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GEOPEKO

A DIVISION OF PEKO-WALLSEND OPERATIONS LIMITED

EXPLORATION LICENCE 27/76

ELLIOTT BAY, S.W. TASMANIA

ANNUAL REPORT

1983-84 FIELD SEASON

VOL. 1

W. HERRMANN  
J. SUMPTON  
MAY, 1984

**OPEN FILE**

AMG REFERENCE POINTS ADDED

002

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1. INTRODUCTION

1.1. SCOPE

This report presents results of mineral exploration in E.L. 27/76 during the 1983-84 summer.

The field work on which these results are based was carried out during the period 6-12-83 to 16-3-84.

1.2. TENURE

E.L. 27/76 of 329sq km situated in the Elliott Bay area of South Western Tasmania was granted to Geopeko on 17-1-77. Field work by Geopeko was commenced during March 1977.

Under the new conditions governing exploration licences (introduced on 1-7-82) E.L. 27/76 must be reduced to no greater than 125sq km by 17-1-85 and will expire on 17-1-88.

Geopeko retains 100% equity in the licence but at this date is actively seeking a joint venture partner to take over management of the exploration project and earn upto 50% equity.

1.3. EXPLORATION TARGET

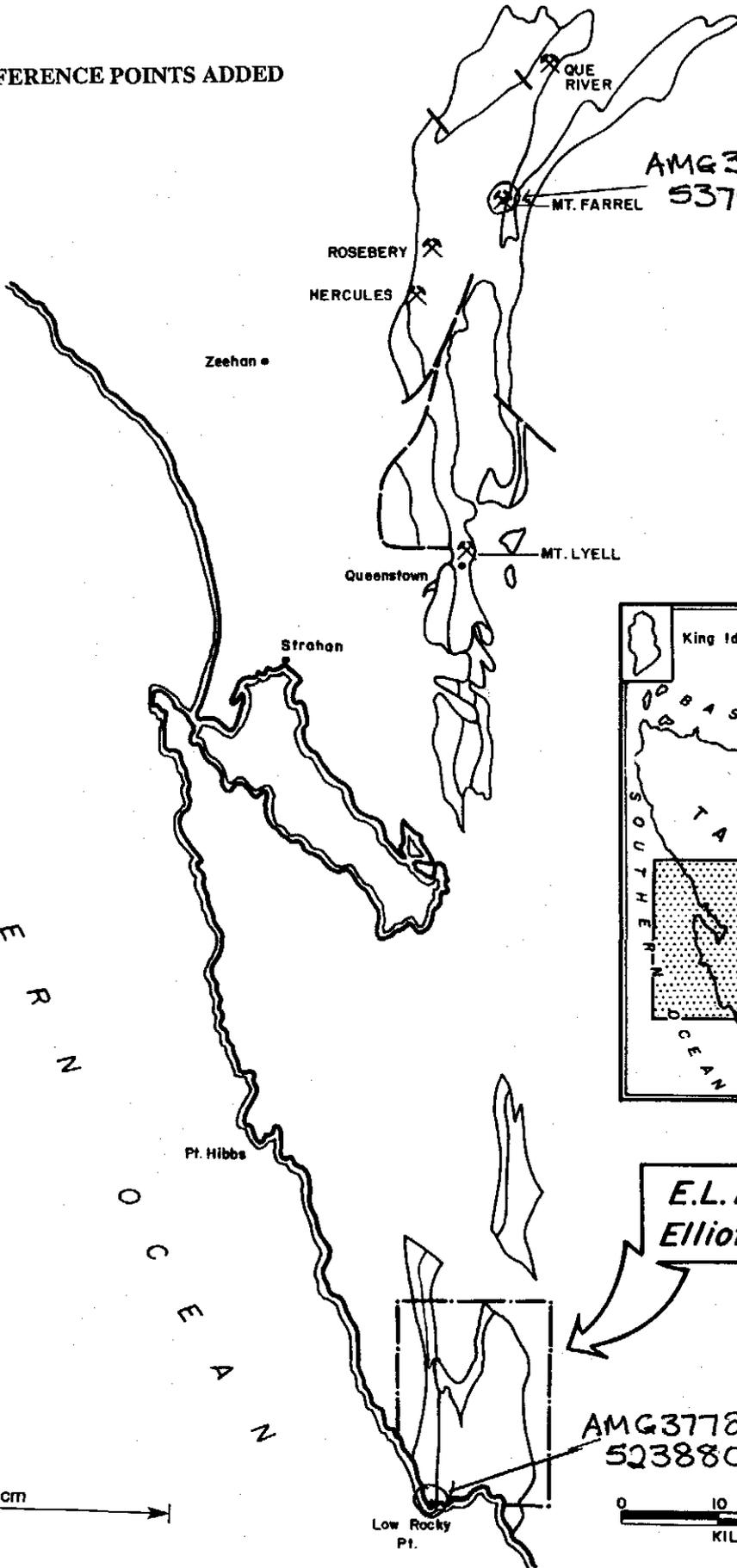
Exploration in E.L. 27/76 has been (traditionally) primarily directed towards discovery of massive sulphide deposits of the Rosebery type, containing a minimum of 10 million tonnes with grades around 20% combined zinc and lead and with significant silver and gold.

Secondary potential exists for discovery of a disseminated "fumarolic" gold resource in the range 5-10 million tonnes carrying 5-15g/t Au.

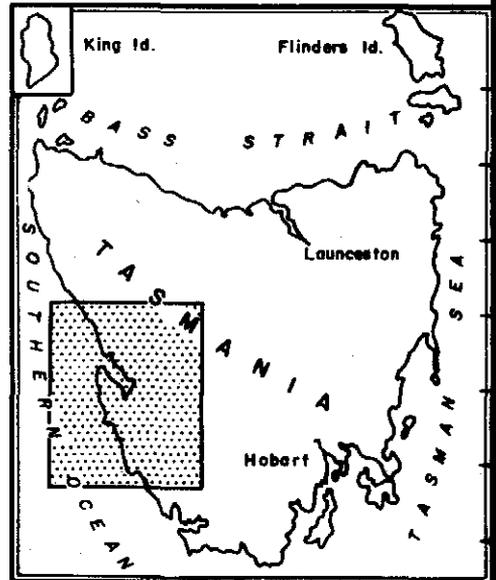
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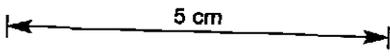


AMG 385980E,  
5379480N



E.L. 27/76  
Elliott Bay

AMG 377800E,  
5238800N



**LEGEND:**

|  |                           |
|--|---------------------------|
|  | <b>MT. READ VOLCANICS</b> |
|  | Tyndal Group & Correlates |
|  | Central Belt              |
|  | Western Sequence          |



DATE: 11/5/82  
 GEOL: R.R.L  
 DWN: R.J.Tog

GEOPEKO  
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Figure 1

# E.L.27/76 ELLIOTT BAY LOCALITY MAP

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## 1.4 1983-84 SUMMER EXPLORATION PROGRAMME

The previous (1982-83) season's work, based on an extensive Induced Polarization Survey over much of the favourable (upper) part of the "Wart Hill Pyroclastics", culminated in recommendations for drill testing of the four or five best targets (having massive sulphide potential) and extension of regional prospecting over possible continuation of favourable rock units northwards along the western boundary of the Mt Osmund syncline.

(c.f. Herrmann, November 1983)

Due to budgetary limitations Geopeko was unable to implement the full recommendations and instead decided to execute a smaller programme aimed primarily at testing of known gold potential.

Accordingly, the following work was completed:

1. Extension of hand auger ("B"-Horizon) geochemical sampling and gold analysis in the Voyager 24 area.
2. Analysis for gold (of previously collected -80 fractions) of C-Horizon soils from the area of anomalous gold drainage geochemistry north of Voyager 24.
3. Drilling of 3 diamond drill holes (total 638m) to test the strongest gold anomalies at Voyager 24.
4. Drilling of 2 diamond drill holes (total 201.8m) to test exposed Pb-Zn-Ag-Au mineralization at Voyager 33.
5. Induced Polarization re-survey and infill of strong chargeability anomaly on Voyager 29 West 11400N.

6. Small dipole Induced Polarization survey (10m and 20m dipole spacing) over known, exposed massive sulphide lenses at Voyager 19.
7. UTEM III Survey to provide deep penetration/high resolution electromagnetic coverage over Voyagers 9, 19, 29 and 29West. (4 transmitter loops for approximately 40 line km of survey.)

#### 1.5. PERSONNEL AND LOGISTICS

The exploration programme was carried out in the following (approximate) sequence:

| Date                    | Personnel  | Task   |
|-------------------------|--|--|
| 5th-10th/12/83          | Geologist J. Pemberton<br>+ 3 Geol. Assistants                       | Extension of V24 Au soil geochem sampling                                |
| 15-18/12/83             | 2 Geol Assist (Geopeko)<br>1 Field Officer "<br>1 Driller (Overland) | Mobilization of drilling machinery and supplies D'Port-Strathgordon-V24  |
| 4/1/84                  | Geologist (W. Herrmann)<br>(Relieving Geol C.Kendall, 2 weeks)       | Core logging/supervision   |
| to                      | 1 or 2 Geol Assist   | Geochem sampling V24<br>Drill site clearing (V33)                        |
| 15/2/84                 | 3 man Geophys Party<br>(1 week only)                                 | V29West, V19 IP  |
|                         | 4 Drillers (Overland)<br>(2 shifts per day)                          | Diamond Drilling<br>V24, V33   |
| 24-26/2/84              | 4 Drillers (Overland)<br>1 Field Officer<br>1 Geol. Assistant        | Demobilization of drilling machinery, V33 to Strathgordon via helicopter |
| 24/2/84<br>to<br>3/3/84 | 2 Track cutting<br>contractors                                       | Cutting access for Utem II transmitter loops                             |

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| Date    | Personnel                           | Task            |
|---------|-------------------------------------|-----------------|
| 28/2/84 | 1 Field Officer                     |                 |
| to      | 1 Geological Assistant              |                 |
| 16/3/84 | 2 Geophys Observers<br>(Lamontagne) | UTEM II] Survey |
|         | 1 Cook                              |                 |

Personnel were accomadated at the previously established semi permanent, Wart Hill Base Camp (3km SSW of Wart Hill) for most of the field season.

Drill operators were temporarily housed at the Pleasant Creek "tent" camp (1km NW of Wart Hill) during drilling of the nearby Voyager 33 prospect.

Drilling machinery, heavy supplies and fuel in 200l drums were transported into the area by helicopter (Squirrel) via Strathgordon, (approximately 40 minutes for round trip).

Personnel and light stores transported to Wart Hill by helicopter ex Queenstown or by twin engined Islander ex Devonport to Moore's Valley, with helicopter shuttle between Moore's Valley and Camp.

Movement of drill rig etc. was accomplished by Carrier Bombardier over short moves between drill sites at V24 and by helicopter between V24 and V33 prospects. Replenishment of supplies was carried out on a once weekly basis by helicopter ex Queenstown or Islander/helicopter shuttle.

Daily to and fro access between camps and drill sites/ work areas for all personnel was on foot.

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Use of Bombardier Carrier was restricted to movement of heavy equipment (such as IP generator and transmitter) to minimize erosion and spread of Phytopthera Cinnamoni. The Bombardier was shipped from Strahan, across Macquarie Harbour to Birch Inlet and then driven overland via the Low Rocky Point track to the Wart Hill/Camp area. (One Bombardier only, one trip in at start of season, one return trip at end of season.)

Diamond drilling was contracted to Overland Drilling Company and was executed with a MINDRILL F30 rig operated at 2 shifts per day, six days per week.

UTEM II survey was contracted to Lamontagne Geophysics Aust. P/L with instrumentation and observers supplied by Lamontagne and supported by two Geopeko geological assistants to streamline placement and retrieval of transmitter loops.

Geophysical surveys were carried out under the direction of (and were interpreted by) John Sumpton who also kindly wrote the notes for the geophysical sections of this report.

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SUMMARY

Results from an additional three diamond drill holes at the Voyager 24 gold prospect confirm that low grade mineralization of around 0.15 to 0.2g/tAu (average) occurs over significant intersected widths (upto 50m) predominantly within a distinctive rhyolitic lithic crystal tuff unit over a strike length of at least 500 metres.

However, gold values of individual metre sections, within these zones, only occasionally exceed 0.5g/t and in these instances can usually be attributed to presence of small sphalerite-galena veins which sometimes contain visible gold. This relatively coarse gold is undoubtedly the source of the prominent drainage sediment anomalies in the adjacent creeks but the in situ distribution is too erratic to constitute an attractive exploration target.

The style and distribution of gold in the broad, apparently stratabound, low grade zones of mineralization is, however, not well known. On the present indications, the grades are one to two orders of magnitude below anticipated profitable bulk mining grades. Further work (on available drill core) is recommended as an attempt to ascertain the genesis of gold mineralization and assess the likelihood for presence of economically significant bodies within the broad low grade zone.

It should be borne in mind that drill testing to date has been confined to the Voyager 24 area, which represents the best (stream and soil) geochemical focus, but that the host lithology (and stream gold anomalies) extend for at least 3km along strike to the north and for an unknown distance to the south.

Drilling of two diamond drill holes at the Voyager 33 prospect indicates that the exposed Pb-Zn-Ag-Au-As mineralization is essentially vein style, confined to a narrow, silicified fault breccia zone marking the contact between fine argillaceous siltstones and coarser epiclastic sediments within the "Western Sequence". The consistent low grades and narrow widths of mineralization suggest very low economic potential - a conclusion which also reflects upon similar mineralization occurring at Voyager 31. No further work is recommended.

A UTEM III Survey over the Voyager 9, 19, 29 and 29 West prospects (considered the most favourable areas of the "Wart Hill Pyroclastics" for massive sulphide mineralization) has failed to detect any significant conducting bodies within approximately 200m of the surface.

Small dipole IP test surveys over the known (exposed) sulphide lenses at Voyager 19 have shown that the IP/Resistivity technique would effectively detect bodies of the "target" mineralization of moderately shallow depth (~ 100m) and have vindicated its use on a widespread systematic basis in the 1983 survey.

A (regrettable) conclusion to be drawn from the geophysical evidence is that there are no sizeable (10 million tonne) massive sulphide bodies within approximately 200m of surface in the areas covered by UTEM III survey and within approximately 100m of the surface in the greater area covered by the 1983 dipole survey.

Future exploration for this style of mineral deposit at Elliott Bay, must therefore be directed to areas so far less intensively explored; notably the possible north western extensions of the "Wart Hill Pyroclastics" beyond Voyager 33 and possibly the country east of the Mt Osmund syncline.

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3. EVALUATION OF GOLD POTENTIAL

The principal objective of the 1983-84 programme was to evaluate the potential for large tonnage stratabound gold mineralization related to the extensive gold drainage anomaly trending northerly for some six kilometres from Voyager 30 through Voyagers 24, and 29West to Voyager 19. (Wilson, et al; October 1981)

Exploration during the three summer seasons previous to 1983-84 had established that the gold drainage anomaly was broadly stratabound, associated with rhyolitic lithic pyroclastics stratigraphically bounded by the mapped "Marker sandstone" (lower) and "Camp Shale" (upper) horizons.

Geochemical indications from drainage sediments, B-Horizon soils and C-Horizon soils suggested that the strongest and most consistent gold anomalies were in the Voyager 24 area. This geochemical focus had been partly tested by a single diamond drill hole (V24-1 of 281.3m, completed 1981-82 season) (ref: Wilson et al, 1982) which intersected an anomalous zone of 80m apparent thickness, with gold values ranging upto 0.392g/t and averaging 0.067g/t. The 1983-84 drilling programme, of three additional diamond drill holes, was designed to test grade and continuity of gold mineralization along strike and down dip of the V24-1 intersection.

This favourable stratigraphic interval had been mapped as far north as Voyager 19 and is reflected in anomalous gold drainage results. In the absence of significant soil geochemical targets in this zone (only 200x25m spaced C-Horizon data is available) it was considered that the strong IP chargeability anomaly,

defined by the 1982-83 IP survey, on Voyager 29W at 11400N/9400E, represented the most favourable drill target outside Voyager 24. Drilling was to be based on verification and closer definition of the chargeable source.

A secondary objective was assessment of the style and grade of gold bearing, apparently vein style, mineralization which had been exposed at Voyager 33.

## 3.1 VOYAGER 24

## 3.1.1. Hand Auger Soil Geochemistry

Wilson, et al (1981) found that hand auger sampling of "mixed humus/B Horizon" soils provided contourable data reflecting the distribution of gold.

Accordingly, the 1981 geochemical data was "infilled" to provide a sample spacing pattern of 50x12.5 metres and the sampling extended to the north-east in order to assist in diamond drill targetting. (Seasonal, principally climatic, constraints on exploration in South West Tasmania preclude the delays involved in siting of drill holes based on results of immediately preceding holes, especially where the mineralization (i.e: low grade gold) is megascopically invisible.)

Soil samples of unconsolidated material, usually peaty gravels lying immediately above weathered bedrock generally at depths around 0.5-1.0m from the surface, were collected by hand auger from an additional 497 locations as shown on Plan No: 2.

Samples were submitted to Australian Laboratory Services for analysis of Cu, Pb, Zn, Ag, Fe, As and Au. Sample preparation involved drying, roasting to remove organic humic matter and screening to -80mesh. Analyses were of the -80mesh fractions by the following methods:

|                     |  |
|---------------------|--|
| Cu, Pb, Zn, Fe, Ag: | G001 (AAS)                             |
| As                  | G004 (AAS)                             |
| Au                  | PM205 (AAS/Carbon Rod)<br>(50g sample) |

Analytical results are tabulated in Appendix III. Gold results are portrayed on the updated contour Plan No: 3.

The two sets of data for line 9350N illustrate the relationship between unroasted and roasted analytical samples. The latter appear to show a slight enhancement as well as "smoothing" of the principal anomalies.

\*\* N.B. Samples for the 1981 survey were not roasted before analysis.

The results show a series of somewhat disconnected anomalies in a north-east trending zone overlying the rhyolitic lithic crystal tuff unit which forms a modest ridge at Voyager 24. The strong but small anomalies on line 9900N and the western end of 9650N are undoubtedly related to alluvial contamination from anomalous creeks.

Although the two principal soil geochemical anomalies have now been (more or less) tested by diamond drilling, insufficient "background" drilling information is available to confirm that the "B" horizon gold results provide an accurate reflection of distribution and grade of primary mineralization in the underlying rocks.

### 3.1.2. C-Horizon (Jacro) Soil Geochemistry

As noted by Herrmann, 1983 (p.54) analysis of C-Horizon soil samples from the Voyager 24 area seemed to provide "realistic" indications of gold values in the underlying primary rock zone and it was suggested that the technique could be applied on a systematic close spaced sampling grid to assist in drill target definition.

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Insufficient time was available for execution of such a sampling programme.

However, the stored samples (-80 fraction splits) from previous (1980-1982) C-Horizon sampling over the (north-north-east) stratigraphic extensions of the Voyager 24 target horizon, were available.

These samples (total of 231) were resubmitted to A.L.S. for analysis for gold by method PM 204 (Carbon Rod/AAS of 20g sample). A list of sample numbers and the grid lines from which samples were taken is given in Table 1. Specific sample locations can be determined by reference to the V19 and V29West soil sample location Plans, Nos 11 and 9 at 1:2500 .

Gold values are listed in Appendix IV and portrayed in bar graph/plan format on Plans Nos 8 and 10.

Weak gold anomalies, maximum of 55ppbAu, occur over rhyolitic lithic tuff lithologies stratigraphically above (west of) the Marker Sandstone horizon between lines 11600N and 12200N.

(Refer to Wilson et al, 1981 and Wilson et al, 1982 for 1:2500 Geological Plans of Voyager 19 (Plan No 34, 1981) and Voyager 29 West (Plan No 51 1982).

Although the data is somewhat skeletal (over Voyager 29West sample spacing is 200x25m) it is evident that, in the northern strike extensions thus examined, there are no gold anomalies approaching the calibre of those in the Voyager 24 area.

TABLE 1

C-Horizon samples over the northerly strike extensions of the V24 target "horizon". Re-analysis for gold by method PM 204 (see Appendix IV for analyses).

## Voyager 29 West (1981-82 sampling)

|                     |                  |      |
|---------------------|------------------|------|
| 10000N/9400 - 9725E | TS 15375 - 15389 | (15) |
| 10200N/9450 - 9800E | TS 15312 - 15327 | (16) |
| 10400N/9500 - 9850E | TS 14962 - 14967 | (6)  |
| " "                 | TS 15344 - 15353 | (10) |
| 10600N/9500 - 9750E | TS 14269 - 14272 | (4)  |
| " "                 | TS 15354 - 15363 | (10) |
| 10800N/9500 - 9850E | TS 14304 - 14313 | (10) |
| " "                 | TS 16588 - 16592 | (5)  |
| " "                 | TS 16237 - 16240 | (4)  |
| 11000N/9500 - 9850E | TS 16578 - 16587 | (10) |
| " "                 | TS 16534 - 16539 | (6)  |
| 11200N/9500 - 9825E | TS 16002 - 16014 | (12) |
| " "                 | TS 14959 - 14961 | (3)  |
| 11400N/9350 - 9900E | TS 14338 - 14341 | (4)  |
| " "                 | TS 14495 - 14499 | (5)  |
| " "                 | TS 14948 - 14958 | (11) |
| " "                 | TS 16514         | (1)  |
| " "                 | TS 16518 - 16521 | (4)  |
| 11600N/9375 - 9900E | TS 14486 - 14490 | (5)  |
| " "                 | TS 14492 - 14494 | (3)  |
| " "                 | TS 14937 - 14947 | (11) |
| " "                 | TS 16505 - 16509 | (5)  |

## Voyager 19 (1980-81 sampling)

|                     |                |      |
|---------------------|----------------|------|
| 11800N/9500 - 9900E | TS 9097 - 9100 | (4)  |
| " "                 | TS 9102 - 9110 | (9)  |
| " "                 | TS 9112 - 9115 | (4)  |
| 11900N/9500 - 9900E | TS 9149 - 9150 | (2)  |
| " "                 | TS 9152 - 9160 | (9)  |
| " "                 | TS 9162 - 9167 | (6)  |
| 12000N/9500 - 9800E | TS 8695 - 8708 | (14) |
| " "                 | TS 8685 - 8690 | (6)  |
| " "                 | TS 8692 - 8694 | (3)  |
| 12200N/9500 - 9800E | TS 8606 - 8619 | (14) |

TOTAL231

G 021

The available drainage geochemical data also suggests that the richest concentrations of gold occur in the vicinity of Voyager 24 and consequently, on the basis of the combined geochemical evidence, further testing has been restricted to that area.

Pathfinder Elements:

A group of 16 C-Horizon soil samples from V24, 9400N/9800E to 9200E, were reanalysed for Bi, As, Hg, Mo, Sb and Ba to determine if any of these elements could be useful in defining gold targets.

The analyses, and respective analytical methods, are listed in Appendix V.

Eyeballing of the data suggests there is no significant correlation between Gold and Bismuth, Molybdenum, Antimony or Barium. Arsenic was (inadvertently) analysed by the unsuitable method G.003 and the results (mostly below the 20ppm limit of detection) are of dubious value.

There does appear to be a fairly strong positive correlation between Gold and Mercury but the Mercury data seems to be rather less sensitive and (at least at the 25m sample spacing employed) does not provide anomaly definition superior to the Gold data.

Comparison of Au, As, Hg geochemical data for the Voyager 30 grid and Voyager 24 line 9700N, by R.J. Perring (see: Wilson et al, 1982) indicated that no significant correlations existed between those elements.

### 3.1.3. Diamond Drilling Results

Diamond drilling was carried out under contract by Overland Drilling Company using a Mindrill F30 rig, operating two shifts per day, six days per week. Core recovery at V24 was excellent throughout and production averaged about 30 metres per day, including moves.

Drill core was transported to the Geopeko Base at Devonport and diamond sawn to half core. Half core samples, usually representing one metre intervals, were despatched to A.L.S., Brisbane for analysis for Cu, Pb, Zn, Fe, Ag, As and Au.

Geological core logs with lists of sample numbers and Analytical Reports are presented as Appendices I and II.

Gold values are portrayed in bar graph format on the geological cross sections at 1:500 scale.

#### V24-2

|                     |  |
|---------------------|--|
| Collar Co-ords:     | 8876.5E/9462N  |
| Collar Azimuth:     | 122°M/135°Grid   |
| Collar Inclination: | -45°   |
| Final Depth:        | 251.4 metres   |
| Target:             | Sited to intersect rhyolitic lithic crystal tuff unit (which contained anomalous gold in V24-1) approximately 100m down dip of V24-1.  |
| Summary Results:    | Intersected, in the upper part of the hole, a steeply dipping sequence of rhyolitic crystal tuffs with thick (epiclastic) tuffaceous conglomerate-sandstone-siltstone beds. At 52.5m depth, passed into a distinctive rhyolitic lithic crystal tuff unit similar to the lithology cored in V24-1 and termed "Sericitic Lithic Xtal |

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Tuff" and "sericitic agglomerate". Essentially a medium grained quartz (subordinate feldspar) crystal tuff with variable (upto 5%) proportions of usually well rounded siliceous (and possibly silicified) quartz-feldspar porphyritic rhyolite fragments, usually containing fine disseminated pyrite to about 0.5%. This rock type persists to end of hole at 251.4m.

Anomalous gold ( $> 50$ ppb) occurred in three zones (see Au bar graph, Plan No 5 ).

| Depth (m) | Range (Aug/t) | Intersection(m) | Mean (g/t) |
|-----------|---------------|-----------------|------------|
| 27 - 33   | 0.05 - 0.12   | 6               | 0.090      |
| 77 - 90   | 0.005- 0.14   | 13              | 0.045      |
| 172 - 225 | 0.010- 2.70   | 53              | 0.145      |

There are three one metre sections which contain greater than 0.5g/tAu.

They are:

202-206m, 2.7g/tAu (Repeat Analyses:  
1.9, 3.5g/tAu)

208-209m, 0.6g/tAu

216-271m, 0.95g/tAu

Traces of visible gold occur in association with sphalerite (apparently in a small veinlet) at 202.5m and in association with galena-chalcopyrite in a 1cm wide carbonate-quartz vein at 216.3m.

(5-40mm sized) lithic fragments of creamy mottled dove grey coloured quartz feldspar phyric rhyolitic. Fragment abundance is quite variable ranging upto about 5%. This rock type persists, with some variation in fragment abundance but little compositional change to end of hole at 167.1m.

Many of the fragments are grey siliceous (or silicified?) porphyritic rhyolite and these generally contain upto 1% very fine disseminated pyrite. Minor disseminated pyrite upto 0.5-0.8% is ubiquitous in the crystal tuff matrix. Minor traces of disseminated galena-sphalerite are widespread, but never abundant, in the matrix; they are not usually associated with siliceous rhyolitic fragments.

As in V24-2, base metal values are low, rarely exceeding 1000ppm.

Erratic anomalous gold (>50ppb) occurs from 40m depth to end of hole. (Absence of gold from upper 40m is not thought to be due to oxidation/leaching; fresh pyrite is visible in the core at 3m depth.)

Gold values below 40m range from less than 0.003g/t to 27g/t but only thirteen one metre intervals contain >0.2g/tAu, and six one metre intervals >0.5g/tAu.

025

Arsenic and silver values are generally low (As usually < 50ppm, Ag upto 1g/t) and without significant correlation with gold.

There appears to be a weak correlation between gold and the base metals although the latter rarely exceed 150ppm for copper and 1000ppm for lead and zinc.

Extrapolation of the principal anomalous gold intersections in V24-1 and V24-2 indicates a near vertically dipping zone of some 45 metres apparent width. Given the steep ( $\sim 85^\circ$  NW) dips of the enclosing pyroclastics and sediments the zone of anomalous gold is not inconsistent with a stratabound style of mineralization.

### V24-3

Collar Co-ords: 8870E/9330N  
 Collar Azimuth:  $122^\circ$ M ( $135^\circ$ Grid)  
 Collar Inclination:  $-45^\circ$   
 Final Depth: 167.1 metres  
 Target: Designed to test upper part of rhyolitic lithic crystal tuff unit (which contained anomalous gold in V24-1) approximately 100m along strike to the south west of V24-1.

Summary Result: The hole was collared in rhyolitic lithic crystal tuff, of similar composition and fabric to that intersected below 52.5m in V24-2. The rock is essentially a pale creamy grey coloured, medium grained, sericitic, quartz (feldspar) crystal tuff containing scattered, subrounded

026

| Depth (m)   | Range (g/tAu) | Intersection(m) | Mean(g/t) |
|-------------|---------------|-----------------|-----------|
| 40 - 125    | 0.003 - 0.30  | 85              | 0.052     |
| 125 - 128   | 5.3 - 27.0    | 3               | 17.5      |
| 128 - 167.1 | 0.020 - 0.68  | 39.1            | 0.145     |

The high gold grades in the interval 125-128m are undoubtedly attributable to the presence of a vughy galena-sphalerite-quartz-pyrite vein, upto 4cm thick, running semi parallel to core. (i.e. coring along the vein) Converse to V24-2, a correlation between gold and base metals is not widely evident (except in the interval 125-128m) but a weak correlation between gold and arsenic may exist. (It is interesting to note the occasional coarse slugs of Arsenopyrite in the interval 128-130m, immediately below the gold rich intersection. Since the gold bearing vein runs along the core, the arsenopyrite appears to occur in a zonal enveloping relationship to the Au-Pb-Zn vein).

Quartz-carbonate veins occur in several zones and range in intensity from 5-20 per metre core.

The veins are usually barren, sometimes contain traces of pyrite and arsenopyrite but overall show no particular correlation with higher gold values.

V24-4

Collar Co-ords: 9150E/9765N  
Collar Azimuth: 122°M, (135°Grid)  
Collar Inclination: -45°  
Final Depth: 220 metres  
Target: Designed to test upper part of rhyolitic lithic crystal tuff unit approximately 400m along strike to north east from V24-1. Though semi stratigraphic in this respect, the hole was well situated to provide a test of B and C Horizon gold anomalies on lines 9600N to 9750N.

## Summary Result:

From 3 - 11.4m the hole intersected laminated tuffaceous sandstone and siltstone considered equivalent to the epiclastic sediments of the upper part of V24-2.

Between 11.4 - 155m the hole cored the target rhyolitic lithic crystal tuff unit. As in V24-2 and V24-3 there is considerable variation in fragment abundance (< 1% to 10% volume) but little chemical compositional variation. The lower 50m of this unit has a crudely stratified and sorted granular fabric suggestive of sub-aqueous deposition. Below 155m the core contains variable, interbedded acid tuffaceous/epiclastic sediments ranging from coarse pebbly agglomerates, through sandstones to finely laminated black siltstone. These are possibly lateral equivalents of the "Marker Sandstone" - a cross bedded micaceous sandstone which can be traced from the northern part of V24 northwards to Wart Hill.

028

The principal gold mineralization occurs in the stratified (lower) portion of the rhyolitic lithic crystal tuff unit, with a short lower grade interval in the underlying epiclastic sequence.

| Depth (m) | Range (g/tAu) | Intersection(m) | Mean(g/t) |
|-----------|---------------|-----------------|-----------|
| 110 - 148 | 0.035 - 3.5   | 38              | 0.190     |
| 167 - 180 | 0.005 - 0.150 | 13              | 0.055     |

Only a single metre interval exceeds 0.5g/tAu; the 3.5g/tAu in the interval 111 - 112m probably is related to a 1mm wide veinlet of sphalerite and minor galena. (No gold is visible.)

Quartz, quartz carbonate and quartz-feldspar veins are generally rare except in the interval 75-106m where they attain intensity of upto 20 veins/metre core. The veins occasionally contain traces of galena, sphalerite and pyrite but do not correlate with zones of anomalous gold.

## 3.1.4. V24 - Discussion

The results of the four diamond drill holes at Voyager 24 to date, may be summarized as follows:

1. Anomalous gold, with arithmetic mean grade in the range 0.05 - 0.20g/tAu, occurs over significant intersected widths (upto 130m in V24-3) in each of the four drill holes.
2. Within the broad anomalous zones, gold values (on a metre by metre basis) tend to be quite variable, if not erratic, in the range  $< 0.01\text{g/t}$  to 3.5g/tAu. The presence of relatively coarse visible gold in some sections suggests that grades are likely to be even more variable on a centimetre by centimetre scale.
3. Gold grades greater than 0.5g/t are relatively rare; (of a total of approximately 300m of anomalous core from four holes, only 10 one metre sections have been found to contain  $> 0.5\text{g/tAu}$ ). Sections containing greater than 0.5g/tAu almost invariably have associated sulphide veinlets. These may be fine sulphide filled fractures (usually sphalerite) or larger quartz-carbonate-minor feldspar veins upto several centimetres thick and containing highly variable amounts of galena, sphalerite, pyrite, chalcopyrite and (rarely) arsenopyrite.
4. Given the above relationship between high gold values and sulphide vein mineralization there appears to be some correlation between gold and base metal values. However, this is not invariably the case and the base metals only rarely exceed 150ppm for copper and 1000ppm for lead and zinc. Silver and arsenic are also generally low (1g/t and  $< 50\text{ppm}$  respectively) and there is no consistent relationship between gold and these metals.

030

5. The zones of gold mineralization are broadly stratabound within a distinctive, probably subaerially deposited, rhyolitic lithic crystal tuff unit. This rock unit is approximately 220m thick (on section of V24-1 and V24-2) but thins out considerably along strike to the north-east. On section V24-4, (400m north east of V24-1) the lithic crystal tuff unit is approximately 120m thick. It is sandwiched between bedded, west facing and presumably subaqueously deposited, rhyolitic epiclastic sediments varying from conglomerate and sandstone to fine shaly siltstone. These units also appear to show considerable thickness variation along strike. The lower sedimentary sequence, possibly the stratigraphic equivalent of the "Marker Sandstone", is only 10m thick in V24-1 (Wilson et al, 1982) but has increased to 40m in V24-4.
6. In the southern drill holes V24-1, V24-2, V24-3, the zones of anomalous gold appear to lie approximately in the middle of the thick rhyolitic lithic crystal tuff unit; to the north east, in V24-4, the principal gold anomalies lie close to the base of that (considerably thinned) formation.
7. Minor gold anomalies, maximum of 0.15g/tAu, occur in the upper epiclastic sequence in V24-2 and in the lower epiclastic sequence in V24-4. (The latter occurrence may be related to the presence of a few quartz carbonate veins).

Some possible Interpretations based on these findings are:

- a) Gold of stratabound/syngenetic origin occurs at anomalous but low levels (say 0.05g/t) at particular stratigraphic/time interval (s) within the rhyolitic lithic crystal tuff unit. If so, such mineralized intervals are not characterized by any megascopically recognizable, chemical or textural speciality. Higher gold grades may have evolved by remobilization of background gold into low temperature tension veinlets during some post depositional, post deformational stage of the rock's history.
- b) A related alternative to interpretation (a) is that stratabound/syngenetic gold mineralization occurs in specific stratigraphic/time intervals(s) and that the higher grade veins encountered represent contemporaneous feeders or peripheral vein systems. However, the general appearance of sulphide and quartz carbonate veins suggests that they are of post deformational origin; the coarse vughy nature of the high grade galena-sphalerite vein in V24-3, 125-128m, which cross cuts both cleavage and smaller quartz-carbonate veins, is a good example of this and tends to conflict with interpretation (b).

c) Gold occurs only in late stage (post depositional, post volcanic and probably post deformational) low temperature veins.

The apparent stratabound nature of mineralization may relate purely to some structural controlling factors such as:

- Relative brittleness of the rhyolitic lithic crystal tuff unit and susceptibility to provide open tension fractures.
- Tensional fracturing complementary to strike slip fault movement?
- Unique structural location as in the intersection of faults or hinge zone of some late generation fold.

The mineralization model most likely to yield a large tonnage gold resource would seem to be (b) respectively followed by (a) and (c).

However, on the currently available evidence the Voyager 24 gold mineralization appears fairly likely to be of type (c).

Sufficient drill core is now available to allow detailed and systematic micro petrographic and micro analytical studies which would elucidate the genetic history of gold mineralization, thereby assist decisions on how far to pursue the model and, possibly, point the way to future exploration.

The current data set has been considerably under interpreted due to want of sufficient time. Possibly a great deal could be learnt from a study of correlations between the metals so far analysed, analysis of shorter core intervals down to micro scale, and the petrography of vein and alteration mineral assemblages.

033

### 3.2 VOYAGER 29 WEST

Previous geological mapping (Wilson et al, 1981, 1982) had indicated that the host lithology of apparently stratabound gold mineralization at Voyager 24 extended along strike to the NNE through the Voyager 29 West area to the southern part of Voyager 19.

The presence of gold drainage anomalies supported this interpretation but the available C-Horizon soil geochemical data (see Section 3.1.2) showed only fairly weak gold anomalies.

In the absence of an obvious geochemical focus it was considered that the strong IP chargeability anomaly on line 11400N/9400E constituted an interesting drill target which could also provide information on possible gold mineralization in the favourable stratigraphic zone.

#### 3.2.1. Voyager 29 West - Induced Polarization Survey

The 1983 regional IP/Resistivity Survey (Herrmann, 1983) had indicated a strong chargeability anomaly at depth below 11400N/9400E. The anomaly had no associated resistivity response, and though apparently intense, included a number of negative chargeability values which were suspected indications of spurious data.

Accordingly, the western end of line 11400N was resurveyed by IP in an attempt to verify the anomaly, lines 11300, and 11500N were also read to assist in drill target definition.

034

The instrumentation used in the re-survey incorporated a 2.5KW Hunttec transmitter and Scintrex IPR-8 receiver. (The original (1983) data was acquired with a Scintrex IPR-11 receiver but the different delay times measured by the two instruments would not have a critical effect on the interpretation.)

IP Psuedosection for Apparent Chargeability and Apparent Resistivity for re-survey of line 11400N and for lines 11300N and 11500N are portrayed in Figures 2 to 4.

It is evident that the 11400N/9400E chargeability anomaly was not verified and it is concluded that the original (1983) data was produced by an instrument malfunction, probably caused by ingress of water into cable connections of the receiving electrode array.

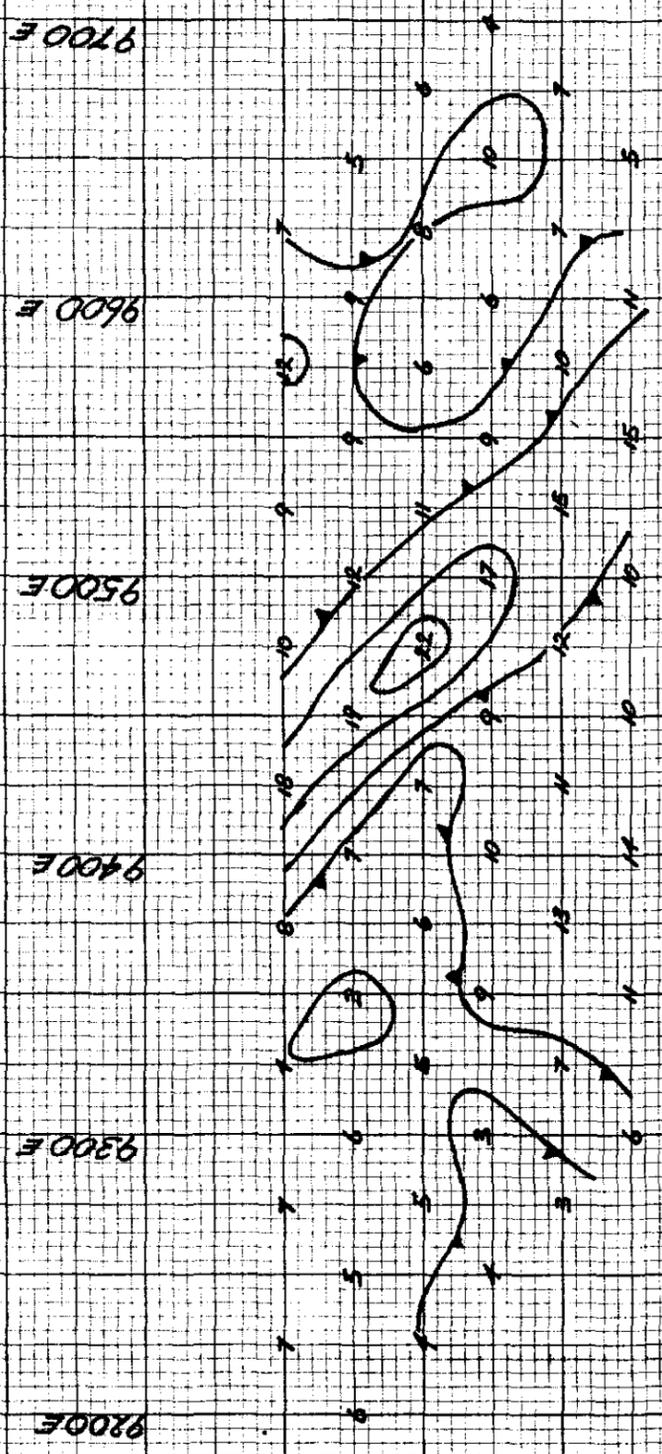
Lines 11300N and 11500N show only weak responses of no outstanding significance.

In consequence of these results, plans for diamond drilling at Voyager 29 West were abandoned.

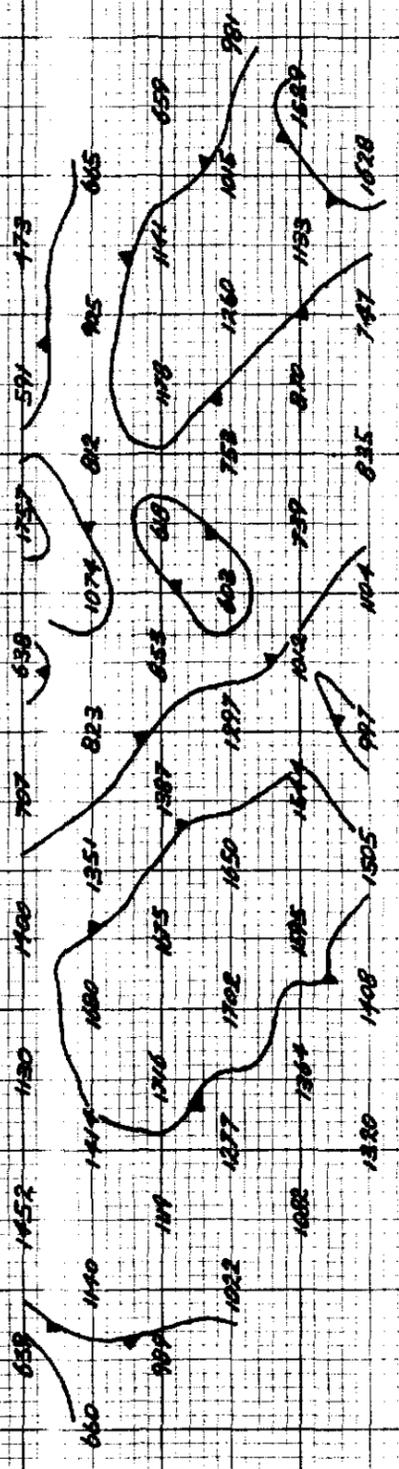
247035

GORMACK GRAPH PAPERS : CHRISTCHURCH N.Z. CO52X 40 cm x 28 cm x 2 mm.

0330



APPARENT CHARGEABILITY (M232)  
 CONTOUR INTERVAL 4mV/V

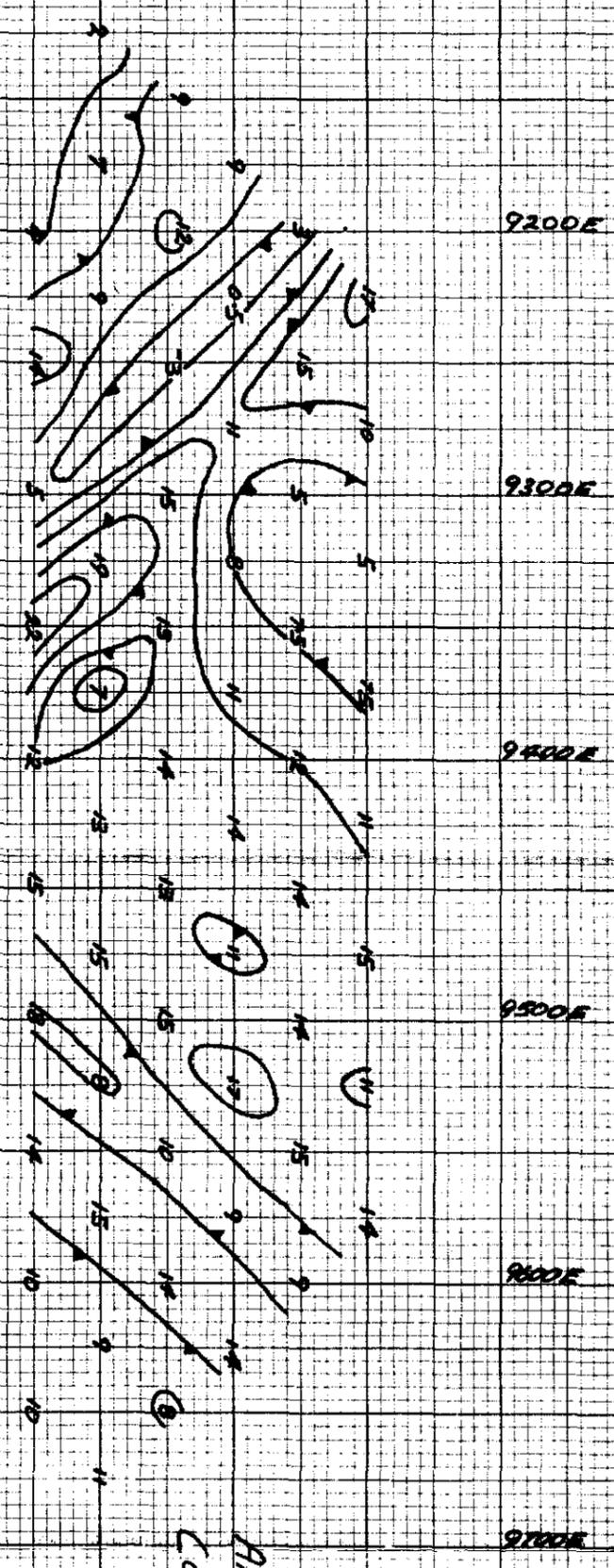


APPARENT RESISTIVITY Ohm-m  
 CONTOUR INTERVAL: LOGARITHMIC

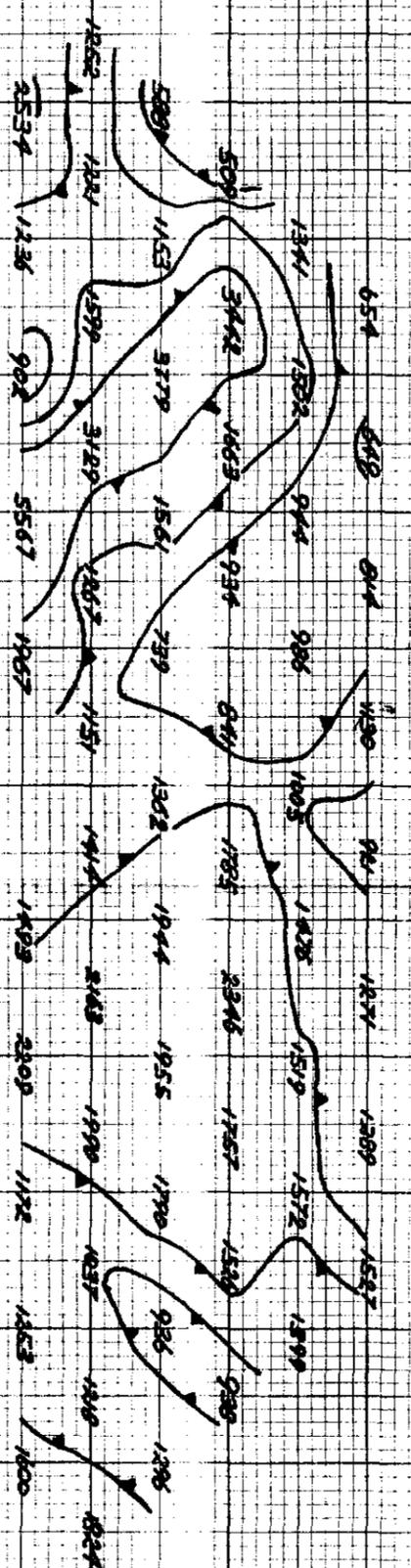
DATE: 7.1.84  
 OBSERVER: TE ML  
 a = 50m  
 INST: 19R8

VOYAGER 29W  
 PSEUDOSECTION OF  
 DIPOLE - DIPOLE  
 I P/RESISTIVITY  
 LINE 4300N  
 FIG 2





APPARENT CHARGEABILITY (MRSZ)  
 CONTOUR INTERVAL 4mV



037

9300E

9400E

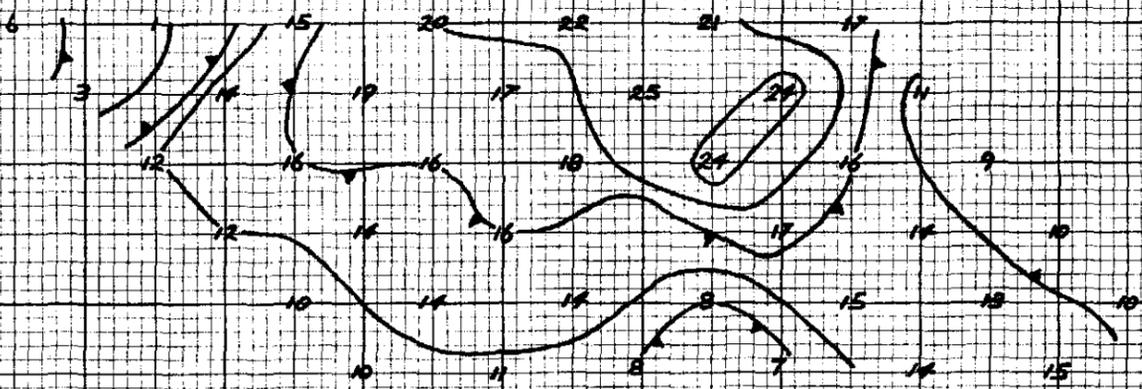
9500E

9600E

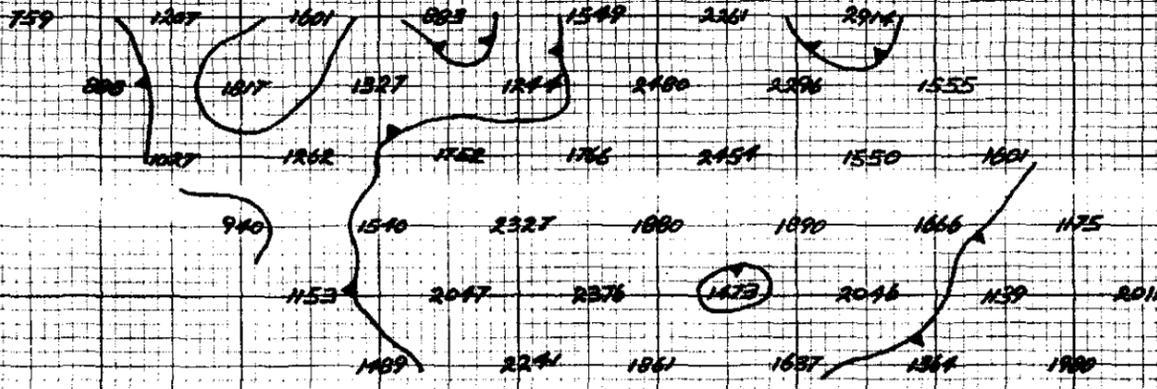
9700E

9800E

9900E



APPARENT CHARGEABILITY (M232)  
 CONTOUR INTERVAL 4mV/V



APPARENT RESISTIVITY Ohm-m  
 CONTOUR INTERVAL : LOGARITHMIC

DATE 7-1-84  
 OBSERVER TC/ML  
 a = 80m  
 INST. 1PR8

VOYAGER 29W  
 PSEUDOSECTION OF  
 DIPOLE - DIPOLE  
 I.P./RESISTIVITY  
 LINE 11500N  
 FIG 4

5 cm

## 3.3. VOYAGER 33

Previous work at Voyager 33 (Wilson et al 1982) culminating in trenching of a strong Pb-Zn-Ag soil geochemical anomaly on line 14100N (Herrmann, 1983, pp.33-35) had led to the exposure of an 8 metre wide zone at surface with average grades of 1.1%Pb, 0.32%Zn, 96g/tAg and 0.35g/tAu.

Although the mineralization, consisting of fine veiny and disseminated galena-pyrite-sphalerite in a silicified breccia, implied a structurally controlled fracture filling style it's close relationship and apparent conformability with a sedimentary lithological contact suggested a stratabound association.

Somewhat similar Pb-Zn-Ag-As mineralization, in a similar stratigraphic situation, had been investigated in Copper Creek (at Voyager 31) upto 2km south of Voyager 33 (Wilson et al, 1982).

If worthwhile grades and widths of mineralization could be confirmed then the extensive possible strike length could indicate potential for a significant gold-silver resource.

Accordingly, plans were laid to drill test the best target at Voyager 33 in order to establish continuity, grade and style of the mineralization.

## 3.3.1. Close Spaced C-Horizon Geochemical and Trench Sampling

The 1983 C-Horizon geochemical plans show strong Pb-Zn-Ag anomalies on 14000N and 14100N with fairly strong Pb (Zn) extension to the south to 13800N but very tenuous continuity to the north. Data on line 14200N indicated a peak of only 200ppm Pb and 490ppm Zn. Since the selected drill target was beneath the exposed mineralization on 14100N there was a slight risk of drilling under or off the end of subsurface mineralization if it plunged to the south.

039

To insure against this possibility, infill C-Horizon sampling was carried out at 5m intervals between 8875 and 8950E on 14150 and 14200N.

Sampling was achieved with the ancient but portable "MATE" power auger. -80 mesh fractions of soils were analysed by A.L.S. (Brisbane) for Cu, Pb, Zn, Fe, Ag, As and Au and the laboratory report is included as Appendix VIII-A.

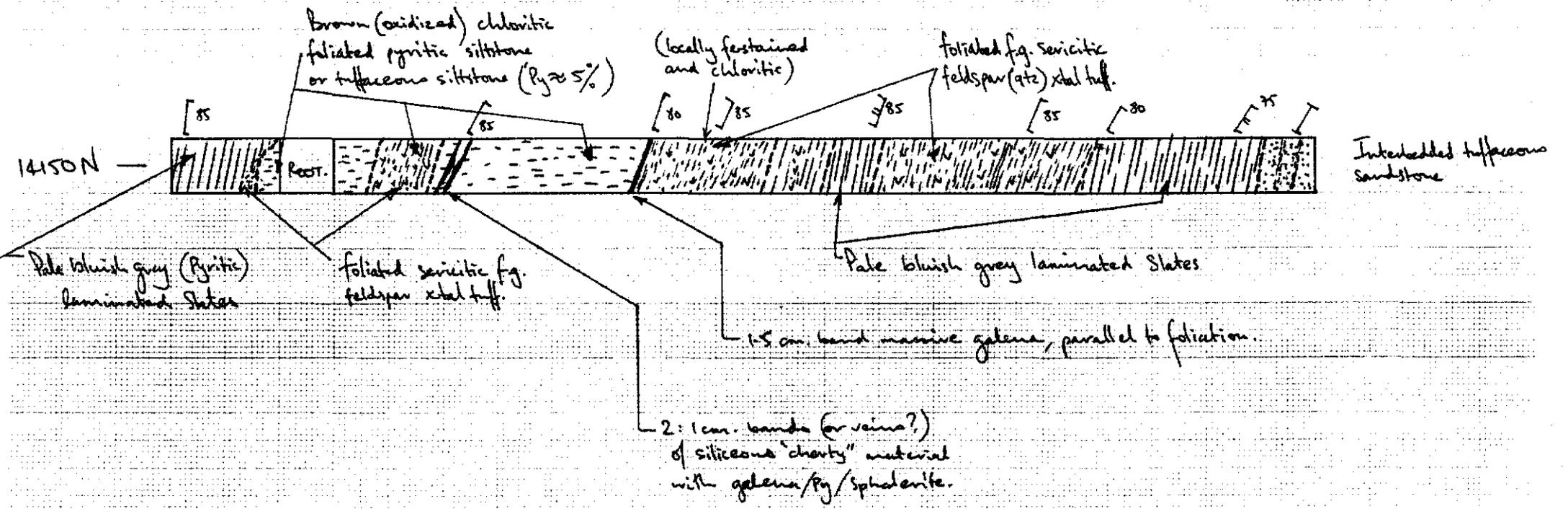
The Sample Locations are entered on the laboratory report (Appendix VIII-A A.L.S. Batch: A075) column adjacent to the TS Sample Numbers on the pages (1 and 3) of the report which list the Cu, Pb, Zn, Ag and Fe results.

It is evident that on 14150N the principal anomalous zone occurs between 8890E and 8900E with the maximum values within this zone (at 8897.5 and 8902.5E) upto 5.4%Pb, 5.2%Zn, 650g/tAg and 0.5g/tAu.

A trench was excavated by hand across this zone (14150N/8894.5 to 8905E) and channel sampling of the rocks in the floor of the trench indicated that the three metre zone 8896-8899E contained an average of 1.1%Pb, 0.7%Zn, 67g/tAg and 0.33g/tAu. (Analytical results and Sample Location listed in Appendix VIII-B. A.L.S. Batch: B 069.)

Visible mineralization was restricted to several narrow (1-1.5cm) bands or veins of galena-sphalerite-pyrite associated with a brownish oxidized pyritic siltstone unit interbedded (?) with fine laminated slates close to the contact with tuffaceous sandstone (see Figure 10 ).

8895 E  
8896 E  
8897 E  
8898 E  
8899 E  
8900 E  
8901 E  
8902 E  
8903 E  
8904 E  
8905 E



ROCK CHIP/CHANNEL SAMPLE NOS. (KR)

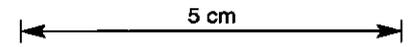
|       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 11907 | 11908 | 11909 | 11910 | 11911 | 11912 | 11913 | 11914 | 11915 | 11916 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|

FIGURE 10

VOYAGER 33, 14150 N TRENCH

GEOLOGY AND SAMPLE LOCATIONS

SCALE 1:50 M.A. 1/6/84.



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041

On 14200N the 5m spaced C-Horizon geochem showed that the anomaly had waned to a single sample interval with 0.13%Pb and 0.25%Zn at 8910E.

Additional close spaced C-Horizon sampling was undertaken on lines 13900N and 13800N to assist in drill targetting if initial testing on lines 14100N proved of sufficient interest to warrant further drilling along strike to south.

Sampling was as follows:

13900N/8850 - 5575E 5m spacing  
13900N/8875 - 8910E 2.5m spacing  
13900N/8910 - 9050E 5m spacing  
  
13800N/8775 - 8850E 5m spacing

-80mesh fractions of these samples were also analysed by A.L.S. (Brisbane) for Cu, Pb, Zn, Fe, Ag, As, Au and the results and corresponding Sample Locations are listed in Appendix VIII-A Batch B124.

On 13900N, weak Pb-Zn anomalies without significant As-Au support occur at 8960-8975E. Much stronger Pb-Zn anomalies (upto 0.58% and 0.84% respectively) with moderate Ag-As-Au support occur in the zone 13900N/8900-8907.5E. This zone appears to coincide with the slate-tuffaceous sandstone contact and siliceous rock chips with minor galena-arsenopyrité were recorded in sample holes at 8902.5 and 8905E.

No responses of greater than 0.1%Pb-Zn were detected on line 13800N. Indeed the 5m spaced infill sampling failed to verify the high lead values (0.25% and 0.1%) indicated for 8800E and 8825E, respectively, by the 1982 sampling.

042

General conclusions drawn from the infill geochemical sampling were:

- i) that line 14100N represented the best target for drill testing.
- ii) that the mineralized zone was narrow and effectively limited in strike length to about 300m.  
(Approx: 13850N to 14150N)

043

### 3.3.2. Diamond Drilling Results

Diamond drilling was carried out by Overland Drilling Company using a Mindrill F30 rig which was lifted onto site, from Voyager 24, by Squirrel Helicopter. Since the site was in 20m tall forest, this necessitated the felling of an area of approximately 50x50m with additional helicopter approach and departure paths.

Core recovery through the mineralized zone was generally poor and in some runs no core was recovered. This necessitated the analysis of sludge samples which were routinely collected from the water return circuit. Core from the mineralized sections was half-sawn and submitted to A.L.S. (Brisbane) for analysis for Cu, Pb, Zn, Fe, Ag, Au and As.

Geological core logs, with lists of sample numbers and analytical results are given in Appendix VI. A list of sludge sample intervals and analytical results for V33-1 is appended to the core log of that hole. All analytical results for the V33 drilling programme are also given in original format as laboratory reports for Batch Nos: B047, B068, C061 in Appendix VII.

The combined information is summarized on the Geological Cross Section, 14100N, at 1:500 scale.

V33-1

Collar Co-ords: 8846 .7E/14100N  
Collar Azimuth: 77°M (Grid East)  
Collar Inclination: -45°  
Final Depth: 85.5m  
Target: To intersect the mineralized zone approximately 50m below that exposed in the surface trench.  
To provide indications of grade, width, style and (especially) dip of mineralized zone.

Summary Result: The upper part of the hole intersected a steep westerly dipping sequence of laminated argillaceous grey-black siltstone/slate with interbedded fine (sericitic) tuffaceous siltstones. From 46.7 to 53.0m the hole cored a silicified breccia zone with minor veiny and disseminated pyrite, galena, sphalerite and arsenopyrite. Beyond 53.0m the hole passed into medium and fine grained lithic sandstone of rhyolitic epiclastic derivation.

Core recovery in the mineralized interval 42.4 - 53.0m was generally poor; in some runs no core was recovered and grade calculations have had to depend analyses of sludge samples collected from the water return. The 7.6m interval 41.2m - 48.8m was found to contain average grade of 1.24%Pb, 0.89%Zn, 56g/tAg. 0.06g/tAu and 0.1%As.

V33-2

Collar Co-Ords: 8846 .2E/14100N  
Collar Azimuth: 77<sup>0</sup>M (Grid East)  
Collar Inclination: -85<sup>0</sup>  
Final Depth: 116.3m  
Target: Designed to intersect the mineralized zone approximately 100m down dip of that exposed in the surface trench.

Summary Result: Upper part of hole, to depth of 92.6m, intersected a sequence of laminated grey-black siltstone/slate with interbedded fine (acid) tuffaceous siltstone. This sequence is essentially similar to that identified in V33-1 and the surface trench.

A partly altered mafic intrusive ("Dolerite") was cored in the interval 92.6-100m. From 100 to 101.7m the hole intersected (with poor core recovery) a zone of puggy clay and siliceous breccia with minor pyrite, galena, sphalerite and arsenopyrite in veinlets and breccia interstices.

Below 101.7m the hole passed into medium grained lithic sandstone (of rhyolitic epiclastic derivation) with high intensity network of galena-pyrite-sphalerite bearing quartz carbonate veins in the interval 101.7-107m.

Average grade in the interval 100-108m was 0.06%Pb, 0.09%Zn and 2g/tAg.

### 3.3.3. Discussion

The results of surface trenching and drilling indicate that low grade Pb-Zn-Ag-Au-As mineralization occurs in a siliceous breccia and vein system occupying the contact zone between a thinly bedded slate-siltstone sequence and the (underlying) epiclastic sandstone.

The available evidence suggests that the mineralized zone is essentially concordant with the enclosing sedimentary rocks but the intensity of veining and brecciation indicates a fault-type controlling structure. Small scale textures and distribution of sulphides in the siliceous breccia, furthermore, indicate several periods of fault displacement with accompanying re-brecciation and mineralization.

The grade of mineralization, particularly of gold and silver, appear to significantly diminish down the dip of the structure. However, this may be exacerbated in V33-2 by the presence of a mafic intrusive rock which has invaded the fault zone and possibly:

- a) assimilated or displaced pre existing mineralization or
- b) occupied part of the permeable fault zone which may otherwise have hosted mineralization.

The presence of high intensity (unmineralized) quartz-carbonate veinlets and associated alteration within the mafic rock and the broken nature of the breccia zone indicate that fault movement has continued after sulphide mineralization.

There is no evidence to suggest a stratiform sediment hosted style of mineralization.

047

The consistent low grades and narrow widths of mineralization combine to suggest that the Voyager 33 occurrence has very low economic potential. This conclusion also reflects upon the probably similar style of mineralization which occurs in Copper Creek at Voyager 31.

048

4. VOYAGER 19 INDUCED POLARIZATION

In order to test the in-situ electrical properties of the lead-zinc mineralization that has been the target of electrical geophysical techniques used at Elliott Bay over the past few seasons, a number of lines of dipole-dipole IP/Resistivity profiles were placed over the lenses of massive lead-zinc material so far discovered at Voyager 19. Very small dipole spacings were used ( $a=10m$  and  $a=20m$ ), so that this situation represented more or less a scale model of what would be expected if a very shallow body of potentially economic size were traversed in normal survey mode. The pseudosections obtained are presented in Figures 5 to 9.

Line 13300N

For both the 10m and 20m dipole spacing data the current electrode nearest the massive sulphide lens was at 10080E, a few metres to the west of the sulphide outcrop. The 10m dipole spacing data shows a strong chargeability response centred near 10085E. The source would appear from this data to come to surface, which of course it does, and to be limited in depth extent to a few metres. The response is very strongly asymmetrical, but this is mostly likely to be an artifact of the proximity of the current electrode at 10080E to the lens and cannot be interpreted as being caused by any identifiable geometric characteristic of the source. There is a weak but identifiable resistivity low associated with the sulphide lens. It also has the appearance of a shallow depth limited feature. The weak response confirms that these bodies are likely to be poor but recognisable conductors. The data collected using a dipole spacing of 20m shows two weak anomalous chargeability dipoles centred on 10080E, however this response may not be recognised in an unbiased interpretation.

The resistivity section is largely undisturbed by the presence of the sulphide lens.

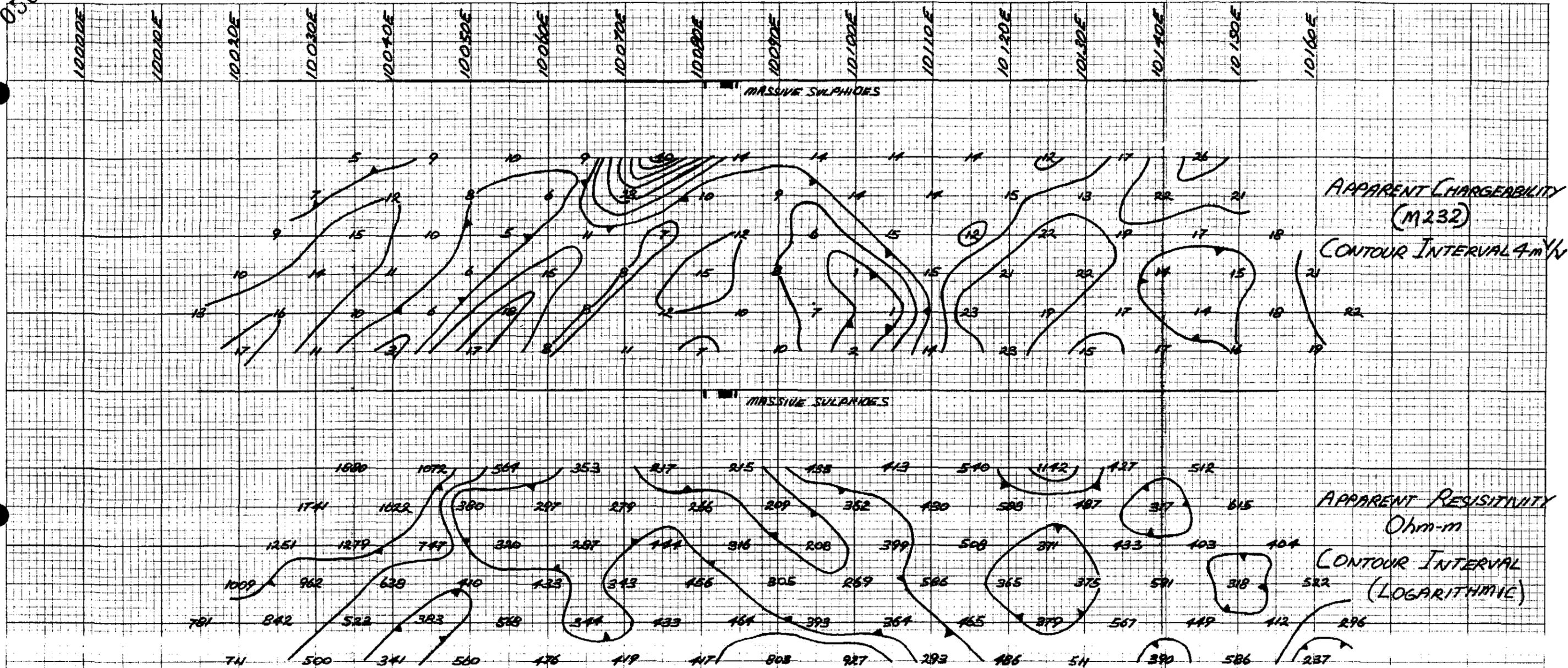
Line 13050E

On this line the initial coverage with both dipole spacings had a current electrode placed directly in the mineralization at 10062E. The result in both cases is strong chargeability response centred on that current electrode. Once again the anomaly appears to be generated by a source which is both shallow and depth limited. As with line 13300N there is a weak resistivity low caused by the sulphide lens evident on the 10m dipole spacing data, but this cannot be seen on the 20m data.

Also the line was reread using a 20m dipole spacing with the current electrodes straddling the mineralization (a more general case).

The section thus obtained shows a much weaker chargeability response more or less centred on 10050E and with a far less "classic" shape. There is no resistivity response.

This test work has shown that a large body of lead-zinc mineralization would be a good target for a dipole-dipole IP/Resistivity survey provided the body occurred at a fairly shallow depth. This work has shown that the anomaly is considerably enhanced by fortuitous placement of current electrodes, however this is likely to be strictly relevant only for the subcropping case. We have also shown that these bodies are poor but recognisable conductors, and finally we have provided evidence that these lenses are as small as other techniques, including gravity and diamond drilling, have suggested they are.



DATE  
 OBSERVER TC/ML  
 a = 10 m  
 INST 1PR8 2.5 HUNTEC

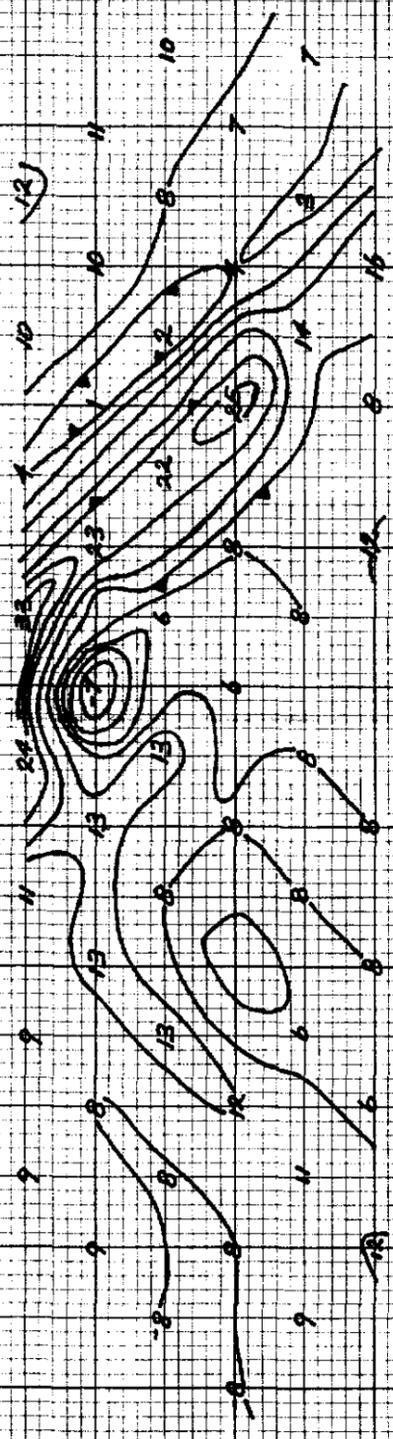
LINE 13.300N  
 VOYAGER 19  
 PSEUDOSECTION OF  
 DIPOLE-DIPOLE  
 I.P. / RESISTIVITY  
 SCALE 1:500  
 FIG 5

5 cm



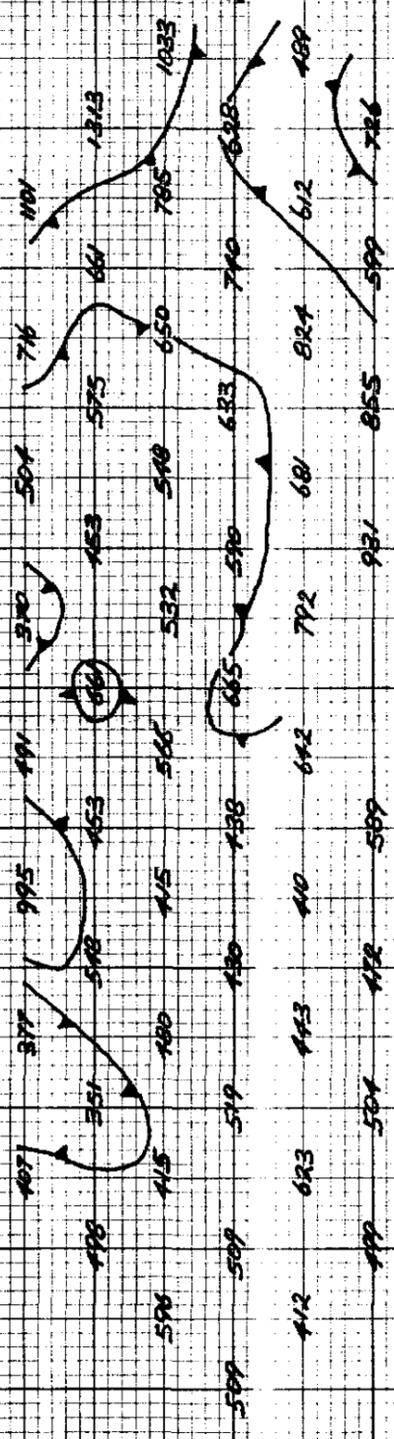


10002E 10022E 10042E 10062E 10082E 10102E 10122E 10142E



APPARENT CHARGEABILITY (M 232)  
CONTOUR INTERVAL 1m V/V

MASSIVE SCLERIDES



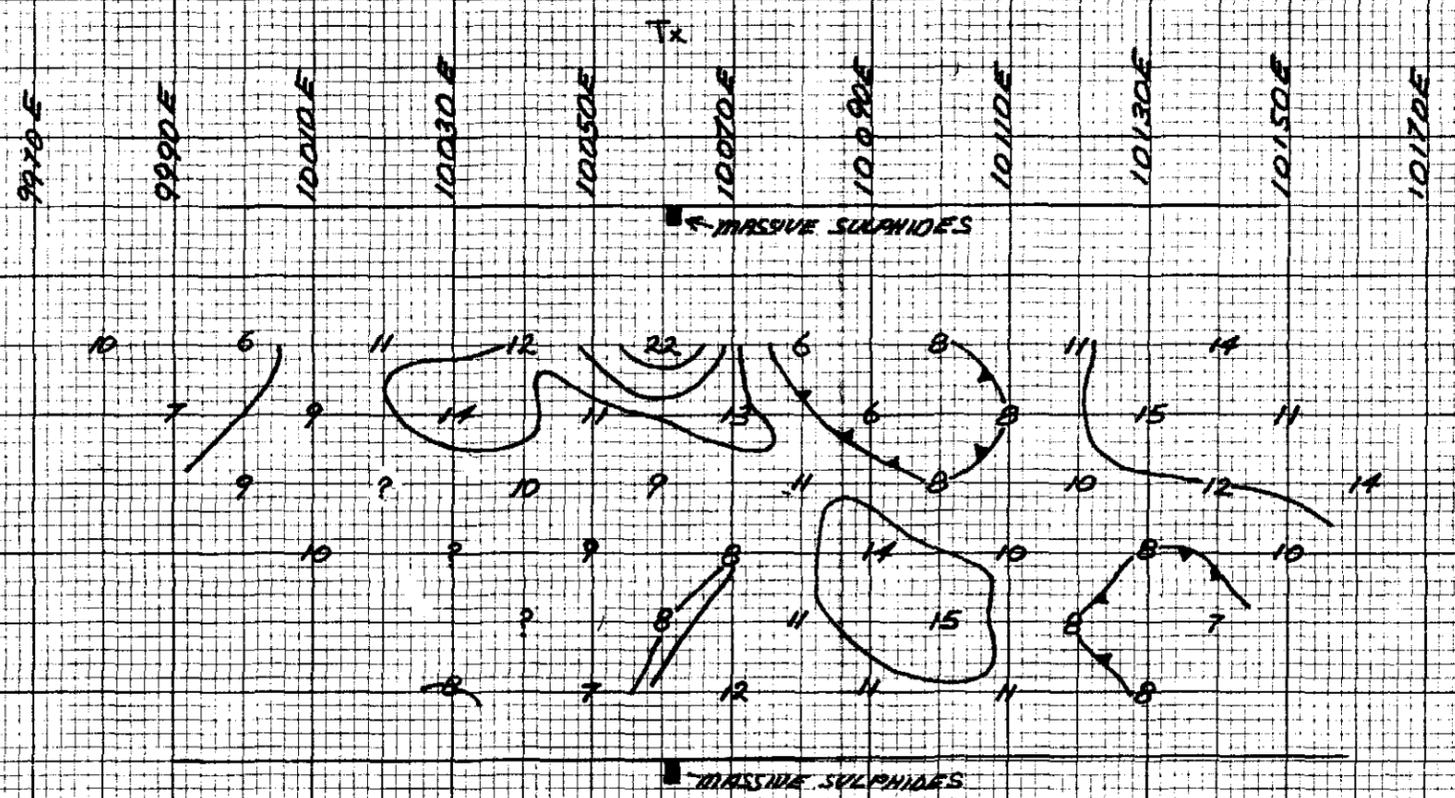
APPARENT RESISTIVITY Ohm m  
CONTOUR INTERVAL LOGARITHMIC

OBSERVER TC, ML  
a = 20m  
INST. TRAB 2.5 HUNTEC

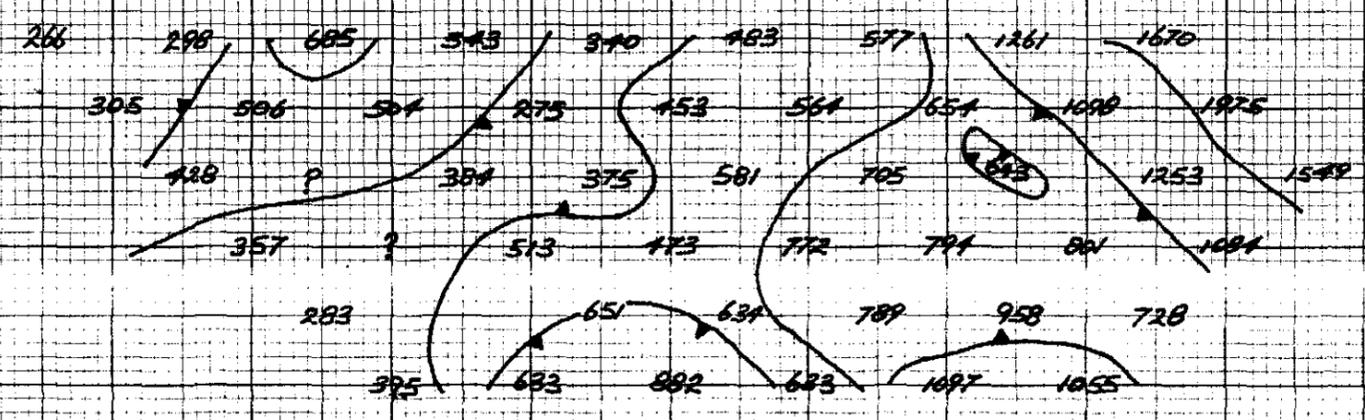
VOYAGER 19  
LINE 13050N  
PSEUDOSECTION OF  
DIPOLE-DIPOLE  
IP RESISTIVITY  
SCALE 1:1000  
FIG 8

5 cm

054



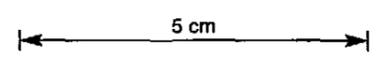
APPARENT CHARGEABILITY (M232)  
CONTOUR INTERVAL 4m V/V



APPARENT RESISTIVITY Ohm.m  
CONTOUR INTERVAL LOGARITHMIC

OBSERVER TC  
 $a = 20m$   
INST: IPRB 25 HUNTEC

VOYAGER 19  
LINE 13050N  
PSEUDOSECTION OF  
DIPOLE-DIPOLE  
I.P. RESISTIVITY  
SCALE 1:1000  
FIG 9



055

5. UTEM SURVEY

During March a UTEM III transient EM survey was conducted over what were considered to be the most favourable areas within the Wart Hill Pyroclastics. 4 transmitter loops were laid out and approximately 40 line km were covered by receiver traverses. The positions of the transmitter loops and receiver traverses are shown on Plan 1 .

Complete UTEM III profiles are presented in Appendix IX.

The purpose of the survey was to detect, if present, any conductors below the depth of penetration of the previous geophysical techniques used in these areas, notably IP and in some cases gravity. Such conductors would be expected to lie approximately in the depth range 100m-200m. The Utem technique was chosen because as a large loop transient electromagnetic system it was expected that the system should be able to detect bodies at these depths. As the target bodies were expected to be fairly poor conductors, the ability of the Utem system to measure transient voltages at early times was also considered an advantage. Also the Utem equipment itself has shown itself to be reliable in the wet conditions that prevail in South West Tasmania, especially towards the end of the field season when the work was undertaken.

The results of the survey were on the whole disappointing, with no conductors being detected which are likely to relate to massive sulphide mineralization. Local lateral inhomogeneities give rise to minor perturbations on what is generally a response attributable to a uniform layered earth.

The conductive black shale units of the "Tyndall Group" which occur on the eastern ends of many of the lines give rise to large amplitude anomalies which are most likely due to the effects of current gathering in these extensive north-south conductive zones.

The only anomaly detected which does have the attributes expected of a response due to lead-zinc mineralization was encountered on lines 7600N and 8000N (Voyager 9) at eastings of 10950E, and 11050E respectively (see Appendix IX-C).

These are very shallow responses attributable to a source with a fairly low conductivity-thickness product. However, as the responses come from a shallow source, if that source were a body of lead-zinc mineralization, a significant IP response would have been associated with it. As there is only a weak IP response, this anomaly must be down graded. Nevertheless its shallow nature suggests that it could be investigated by costeaming if follow up was considered desirable.

6.

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APPENDIX I - A

GEOLOGICAL CORE LOG: V24-2











# GEOPEKO TASMANIA DRILL LOG

Prospect V2A Hole no.2

064

| DEPTH (m) |     | GRAPHIC LOG | ANGLE TO CORE AXIS |    | GEOLOGICAL DESCRIPTION   | Alteration | MINERALISATION |    |    |     | Fracturing | Sample No. | From (m) | To (m) | Rec (m) | ASSAYS (Lab:) |  |  |  |  |
|-----------|-----|-------------|--------------------|----|--|------------|----------------|----|----|-----|------------|------------|----------|--------|---------|---------------|--|--|--|--|
| from      | to  |             | S0                 | S1 |  |            | py             | ga | sp | CPY |            |            |          |        |         |               |  |  |  |  |
|           |     | Cont.       |                    |    |  |            |                |    |    |     |            |            |          |        |         |               |  |  |  |  |
|           |     |             |                    |    | Zone of significant Qtz veining as follows:  |            |                |    |    |     |            | 14596      | 97       | 98     | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14597      | 98       | 99     | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14598      | 99       | 100    | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14599      | 100      | 101    | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14600      | 101      | 102    | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14601      | 102      | 103    | 1       |               |  |  |  |  |
|           |     |             |                    |    | Qtz veins rare < 0.5/metre   |            |                |    |    |     |            | 14602      | 103      | 104    | 1       |               |  |  |  |  |
| 123       | 128 |             |                    |    | Qtz & minor carbonate and Feldspar veins 5mm to 2cm thick upto 10/metre. Irregular trace sp, ga (CPY)    |            |                |    |    |     |            | 14603      | 104      | 105    | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14604      | 105      | 106    | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14605      | 106      | 107    | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14606      | 107      | 108    | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14607      | 108      | 109    | 1       |               |  |  |  |  |
| 130       | 132 |             |                    |    | Qtz veins < 5mm, < 5/m.  |            |                |    |    |     |            | 14608      | 109      | 110    | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14609      | 110      | 111    | 1       |               |  |  |  |  |
| 145       | 152 |             |                    |    | Narrow < 5mm Qtz-carb veinlets ~ 5/metre   |            |                |    |    |     |            | 14610      | 111      | 112    | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14611      | 112      | 113    | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14612      | 113      | 114    | 1       |               |  |  |  |  |
| 152       | 162 |             |                    |    | Irregular milky Qtz-carbonate veins 5mm - 40mm variable intensity upto 20/metre core                     |            |                |    |    |     |            | 14613      | 114      | 115    | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14614      | 115      | 116    | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14615      | 116      | 117    | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14616      | 117      | 118    | 1       |               |  |  |  |  |
| 162       | 195 |             |                    |    | Narrow Qtz-carb veinlets < 5mm generally < 5/metre.  |            |                |    |    |     |            | 14617      | 118      | 119    | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14618      | 119      | 120    | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14619      | 120      | 121    | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14620      | 121      | 122    | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14621      | 122      | 123    | 1       |               |  |  |  |  |
| 220       | 223 |             |                    |    | Irregular/unhomogeneous greyish CARBONATE? veinlets associated with weak local iron carbonate ~ 5/ stune |            |                |    |    |     |            | 14622      | 123      | 124    | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14623      | 124      | 125    | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14624      | 125      | 126    | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14625      | 126      | 127    | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14626      | 127      | 128    | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14627      | 128      | 129    | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14628      | 129      | 130    | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14629      | 130      | 131    | 1       |               |  |  |  |  |
|           |     |             |                    |    |  |            |                |    |    |     |            | 14630      | 131      | 132    | 1       |               |  |  |  |  |

247061

# GEOPEKO TASMANIA DRILL LOG

Prospect V24 Hole no. 2

| DEPTH (m) |  | GRAPHIC LOG | ANGLE TO CORE AXIS |    | GEOLOGICAL DESCRIPTION   | Alteration | MINERALISATION |  |    | Fracturing | Sample No. | From (m) | To (m) | Rec (.) | ASSAYS (Lab) |  |  |  |
|-----------|--|-------------|--------------------|----|--|------------|----------------|--|----|------------|------------|----------|--------|---------|--------------|--|--|--|
|           |  |             | So                 | Si |  |            | py             |  | Am |            |            |          |        |         |              |  |  |  |
|           |  |             |                    |    | (cont.)  |            |                |  |    |            |            |          |        |         |              |  |  |  |
|           |  |             |                    |    | High Gold value at 202-208m<br>no doubt related to small<br>( $\leq 2\text{mm}$ ) irregular and<br>indistinct veinlet?<br>of Sphalerite - minor galena<br>minerals chalcopyrite and<br>quartz with several<br>small grains of Gold.<br>Gold is in small grains<br>0.1 - 0.5 mm, cubical or<br>wiry! in close association<br>with Sphalerite and Cpy. |            |                |  |    |            | 14631      | 132      | 133    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14632      | 133      | 134    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14633      | 134      | 135    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14634      | 135      | 136    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14635      | 136      | 137    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14636      | 137      | 138    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14637      | 138      | 139    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14638      | 139      | 140    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14639      | 140      | 141    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14640      | 141      | 142    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14641      | 142      | 143    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14642      | 143      | 144    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14643      | 144      | 145    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14644      | 145      | 146    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14645      | 146      | 147    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14646      | 147      | 148    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14647      | 148      | 149    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14648      | 149      | 150    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14649      | 150      | 151    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14650      | 151      | 152    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14651      | 152      | 153    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14652      | 153      | 154    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14653      | 154      | 155    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14654      | 155      | 156    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14655      | 156      | 157    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14656      | 157      | 158    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14657      | 158      | 159    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14658      | 159      | 160    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14659      | 160      | 161    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14660      | 161      | 162    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14661      | 162      | 163    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14662      | 163      | 164    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14663      | 164      | 165    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14664      | 165      | 166    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14665      | 166      | 167    | 0.25    |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14666      | 167      | 168    | 0.8     |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14667      | 168      | 169    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14668      | 169      | 170    | 1       |              |  |  |  |
|           |  |             |                    |    |  |            |                |  |    |            | 14669      | 170      | 171    | 1       |              |  |  |  |

247065



# GEOPEKO TASMANIA DRILL LOG

Prospect V24 Hole no. 067

067

| DEPTH (m) |    | GRAPHIC LOG | ANGLE TO CORE AXIS |    | GEOLOGICAL DESCRIPTION | Alteration | MINERALISATION |  |  | Fracturing | Sample No. | From (m) | To (m) | Rec (.) | ASSAYS (Lab) |  |  |  |  |
|-----------|----|-------------|--------------------|----|------------------------|------------|----------------|--|--|------------|------------|----------|--------|---------|--------------|--|--|--|--|
| from      | to |             | So                 | Si |                        |            | PY             |  |  |            |            |          |        |         |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            |            |          |        |         |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | KR 14709   | 210      | 211    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14710      | 211      | 212    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14711      | 212      | 213    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14712      | 213      | 214    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14713      | 214      | 215    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14714      | 215      | 216    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14715      | 216      | 217    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14716      | 217      | 218    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14717      | 218      | 219    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14718      | 219      | 220    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14719      | 220      | 221    | 0.7     |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14720      | 221      | 222    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14721      | 222      | 223    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14722      | 223      | 224    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14723      | 224      | 225    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14724      | 225      | 226    | 0.85    |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14725      | 226      | 227    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14726      | 227      | 228    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14727      | 228      | 229    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14728      | 229      | 230    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14729      | 230      | 231    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14730      | 231      | 232    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14731      | 232      | 233    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14732      | 233      | 234    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14733      | 234      | 235    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14734      | 235      | 236    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14735      | 236      | 237    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14736      | 237      | 238    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14737      | 238      | 239    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14738      | 239      | 240    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14739      | 240      | 241    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14740      | 241      | 242    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14741      | 242      | 243    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14742      | 243      | 244    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14743      | 244      | 245    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14744      | 245      | 246    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14745      | 246      | 247    | 1       |              |  |  |  |  |
|           |    |             |                    |    |                        |            |                |  |  |            | 14746      | 247      | 248    | 1       |              |  |  |  |  |

247067



069

247069

APPENDIX I - B

GEOLOGICAL CORE LOG: V24-3

# GEOPEKO TASMANIA DRILL LOG

Prospect V24 Hole no. 3 070

| DEPTH (m) |       | GRAPHIC LOG | ANGLE TO CORE AXIS |       | GEOLOGICAL DESCRIPTION   | Alteration | MINERALISATION |  |  | Fracturing | Sample No. | From (m) | To (m) | Rec (.) | ASSAYS (Lab: ) |  |  |  |  |
|-----------|-------|-------------|--------------------|-------|--|------------|----------------|--|--|------------|------------|----------|--------|---------|----------------|--|--|--|--|
| From      | to    |             | So                 | Si    |  |            | PY             |  |  |            |            |          |        |         |                |  |  |  |  |
| 0         | 3     |             |                    |       | No Core  |            |                |  |  |            |            |          |        |         |                |  |  |  |  |
| 3         | 6     |             |                    |       | HQ Core  |            |                |  |  |            |            |          |        |         |                |  |  |  |  |
| 6         | 32.2  |             |                    |       | NQ Core  |            |                |  |  |            |            |          |        |         |                |  |  |  |  |
| 32.2      | 167.1 |             |                    | (EDH) | BO Core.   |            |                |  |  |            | 14251      | 3        | 4      |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14252      | 4        | 5      |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14253      | 5        | 6      |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14254      | 6        | 7      |         |                |  |  |  |  |
| 3         | 167.1 |             |                    |       | PLUYSTIC WITHIC CRYSTAL TUFF.  |            |                |  |  |            | 14255      | 7        | 8      |         |                |  |  |  |  |
|           |       |             |                    |       | Generally: medium to small (5-40 mm) subrounded to subangular fragments of creamy or mottled dove grey coloured quartz-feldspar porphyry scattered about in a medium grained (1-2 mm) sericitic quartz crystal tuff matrix.                |            |                |  |  |            | 14256      | 8        | 9      |         |                |  |  |  |  |
|           |       |             |                    |       | fragments constitute about 5-10% of vol. volume but proportions vary considerably.   |            |                |  |  |            | 14257      | 9        | 10     |         |                |  |  |  |  |
|           |       |             |                    |       | Generally at least half of the fragments are of the quartz siliceous amygdale type and these generally have up to 1:1 fine fine disseminated pyrite either representing pre-depositional alteration or product of primary crystallisation. |            |                |  |  |            | 14258      | 10       | 11     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14259      | 11       | 12     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14260      | 12       | 13     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14261      | 13       | 14     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14262      | 14       | 15     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14263      | 15       | 16     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14264      | 16       | 17     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14265      | 17       | 18     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14266      | 18       | 19     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14267      | 19       | 20     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14268      | 20       | 21     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14269      | 21       | 22     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14270      | 22       | 23     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14271      | 23       | 24     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14272      | 24       | 25     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14273      | 25       | 26     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14274      | 26       | 27     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14275      | 27       | 28     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14276      | 28       | 29     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14277      | 29       | 30     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14278      | 30       | 31     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14279      | 31       | 32     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14280      | 32       | 33     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14281      | 33       | 34     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14282      | 34       | 35     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14283      | 35       | 36     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14284      | 36       | 37     |         |                |  |  |  |  |
|           |       |             |                    |       |  |            |                |  |  |            | 14285      | 37       | 38     |         |                |  |  |  |  |

10cm City vein & minor py

247070





# GEOPEKO TASMANIA DRILL LOG

Prospect V24 Hole no. 3

073

| DEPTH (m) |    | GRAPHIC LOG | ANGLE TO CORE AXIS |                | GEOLOGICAL DESCRIPTION   | Alteration | MINERALISATION |  |  | Fracturing | Sample No. | From (m) | To (m) | Rec (i.) | ASSAYS (Lab:) |  |  |  |  |
|-----------|----|-------------|--------------------|----------------|--|------------|----------------|--|--|------------|------------|----------|--------|----------|---------------|--|--|--|--|
| from      | to |             | S <sub>0</sub>     | S <sub>1</sub> |  |            | PY             |  |  |            |            |          |        |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            |            |          |        |          |               |  |  |  |  |
|           |    |             |                    |                | 116.2 - 119 m. 3 large Qtz veins upto 20 cm with minor pyrite, somewhat common.  |            |                |  |  |            |            |          |        |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14361      | 113      | 114    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14362      | 114      | 115    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14363      | 115      | 116    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14364      | 116      | 117    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14365      | 117      | 118    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14366      | 118      | 119    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14367      | 119      | 120    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14368      | 120      | 121    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14369      | 121      | 122    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14370      | 122      | 123    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14371      | 123      | 124    |          |               |  |  |  |  |
|           |    |             |                    |                | 125.7 - 126.3 m. Dr. brown Sphalerite + minor galena and Qtz in vein at least 1 cm. thick running subparallel to one edge of core.   |            |                |  |  |            | 14372      | 124      | 125    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14373      | 125      | 126    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14374      | 126      | 127    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14375      | 127      | 128    |          |               |  |  |  |  |
|           |    |             |                    |                | 126.9 - Veinly Sphalerite + subordinate galena, minor pyrite and quartz in highly irregular vein upto 5 cm. thick.   |            |                |  |  |            | 14376      | 128      | 129    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14377      | 129      | 130    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14378      | 130      | 131    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14379      | 131      | 132    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14380      | 132      | 133    |          |               |  |  |  |  |
|           |    |             |                    |                | 127.0 - 127.4 m. 2-4 cm thick veinly galena - sphalerite subordinate quartz vein running parallel to core axis. Seams to cut (post date) some smaller (< 1cm) Qtz veins which are semi-parallel normal to core axis. |            |                |  |  |            | 14381      | 133      | 134    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14382      | 134      | 135    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14383      | 135      | 136    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14384      | 136      | 137    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14385      | 137      | 138    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14386      | 138      | 139    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14387      | 139      | 140    |          |               |  |  |  |  |
|           |    |             |                    |                | * Minor (rare) embedded blebs of Ankerite occur in the 2 metres or so below the above veins.   |            |                |  |  |            | 14388      | 140      | 141    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14389      | 141      | 142    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14390      | 142      | 143    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14391      | 143      | 144    |          |               |  |  |  |  |
|           |    |             |                    |                | 128.1 - 129.3 m. Two thick quartz veins with coarse slugs of sphalerite (dark) and galena.   |            |                |  |  |            | 14392      | 144      | 145    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14393      | 145      | 146    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14394      | 146      | 147    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14395      | 147      | 148    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14396      | 148      | 149    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14397      | 149      | 150    |          |               |  |  |  |  |
|           |    |             |                    |                |  |            |                |  |  |            | 14398      | 150      | 151    |          |               |  |  |  |  |

247073

# GEOPEKO TASMANIA DRILL LOG

Prospect V24 Hole no. 3

074

| DEPTH (m) |    | BRANCHED LOGS | ANGLE TO CORE AXIS |    | GEOLOGICAL DESCRIPTION   | Alteration | MINERALISATION |  |  | Fracturing | Sample No. | From (m) | To (m) | Rec (.) | ASSAYS (Lab: ) |  |  |  |
|-----------|----|---------------|--------------------|----|--|------------|----------------|--|--|------------|------------|----------|--------|---------|----------------|--|--|--|
| from      | to |               | So                 | Si |  |            | py             |  |  |            |            |          |        |         |                |  |  |  |
|           |    |               |                    |    | 140- EOH. Barren city veins in range   |            |                |  |  |            |            |          |        |         |                |  |  |  |
|           |    |               |                    |    | 1cm to 4cm. average about 1-2/2ctns.   |            |                |  |  |            |            |          |        |         |                |  |  |  |
|           |    |               |                    |    |  |            |                |  |  |            | 14399      | 151      | 152    |         |                |  |  |  |
|           |    |               |                    |    |  |            |                |  |  |            | 14400      | 152      | 153    |         |                |  |  |  |
|           |    |               |                    |    |  |            |                |  |  |            | 14401      | 153      | 154    |         |                |  |  |  |
|           |    |               |                    |    |  |            |                |  |  |            | 14402      | 154      | 155    |         |                |  |  |  |
|           |    |               |                    |    |  |            |                |  |  |            | 14403      | 155      | 156    |         |                |  |  |  |
|           |    |               |                    |    |  |            |                |  |  |            | 14404      | 156      | 157    |         |                |  |  |  |
|           |    |               |                    |    | 158.3m. Minor blebs galena - sp in Sem. Obs vein.                                  |            |                |  |  |            | 14405      | 157      | 158    |         |                |  |  |  |
|           |    |               |                    |    |  |            |                |  |  |            | 14406      | 158      | 159    |         |                |  |  |  |
|           |    |               |                    |    | 163.2m. Slugs of galena associated with small quantity-carbonate (sp. sp.?) veins. |            |                |  |  |            | 14407      | 159      | 160    |         |                |  |  |  |
|           |    |               |                    |    |  |            |                |  |  |            | 14408      | 160      | 161    |         |                |  |  |  |
|           |    |               |                    |    |  |            |                |  |  |            | 14409      | 161      | 162    |         |                |  |  |  |
|           |    |               |                    |    |  |            |                |  |  |            | 14410      | 162      | 163    |         |                |  |  |  |
|           |    |               |                    |    |  |            |                |  |  |            | 14411      | 163      | 164    |         |                |  |  |  |
|           |    |               |                    |    |  |            |                |  |  |            | 14412      | 164      | 165    |         |                |  |  |  |
|           |    |               |                    |    |  |            |                |  |  |            | 14413      | 165      | 166    |         |                |  |  |  |
|           |    |               |                    |    |  |            |                |  |  |            | 14414      | 166      | 167.1  |         |                |  |  |  |

247074

APPENDIX I - C

GEOLOGICAL CORE LOG: V24-4











# GEOPEKO TASMANIA DRILL LOG

Prospect V24 Hole no. 4

081

| DEPTH (m) |       | GRAPHIC LOG | ANGLE TO CORE AXIS |    | GEOLOGICAL DESCRIPTION  | Alteration | MINERALISATION |  |  | Fracturing | Sample No. | From (m) | To (m) | Rec (') | ASSAYS (Lab:) |  |  |  |
|-----------|-------|-------------|--------------------|----|---|------------|----------------|--|--|------------|------------|----------|--------|---------|---------------|--|--|--|
| from      | to    |             | So                 | Si |   |            | Py             |  |  |            |            |          |        |         |               |  |  |  |
|           |       |             |                    |    |   |            |                |  |  |            |            |          |        |         |               |  |  |  |
|           |       |             |                    |    |   |            |                |  |  |            | 13411      | 168      | 169    | /       |               |  |  |  |
|           |       |             |                    |    |   |            |                |  |  |            | 13412      | 169      | 170    | /       |               |  |  |  |
|           |       |             |                    |    |   |            |                |  |  |            | 13413      | 170      | 171    | /       |               |  |  |  |
|           |       |             |                    |    |   |            |                |  |  |            | 13414      | 171      | 172    | /       |               |  |  |  |
|           |       |             |                    |    |   |            |                |  |  |            | 13415      | 172      | 173    | /       |               |  |  |  |
|           |       |             |                    |    |   |            |                |  |  |            | 13416      | 173      | 174    | /       |               |  |  |  |
|           |       |             |                    |    |   |            |                |  |  |            | 13417      | 174      | 175    | /       |               |  |  |  |
| 174.3     | 177.1 |             |                    |    | LAMINATED BLACK SILTSTONE AND TUFFACEOUS SANDSTONE.   |            |                |  |  |            | 13418      | 175      | 176    | /       |               |  |  |  |
|           |       |             |                    |    | Essentially a variant of above sandstone with addition of fine laminae of black siltstone - proportion of about 40% of volume. Not notably pyritic. |            |                |  |  |            | 13419      | 176      | 177    | /       |               |  |  |  |
| 177.1     | 185.5 |             |                    |    | STRATIFIED WYLLIC TUFF AND INTERBEDDED n.g. TUFFACEOUS SANDSTONE  |            |                |  |  |            | 13420      | 177      | 178    | /       |               |  |  |  |
|           |       |             |                    |    | Similar to composite mixture of two lithologies observed between 105-174.3m.  |            |                |  |  |            | 13421      | 178      | 179    | /       |               |  |  |  |
|           |       |             |                    |    |   |            |                |  |  |            | 13422      | 179      | 180    | /       |               |  |  |  |
|           |       |             |                    |    |   |            |                |  |  |            | 13423      | 180      | 181    | /       |               |  |  |  |
|           |       |             |                    |    |   |            |                |  |  |            | 13424      | 181      | 182    | /       |               |  |  |  |
|           |       |             |                    |    |   |            |                |  |  |            | 13425      | 182      | 183    | /       |               |  |  |  |
|           |       |             |                    |    |   |            |                |  |  |            | 13426      | 183      | 184    | /       |               |  |  |  |
|           |       |             |                    |    |   |            |                |  |  |            | 13427      | 184      | 185    | /       |               |  |  |  |
| 185.5     | 186.8 |             | 60°                |    | INTERBEDDED DARK GREY TUFFACEOUS SILTSTONE and PALE TUFFACEOUS SANDSTONE.   |            |                |  |  |            | 13428      | 185      | 186    | /       |               |  |  |  |
|           |       |             |                    |    | Small flame structures at 186.5m. suggest facing up the hole.   |            |                |  |  |            | 13429      | 186      | 187    | /       |               |  |  |  |

247081

# GEOPEKO TASMANIA DRILL LOG

Prospect V24 Hole no. 4

082

| DEPTH (m) |       | ANGLE TO CORE AXIS | GEOLOGICAL DESCRIPTION  | Alteration | MINERALISATION |    |    | Fracturing | Sample No. | From (m) | To (m) | Rec (.) | ASSAYS (Lob) |  |  |  |  |  |
|-----------|-------|--------------------|---|------------|----------------|----|----|------------|------------|----------|--------|---------|--------------|--|--|--|--|--|
| from      | to    |                    |   |            | LAB            | So | Si |            |            |          |        |         | py           |  |  |  |  |  |
| 186.8     | 198.3 |                    | INTERBEDDED MITIC TUFF /<br>TUFFACEOUS SANDSTONE and<br>TUFFACEOUS SILTSTONE.<br><br>Probably subaqueous<br>deposited pyroclastic<br>with rather than<br>epilastic.<br><br>Occasional irregular<br>fragments of black siltstone<br>indicating syndimentary<br>disruption.   |            |                |    |    | VR         |            |          |        |         |              |  |  |  |  |  |
|           |       |                    |   |            |                |    |    | 13430      | 187        | 188      | 1      |         |              |  |  |  |  |  |
|           |       |                    |   |            |                |    |    | 13431      | 188        | 189      | 1      |         |              |  |  |  |  |  |
|           |       |                    |   |            |                |    |    | 13432      | 189        | 190      | 1      |         |              |  |  |  |  |  |
|           |       |                    |   |            |                |    |    | 13433      | 190        | 191      | 1      |         |              |  |  |  |  |  |
|           |       |                    |   |            |                |    |    | 13434      | 191        | 192      | 1      |         |              |  |  |  |  |  |
|           |       |                    |   |            |                |    |    | 13435      | 192        | 193      | 1      |         |              |  |  |  |  |  |
|           |       |                    |   |            |                |    |    | 13436      | 193        | 194      | 1      |         |              |  |  |  |  |  |
|           |       |                    |   |            |                |    |    | 13437      | 194        | 195      | 1      |         |              |  |  |  |  |  |
|           |       |                    |   |            |                |    |    | 13438      | 195        | 196      | 1      |         |              |  |  |  |  |  |
|           |       |                    |   |            |                |    |    | 13439      | 196        | 197      | 1      |         |              |  |  |  |  |  |
|           |       |                    |   |            |                |    |    | 13440      | 197        | 198      | 1      |         |              |  |  |  |  |  |
|           |       |                    |   |            |                |    |    | 13441      | 198        | 199      | 1      |         |              |  |  |  |  |  |
| 198.3     | 211.1 |                    | Brecciated Rhyolite AND<br>Rhyolitic Melcomerate.<br><br>Closely packed irregular<br>fragments of variable int<br>predominantly fine grained<br>grey Qtz-feldspar porphyritic<br>Rhyolite with sparse inter-<br>fragmental e.g. tuffaceous matrix.<br>Occasional large<br>fragments and "beds" of<br>fine tuffaceous siltstone<br>(e.g. 15cm band at 200.35-200.5m)<br>might (but do not prove)<br>could agglomeratic flow<br>deposition rather than<br>intra flow volcanic brecciation.<br>Similarly the pyroclastic<br>looking ss. atcl tuff in<br>interval 205.5-207.2m. |            |                |    |    |            |            |          |        |         |              |  |  |  |  |  |
|           |       |                    |   |            |                |    |    | 13442      | 199        | 200      | 1      |         |              |  |  |  |  |  |
|           |       |                    |   |            |                |    |    | 13443      | 200        | 201      | 1      |         |              |  |  |  |  |  |
|           |       |                    |   |            |                |    |    | 13444      | 201        | 202      | 1      |         |              |  |  |  |  |  |
|           |       |                    |   |            |                |    |    | 13445      | 202        | 203      | 1      |         |              |  |  |  |  |  |
|           |       |                    |   |            |                |    |    | 13446      | 203        | 204      | 1      |         |              |  |  |  |  |  |
|           |       |                    |   |            |                |    |    | 13447      | 204        | 205      | 1      |         |              |  |  |  |  |  |
|           |       |                    |   |            |                |    |    | 13448      | 205        | 206      | 1      |         |              |  |  |  |  |  |
|           |       |                    |   |            |                |    |    | 13449      | 206        | 207      | 1      |         |              |  |  |  |  |  |
|           |       |                    |   |            |                |    |    | 13450      | 207        | 208      | 1      |         |              |  |  |  |  |  |
|           |       |                    |   |            |                |    |    | 13451      | 208        | 209      | 1      |         |              |  |  |  |  |  |
|           |       |                    |   |            |                |    |    | 13452      | 209        | 210      | 1      |         |              |  |  |  |  |  |
|           |       |                    |   |            |                |    |    | 13453      | 210        | 211      | 1      |         |              |  |  |  |  |  |

247082



APPENDIX II - A

LABORATORY REPORTS : V24-2

|          |   |           |      |
|----------|---|-----------|------|
| 2.8-97m  | : | Batch No: | B006 |
| 97-172m  | : | " "       | B033 |
| 172-252m | : | " "       | B061 |

035

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Telex: ALSEV 42344

Client: GEOPEKO LIMITED,  
Address: P.O. BOX 598  
DEVONPORT, TAS, 7310

Page 1 of 8

Batch Number: B006

Contact: MR. W. HERRMANN

No. of Samples: 94  
Date Received: 02/02/84  
Date Completed: 09/02/84

Order No. K 713, KP 3351 Sample Type: CORE

| SAMPLE NUMBER    | Element Unit Method | Cu ppm G001 | Pb ppm G001 | Zn ppm G001 | Ag ppm G001 | Fe % G001 |
|------------------|---------------------|-------------|-------------|-------------|-------------|-----------|
| KR 14502         |                     | 10          | 15          | 155         | 1           | 0.57      |
| KR 14503         |                     | 5           | 20          | 290         | 1           | 1.34      |
| KR 14504         |                     | 10          | 45          | 800         | 1           | 0.92      |
| KR 14505         |                     | 35          | 240         | 920         | 9           | 0.48      |
| KR 14506         |                     | 155         | 95          | 90          | 29          | 0.26      |
| KR 14507         |                     | 30          | 90          | 90          | 13          | 0.24      |
| KR 14508         |                     | 195         | 270         | 340         | 6           | 0.57      |
| KR 14509         |                     | 15          | 65          | 750         | 1           | 0.38      |
| KR 14510         |                     | 5           | 35          | 670         | 1           | 0.49      |
| KR 14511         |                     | 10          | 35          | 920         | 2           | 0.54      |
| KR 14512         |                     | 10          | 110         | 70          | 3           | 0.59      |
| KR 14513         |                     | 20          | 70          | 105         | 6           | 0.36      |
| KR 14514         |                     | 10          | 25          | 150         | 7           | 0.17      |
| KR 14515         |                     | 75          | 210         | 490         | 5           | 0.59      |
| KR 14516         |                     | 10          | 230         | 690         | 4           | 0.64      |
| KR 14517         |                     | 10          | 135         | 540         | 4           | 0.43      |
| KR 14518         |                     | 10          | 55          | 185         | 2           | 0.89      |
| KR 14519         |                     | 10          | 150         | 490         | 3           | 0.71      |
| KR 14520         |                     | 20          | 70          | 390         | 2           | 0.56      |
| KR 14521         |                     | 20          | 30          | 150         | 1           | 0.63      |
| KR 14522         |                     | 20          | 30          | 180         | 2           | 0.48      |
| KR 14523         |                     | 40          | 25          | 340         | 2           | 0.63      |
| KR 14524         |                     | 15          | 25          | 210         | 2           | 0.63      |
| KR 14525         |                     | 50          | 25          | 60          | 1           | 0.54      |
| KR 14526         |                     | 80          | 390         | 1700        | 16          | 0.85      |
| KR 14527         |                     | 50          | 400         | 1850        | 8           | 0.35      |
| KR 14528         |                     | 90          | 210         | 780         | 5           | 0.77      |
| KR 14529         |                     | 90          | 800         | 190         | 5           | 0.60      |
| KR 14530         |                     | 120         | 1050        | 490         | 5           | 0.95      |
| KR 14531         |                     | 65          | 250         | 155         | 2           | 0.62      |
| Detection Limit: |                     | 2           | 5           | 2           | 1           | 0.01      |

Comments: Ag : Values >25 ppm reassayed by method A101

VOYAGER 24 DDH 2 2.8 to 97 metres



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*G J Kilmister*

Registered Laboratory

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DEVONPORT, TAS. 7310

Page 2 of 8

Batch Number: B006

Contact: MR. W. HERRMANN

No. of Samples: 94  
Date Received: 02/02/84  
Date Completed: 09/02/84

Order No. K 713, KP 3351 Sample Type: CORE

| SAMPLE NUMBER    | Element Unit Method | As ppm G004 | Au ppb PM205 |  |  |
|------------------|---------------------|-------------|--------------|--|--|
| KR 14502         |                     | 20          | 10           |  |  |
| KR 14503         |                     | 20          | 25           |  |  |
| KR 14504         |                     | 24          | 35           |  |  |
| KR 14505         |                     | 36          | 15           |  |  |
| KR 14506         |                     | 14          | 3            |  |  |
| KR 14507         |                     | 9           | <3           |  |  |
| KR 14508         |                     | 70          | 5            |  |  |
| KR 14509         |                     | 32          | 5            |  |  |
| KR 14510         |                     | 30          | <3           |  |  |
| KR 14511         |                     | 30          | <3           |  |  |
| KR 14512         |                     | 42          | <3           |  |  |
| KR 14513         |                     | 10          | <3           |  |  |
| KR 14514         |                     | 9           | <3           |  |  |
| KR 14515         |                     | 60          | <3           |  |  |
| KR 14516         |                     | 60          | 5            |  |  |
| KR 14517         |                     | 48          | <3           |  |  |
| KR 14518         |                     | 36          | 10           |  |  |
| KR 14519         |                     | 32          | 5            |  |  |
| KR 14520         |                     | 42          | 10           |  |  |
| KR 14521         |                     | 24          | 3            |  |  |
| KR 14522         |                     | 22          | <3           |  |  |
| KR 14523         |                     | 34          | 5            |  |  |
| KR 14524         |                     | 38          | 5            |  |  |
| KR 14525         |                     | 40          | 10           |  |  |
| KR 14526         |                     | 175         | 90           |  |  |
| KR 14527         |                     | 70          | 80           |  |  |
| KR 14528         |                     | 75          | 105          |  |  |
| KR 14529         |                     | 40          | 120          |  |  |
| KR 14530         |                     | 75          | 100          |  |  |
| KR 14531         |                     | 70          | 45           |  |  |
| Detection Limit: |                     | 1           | 3            |  |  |

Comments:



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Address: P.O. BOX 598  
DEVONPORT, TAS. 7310

Page 3 of 8

Batch Number: B006

Contact: MR. W. HERRMANN

No. of Samples: 94  
Date Received: 02/02/84  
Date Completed: 09/02/84

Order No. K 713, KP 3351 Sample Type: CORE

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Cu<br>ppm<br>G001 | Pb<br>ppm<br>G001 | Zn<br>ppm<br>G001 | Ag<br>ppm<br>G001 | Fe<br>%<br>G001 |
|------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-----------------|
| KR 14532         |                           | 10                | 35                | 70                | 1                 | 0.40            |
| KR 14533         |                           | 5                 | 25                | 70                | <1                | 0.79            |
| KR 14534         |                           | 10                | 20                | 35                | <1                | 0.56            |
| KR 14535         |                           | 10                | 20                | 40                | <1                | 0.58            |
| KR 14536         |                           | 20                | 25                | 35                | <1                | 0.61            |
| KR 14537         |                           | 10                | 35                | 75                | 1                 | 0.75            |
| KR 14538         |                           | 25                | 35                | 90                | <1                | 0.58            |
| KR 14539         |                           | 70                | 340               | 530               | 1                 | 0.73            |
| KR 14540         |                           | 300               | 2400              | 400               | 2                 | 1.27            |
| KR 14541         |                           | 15                | 55                | 140               | <1                | 0.68            |
| KR 14542         |                           | 15                | 65                | 260               | <1                | 0.75            |
| KR 14543         |                           | 10                | 55                | 195               | 1                 | 0.54            |
| KR 14544         |                           | 10                | 40                | 125               | 1                 | 0.52            |
| KR 14545         |                           | 20                | 175               | 270               | 1                 | 0.67            |
| KR 14546         |                           | 5                 | 50                | 95                | 1                 | 0.62            |
| KR 14547         |                           | 5                 | 20                | 75                | <1                | 0.61            |
| KR 14548         |                           | 10                | 40                | 150               | <1                | 0.56            |
| KR 14549         |                           | 10                | 25                | 110               | <1                | 0.58            |
| KR 14550         |                           | 20                | 55                | 160               | <1                | 0.47            |
| KR 14551         |                           | 20                | 45                | 120               | <1                | 0.52            |
| KR 14552         |                           | 35                | 40                | 140               | 1                 | 0.49            |
| KR 14553         |                           | 30                | 70                | 250               | <1                | 0.43            |
| KR 14554         |                           | 25                | 40                | 200               | <1                | 0.77            |
| KR 14555         |                           | 30                | 95                | 390               | <1                | 0.58            |
| KR 14556         |                           | 120               | 105               | 280               | <1                | 0.32            |
| KR 14557         |                           | 65                | 30                | 85                | <1                | 0.32            |
| KR 14558         |                           | 40                | 20                | 55                | 1                 | 0.26            |
| KR 14559         |                           | 10                | 20                | 70                | 1                 | 0.25            |
| KR 14560         |                           | 10                | 20                | 30                | 1                 | 0.30            |
| KR 14561         |                           | 15                | 20                | 50                | <1                | 0.32            |
| Detection Limit: |                           | 2                 | 5                 | 2                 | 1                 | 0.01            |

Comments: Ag : Values >25 ppm reassayed by method A101



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Page 4 of 8

Client: GEOPEKO LIMITED,  
Address: P.O. BOX 598  
DEVONPORT, TAS. 7310

Batch Number: B006

Contact: MR. W. HERRMANN

No. of Samples: 94  
Date Received: 02/02/84  
Date Completed: 09/02/84

Order No. K 713, KP 3351 Sample Type: CORE

| SAMPLE NUMBER    | Element<br>Unit<br>Method | As<br>ppm<br>G004 | Au<br>ppb<br>PM205 |  |  |
|------------------|---------------------------|-------------------|--------------------|--|--|
| KR 14532         |                           | 30                | 15                 |  |  |
| KR 14533         |                           | 10                | 5                  |  |  |
| KR 14534         |                           | 9                 | 5                  |  |  |
| KR 14535         |                           | 9                 | <3                 |  |  |
| KR 14536         |                           | 9                 | <3                 |  |  |
| KR 14537         |                           | 12                | 3                  |  |  |
| KR 14538         |                           | 16                | 5                  |  |  |
| KR 14539         |                           | 11                | 3                  |  |  |
| KR 14540         |                           | 44                | 15                 |  |  |
| KR 14541         |                           | 20                | 3                  |  |  |
| KR 14542         |                           | 16                | <3                 |  |  |
| KR 14543         |                           | 16                | 3                  |  |  |
| KR 14544         |                           | 30                | 3                  |  |  |
| KR 14545         |                           | 22                | 3                  |  |  |
| KR 14546         |                           | 18                | 5                  |  |  |
| KR 14547         |                           | 16                | 5                  |  |  |
| KR 14548         |                           | 10                | 10                 |  |  |
| KR 14549         |                           | 12                | 5                  |  |  |
| KR 14550         |                           | 12                | 10                 |  |  |
| KR 14551         |                           | 12                | 5                  |  |  |
| KR 14552         |                           | 20                | 5                  |  |  |
| KR 14553         |                           | 18                | 3                  |  |  |
| KR 14554         |                           | 30                | 3                  |  |  |
| KR 14555         |                           | 24                | <3                 |  |  |
| KR 14556         |                           | 22                | <3                 |  |  |
| KR 14557         |                           | 26                | <3                 |  |  |
| KR 14558         |                           | 16                | 3                  |  |  |
| KR 14559         |                           | 14                | 10                 |  |  |
| KR 14560         |                           | 16                | 3                  |  |  |
| KR 14561         |                           | 22                | 5                  |  |  |
| Detection Limit: |                           | 1                 | 3                  |  |  |

Comments:



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Signatory:

*G J Helmsted*

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Client: GEOPEKO LIMITED,  
Address: P.O. BOX 598  
DEVONPORT, TAS. 7310

Page 5 of 8

Batch Number: B006

Contact: MR. W. HERRMANN

No. of Samples: 94

Order No. K 713, KP 3351

Sample Type: CORE

Date Received: 02/02/84

Date Completed: 09/02/84

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Cu<br>ppm<br>G001 | Pb<br>ppm<br>G001 | Zn<br>ppm<br>G001 | Ag<br>ppm<br>G001 | Fe<br>%<br>G001 |
|------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-----------------|
| KR 14562         |                           | 10                | 20                | 70                | <1                | 0.35            |
| KR 14563         |                           | 10                | 15                | 60                | <1                | 0.30            |
| KR 14564         |                           | 10                | 20                | 100               | <1                | 0.41            |
| KR 14565         |                           | 15                | 25                | 140               | <1                | 0.71            |
| KR 14566         |                           | 15                | 30                | 120               | <1                | 0.77            |
| KR 14567         |                           | 10                | 30                | 95                | <1                | 0.59            |
| KR 14568         |                           | 10                | 25                | 80                | <1                | 0.65            |
| KR 14569         |                           | 10                | 20                | 110               | <1                | 0.63            |
| KR 14570         |                           | 5                 | 30                | 95                | 1                 | 0.44            |
| KR 14571         |                           | 20                | 30                | 105               | <1                | 0.69            |
| KR 14572         |                           | 10                | 40                | 145               | <1                | 0.69            |
| KR 14573         |                           | 10                | 55                | 190               | <1                | 0.39            |
| KR 14574         |                           | 10                | 95                | 290               | <1                | 0.48            |
| KR 14575         |                           | 10                | 50                | 155               | <1                | 0.40            |
| KR 14576         |                           | 35                | 110               | 155               | <1                | 0.43            |
| KR 14577         |                           | 10                | 30                | 95                | <1                | 0.40            |
| KR 14578         |                           | 10                | 20                | 105               | <1                | 0.42            |
| KR 14579         |                           | 20                | 120               | 290               | <1                | 0.32            |
| KR 14580         |                           | 10                | 40                | 180               | <1                | 0.38            |
| KR 14581         |                           | 5                 | 20                | 120               | <1                | 0.31            |
| KR 14582         |                           | 5                 | 30                | 115               | <1                | 0.36            |
| KR 14583         |                           | 5                 | 55                | 125               | <1                | 0.49            |
| KR 14584         |                           | 10                | 220               | 600               | <1                | 0.65            |
| KR 14585         |                           | 10                | 145               | 260               | <1                | 0.60            |
| KR 14586         |                           | 10                | 30                | 165               | <1                | 0.46            |
| KR 14587         |                           | 35                | 20                | 90                | <1                | 0.41            |
| KR 14588         |                           | 5                 | 20                | 80                | <1                | 0.27            |
| KR 14589         |                           | 5                 | 20                | 70                | <1                | 0.30            |
| KR 14590         |                           | 10                | 30                | 150               | <1                | 0.29            |
| KR 14591         |                           | 5                 | 20                | 100               | <1                | 0.29            |
| Detection Limit: |                           | 2                 | 5                 | 2                 | 1                 | 0.01            |

Comments: Ag : Values >25 ppm reassayed by method A101



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Address: P.O. BOX 598  
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Page 6 of 8

Batch Number: B006

Contact: MR. W. HERRMANN

No. of Samples: 94  
Date Received: 02/02/84  
Date Completed: 09/02/84

Order No. K 713, KP 3351 Sample Type: CORE

| SAMPLE NUMBER    | Element Unit Method | As ppm G004 | Au ppb PM205 |   |  |
|------------------|---------------------|-------------|--------------|---|--|
| KR 14562         |                     | 12          | 10           |   |  |
| KR 14563         |                     | 10          | 5            |   |  |
| KR 14564         |                     | 14          | 5            |   |  |
| KR 14565         |                     | 16          | 3            |   |  |
| KR 14566         |                     | 18          | 5            |   |  |
| KR 14567         |                     | 22          | 3            |   |  |
| KR 14568         |                     | 18          | 3            |   |  |
| KR 14569         |                     | 22          | 3            |   |  |
| KR 14570         |                     | 12          | 3            |   |  |
| KR 14571         |                     | 16          | 5            |   |  |
| KR 14572         |                     | 10          | 3            |   |  |
| KR 14573         |                     | 9           | 5            |   |  |
| KR 14574         |                     | 10          | 5            |   |  |
| KR 14575         |                     | 10          | 5            |   |  |
| KR 14576         | ✓                   | 12          | 25           |   |  |
| KR 14577         |                     | 12          | 55           |   |  |
| KR 14578         |                     | 9           | 20           |   |  |
| KR 14579         |                     | 7           | 45           |   |  |
| KR 14580         |                     | 9           | 25           |   |  |
| KR 14581         |                     | 8           | 5            |   |  |
| KR 14582         |                     | 14          | 45           |   |  |
| KR 14583         |                     | 16          | 40           |   |  |
| KR 14584         |                     | 10          | 135          | × |  |
| KR 14585         |                     | 18          | 50           |   |  |
| KR 14586         |                     | 28          | 65           |   |  |
| KR 14587         |                     | 18          | 45           |   |  |
| KR 14588         | ✓                   | 9           | 60           |   |  |
| KR 14589         |                     | 14          | 20           |   |  |
| KR 14590         |                     | 18          | 25           |   |  |
| KR 14591         |                     | 16          | 25           |   |  |
| Detection Limit: |                     | 1           | 3            |   |  |

Comments:



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Client: **GEOPEKO LIMITED,**  
Address: **P.O. BOX 598**  
**DEVONPORT, TAS. 7310**

Page 1 of 6

Batch Number: **B033**

Contact: **MR. W. HERRMANN**

No. of Samples: **75**  
Date Received: **07/02/84**  
Date Completed: **14/02/84**

Order No. **K 715, KP 3355** Sample Type: **CORE**

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Cu          | Pb          | Zn          | Ag          | Fe        |
|------------------|---------------------------|-------------|-------------|-------------|-------------|-----------|
|                  |                           | ppm<br>G001 | ppm<br>G001 | ppm<br>G001 | ppm<br>G001 | %<br>G001 |
| KR 14596         |                           | 50          | 115         | 260         | <1          | 0.38      |
| KR 14597         |                           | 30          | 240         | 640         | 1           | 0.58      |
| KR 14598         |                           | 20          | 160         | 320         | <1          | 0.62      |
| KR 14599         |                           | 10          | 70          | 240         | <1          | 0.61      |
| KR 14600         |                           | 10          | 145         | 330         | <1          | 0.75      |
| KR 14601         |                           | 20          | 100         | 230         | <1          | 0.54      |
| KR 14602         |                           | 10          | 45          | 145         | <1          | 0.34      |
| KR 14603         |                           | 15          | 140         | 310         | <1          | 0.52      |
| KR 14604         |                           | 15          | 85          | 200         | <1          | 0.78      |
| KR 14605         |                           | 10          | 120         | 210         | <1          | 0.70      |
| KR 14606         |                           | 10          | 45          | 145         | <1          | 0.49      |
| KR 14607         |                           | 20          | 200         | 260         | <1          | 0.62      |
| KR 14608         |                           | 15          | 90          | 140         | <1          | 0.89      |
| KR 14609         |                           | 15          | 105         | 180         | <1          | 0.62      |
| KR 14610         |                           | 20          | 75          | 140         | <1          | 0.80      |
| KR 14611         |                           | 100         | 140         | 175         | <1          | 0.64      |
| KR 14612         |                           | 35          | 180         | 440         | <1          | 0.76      |
| KR 14613         |                           | 20          | 130         | 220         | 1           | 1.01      |
| KR 14614         |                           | 35          | 75          | 70          | <1          | 0.93      |
| KR 14615         |                           | 25          | 55          | 120         | <1          | 1.10      |
| KR 14616         |                           | 20          | 45          | 85          | 1           | 0.56      |
| KR 14617         |                           | 20          | 45          | 70          | <1          | 0.62      |
| KR 14618         |                           | 10          | 40          | 105         | <1          | 0.92      |
| KR 14619         |                           | 10          | 40          | 170         | <1          | 1.04      |
| KR 14620         |                           | 20          | 45          | 120         | <1          | 0.98      |
| KR 14621         |                           | 10          | 40          | 125         | <1          | 0.95      |
| KR 14622         |                           | 15          | 55          | 185         | <1          | 0.82      |
| KR 14623         |                           | 10          | 25          | 100         | <1          | 0.49      |
| KR 14624         |                           | 20          | 130         | 210         | <1          | 0.49      |
| KR 14625         |                           | 15          | 210         | 290         | <1          | 0.66      |
| Detection Limit: |                           | 2           | 5           | 2           | 1           | 0.01      |

Comments:

WYACIER 24-2 97-172 metres.



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CONSULTING ANALYTICAL CHEMISTS

## LABORATORY REPORT

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Everton Park, Q. 4053  
Phone: (07) 352 5577  
Telex: ALSEV 42344

Client: GEOPEKO LIMITED,  
Address: P.O. BOX 598  
DEVONPORT, TAS, 7310

Page 2 of 6

Batch Number: B033

Contact: MR. W. HERRMANN

No. of Samples: 75  
Date Received: 07/02/84  
Date Completed: 14/02/84

Order No. K 715, KP 3355 Sample Type: CORE

| SAMPLE NUMBER    | Element<br>Unit<br>Method | As<br>ppm<br>G004 | Au<br>ppb<br>PM205 |  |  |
|------------------|---------------------------|-------------------|--------------------|--|--|
| KR 14596         | 49-0g                     | 6                 | 5                  |  |  |
| KR 14597         |                           | 7                 | 10                 |  |  |
| KR 14598         | 100                       | 6                 | 10                 |  |  |
| KR 14599         |                           | 5                 | 5                  |  |  |
| KR 14600         |                           | 4                 | 5                  |  |  |
| KR 14601         |                           | 4                 | 10                 |  |  |
| KR 14602         |                           | 7                 | 13                 |  |  |
| KR 14603         |                           | 7                 | 13                 |  |  |
| KR 14604         |                           | 5                 | 10                 |  |  |
| KR 14605         |                           | 7                 | 3                  |  |  |
| KR 14606         |                           | 5                 | 3                  |  |  |
| KR 14607         |                           | 5                 | 5                  |  |  |
| KR 14608         | 110                       | 12                | 5                  |  |  |
| KR 14609         |                           | 5                 | 3                  |  |  |
| KR 14610         |                           | 5                 | 3                  |  |  |
| KR 14611         |                           | 8                 | 10                 |  |  |
| KR 14612         |                           | 12                | 10                 |  |  |
| KR 14613         |                           | 8                 | 5                  |  |  |
| KR 14614         |                           | 12                | 10                 |  |  |
| KR 14615         |                           | 10                | 5                  |  |  |
| KR 14616         |                           | 8                 | 5                  |  |  |
| KR 14617         |                           | 9                 | 10                 |  |  |
| KR 14618         | 120                       | 8                 | 5                  |  |  |
| KR 14619         |                           | 9                 | 5                  |  |  |
| KR 14620         |                           | 7                 | 5                  |  |  |
| KR 14621         |                           | 10                | 10                 |  |  |
| KR 14622         |                           | 10                | 5                  |  |  |
| KR 14623         |                           | 8                 | 5                  |  |  |
| KR 14624         |                           | 8                 | 3                  |  |  |
| KR 14625         | 123                       | 7                 | 5                  |  |  |
| Detection Limit: |                           | 1                 | 3                  |  |  |

Comments:



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Telex: ALSEV 42344

Client: GEOPEKO LIMITED,  
Address: P.O. BOX 598  
DEVONPORT, TAS. 7310

Page 3 of 6

Batch Number: B033

Contact: MR. W. HERRMANN

No. of Samples: 75  
Date Received: 07/02/84  
Date Completed: 14/02/84

Order No. K 715, KP 3355 Sample Type: CORE

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Cu<br>ppm<br>G001 | Pb<br>ppm<br>G001 | Zn<br>ppm<br>G001 | Ag<br>ppm<br>G001 | Fe<br>%<br>G001 |
|------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-----------------|
| KR 14626         | .                         | 20                | 30                | 140               | <1                | 0.50            |
| KR 14627         | .                         | 30                | 80                | 200               | <1                | 0.72            |
| KR 14628         | 130                       | 20                | 45                | 105               | <1                | 0.68            |
| KR 14629         | .                         | 80                | 110               | 400               | <1                | 0.45            |
| KR 14630         | .                         | 170               | 390               | 2000              | 4                 | 0.65            |
| KR 14631         | .                         | 65                | 460               | 950               | 1                 | 1.23            |
| KR 14632         | .                         | 45                | 460               | 960               | 1                 | 2.86            |
| KR 14633         | .                         | 30                | 130               | 490               | 1                 | 2.74            |
| KR 14634         | .                         | 50                | 190               | 560               | 1                 | 2.71            |
| KR 14635         | .                         | 115               | 920               | 2400              | <1                | 2.64            |
| KR 14636         | .                         | 70                | 280               | 1600              | <1                | 2.84            |
| KR 14637         | .                         | 20                | 480               | 1150              | <1                | 2.24            |
| KR 14638         | 140                       | 20                | 140               | 540               | <1                | 2.55            |
| KR 14639         | .                         | 40                | 640               | 2000              | 1                 | 2.25            |
| KR 14640         | .                         | 30                | 860               | 2700              | 1                 | 2.37            |
| KR 14641         | .                         | 40                | 1000              | 2800              | 2                 | 2.72            |
| KR 14642         | .                         | 20                | 290               | 500               | 1                 | 1.85            |
| KR 14643         | .                         | 5                 | 620               | 290               | 1                 | 1.90            |
| KR 14644         | .                         | 10                | 320               | 720               | 1                 | 1.77            |
| KR 14645         | .                         | 5                 | 120               | 190               | 1                 | 0.68            |
| KR 14646         | .                         | <2                | 170               | 250               | 1                 | 1.61            |
| KR 14647         | .                         | <2                | 65                | 470               | 1                 | 1.52            |
| KR 14648         | 150                       | 5                 | 200               | 310               | 1                 | 2.10            |
| KR 14649         | .                         | 5                 | 90                | 340               | <1                | 2.05            |
| KR 14650         | .                         | 20                | 120               | 260               | <1                | 2.16            |
| KR 14651         | .                         | 5                 | 35                | 50                | <1                | 0.75            |
| KR 14652         | .                         | <2                | 30                | 35                | <1                | 0.37            |
| KR 14653         | .                         | 5                 | 40                | 50                | <1                | 0.35            |
| KR 14654         | .                         | <2                | 25                | 30                | <1                | 0.43            |
| KR 14655         | .                         | 5                 | 30                | 75                | <1                | 0.89            |
| Detection Limit: |                           | 2                 | 5                 | 2                 | 1                 | 0.01            |

Comments:



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DEVONPORT, TAS. 7310

Page 4 of 6

Contact: MR. W. HERRMANN

Batch Number: B033

Order No. K 715, KP 3355

Sample Type: CORE

No. of Samples: 75  
Date Received: 07/02/84  
Date Completed: 14/02/84

| SAMPLE NUMBER    | Element<br>Unit<br>Method | As<br>ppm<br>G004 | Au<br>ppb<br>PM205 |  |  |  |
|------------------|---------------------------|-------------------|--------------------|--|--|--|
| KR 14626         |                           | 5                 | <3                 |  |  |  |
| KR 14627         |                           | 5                 | 5                  |  |  |  |
| KR 14628         | 130                       | 5                 | 5                  |  |  |  |
| KR 14629         | .                         | 4                 | <3                 |  |  |  |
| KR 14630         | .                         | 10                | 3                  |  |  |  |
| KR 14631         | .                         | 14                | 5                  |  |  |  |
| KR 14632         | .                         | 14                | 10                 |  |  |  |
| KR 14633         | .                         | 14                | 20                 |  |  |  |
| KR 14634         | .                         | 12                | 5                  |  |  |  |
| KR 14635         | .                         | 16                | 10                 |  |  |  |
| KR 14636         | .                         | 16                | 10                 |  |  |  |
| KR 14637         | .                         | 12                | <3                 |  |  |  |
| KR 14638         | 140                       | 12                | 5                  |  |  |  |
| KR 14639         | .                         | 12                | 45                 |  |  |  |
| KR 14640         | .                         | 14                | 60                 |  |  |  |
| KR 14641         | .                         | 16                | 15                 |  |  |  |
| KR 14642         | .                         | 12                | 3                  |  |  |  |
| KR 14643         | .                         | 12                | 3                  |  |  |  |
| KR 14644         | .                         | 14                | 15                 |  |  |  |
| KR 14645         | .                         | 10                | 30                 |  |  |  |
| KR 14646         | .                         | 12                | 10                 |  |  |  |
| KR 14647         | .                         | 12                | 30                 |  |  |  |
| KR 14648         | 150                       | 16                | 10                 |  |  |  |
| KR 14649         | .                         | 12                | 20                 |  |  |  |
| KR 14650         | .                         | 9                 | 20                 |  |  |  |
| KR 14651         | .                         | 5                 | <3                 |  |  |  |
| KR 14652         | .                         | 7                 | <3                 |  |  |  |
| KR 14653         | .                         | 12                | 3                  |  |  |  |
| KR 14654         | .                         | 9                 | <3                 |  |  |  |
| KR 14655         | .                         | 9                 | <3                 |  |  |  |
| Detection Limit: |                           | 1                 | 3                  |  |  |  |

Comments:



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*G J Helmstedt*





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Client: GEOPEKO LIMITED,  
Address: P.O. BOX 598  
DEVONPORT. TAS. 7310

Page 1 of 6

Batch Number: B061

Contact: MR. W. HERRMANN

No. of Samples: 80  
Date Received: 13/02/84  
Date Completed: 23/02/84

Order No. K 722, KP 3364 Sample Type: CORE

| SAMPLE NUMBER    | Element Unit Method | Cu ppm G001 | Pb ppm G001 | Zn ppm G001 | Ag ppm G001 | Fe % G001 |
|------------------|---------------------|-------------|-------------|-------------|-------------|-----------|
| KR 14671         |                     | 10          | 160         | 280         | 1           | 1.22      |
| KR 14672         |                     | 10          | 130         | 45          | 1           | 0.91      |
| KR 14673         |                     | 25          | 155         | 75          | 1           | 1.15      |
| KR 14674         |                     | 25          | 230         | 120         | 1           | 1.27      |
| KR 14675         |                     | 5           | 145         | 95          | <1          | 0.79      |
| KR 14676         |                     | 10          | 100         | 45          | <1          | 1.07      |
| KR 14677         |                     | 50          | 140         | 145         | 1           | 0.96      |
| KR 14678         |                     | 15          | 85          | 90          | <1          | 0.94      |
| KR 14679         |                     | 10          | 80          | 185         | <1          | 0.86      |
| KR 14680         |                     | 5           | 120         | 350         | 1           | 1.02      |
| KR 14681         |                     | 5           | 45          | 50          | 1           | 1.00      |
| KR 14682         |                     | 10          | 115         | 100         | 1           | 0.85      |
| KR 14683         |                     | 5           | 50          | 50          | <1          | 0.70      |
| KR 14684         |                     | 10          | 250         | 210         | <1          | 0.85      |
| KR 14685         |                     | 10          | 120         | 150         | <1          | 1.01      |
| KR 14686         |                     | 10          | 115         | 600         | <1          | 0.87      |
| KR 14687         |                     | 10          | 160         | 570         | <1          | 0.74      |
| KR 14688         |                     | 10          | 70          | 170         | <1          | 0.78      |
| KR 14689         |                     | 15          | 100         | 180         | <1          | 1.01      |
| KR 14690         |                     | 30          | 175         | 520         | <1          | 0.54      |
| KR 14691         |                     | 30          | 220         | 800         | <1          | 1.08      |
| KR 14692         |                     | 30          | 400         | 430         | <1          | 1.39      |
| KR 14693         |                     | 90          | 520         | 300         | <1          | 0.91      |
| KR 14694         |                     | 45          | 310         | 420         | <1          | 0.82      |
| KR 14695         |                     | 20          | 150         | 520         | <1          | 0.81      |
| KR 14696         |                     | 15          | 195         | 480         | <1          | 0.69      |
| KR 14697         |                     | 30          | 105         | 340         | <1          | 0.69      |
| KR 14698         |                     | 25          | 240         | 700         | <1          | 0.82      |
| KR 14699         |                     | 40          | 290         | 280         | <1          | 0.61      |
| KR 14700         |                     | 30          | 260         | 1300        | <1          | 0.69      |
| Detection Limit: |                     | 2           | 5           | 2           | 1           | 0.01      |

Comments:

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Client: GEOPEKO LIMITED,  
Address: P.O. BOX 598  
DEVONPORT, TAS. 7310

Page 2 of 6

Batch Number: B061

Contact: MR. W. HERRMANN

No. of Samples: 80  
Date Received: 13/02/84  
Date Completed: 23/02/84

Order No. K 722, KP 3364 Sample Type: CORE

| SAMPLE NUMBER    | Element<br>Unit<br>Method | As<br>ppm<br>G004 | Au<br>ppb<br>PM205 |  |  |
|------------------|---------------------------|-------------------|--------------------|--|--|
| KR 14671         |                           | 26                | 145                |  |  |
| KR 14672         |                           | 10                | 25                 |  |  |
| KR 14673         |                           | 30                | 85                 |  |  |
| KR 14674         |                           | 18                | 85                 |  |  |
| KR 14675         |                           | 14                | 35                 |  |  |
| KR 14676         |                           | 20                | 70                 |  |  |
| KR 14677         |                           | 24                | 125                |  |  |
| KR 14678         |                           | 8                 | 50                 |  |  |
| KR 14679         |                           | 7                 | 40                 |  |  |
| KR 14680         |                           | 15                | 60                 |  |  |
| KR 14681         |                           | 9                 | 65                 |  |  |
| KR 14682         |                           | 10                | 120                |  |  |
| KR 14683         |                           | 5                 | 65                 |  |  |
| KR 14684         |                           | 10                | 80                 |  |  |
| KR 14685         |                           | 11                | 55                 |  |  |
| KR 14686         |                           | 2                 | 75                 |  |  |
| KR 14687         |                           | 6                 | 150                |  |  |
| KR 14688         |                           | 2                 | 20                 |  |  |
| KR 14689         |                           | 6                 | 30                 |  |  |
| KR 14690         |                           | 2                 | 20                 |  |  |
| KR 14691         |                           | 4                 | 80                 |  |  |
| KR 14692         |                           | 6                 | 100                |  |  |
| KR 14693         |                           | 3                 | 20                 |  |  |
| KR 14694         |                           | 1                 | 35                 |  |  |
| KR 14695         |                           | 2                 | 35                 |  |  |
| KR 14696         |                           | <1                | 40                 |  |  |
| KR 14697         |                           | 75                | 370                |  |  |
| KR 14698         |                           | 4                 | 50                 |  |  |
| KR 14699         |                           | 2                 | 25                 |  |  |
| KR 14700         |                           | <1                | 185                |  |  |
| Detection Limit: |                           | 1                 | 3                  |  |  |

Comments:



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Client: GEOPEKO LIMITED,  
Address: P.O. BOX 598  
DEVONPORT, TAS. 7310

Page 3 of 6

Batch Number: B061

Contact: MR. W. HERRMANN

No. of Samples: 80  
Date Received: 13/02/84  
Date Completed: 23/02/84

Order No. K 722, KP 3364 Sample Type: CORE

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Cu<br>ppm<br>G001 | Pb<br>ppm<br>G001 | Zn<br>ppm<br>G001 | Ag<br>ppm<br>G001 | Fe<br>%<br>G001 |
|------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-----------------|
| KR 14701         |                           | 90                | 840               | 980               | <1                | 0.73            |
| KR 14702         |                           | 15                | 340               | 60                | <1                | 0.80            |
| KR 14703         |                           | 15                | 135               | 75                | <1                | 0.68            |
| KR 14704         |                           | 20                | 85                | 140               | <1                | 0.63            |
| KR 14705         |                           | 30                | 330               | 200               | <1                | 0.67            |
| KR 14706         |                           | 45                | 280               | 135               | <1                | 0.67            |
| KR 14707         |                           | 105               | 780               | 1100              | 1                 | 0.85            |
| KR 14708         |                           | 30                | 330               | 85                | <1                | 0.91            |
| KR 14709         |                           | 25                | 300               | 70                | <1                | 1.38            |
| KR 14710         |                           | 20                | 135               | 55                | <1                | 0.70            |
| KR 14711         |                           | 45                | 420               | 35                | <1                | 0.84            |
| KR 14712         |                           | 40                | 370               | 65                | <1                | 1.34            |
| KR 14713         |                           | 45                | 460               | 55                | <1                | 0.94            |
| KR 14714         |                           | 70                | 1100              | 20                | <1                | 1.01            |
| KR 14715         |                           | 155               | 1100              | 35                | 1                 | 0.79            |
| KR 14716         |                           | 20                | 135               | 20                | <1                | 0.56            |
| KR 14717         |                           | 10                | 110               | 20                | <1                | 0.45            |
| KR 14718         |                           | 10                | 50                | 15                | <1                | 0.44            |
| KR 14719         |                           | 5                 | 60                | 30                | <1                | 0.21            |
| KR 14720         |                           | 55                | 50                | 30                | <1                | 0.40            |
| KR 14721         |                           | 20                | 40                | 30                | 1                 | 2.66            |
| KR 14722         |                           | 20                | 50                | 40                | 1                 | 1.58            |
| KR 14723         |                           | 80                | 170               | 70                | <1                | 0.26            |
| KR 14724         |                           | 40                | 340               | 30                | 1                 | 0.31            |
| KR 14725         |                           | 35                | 120               | 40                | 1                 | 0.30            |
| KR 14726         |                           | 40                | 540               | 30                | 1                 | 0.37            |
| KR 14727         |                           | 10                | 195               | 30                | <1                | 0.43            |
| KR 14728         |                           | 45                | 250               | 20                | 1                 | 0.50            |
| KR 14729         |                           | 60                | 800               | 45                | 1                 | 0.62            |
| KR 14730         |                           | 60                | 145               | 50                | <1                | 0.76            |
| Detection Limit: |                           | 2                 | 5                 | 2                 | 1                 | 0.01            |

Comments:



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Address: P.O. BOX 598  
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Page 4 of 6

Contact: MR. W. HERRMANN

Batch Number: B061

Order No. K 722, KP 3364

Sample Type: CORE

No. of Samples: 80  
Date Received: 13/02/84  
Date Completed: 23/02/84

| SAMPLE NUMBER    | Element Unit Method | As ppm G004 | Au ppb PM205 |
|------------------|---------------------|-------------|--------------|
| KR 14701         |                     | <1          | 2.7ppm       |
| KR 14702         |                     | <1          | 45           |
| KR 14703         |                     | 2           | 40           |
| KR 14704         |                     | 2           | 55           |
| KR 14705         |                     | 2           | 20           |
| KR 14706         |                     | 1           | 20           |
| KR 14707         |                     | 1           | 600          |
| KR 14708         |                     | <1          | 30           |
| KR 14709         |                     | 2           | 25           |
| KR 14710         |                     | <1          | 40           |
| KR 14711         |                     | <1          | 10           |
| KR 14712         |                     | 6           | 20           |
| KR 14713         |                     | 1           | 15           |
| KR 14714         |                     | 3           | 20           |
| KR 14715         |                     | 1           | 950          |
| KR 14716         |                     | <1          | 30           |
| KR 14717         |                     | 2           | 80           |
| KR 14718         |                     | 1           | 110          |
| KR 14719         |                     | 2           | 50           |
| KR 14720         |                     | 6           | 15           |
| KR 14721         |                     | 1           | 45           |
| KR 14722         |                     | 1           | 230          |
| KR 14723         |                     | <1          | 120          |
| KR 14724         |                     | <1          | 15           |
| KR 14725         |                     | 2           | 35           |
| KR 14726         |                     | <1          | 55           |
| KR 14727         |                     | <1          | 10           |
| KR 14728         |                     | 2           | 10           |
| KR 14729         |                     | <1          | <3           |
| KR 14730         |                     | 4           | 10           |
| Detection Limit: |                     | 1           | 3            |

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*With Compliments*  
*Gold value on sample KR 1470 checked out at 1.9 ppm and 3.5 ppm. Coarse Au in these samples*

*Gay Kilmister*

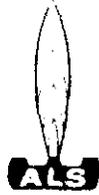
32 Shand Street, Stafford, Brisbane Queensland, Australia 4053

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Address: P.O. BOX 598  
BENHURST, TAS. 7310

Page 5 of 6

Batch Number: 2061

Contact: MR. W. HERRMANN

No. of Samples: 80  
Date Received: 12/02/84

Order No: K 722, RF 3364 Sample Type: CORE

Date Completed: 23/02/84

| SAMPLE NUMBER | Element Unit Method | Cu ppm G001 | Pb ppm G001 | Zn ppm G001 | Ag ppm G001 | Fe % G001 |
|---------------|---------------------|-------------|-------------|-------------|-------------|-----------|
| KR 14731      |                     | 65          | 480         | 50          | <1          | 1.01      |
| KR 14732      |                     | 80          | 50          | 50          | <1          | 0.90      |
| KR 14733      |                     | 10          | 30          | 45          | <1          | 1.24      |
| KR 14734      |                     | 10          | 40          | 40          | 1           | 1.33      |
| KR 14735      |                     | 20          | 120         | 40          | 1           | 1.18      |
| KR 14736      |                     | 5           | 120         | 35          | 1           | 1.01      |
| KR 14737      |                     | 40          | 1000        | 60          | 1           | 0.97      |
| KR 14738      |                     | 80          | 1300        | 150         | 1           | 1.18      |
| KR 14739      |                     | 30          | 220         | 60          | 1           | 1.07      |
| KR 14740      |                     | 35          | 150         | 75          | 1           | 1.07      |
| KR 14741      |                     | 20          | 145         | 60          | 1           | 0.94      |
| KR 14742      |                     | 30          | 270         | 70          | 1           | 1.24      |
| KR 14743      |                     | 10          | 145         | 50          | 1           | 0.87      |
| KR 14744      |                     | 10          | 125         | 40          | 1           | 0.72      |
| KR 14745      |                     | 10          | 90          | 50          | 1           | 0.76      |
| KR 14746      |                     | 15          | 110         | 60          | 1           | 1.21      |
| KR 14747      |                     | 20          | 175         | 65          | 1           | 1.25      |
| KR 14748      |                     | 20          | 210         | 45          | <1          | 1.01      |
| KR 14749      |                     | 15          | 50          | 55          | <1          | 0.76      |
| KR 14750      |                     | 20          | 40          | 50          | <1          | 0.40      |
| Lower Limit   |                     | 2           | 5           | 2           | 1           | 0.01      |

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Address: **P.O. BOX 599**  
**GEORGOPT, TAS. 7310**

Page  of  6

**Batch Number:** 8061

Contact: **MR. M. HERMANN**

No. of Samples: **80**

Order No. **K 728 - KF 3364**

Sample Type: **CORE**

Date Received: **13/02/84**

Date Completed: **23/02/84**

| SAMPLE NUMBER    | Element<br>Unit<br>Method | As          | Au           |  |  |  |
|------------------|---------------------------|-------------|--------------|--|--|--|
|                  |                           | ppm<br>G004 | ppb<br>F0205 |  |  |  |
| KR 14731         |                           | 2           | 10           |  |  |  |
| KR 14732         |                           | <1          | <3           |  |  |  |
| KR 14733         |                           | 2           | 15           |  |  |  |
| KR 14734         |                           | 2           | <3           |  |  |  |
| KR 14735         |                           | <1          | 20           |  |  |  |
| KR 14736         |                           | 2           | <3           |  |  |  |
| KR 14737         |                           | 3           | <3           |  |  |  |
| KR 14738         |                           | 2           | <3           |  |  |  |
| KR 14739         |                           | 2           | 25           |  |  |  |
| KR 14740         |                           | 2           | 35           |  |  |  |
| KR 14741         |                           | <1          | 15           |  |  |  |
| KR 14742         |                           | <1          | 20           |  |  |  |
| KR 14743         |                           | 1           | 15           |  |  |  |
| KR 14744         |                           | 3           | 20           |  |  |  |
| KR 14745         |                           | 2           | 45           |  |  |  |
| KR 14746         |                           | 3           | 40           |  |  |  |
| KR 14747         |                           | 2           | 30           |  |  |  |
| KR 14748         |                           | 2           | 25           |  |  |  |
| KR 14749         |                           | 2           | 10           |  |  |  |
| KR 14750         |                           | 2           | 15           |  |  |  |
| Detection Limit: |                           | 1           | 3            |  |  |  |

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APPENDIX II - BLABORATORY REPORTS : V24-3

|          |   |           |            |
|----------|---|-----------|------------|
| 3-53m    | : | Batch No: | B046       |
| 53-125m  | : | " "       | B078       |
| 125-128m | : | " "       | B046, B102 |
| 128-167m | : | " "       | B078       |

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Client: GEOPEKO LIMITED,  
Address: P.O. BOX 598  
DEVONPORT, TAS. 7310

Page 1 of 4

Batch Number: B046

Contact: MR. W. HERRMANN

No. of Samples: 53

Date Received: 09/02/84

Order No. K 717, KP 3359

Sample Type: CORE

Date Completed: 15/02/84

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Cu<br>ppm<br>G001 | Pb<br>ppm<br>G001 | Zn<br>ppm<br>G001 | Ag<br>ppm<br>G001 | Fe<br>%<br>G001 |
|------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-----------------|
| KR 14251         |                           | 30                | 95                | 85                | <1                | 0.21            |
| KR 14252         |                           | 10                | 30                | 20                | <1                | 0.13            |
| KR 14253         |                           | 20                | 480               | 320               | <1                | 0.31            |
| KR 14254         |                           | 5                 | 330               | 500               | <1                | 0.44            |
| KR 14255         |                           | <2                | 70                | 250               | <1                | 0.38            |
| KR 14256         |                           | <2                | 70                | 290               | <1                | 0.42            |
| KR 14257         |                           | <2                | 45                | 660               | <1                | 0.30            |
| KR 14258         |                           | <2                | 90                | 850               | <1                | 0.31            |
| KR 14259         |                           | <2                | 55                | 760               | <1                | 0.34            |
| KR 14260         |                           | <2                | 40                | 140               | <1                | 0.54            |
| KR 14261         |                           | <2                | 55                | 180               | <1                | 0.34            |
| KR 14262         |                           | <2                | 55                | 180               | <1                | 1.53            |
| KR 14263         |                           | <2                | 115               | 320               | 1                 | 1.17            |
| KR 14264         |                           | <2                | 150               | 380               | <1                | 0.42            |
| KR 14265         |                           | <2                | 480               | 1150              | <1                | 0.34            |
| KR 14266         |                           | <2                | 170               | 470               | <1                | 0.33            |
| KR 14267         |                           | <2                | 190               | 730               | <1                | 0.38            |
| KR 14268         |                           | <2                | 240               | 760               | <1                | 0.63            |
| KR 14269         |                           | <2                | 120               | 460               | <1                | 0.82            |
| KR 14270         |                           | <2                | 200               | 710               | <1                | 0.81            |
| KR 14271         |                           | <2                | 145               | 370               | <1                | 0.68            |
| KR 14272         |                           | <2                | 45                | 165               | <1                | 0.55            |
| KR 14273         |                           | <2                | 120               | 470               | <1                | 0.66            |
| KR 14274         |                           | <2                | 70                | 180               | <1                | 0.67            |
| KR 14275         |                           | <2                | 45                | 145               | <1                | 0.62            |
| KR 14276         |                           | <2                | 20                | 85                | <1                | 0.57            |
| KR 14277         |                           | <2                | 20                | 75                | <1                | 0.61            |
| KR 14278         |                           | <2                | 20                | 90                | <1                | 0.61            |
| KR 14279         |                           | <2                | 110               | 370               | <1                | 0.66            |
| KR 14280         |                           | <2                | 120               | 430               | <1                | 1.00            |
| Detection Limit: |                           | 2                 | 5                 | 2                 | 1                 | 0.01            |

Comments: Pb : Values >1.0% reassayed by Method A101  
Zn : Values >1.0% reassayed by Method A101

VOYAGER 24-3 3-53 m

VOYAGER 24-3 125-128 m



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Address: **P.O. BOX 598**  
**DEVONPORT, TAS. 7310**

Page 2 of 4

**Batch Number: B046**

Contact: **MR. W. HERRMANN**

No. of Samples: **53**  
Date Received: **09/02/84**  
Date Completed: **15/02/84**

Order No. **K 717, KP 3359** Sample Type: **CORE**

| SAMPLE NUMBER    | Element<br>Unit<br>Method | As<br>ppm<br>G004 | Au<br>ppb<br>PM205 |  |  |
|------------------|---------------------------|-------------------|--------------------|--|--|
| KR 14251         |                           | 6                 | 3                  |  |  |
| KR 14252         |                           | 4                 | <3                 |  |  |
| KR 14253         |                           | 12                | 3                  |  |  |
| KR 14254         |                           | 16                | <3                 |  |  |
| KR 14255         |                           | 12                | <3                 |  |  |
| KR 14256         |                           | 14                | <3                 |  |  |
| KR 14257         |                           | 10                | <3                 |  |  |
| KR 14258         |                           | 10                | <3                 |  |  |
| KR 14259         |                           | 9                 | <3                 |  |  |
| KR 14260         |                           | 10                | <3                 |  |  |
| KR 14261         |                           | 10                | <3                 |  |  |
| KR 14262         |                           | 12                | 3                  |  |  |
| KR 14263         |                           | 10                | <3                 |  |  |
| KR 14264         |                           | 10                | <3                 |  |  |
| KR 14265         |                           | 7                 | 3                  |  |  |
| KR 14266         |                           | 9                 | <3                 |  |  |
| KR 14267         |                           | 7                 | 10                 |  |  |
| KR 14268         |                           | 7                 | <3                 |  |  |
| KR 14269         |                           | 5                 | <3                 |  |  |
| KR 14270         |                           | 6                 | <3                 |  |  |
| KR 14271         |                           | 5                 | <3                 |  |  |
| KR 14272         |                           | 7                 | <3                 |  |  |
| KR 14273         |                           | 8                 | <3                 |  |  |
| KR 14274         |                           | 14                | <3                 |  |  |
| KR 14275         |                           | 7                 | <3                 |  |  |
| KR 14276         |                           | 7                 | <3                 |  |  |
| KR 14277         |                           | 8                 | <3                 |  |  |
| KR 14278         |                           | 7                 | <3                 |  |  |
| KR 14279         |                           | 5                 | <3                 |  |  |
| KR 14280         |                           | 7                 | <3                 |  |  |
| Detection Limit: |                           | 1                 | 3                  |  |  |

Comments:



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Client: **GEOPEKO LIMITED,**  
Address: **P.O. BOX 598**  
**DEVONPORT. TAS. 7310**

Page 3 of 4

**Batch Number: B046**

Contact: **MR. W. HERRMANN**

No. of Samples: **53**  
Date Received: **09/02/84**  
Date Completed: **15/02/84**

Order No. **K 717, KP 3359** Sample Type: **CORE**

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Cu<br>ppm<br>G001 | Pb<br>ppm<br>G001 | Zn<br>ppm<br>G001 | Ag<br>ppm<br>G001 | Fe<br>%<br>G001 |
|------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-----------------|
| KR 14281         |                           | <2                | 35                | 125               | <1                | 0.63            |
| KR 14282         |                           | <2                | 40                | 150               | <1                | 0.38            |
| KR 14283         |                           | 5                 | 20                | 75                | <1                | 0.55            |
| KR 14284         |                           | <2                | 25                | 95                | <1                | 0.90            |
| KR 14285         |                           | 5                 | 80                | 220               | <1                | 0.84            |
| KR 14286         |                           | <2                | 30                | 65                | <1                | 0.44            |
| KR 14287         |                           | 5                 | 260               | 440               | 1                 | 0.65            |
| KR 14288         |                           | 130               | 2400              | 4400              | 2                 | 0.90            |
| KR 14289         |                           | 140               | 1250              | 2000              | 1                 | 0.94            |
| KR 14290         |                           | 110               | 1650              | 3000              | 1                 | 1.32            |
| KR 14291         |                           | 15                | 370               | 2000              | 1                 | 0.99            |
| KR 14292         |                           | 5                 | 220               | 520               | <1                | 0.89            |
| KR 14293         |                           | 5                 | 200               | 440               | <1                | 0.90            |
| KR 14294         |                           | 5                 | 210               | 610               | <1                | 0.96            |
| KR 14295         |                           | 5                 | 155               | 440               | <1                | 1.50            |
| KR 14296         |                           | <2                | 70                | 185               | <1                | 0.79            |
| KR 14297         |                           | <2                | 130               | 240               | <1                | 1.18            |
| KR 14298         |                           | 10                | 160               | 350               | <1                | 0.83            |
| KR 14299         |                           | 5                 | 150               | 530               | <1                | 0.74            |
| KR 14300         |                           | 5                 | 320               | 1200              | <1                | 0.86            |
| KR 14373         |                           | 250               | 1.03 %            | 4.09 %            | 2                 | 1.03            |
| KR 14374         |                           | 920               | 6.93 %            | 5.92 %            | 18                | 1.17            |
| KR 14375         |                           | 220               | 5.67 %            | 1.83 %            | 18                | 0.89            |
| Detection Limit: |                           | 2                 | 5                 | 2                 | 1                 | 0.01            |

Comments: Pb : Values >1.0% reassayed by Method A101  
Zn : Values >1.0% reassayed by Method A101

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*[Handwritten Signature]*

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Page 4 of 4

Batch Number: B046

Contact: MR. W. HERRMANN

No. of Samples: 53

Date Received: 09/02/84

Order No. K 717, KP 3359

Sample Type: CORE

Date Completed: 15/02/84

| SAMPLE NUMBER    | Element Unit Method                  | As ppm G004 | Au ppb PM205 | Au (ppm) PM210                |      |
|------------------|--------------------------------------|-------------|--------------|-------------------------------|------|
| KR 14281         |                                      | 7           | <3           |                               |      |
| KR 14282         |                                      | 7           | 3            |                               |      |
| KR 14283         |                                      | 8           | 3            |                               |      |
| KR 14284         |                                      | 7           | 5            |                               |      |
| KR 14285         |                                      | 7           | 10           |                               |      |
| KR 14286         |                                      | 9           | 3            |                               |      |
| KR 14287         |                                      | 350         | 30           |                               |      |
| KR 14288         |                                      | 14          | 210          |                               |      |
| KR 14289         |                                      | 10          | 5            |                               |      |
| KR 14290         |                                      | 10          | 15           |                               |      |
| KR 14291         |                                      | 8           | 10           |                               |      |
| KR 14292         |                                      | 9           | 5            |                               |      |
| KR 14293         |                                      | 9           | 5            |                               |      |
| KR 14294         |                                      | 9           | 10           |                               |      |
| KR 14295         |                                      | 8           | 15           |                               |      |
| KR 14296         |                                      | 7           | 60           |                               |      |
| KR 14297         |                                      | 8           | <3           |                               |      |
| KR 14298         |                                      | 12          | 25           |                               |      |
| KR 14299         |                                      | 10          | 5            |                               |      |
| KR 14300         |                                      | 12          | 25           |                               |      |
| KR 14373         | V243 { 125-126<br>126-127<br>127-128 | 9           | 22.0ppm      | } SUBSEQUENT FIRE ASSAY: 20.3 |      |
| KR 14374         |                                      | 14          | 29.0ppm      |                               | 27.0 |
| KR 14375         |                                      | 80          | 3.4ppm       |                               | 5.3  |
| Detection Limit: |                                      | 1           | 3            |                               |      |

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Page 1 of 3

Batch Number: B078

Contact: MR. W. HERRMANN

No. of Samples: 111  
Date Received: 15/02/84  
Date Completed: 27/02/84

Order No. K 723, KP 3366

Sample Type: CORE

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Cu<br>ppm<br>G001 | Pb<br>ppm<br>G001 | Zn<br>ppm<br>G001 | Ag<br>ppm<br>G001 | Fe<br>%<br>G001 |
|------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-----------------|
| KR 14301         |                           | 10                | 20                | 75                | <1                | 0.96            |
| KR 14302         |                           | 5                 | 105               | 65                | <1                | 2.02            |
| KR 14303         |                           | 15                | 110               | 95                | <1                | 0.63            |
| KR 14304         |                           | 10                | 25                | 85                | <1                | 0.88            |
| KR 14305         |                           | 15                | 330               | 550               | <1                | 0.78            |
| KR 14306         |                           | 20                | 700               | 1550              | <1                | 0.89            |
| KR 14307         |                           | 55                | 900               | 2750              | <1                | 0.88            |
| KR 14308         |                           | 35                | 350               | 1200              | <1                | 0.54            |
| KR 14309         |                           | 25                | 135               | 510               | <1                | 0.85            |
| KR 14310         |                           | 25                | 240               | 590               | <1                | 0.89            |
| KR 14311         |                           | 20                | 240               | 470               | <1                | 0.75            |
| KR 14312         |                           | 60                | 160               | 470               | 1                 | 0.67            |
| KR 14313         |                           | 45                | 310               | 420               | <1                | 0.54            |
| KR 14314         |                           | 25                | 140               | 350               | <1                | 0.48            |
| KR 14315         |                           | 15                | 210               | 270               | 1                 | 0.54            |
| KR 14316         |                           | 10                | 70                | 135               | <1                | 0.60            |
| KR 14317         |                           | 25                | 60                | 145               | <1                | 0.43            |
| KR 14318         |                           | 25                | 240               | 200               | <1                | 0.44            |
| KR 14319         |                           | 70                | 1250              | 1150              | <1                | 0.38            |
| KR 14320         |                           | 95                | 860               | 1100              | <1                | 0.59            |
| KR 14321         |                           | 60                | 440               | 220               | <1                | 0.36            |
| KR 14322         |                           | 75                | 320               | 240               | <1                | 0.38            |
| KR 14323         |                           | 80                | 680               | 520               | <1                | 0.52            |
| KR 14324         |                           | 80                | 560               | 740               | <1                | 0.70            |
| KR 14325         |                           | 70                | 165               | 580               | 1                 | 0.36            |
| KR 14326         |                           | 70                | 250               | 740               | 1                 | 0.37            |
| KR 14327         |                           | 30                | 200               | 360               | 1                 | 0.46            |
| KR 14328         |                           | 25                | 250               | 230               | <1                | 0.41            |
| KR 14329         |                           | 70                | 370               | 900               | <1                | 0.84            |
| KR 14330         |                           | 35                | 250               | 270               | <1                | 0.74            |
| Detection Limit: |                           | 2                 | 5                 | 2                 | 1                 | 0.01            |

Comments:

V24 - 3

53 - 125 metres

128 - 167 metres



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CONSULTING ANALYTICAL CHEMISTS

## LABORATORY REPORT

Office & Laboratory  
32 Shand Street  
Stafford, Q. 4053  
PO Box 66,  
Everton Park, Q. 4053  
Phone: (07) 352 5577  
Telex: ALSEV 42344

Client: GEOPEKO LIMITED,  
Address: P.O. BOX 598  
DEVONPORT, TAS. 7310

Page 2 of 8

Batch Number: B078

Contact: MR. W. HERRMANN

No. of Samples: 111  
Date Received: 15/02/84  
Date Completed: 27/02/84

Order No. K 723, KP 3366

Sample Type: CORE

| SAMPLE NUMBER    | Element<br>Unit<br>Method | As<br>ppm<br>G004 | Au<br>ppb<br>PM205 |  |  |
|------------------|---------------------------|-------------------|--------------------|--|--|
| KR 14301         |                           | 14                | 25                 |  |  |
| KR 14302         |                           | 10                | 15                 |  |  |
| KR 14303         |                           | 14                | 20                 |  |  |
| KR 14304         |                           | 9                 | 20                 |  |  |
| KR 14305         |                           | 10                | 20                 |  |  |
| KR 14306         |                           | 16                | 20                 |  |  |
| KR 14307         |                           | 14                | 30                 |  |  |
| KR 14308         |                           | 14                | 65                 |  |  |
| KR 14309         |                           | 16                | 85                 |  |  |
| KR 14310         |                           | 10                | 55                 |  |  |
| KR 14311         |                           | 10                | 30                 |  |  |
| KR 14312         |                           | 12                | 35                 |  |  |
| KR 14313         |                           | 10                | 170                |  |  |
| KR 14314         |                           | 9                 | 300                |  |  |
| KR 14315         |                           | 10                | 40                 |  |  |
| KR 14316         |                           | 14                | 40                 |  |  |
| KR 14317         |                           | 12                | 70                 |  |  |
| KR 14318         |                           | 8                 | 95                 |  |  |
| KR 14319         |                           | 7                 | 55                 |  |  |
| KR 14320         |                           | 8                 | 30                 |  |  |
| KR 14321         |                           | 75                | 15                 |  |  |
| KR 14322         |                           | 10                | 25                 |  |  |
| KR 14323         |                           | 38                | 25                 |  |  |
| KR 14324         |                           | 12                | 30                 |  |  |
| KR 14325         |                           | 100               | 10                 |  |  |
| KR 14326         |                           | 12                | 120                |  |  |
| KR 14327         |                           | 12                | 40                 |  |  |
| KR 14328         |                           | 12                | 45                 |  |  |
| KR 14329         |                           | 80                | 30                 |  |  |
| KR 14330         |                           | 10                | 50                 |  |  |
| Detection Limit: |                           | 1                 | 3                  |  |  |

Comments:



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Signatory: *G J Helmstedt*

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## LABORATORY REPORT

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Client: GEOPEKO LIMITED,  
Address: P.O. BOX 598  
DEVONPORT, TAS. 7310

Page 3 of 8

Batch Number: B078

Contact: MR. W. HERRMANN

No. of Samples: 111  
Date Received: 15/02/84  
Date Completed: 27/02/84

Order No. K 723, KP 3366

Sample Type: CORE

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Cu<br>ppm<br>G001 | Pb<br>ppm<br>G001 | Zn<br>ppm<br>G001 | Ag<br>ppm<br>G001 | Fe<br>%<br>G001 |
|------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-----------------|
| KR 14331         |                           | 35                | 460               | 370               | <1                | 0.71            |
| KR 14332         |                           | 40                | 840               | 460               | <1                | 0.90            |
| KR 14333         |                           | 25                | 230               | 340               | <1                | 1.51            |
| KR 14334         |                           | 25                | 560               | 350               | <1                | 0.93            |
| KR 14335         |                           | 30                | 330               | 340               | <1                | 1.13            |
| KR 14336         |                           | 80                | 540               | 510               | <1                | 1.10            |
| KR 14337         |                           | 520               | 330               | 540               | <1                | 1.09            |
| KR 14338         |                           | 35                | 95                | 370               | <1                | 1.36            |
| KR 14339         |                           | 20                | 120               | 220               | <1                | 1.32            |
| KR 14340         |                           | 45                | 180               | 480               | <1                | 1.13            |
| KR 14341         |                           | 20                | 65                | 270               | <1                | 0.98            |
| KR 14342         |                           | 15                | 90                | 165               | <1                | 0.93            |
| KR 14343         |                           | 25                | 70                | 260               | <1                | 1.18            |
| KR 14344         |                           | 25                | 125               | 210               | <1                | 0.95            |
| KR 14345         |                           | 15                | 185               | 175               | 1                 | 1.13            |
| KR 14346         |                           | 30                | 480               | 1950              | 2                 | 4.39            |
| KR 14347         |                           | 95                | 780               | 460               | 1                 | 0.79            |
| KR 14348         |                           | 120               | 1550              | 110               | 1                 | 0.54            |
| KR 14349         |                           | 85                | 780               | 185               | 1                 | 0.86            |
| KR 14350         |                           | 80                | 840               | 90                | 1                 | 1.23            |
| KR 14351         |                           | 65                | 440               | 70                | 1                 | 0.64            |
| KR 14352         |                           | 40                | 135               | 135               | 1                 | 0.76            |
| KR 14353         |                           | 85                | 460               | 180               | 1                 | 0.86            |
| KR 14354         |                           | 50                | 210               | 135               | 1                 | 0.74            |
| KR 14355         |                           | 40                | 240               | 50                | 1                 | 0.58            |
| KR 14356         |                           | 650               | 110               | 280               | 2                 | 1.60            |
| KR 14357         |                           | 35                | 270               | 200               | 1                 | 1.14            |
| KR 14358         |                           | 30                | 210               | 170               | 1                 | 0.82            |
| KR 14359         |                           | 50                | 400               | 190               | 1                 | 0.75            |
| KR 14360         |                           | 90                | 1100              | 350               | 4                 | 0.65            |
| Detection Limit: |                           | 2                 | 5                 | 2                 | 1                 | 0.01            |

Comments:



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DEVONPORT, TAS. 7310

Page 4 of 8

Batch Number: B078

Contact: MR. W. HERRMANN

No. of Samples: 111  
Date Received: 15/02/84  
Date Completed: 27/02/84

Order No. K 723, KP 3366

Sample Type: CORE

| SAMPLE NUMBER    | Element<br>Unit<br>Method | As          | Au           |  |  |  |
|------------------|---------------------------|-------------|--------------|--|--|--|
|                  |                           | ppm<br>G004 | ppb<br>PM205 |  |  |  |
| KR 14331         |                           | 14          | 80           |  |  |  |
| KR 14332         |                           | 9           | 150          |  |  |  |
| KR 14333         |                           | 12          | 95           |  |  |  |
| KR 14334         |                           | 12          | 35           |  |  |  |
| KR 14335         |                           | 20          | 35           |  |  |  |
| KR 14336         |                           | 22          | 20           |  |  |  |
| KR 14337         |                           | 44          | 260          |  |  |  |
| KR 14338         |                           | 230         | 35           |  |  |  |
| KR 14339         |                           | 18          | 40           |  |  |  |
| KR 14340         |                           | 12          | 120          |  |  |  |
| KR 14341         |                           | 10          | 120          |  |  |  |
| KR 14342         |                           | 12          | 60           |  |  |  |
| KR 14343         |                           | 12          | 10           |  |  |  |
| KR 14344         |                           | 9           | 15           |  |  |  |
| KR 14345         |                           | 14          | 15           |  |  |  |
| KR 14346         |                           | 10          | 15           |  |  |  |
| KR 14347         |                           | 9           | 20           |  |  |  |
| KR 14348         |                           | 10          | 30           |  |  |  |
| KR 14349         |                           | 12          | 15           |  |  |  |
| KR 14350         |                           | 9           | 20           |  |  |  |
| KR 14351         |                           | 12          | 95           |  |  |  |
| KR 14352         |                           | 8           | 125          |  |  |  |
| KR 14353         |                           | 9           | 25           |  |  |  |
| KR 14354         |                           | 9           | 20           |  |  |  |
| KR 14355         |                           | 12          | 20           |  |  |  |
| KR 14356         |                           | 28          | 35           |  |  |  |
| KR 14357         |                           | 10          | 165          |  |  |  |
| KR 14358         |                           | 6           | 25           |  |  |  |
| KR 14359         |                           | 8           | 20           |  |  |  |
| KR 14360         |                           | 12          | 60           |  |  |  |
| Detection Limit: |                           | 1           | 3            |  |  |  |

Comments:



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Page 5 of 8

Batch Number: B078

Contact: MR. W. HERRMANN

No. of Samples: 111  
Date Received: 15/02/84  
Date Completed: 27/02/84

Order No. K 723, KP 3366

Sample Type: CORE

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Cu<br>ppm<br>G001 | Pb<br>ppm<br>G001 | Zn<br>ppm<br>G001 | Ag<br>ppm<br>G001 | Fe<br>%<br>G001 |
|------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-----------------|
| KR 14361         |                           | 50                | 440               | 680               | 1                 | 1.14            |
| KR 14362         |                           | 145               | 860               | 810               | 2                 | 1.02            |
| KR 14363         |                           | 65                | 440               | 290               | 1                 | 1.05            |
| KR 14364         |                           | 160               | 1100              | 580               | 2                 | 1.35            |
| KR 14365         |                           | 70                | 330               | 380               | 1                 | 0.87            |
| KR 14366         |                           | 30                | 40                | 90                | 1                 | 0.72            |
| KR 14367         |                           | 115               | 150               | 145               | 1                 | 1.12            |
| KR 14368         |                           | 260               | 105               | 70                | 1                 | 0.92            |
| KR 14369         |                           | 65                | 50                | 65                | <1                | 0.93            |
| KR 14370         |                           | 105               | 70                | 110               | 1                 | 0.74            |
| KR 14371         |                           | 90                | 190               | 110               | <1                | 0.71            |
| KR 14372         |                           | 55                | 60                | 60                | <1                | 0.86            |
| KR 14376         |                           | 40                | 5400              | 135               | 4                 | 1.06            |
| KR 14377         |                           | 30                | 195               | 170               | 1                 | 0.77            |
| KR 14378         |                           | 70                | 180               | 260               | <1                | 1.86            |
| KR 14379         |                           | 35                | 50                | 180               | <1                | 1.09            |
| KR 14380         |                           | 10                | 40                | 150               | <1                | 1.51            |
| KR 14381         |                           | 5                 | 20                | 60                | <1                | 0.67            |
| KR 14382         |                           | 10                | 35                | 110               | <1                | 1.12            |
| KR 14383         |                           | 10                | 45                | 310               | <1                | 2.19            |
| KR 14384         |                           | 20                | 40                | 80                | <1                | 1.09            |
| KR 14385         |                           | 35                | 45                | 100               | <1                | 1.20            |
| KR 14386         |                           | 35                | 40                | 105               | <1                | 1.28            |
| KR 14387         |                           | 25                | 25                | 100               | <1                | 1.13            |
| KR 14388         |                           | 15                | 30                | 80                | 1                 | 1.42            |
| KR 14389         |                           | 25                | 40                | 115               | 1                 | 1.17            |
| KR 14390         |                           | 40                | 20                | 115               | 1                 | 1.15            |
| KR 14391         |                           | 10                | 25                | 60                | 1                 | 0.74            |
| KR 14392         |                           | 10                | 20                | 90                | <1                | 1.06            |
| KR 14393         |                           | 5                 | 10                | 90                | <1                | 1.34            |
| Detection Limit: |                           | 2                 | 5                 | 2                 | 1                 | 0.01            |

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*G J Kilmister*

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Australian Laboratory Services PTY. LTD.  
CONSULTING ANALYTICAL CHEMISTS  
LABORATORY REPORT

Page 6 of 8

Contact: MR. W. HERRMANN

Batch Number: B078

Order No. K 723, KP 3366

Sample Type: CORE

No. of Samples: 111  
Date Received: 15/02/84  
Date Completed: 27/02/84

| SAMPLE NUMBER    | Element Unit Method | As ppm G004 | Au ppb PM205 | Batch Number |
|------------------|---------------------|-------------|--------------|--------------|
| KR 14361         |                     | 12          | 45           |              |
| KR 14362         |                     | 20          | 55           |              |
| KR 14363         |                     | 30          | 65           |              |
| KR 14364         |                     | 18          | 125          |              |
| KR 14365         |                     | 26          | 45           |              |
| KR 14366         |                     | 38          | 30           |              |
| KR 14367         |                     | 22          | 115          |              |
| KR 14368         |                     | 8           | 15           |              |
| KR 14369         |                     | 18          | 75           |              |
| KR 14370         |                     | 7           | 3            |              |
| KR 14371         |                     | 16          | 25           |              |
| KR 14372         |                     | 8           | 20           |              |
| KR 14376         |                     | 240         | 70           |              |
| KR 14377         |                     | 390         | 60           |              |
| KR 14378         |                     | 26          | 70           |              |
| KR 14379         |                     | 8           | 680          |              |
| KR 14380         |                     | 14          | 180          |              |
| KR 14381         |                     | 7           | 145          |              |
| KR 14382         |                     | 14          | 95           |              |
| KR 14383         |                     | 9           | 55           |              |
| KR 14384         |                     | 16          | 70           |              |
| KR 14385         |                     | 20          | 30           |              |
| KR 14386         |                     | 10          | 35           |              |
| KR 14387         |                     | 10          | 20           |              |
| KR 14388         |                     | 55          | 65           |              |
| KR 14389         |                     | 16          | 680          |              |
| KR 14390         |                     | 34          | 115          |              |
| KR 14391         |                     | 26          | 150          |              |
| KR 14392         |                     | 20          | 210          |              |
| KR 14393         |                     | 10          | 145          |              |
| Detection Limit: |                     | 1           | 3            |              |

Comments:



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APPENDIX II - CLABORATORY REPORTS : V24-4

|          |   |           |      |
|----------|---|-----------|------|
| 4-84m    | : | Batch No: | B123 |
| 84-112m  | : | " "       | B143 |
| 112-148m | : | " "       | B123 |
| 148-220m | : | " "       | B143 |

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Telex: ALSEV 42344

Client: GEOPEKO LIMITED,  
Address: P.O. BOX 598  
DEVONPORT, TAS. 7310

Page 1 of 8

Batch Number: B123

Contact: MR. W. HERRMANN

No. of Samples: 112  
Date Received: 23/02/84  
Date Completed: 02/03/84

Order No. K 725, KP 3372 Sample Type: CORE

| SAMPLE NUMBER    | Element Unit Method | Cu ppm G001 | Pb ppm G001 | Zn ppm G001 | Ag ppm G001 | Fe % G001 |
|------------------|---------------------|-------------|-------------|-------------|-------------|-----------|
| KR 13251         |                     | 15          | 120         | 125         | 1           | 0.81      |
| KR 13252         |                     | 35          | 35          | 140         | 1           | 0.38      |
| KR 13253         |                     | 30          | 85          | 330         | 1           | 0.30      |
| KR 13254         |                     | 15          | 40          | 110         | 1           | 0.28      |
| KR 13255         |                     | 190         | 1050        | 320         | 1           | 0.97      |
| KR 13256         |                     | 120         | 680         | 1200        | 1           | 0.39      |
| KR 13257         |                     | 85          | 290         | 400         | 1           | 0.36      |
| KR 13258         |                     | 25          | 100         | 155         | <1          | 0.20      |
| KR 13259         |                     | 35          | 330         | 790         | 1           | 0.38      |
| KR 13260         |                     | 45          | 640         | 1450        | 1           | 0.31      |
| KR 13261         |                     | 50          | 440         | 760         | 1           | 0.29      |
| KR 13262         |                     | 70          | 50          | 125         | 1           | 0.36      |
| KR 13263         |                     | 30          | 50          | 100         | 1           | 0.37      |
| KR 13264         |                     | 40          | 145         | 185         | <1          | 0.32      |
| KR 13265         |                     | 40          | 300         | 730         | <1          | 0.27      |
| KR 13266         |                     | 55          | 320         | 430         | <1          | 0.27      |
| KR 13267         |                     | 25          | 70          | 35          | <1          | 0.21      |
| KR 13268         |                     | 15          | 30          | 35          | <1          | 0.31      |
| KR 13269         |                     | 15          | 30          | 35          | <1          | 0.35      |
| KR 13270         |                     | 15          | 50          | 60          | 1           | 0.31      |
| KR 13271         |                     | 15          | 95          | 90          | <1          | 0.28      |
| KR 13272         |                     | 20          | 60          | 80          | <1          | 0.31      |
| KR 13273         |                     | 40          | 55          | 130         | <1          | 0.31      |
| KR 13274         |                     | 30          | 55          | 100         | <1          | 0.29      |
| KR 13275         |                     | 25          | 65          | 155         | <1          | 0.29      |
| KR 13276         |                     | 20          | 30          | 65          | <1          | 0.57      |
| KR 13277         |                     | 10          | 25          | 45          | <1          | 0.66      |
| KR 13278         |                     | 20          | 110         | 65          | <1          | 0.72      |
| KR 13279         |                     | 10          | 30          | 60          | <1          | 0.80      |
| KR 13280         |                     | 35          | 320         | 195         | <1          | 0.86      |
| Detection Limit: |                     | 2           | 5           | 2           | 1           | 0.01      |

Comments:

VOYAGER 2A-4 4 - 84 m.  
112 - 148 m.



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Page 2 of 3

Batch Number: B123

Contact: MR. W. HERRMANN

No. of Samples: 112  
Date Received: 23/02/84

Order No. K 725, KP 3372

Sample Type: CORE

Date Completed: 02/03/84

| SAMPLE NUMBER    | Element<br>Unit<br>Method | As<br>ppm<br>G004 | Au<br>ppb<br>PM205 |  |  |
|------------------|---------------------------|-------------------|--------------------|--|--|
| KR 13251         |                           | 18                | 25                 |  |  |
| KR 13252         |                           | 12                | 20                 |  |  |
| KR 13253         |                           | 6                 | 15                 |  |  |
| KR 13254         |                           | 6                 | 25                 |  |  |
| KR 13255         |                           | 34                | 50                 |  |  |
| KR 13256         |                           | 10                | 25                 |  |  |
| KR 13257         |                           | 9                 | 20                 |  |  |
| KR 13258         |                           | 8                 | 15                 |  |  |
| KR 13259         |                           | 12                | 15                 |  |  |
| KR 13260         |                           | 6                 | 10                 |  |  |
| KR 13261         |                           | 6                 | 15                 |  |  |
| KR 13262         |                           | 7                 | 30                 |  |  |
| KR 13263         |                           | 34                | 20                 |  |  |
| KR 13264         |                           | 14                | 20                 |  |  |
| KR 13265         |                           | 4                 | 15                 |  |  |
| KR 13266         |                           | 3                 | 10                 |  |  |
| KR 13267         |                           | 3                 | 25                 |  |  |
| KR 13268         |                           | 3                 | 25                 |  |  |
| KR 13269         |                           | 3                 | 50                 |  |  |
| KR 13270         |                           | 2                 | 25                 |  |  |
| KR 13271         |                           | 6                 | 20                 |  |  |
| KR 13272         |                           | 3                 | 25                 |  |  |
| KR 13273         |                           | 3                 | 70                 |  |  |
| KR 13274         |                           | 4                 | 20                 |  |  |
| KR 13275         |                           | 3                 | 25                 |  |  |
| KR 13276         |                           | 4                 | 25                 |  |  |
| KR 13277         |                           | 4                 | 10                 |  |  |
| KR 13278         |                           | 3                 | 10                 |  |  |
| KR 13279         |                           | 3                 | 10                 |  |  |
| KR 13280         |                           | 5                 | 25                 |  |  |
| Detection Limit: |                           | 1                 | 3                  |  |  |

Comments:



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Address: P.O. BOX 598  
DEVONPORT, TAS. 7310

Page 3 of 8

Batch Number: B123

Contact: MR. W. HERRMANN

No. of Samples: 112  
Date Received: 23/02/84  
Date Completed: 02/03/84

Order No. K 725, KP 3372

Sample Type: CORE

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Cu<br>ppm<br>G001 | Pb<br>ppm<br>G001 | Zn<br>ppm<br>G001 | Ag<br>ppm<br>G001 | Fe<br>%<br>G001 |
|------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-----------------|
| KR 13281         |                           | 45                | 480               | 65                | <1                | 0.58            |
| KR 13282         |                           | 150               | 720               | 105               | <1                | 0.26            |
| KR 13283         |                           | 45                | 230               | 75                | <1                | 0.35            |
| KR 13284         |                           | 30                | 250               | 55                | <1                | 0.29            |
| KR 13285         |                           | 30                | 190               | 50                | <1                | 0.18            |
| KR 13286         |                           | 40                | 190               | 70                | <1                | 0.27            |
| KR 13287         |                           | 30                | 180               | 70                | <1                | 0.32            |
| KR 13288         |                           | 15                | 90                | 85                | <1                | 0.31            |
| KR 13289         |                           | 30                | 180               | 80                | <1                | 0.25            |
| KR 13290         |                           | 75                | 350               | 65                | <1                | 0.28            |
| KR 13291         |                           | 60                | 240               | 70                | <1                | 0.25            |
| KR 13292         |                           | 25                | 40                | 55                | <1                | 0.25            |
| KR 13293         |                           | 25                | 35                | 55                | <1                | 0.56            |
| KR 13294         |                           | 20                | 40                | 85                | <1                | 0.19            |
| KR 13295         |                           | 10                | 25                | 65                | <1                | 0.23            |
| KR 13296         |                           | 15                | 30                | 50                | <1                | 0.32            |
| KR 13297         |                           | 10                | 45                | 50                | <1                | 0.40            |
| KR 13298         |                           | 10                | 45                | 230               | <1                | 0.41            |
| KR 13299         |                           | 10                | 150               | 240               | <1                | 0.44            |
| KR 13300         |                           | 5                 | 70                | 95                | <1                | 0.22            |
| KR 13301         |                           | 5                 | 40                | 50                | <1                | 0.29            |
| KR 13302         |                           | 20                | 120               | 100               | <1                | 0.26            |
| KR 13303         |                           | 25                | 90                | 100               | <1                | 0.32            |
| KR 13304         |                           | 20                | 70                | 50                | 1                 | 0.31            |
| KR 13305         |                           | 15                | 65                | 40                | <1                | 0.33            |
| KR 13306         |                           | 80                | 70                | 55                | <1                | 0.30            |
| KR 13307         |                           | 15                | 95                | 60                | <1                | 0.26            |
| KR 13308         |                           | 20                | 80                | 55                | <1                | 0.19            |
| KR 13309         |                           | 20                | 50                | 70                | <1                | 0.32            |
| KR 13310         |                           | 20                | 35                | 25                | <1                | 0.32            |
| Detection Limit: |                           | 2                 | 5                 | 2                 | 1                 | 0.01            |

Comments:



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Signatory:

*G J Kilmister*

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## LABORATORY REPORT

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Phone: (07) 352 5577  
Telex: ALSEV 42344

Client: GEOPEKO LIMITED,  
Address: P.O. BOX 598  
DEVONPORT, TAS. 7310

Page 4 of 8

Batch Number: 8123

Contact: MR. W. HERRMANN

No. of Samples: 112  
Date Received: 23/02/84  
Date Completed: 02/03/84

Order No. K 725, KP 3372

Sample Type: CORE

| SAMPLE NUMBER    | Element<br>Unit<br>Method | As          | Au           |  |  |  |
|------------------|---------------------------|-------------|--------------|--|--|--|
|                  |                           | ppm<br>G004 | ppb<br>PM205 |  |  |  |
| KR 13281         |                           | 7           | 20           |  |  |  |
| KR 13282         |                           | 6           | 115          |  |  |  |
| KR 13283         |                           | 3           | 15           |  |  |  |
| KR 13284         |                           | 10          | 20           |  |  |  |
| KR 13285         |                           | 5           | 25           |  |  |  |
| KR 13286         |                           | 5           | 25           |  |  |  |
| KR 13287         |                           | 6           | 35           |  |  |  |
| KR 13288         |                           | 5           | 10           |  |  |  |
| KR 13289         |                           | 4           | 15           |  |  |  |
| KR 13290         |                           | 5           | 80           |  |  |  |
| KR 13291         |                           | 4           | 45           |  |  |  |
| KR 13292         |                           | 5           | 20           |  |  |  |
| KR 13293         |                           | 3           | 45           |  |  |  |
| KR 13294         |                           | 12          | 110          |  |  |  |
| KR 13295         |                           | 3           | 10           |  |  |  |
| KR 13296         |                           | 5           | 30           |  |  |  |
| KR 13297         |                           | 7           | 35           |  |  |  |
| KR 13298         |                           | 10          | 15           |  |  |  |
| KR 13299         |                           | 10          | 30           |  |  |  |
| KR 13300         |                           | 7           | 20           |  |  |  |
| KR 13301         |                           | 7           | 15           |  |  |  |
| KR 13302         |                           | 6           | 10           |  |  |  |
| KR 13303         |                           | 5           | 10           |  |  |  |
| KR 13304         |                           | 8           | 5            |  |  |  |
| KR 13305         |                           | 5           | 10           |  |  |  |
| KR 13306         |                           | 8           | 15           |  |  |  |
| KR 13307         |                           | 12          | 35           |  |  |  |
| KR 13308         |                           | 8           | 210          |  |  |  |
| KR 13309         |                           | 8           | 20           |  |  |  |
| KR 13310         |                           | 9           | 35           |  |  |  |
| Detection Limit: |                           | 1           | 3            |  |  |  |

Comments:



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Page 5 of 8

Batch Number: B123

Contact: MR. W. HERRMANN

No. of Samples: 112  
Date Received: 23/02/84  
Date Completed: 02/03/84

Order No. K 725, KP 3372

Sample Type: CORE

| SAMPLE NUMBER    | Element Unit Method | Cu ppm G001 | Pb ppm G001 | Zn ppm G001 | Ag ppm G001 | Fe % G001 |
|------------------|---------------------|-------------|-------------|-------------|-------------|-----------|
| KR 13311         |                     | 15          | 40          | 45          | <1          | 0.63      |
| KR 13312         |                     | 15          | 35          | 60          | <1          | 0.54      |
| KR 13313         |                     | 10          | 20          | 40          | <1          | 0.54      |
| KR 13314         |                     | 10          | 15          | 25          | <1          | 0.81      |
| KR 13315         |                     | 10          | 25          | 40          | <1          | 0.59      |
| KR 13316         |                     | 10          | 15          | 45          | <1          | 0.67      |
| KR 13317         |                     | 35          | 105         | 250         | 1           | 0.57      |
| KR 13318         |                     | 15          | 15          | 30          | <1          | 0.67      |
| KR 13319         |                     | 45          | 170         | 200         | 1           | 0.57      |
| KR 13320         |                     | 95          | 75          | 165         | 1           | 0.32      |
| KR 13321         |                     | 185         | 120         | 260         | 1           | 0.41      |
| KR 13322         |                     | 60          | 360         | 680         | <1          | 0.44      |
| KR 13323         |                     | 25          | 110         | 200         | <1          | 0.54      |
| KR 13324         |                     | 20          | 60          | 95          | <1          | 0.36      |
| KR 13325         |                     | 15          | 45          | 80          | <1          | 0.38      |
| KR 13326         |                     | 25          | 880         | 1150        | 1           | 0.43      |
| KR 13355         |                     | 60          | 130         | 600         | 1           | 0.77      |
| KR 13356         |                     | 120         | 150         | 560         | <1          | 0.94      |
| KR 13357         |                     | 35          | 90          | 460         | 1           | 0.83      |
| KR 13358         |                     | 45          | 120         | 150         | 1           | 0.88      |
| KR 13359         |                     | 25          | 95          | 135         | <1          | 0.68      |
| KR 13360         |                     | 30          | 80          | 115         | <1          | 0.73      |
| KR 13361         |                     | 15          | 50          | 115         | <1          | 0.68      |
| KR 13362         |                     | 15          | 55          | 115         | <1          | 0.72      |
| KR 13363         |                     | 30          | 60          | 90          | <1          | 0.79      |
| KR 13364         |                     | 15          | 75          | 220         | <1          | 0.64      |
| KR 13365         |                     | 15          | 45          | 120         | <1          | 1.09      |
| KR 13366         |                     | 15          | 45          | 310         | 1           | 1.36      |
| KR 13367         |                     | 10          | 40          | 160         | <1          | 1.22      |
| KR 13368         |                     | 10          | 70          | 270         | <1          | 1.04      |
| Detection Limit: |                     | 2           | 5           | 2           | 1           | 0.01      |

Comments:

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Client: GEOPEKO LIMITED,  
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DEVONPORT, TAS. 7310

Page 6 of 8

Batch Number: B123

Contact: MR. W. HERRMANN

No. of Samples: 112  
Date Received: 23/02/84  
Date Completed: 02/03/84

Order No. K 725, KP 3372 Sample Type: CORE

| SAMPLE NUMBER    | Element<br>Unit<br>Method | As          | Au           |   |  |
|------------------|---------------------------|-------------|--------------|---|--|
|                  |                           | ppm<br>G004 | ppb<br>PM205 |   |  |
| KR 13311         |                           | 6           | 10           |   |  |
| KR 13312         |                           | 18          | 3            |   |  |
| KR 13313         |                           | 7           | 3            |   |  |
| KR 13314         |                           | 6           | 15           |   |  |
| KR 13315         |                           | 7           | 30           |   |  |
| KR 13316         |                           | 5           | 10           |   |  |
| KR 13317         |                           | 12          | 15           |   |  |
| KR 13318         |                           | 10          | 20           |   |  |
| KR 13319         |                           | 18          | <3           |   |  |
| KR 13320         |                           | 12          | 15           |   |  |
| KR 13321         |                           | 10          | 20           |   |  |
| KR 13322         |                           | 24          | 30           |   |  |
| KR 13323         |                           | 12          | 15           |   |  |
| KR 13324         |                           | 14          | 15           |   |  |
| KR 13325         |                           | 22          | 10           |   |  |
| KR 13326         |                           | 12          | 25           |   |  |
| KR 13355         |                           | 14          | 160          | * |  |
| KR 13356         |                           | 8           | 50           |   |  |
| KR 13357         |                           | 18          | 50           |   |  |
| KR 13358         |                           | 22          | 35           |   |  |
| KR 13359         |                           | 12          | 65           |   |  |
| KR 13360         |                           | 7           | 85           |   |  |
| KR 13361         |                           | 14          | 220          |   |  |
| KR 13362         |                           | 12          | 175          |   |  |
| KR 13363         |                           | 6           | 85           |   |  |
| KR 13364         |                           | 7           | 60           |   |  |
| KR 13365         |                           | 8           | 45           |   |  |
| KR 13366         |                           | 7           | 50           |   |  |
| KR 13367         |                           | 7           | 185          |   |  |
| KR 13368         |                           | 6           | 145          |   |  |
| Detection Limit: |                           | 1           | 3            |   |  |

Comments:



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*G J Helmstedt*



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Address: P.O. BOX 598  
DEVONPORT, TAS. 7310

Page 8 of 8

Batch Number: B123

Contact: MR. W. HERRMANN

No. of Samples: 112

Order No. K 725, KP 3372

Sample Type: CORE

Date Received: 23/02/84

Date Completed: 02/03/84

| SAMPLE NUMBER    | Element Unit Method | As ppm G004 | Au ppb PM205 |
|------------------|---------------------|-------------|--------------|
| KR 13369         |                     | 8           | 110          |
| KR 13370         |                     | 7           | 140          |
| KR 13371         |                     | 9           | 260          |
| KR 13372         |                     | 5           | 185          |
| KR 13373         |                     | 5           | 120          |
| KR 13374         |                     | 5           | 220          |
| KR 13375         |                     | 7           | 80           |
| KR 13376         |                     | 6           | 50           |
| KR 13377         |                     | 12          | 110          |
| KR 13378         |                     | 9           | 40           |
| KR 13379         |                     | 7           | 65           |
| KR 13380         |                     | 10          | 35           |
| KR 13381         |                     | 8           | 55           |
| KR 13382         |                     | 9           | 55           |
| KR 13383         |                     | 5           | 115          |
| KR 13384         |                     | 6           | 100          |
| KR 13385         |                     | 6           | 70           |
| KR 13386         |                     | 7           | 35           |
| KR 13387         |                     | 9           | 100          |
| KR 13388         |                     | 8           | 150          |
| KR 13389         |                     | 8           | 40           |
| KR 13390         |                     | 7           | 45           |
| Detection Limit: |                     | 1           | 3            |

Comments:



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DEVONPORT, TAS. 7310

Page 1 of 8

Batch Number: B143

Contact: MR. W. HERRMANN

No. of Samples: 100  
Date Received: 27/02/84  
Date Completed: 02/03/84

Order No. K 778, KP 3374

Sample Type: CORE

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Cu<br>ppm<br>G001 | Pb<br>ppm<br>G001 | Zn<br>ppm<br>G001 | Ag<br>ppm<br>G001 | Fe<br>%<br>G001 |
|------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-----------------|
| KR 13327         |                           | 20                | 580               | 830               | 1                 | 0.49            |
| KR 13328         |                           | 10                | 125               | 290               | <1                | 0.34            |
| KR 13329         |                           | 15                | 330               | 540               | <1                | 0.40            |
| KR 13330         |                           | 10                | 65                | 230               | <1                | 0.38            |
| KR 13331         |                           | 20                | 7600              | 8200              | 8                 | 0.44            |
| KR 13332         |                           | 15                | 110               | 180               | 1                 | 0.97            |
| KR 13333         |                           | 10                | 190               | 280               | <1                | 0.52            |
| KR 13334         |                           | 10                | 220               | 450               | <1                | 0.44            |
| KR 13335         |                           | 10                | 40                | 65                | <1                | 0.33            |
| KR 13336         |                           | 10                | 105               | 155               | <1                | 0.28            |
| KR 13337         |                           | 10                | 45                | 85                | <1                | 0.38            |
| KR 13338         |                           | 25                | 85                | 160               | <1                | 0.44            |
| KR 13339         |                           | 5                 | 30                | 45                | <1                | 0.52            |
| KR 13340         |                           | 5                 | 30                | 60                | <1                | 0.68            |
| KR 13341         |                           | 5                 | 40                | 40                | <1                | 0.71            |
| KR 13342         |                           | 5                 | 40                | 55                | <1                | 0.22            |
| KR 13343         |                           | 5                 | 55                | 80                | <1                | 0.38            |
| KR 13344         |                           | 10                | 40                | 130               | <1                | 0.68            |
| KR 13345         |                           | 10                | 25                | 85                | <1                | 0.49            |
| KR 13346         |                           | 5                 | 20                | 60                | <1                | 0.38            |
| KR 13347         |                           | 45                | 560               | 930               | 1                 | 0.32            |
| KR 13348         |                           | 15                | 80                | 320               | <1                | 0.47            |
| KR 13349         |                           | 15                | 50                | 270               | <1                | 0.72            |
| KR 13350         |                           | 15                | 50                | 115               | <1                | 0.54            |
| KR 13351         |                           | 10                | 55                | 50                | <1                | 0.51            |
| KR 13352         |                           | 10                | 50                | 95                | <1                | 0.64            |
| KR 13353         |                           | 5                 | 60                | 80                | <1                | 0.84            |
| KR 13354         |                           | 70                | 460               | 1200              | <1                | 0.77            |
| KR 13391         |                           | 15                | 40                | 60                | 1                 | 1.18            |
| KR 13392         |                           | 20                | 75                | 240               | <1                | 1.34            |
| Detection Limit: |                           | 2                 | 5                 | 2                 | 1                 | 0.01            |

Comments:

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148 - 270 m.



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DEVONPORT, TAS. 7310

Page 2 of 8

Batch Number: B143

Contact: MR. W. HERRMANN

No. of Samples: 100  
Date Received: 27/02/84  
Date Completed: 02/03/84

Order No. K 778, KP 3374

Sample Type: CORE

| SAMPLE NUMBER    | Element Unit Method | As       | Au        |  |  |
|------------------|---------------------|----------|-----------|--|--|
|                  |                     | ppm G004 | ppb PM205 |  |  |
| KR 13327         |                     | 7        | 25        |  |  |
| KR 13328         |                     | 4        | 3         |  |  |
| KR 13329         |                     | 3        | 10        |  |  |
| KR 13330         |                     | 8        | 10        |  |  |
| KR 13331         |                     | 10       | 10        |  |  |
| KR 13332         |                     | 5        | 10        |  |  |
| KR 13333         |                     | 4        | 15        |  |  |
| KR 13334         |                     | 3        | 5         |  |  |
| KR 13335         |                     | 4        | 5         |  |  |
| KR 13336         |                     | 8        | 20        |  |  |
| KR 13337         |                     | 4        | <3        |  |  |
| KR 13338         |                     | 6        | 35        |  |  |
| KR 13339         |                     | 4        | 5         |  |  |
| KR 13340         |                     | 4        | 3         |  |  |
| KR 13341         |                     | 4        | 10        |  |  |
| KR 13342         |                     | 7        | 10        |  |  |
| KR 13343         |                     | 6        | 10        |  |  |
| KR 13344         |                     | 4        | <3        |  |  |
| KR 13345         |                     | 11       | <3        |  |  |
| KR 13346         |                     | 14       | <3        |  |  |
| KR 13347         |                     | 16       | 10        |  |  |
| KR 13348         |                     | 12       | 10        |  |  |
| KR 13349         |                     | 5        | 3         |  |  |
| KR 13350         |                     | 4        | 5         |  |  |
| KR 13351         |                     | 6        | 3         |  |  |
| KR 13352         |                     | 4        | 10        |  |  |
| KR 13353         |                     | 6        | 35        |  |  |
| KR 13354         |                     | 6        | 3.5ppm    |  |  |
| KR 13391         |                     | 9        | 5         |  |  |
| KR 13392         |                     | 8        | 10        |  |  |
| Detection Limit: |                     | 1        | 3         |  |  |

Comments:



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Page 3 of 8

Batch Number: B143

Contact: MR. W. HERRMANN

No. of Samples: 100  
Date Received: 27/02/84  
Date Completed: 02/03/84

Order No. K 778, KP 3374

Sample Type: CORE

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Cu<br>ppm<br>G001 | Pb<br>ppm<br>G001 | Zn<br>ppm<br>G001 | Ag<br>ppm<br>G001 | Fe<br>%<br>G001 |
|------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-----------------|
| KR 13393         |                           | 15                | 175               | 410               | <1                | 1.15            |
| KR 13394         |                           | 5                 | 140               | 150               | <1                | 1.02            |
| KR 13395         |                           | 10                | 70                | 125               | 1                 | 1.57            |
| KR 13396         |                           | 15                | 65                | 145               | <1                | 1.70            |
| KR 13397         |                           | 15                | 30                | 200               | <1                | 1.49            |
| KR 13398         |                           | 25                | 35                | 170               | <1                | 1.59            |
| KR 13399         |                           | 85                | 250               | 460               | <1                | 0.84            |
| KR 13400         |                           | 10                | 90                | 125               | <1                | 0.90            |
| KR 13401         |                           | 5                 | 65                | 80                | <1                | 1.36            |
| KR 13402         |                           | 5                 | 105               | 430               | <1                | 1.54            |
| KR 13403         |                           | 5                 | 40                | 50                | <1                | 1.81            |
| KR 13404         |                           | 10                | 45                | 60                | <1                | 1.56            |
| KR 13405         |                           | 15                | 65                | 90                | 1                 | 1.55            |
| KR 13406         |                           | 5                 | 65                | 75                | 1                 | 1.51            |
| KR 13407         |                           | 5                 | 50                | 95                | <1                | 1.03            |
| KR 13408         |                           | 5                 | 70                | 115               | 1                 | 1.27            |
| KR 13409         |                           | 5                 | 50                | 220               | 1                 | 1.11            |
| KR 13410         |                           | 5                 | 20                | 95                | 1                 | 1.10            |
| KR 13411         |                           | 2                 | 30                | 135               | 1                 | 1.54            |
| KR 13412         |                           | 2                 | 135               | 140               | 1                 | 1.34            |
| KR 13413         |                           | 5                 | 150               | 150               | 1                 | 1.72            |
| KR 13414         |                           | 5                 | 45                | 150               | 1                 | 1.99            |
| KR 13415         |                           | 5                 | 65                | 160               | <1                | 1.32            |
| KR 13416         |                           | 5                 | 50                | 115               | <1                | 1.42            |
| KR 13417         |                           | 10                | 80                | 230               | 1                 | 1.53            |
| KR 13418         |                           | 10                | 180               | 175               | 1                 | 0.97            |
| KR 13419         |                           | 5                 | 80                | 200               | <1                | 1.56            |
| KR 13420         |                           | 5                 | 40                | 195               | 1                 | 1.92            |
| KR 13421         |                           | 5                 | 40                | 300               | 1                 | 2.39            |
| KR 13422         |                           | 30                | 70                | 370               | 1                 | 2.85            |
| Detection Limit: |                           | 2                 | 5                 | 2                 | 1                 | 0.01            |

Comments:



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Signatory:

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Laboratory

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in Queensland

# Australian Laboratory Services PTY. LTD.

CONSULTING ANALYTICAL CHEMISTS

## LABORATORY REPORT

### Office & Laboratory

32 Shand Street  
Stafford, Q. 4053  
PO Box 66,  
Everton Park, Q. 4053  
Phone: (07) 352 5577  
Telex: ALSEV 42344

Page 4 of 8

Client: GEOPEKO LIMITED,  
Address: P.O. BOX 598  
DEVONPORT, TAS. 7310

Batch Number: B143

Contact: MR. W. HERRMANN

No. of Samples: 100  
Date Received: 27/02/84  
Date Completed: 02/03/84

Order No. K 778, KP 3374 Sample Type: CORE

| SAMPLE NUMBER    | Element<br>Unit<br>Method | As<br>ppm<br>G004 | Au<br>ppb<br>Pm205 |  |  |
|------------------|---------------------------|-------------------|--------------------|--|--|
| KR 13393         |                           | 7                 | 5                  |  |  |
| KR 13394         |                           | 8                 | 3                  |  |  |
| KR 13395         |                           | 9                 | 5                  |  |  |
| KR 13396         |                           | 7                 | 5                  |  |  |
| KR 13397         |                           | 6                 | 5                  |  |  |
| KR 13398         |                           | 5                 | 5                  |  |  |
| KR 13399         |                           | 5                 | 10                 |  |  |
| KR 13400         |                           | 5                 | 10                 |  |  |
| KR 13401         |                           | 4                 | 15                 |  |  |
| KR 13402         |                           | 8                 | 5                  |  |  |
| KR 13403         |                           | 7                 | 10                 |  |  |
| KR 13404         |                           | 7                 | 5                  |  |  |
| KR 13405         |                           | 60                | 5                  |  |  |
| KR 13406         |                           | 46                | 5                  |  |  |
| KR 13407         |                           | 34                | 20                 |  |  |
| KR 13408         |                           | 14                | 10                 |  |  |
| KR 13409         |                           | 16                | 25                 |  |  |
| KR 13410         |                           | 16                | 95                 |  |  |
| KR 13411         |                           | 9                 | 125                |  |  |
| KR 13412         |                           | 14                | 150                |  |  |
| KR 13413         |                           | 12                | 70                 |  |  |
| KR 13414         |                           | 20                | 50                 |  |  |
| KR 13415         |                           | 14                | 45                 |  |  |
| KR 13416         |                           | 14                | 55                 |  |  |
| KR 13417         |                           | 16                | 15                 |  |  |
| KR 13418         |                           | 10                | 5                  |  |  |
| KR 13419         |                           | 12                | 50                 |  |  |
| KR 13420         |                           | 14                | 105                |  |  |
| KR 13421         |                           | 12                | 20                 |  |  |
| KR 13422         |                           | 9                 | 70                 |  |  |
| Detection Limit: |                           | 1                 | 3                  |  |  |

Comments:



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Signatory:

*G J Kilmister*

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## LABORATORY REPORT

### Office & Laboratory

32 Shand Street  
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PO Box 66,  
Everton Park, Q. 4053  
Phone: (07) 352 5577  
Telex: ALSEV 42344

Client: GEOPEKO LIMITED,  
Address: P.O. BOX 598  
DEVONPORT, TAS. 7310

Page 5 of 8

Batch Number: B143

Contact: MR. W. HERRMANN

No. of Samples: 100  
Date Received: 27/02/84  
Date Completed: 02/03/84

Order No. K 778, KP 3374

Sample Type: CORE

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Cu<br>ppm<br>G001 | Pb<br>ppm<br>G001 | Zn<br>ppm<br>G001 | Ag<br>ppm<br>G001 | Fe<br>%<br>G001 |
|------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-----------------|
| KR 13423         |                           | 35                | 155               | 280               | <1                | 2.24            |
| KR 13424         |                           | 10                | 130               | 390               | 1                 | 2.67            |
| KR 13425         |                           | 45                | 800               | 1200              | 1                 | 3.37            |
| KR 13426         |                           | 5                 | 340               | 190               | 1                 | 1.62            |
| KR 13427         |                           | 10                | 70                | 175               | 1                 | 2.30            |
| KR 13428         |                           | 45                | 130               | 200               | <1                | 1.91            |
| KR 13429         |                           | 10                | 45                | 125               | 1                 | 1.66            |
| KR 13430         |                           | 10                | 210               | 210               | <1                | 1.73            |
| KR 13431         |                           | 20                | 70                | 185               | 1                 | 1.97            |
| KR 13432         |                           | 30                | 20                | 190               | <1                | 2.08            |
| KR 13433         |                           | 10                | 40                | 135               | 1                 | 1.83            |
| KR 13434         |                           | 30                | 280               | 170               | <1                | 1.73            |
| KR 13435         |                           | 25                | 95                | 150               | 1                 | 2.30            |
| KR 13436         |                           | 40                | 95                | 175               | <1                | 2.49            |
| KR 13437         |                           | 25                | 55                | 170               | <1                | 2.08            |
| KR 13438         |                           | 5                 | 140               | 125               | <1                | 1.93            |
| KR 13439         |                           | 5                 | 40                | 210               | <1                | 2.10            |
| KR 13440         |                           | 10                | 70                | 230               | <1                | 2.44            |
| KR 13441         |                           | 5                 | 40                | 185               | <1                | 2.19            |
| KR 13442         |                           | 5                 | 30                | 270               | <1                | 1.76            |
| KR 13443         |                           | 5                 | 50                | 360               | <1                | 2.21            |
| KR 13444         |                           | 10                | 25                | 155               | <1                | 2.06            |
| KR 13445         |                           | 15                | 30                | 105               | <1                | 1.56            |
| KR 13446         |                           | 15                | 25                | 130               | <1                | 1.51            |
| KR 13447         |                           | 20                | 25                | 120               | 1                 | 1.74            |
| KR 13448         |                           | 10                | 25                | 105               | 1                 | 2.05            |
| KR 13449         |                           | 25                | 25                | 135               | <1                | 1.98            |
| KR 13450         |                           | 5                 | 30                | 85                | 1                 | 1.32            |
| KR 13451         |                           | 10                | 25                | 75                | 1                 | 1.46            |
| KR 13452         |                           | 5                 | 35                | 95                | <1                | 1.43            |
| Detection Limit: |                           | 2                 | 5                 | 2                 | 1                 | 0.01            |

Comments:



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Signatory: *G J Helmstedt*

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## LABORATORY REPORT

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Telex: ALSEV 42344

Client: GEOPEKO LIMITED.  
Address: P.O. BOX 598  
DEVONPORT, TAS. 7310

Page 6 of 8

**Batch Number:** B143

Contact: MR. W. HERRMANN

No. of Samples: 100  
Date Received: 27/02/84  
Date Completed: 02/03/84

Order No. K 778, KP 3374      Sample Type: CORE

| SAMPLE NUMBER    | Element<br>Unit<br>Method | As<br>ppm<br>G004 | Au<br>ppb<br>PM205 |  |  |
|------------------|---------------------------|-------------------|--------------------|--|--|
| KR 13423         |                           | 9                 | 5                  |  |  |
| KR 13424         |                           | 16                | 5                  |  |  |
| KR 13425         |                           | 12                | 25                 |  |  |
| KR 13426         |                           | 14                | 30                 |  |  |
| KR 13427         |                           | 14                | 10                 |  |  |
| KR 13428         |                           | 9                 | 10                 |  |  |
| KR 13429         |                           | 12                | <3                 |  |  |
| KR 13430         |                           | 12                | 5                  |  |  |
| KR 13431         |                           | 10                | 3                  |  |  |
| KR 13432         |                           | 10                | <3                 |  |  |
| KR 13433         |                           | 9                 | 10                 |  |  |
| KR 13434         |                           | 10                | 3                  |  |  |
| KR 13435         |                           | 18                | 10                 |  |  |
| KR 13436         |                           | 10                | 5                  |  |  |
| KR 13437         |                           | 10                | <3                 |  |  |
| KR 13438         |                           | 12                | 3                  |  |  |
| KR 13439         |                           | 10                | <3                 |  |  |
| KR 13440         |                           | 20                | 10                 |  |  |
| KR 13441         |                           | 18                | <3                 |  |  |
| KR 13442         |                           | 12                | <3                 |  |  |
| KR 13443         |                           | 10                | <3                 |  |  |
| KR 13444         |                           | 10                | 5                  |  |  |
| KR 13445         |                           | 9                 | 5                  |  |  |
| KR 13446         |                           | 10                | 5                  |  |  |
| KR 13447         |                           | 10                | 3                  |  |  |
| KR 13448         |                           | 10                | <3                 |  |  |
| KR 13449         |                           | 12                | 5                  |  |  |
| KR 13450         |                           | 9                 | <3                 |  |  |
| KR 13451         |                           | 10                | <3                 |  |  |
| KR 13452         |                           | 8                 | <3                 |  |  |
| Detection Limit: |                           | 1                 | 3                  |  |  |

Comments:



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Signatory:

*G J Helmstedt*

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# Australian Laboratory Services PTY. LTD.

CONSULTING ANALYTICAL CHEMISTS

## LABORATORY REPORT

Office & Laboratory  
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Everton Park, Q. 4053  
Phone: (07) 352 5577  
Telex: ALSEV 42344

Client: GEOPEKO LIMITED,  
Address: P.O. BOX 598  
DEVONPORT, TAS. 7310

Page 7 of 8

Batch Number: B143

Contact: MR. W. HERRMANN

No. of Samples: 100  
Date Received: 27/02/84  
Date Completed: 02/03/84

Order No. K 778, KP 3374

Sample Type: CORE

| SAMPLE NUMBER    | Element Unit Method | Cu ppm G001 | Pb ppm G001 | Zn ppm G001 | Ag ppm G001 | Fe % G001 |
|------------------|---------------------|-------------|-------------|-------------|-------------|-----------|
| KR 13453         |                     | 30          | 70          | 120         | <1          | 1.46      |
| KR 13454         |                     | 15          | 70          | 175         | 1           | 2.55      |
| KR 13455         |                     | 5           | 30          | 200         | 1           | 3.31      |
| KR 13456         |                     | 5           | 30          | 195         | <1          | 2.90      |
| KR 13457         |                     | 10          | 30          | 185         | <1          | 2.50      |
| KR 13458         |                     | 10          | 280         | 430         | <1          | 1.89      |
| KR 13459         |                     | 5           | 120         | 210         | <1          | 2.35      |
| KR 13460         |                     | 2           | 50          | 160         | <1          | 1.83      |
| KR 13461         |                     | 2           | 40          | 50          | <1          | 0.92      |
| KR 13462         |                     | 25          | 330         | 460         | 1           | 2.14      |
| Detection Limit: |                     | 2           | 5           | 2           | 1           | 0.01      |

Comments:



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Signatory: *G.J. Kilmister*



APPENDIX IIILABORATORY REPORTS

V 24 Hand Auger Geochemical Results

Batch Nos: M060, A072, A076, A123, B023

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OFFICE & LABORATORY  
P.O. BOX 66  
EVERTON PARK QLD 4053

LABORATORY REPORT

Ph 07 3525577  
TELEX ALSEV 42344



Batch No.: M060 Client: GEOPEKO LIMITED, Area Contact: MR. J. PEMBERTON  
 Address: P.O. BOX 217, Address: P.O. BOX 598  
 Date Received 12/12/83 GORDON, DEVONPORT, TAS. 7310  
 Date Completed 20/12/83 N.S.W. 2072  
 Order No.: K 856, KP 3328 Sample Type: SOIL No. of Samples: 215

| SAMPLE NO. | Cu   | Pb   | Zn   | Ag   | Fe   | Au         | ELEMENTS<br>UNITS<br>METHODS |
|------------|------|------|------|------|------|------------|------------------------------|
|            | g    | g    | g    | g    | %    | g          |                              |
|            | G001 | G001 | G001 | G001 | G001 | b<br>PM204 |                              |
| TS 23751   | 5    | 15   | 5    | 1    | 0.12 | <3         |                              |
| TS 23752   | 5    | 5    | 10   | <1   | 0.16 | <3         |                              |
| TS 23753   | 5    | 5    | 5    | 1    | 0.37 | <3         |                              |
| TS 23754   | <2   | 20   | 2    | <1   | 0.10 | <3         |                              |
| TS 23755   | <2   | 5    | 2    | <1   | 580  | m 3        |                              |
| TS 23756   | <2   | 5    | 10   | <1   | 780  | m <3       |                              |
| TS 23757   | <2   | 10   | 2    | 1    | 640  | m <3       |                              |
| TS 23758   | 5    | 10   | 2    | <1   | 240  | m <3       |                              |
| TS 23759   | <2   | <5   | 10   | <1   | 780  | m 10       |                              |
| TS 23760   | 5    | 10   | 10   | 1    | 0.20 | 3          |                              |
| TS 23761   | <2   | 5    | 10   | <1   | 640  | m <3       |                              |
| TS 23762   | 2    | 5    | 10   | <1   | 0.15 | <3         |                              |
| TS 23763   | <2   | 5    | 2    | <1   | 620  | m <3       |                              |
| TS 23764   | <2   | 110  | 20   | 1    | 0.20 | <3         |                              |
| TS 23765   | 2    | 10   | 10   | <1   | 0.10 | <3         |                              |
| TS 23766   | <2   | 10   | 10   | <1   | 0.10 | <3         |                              |
| TS 23767   | <2   | 10   | 10   | <1   | 840  | m <3       |                              |
| TS 23768   | <2   | 10   | 10   | <1   | 800  | m <3       |                              |
| TS 23769   | <2   | 10   | 10   | <1   | 860  | m 15       |                              |
| TS 23770   | 2    | 10   | 5    | <1   | 0.10 | <3         |                              |
| TS 23771   | <2   | 10   | 10   | <1   | 680  | m 5        |                              |
| TS 23772   | 2    | 10   | 10   | 1    | 520  | m <3       |                              |
| TS 23773   | <2   | 10   | 20   | 1    | 0.11 | <3         |                              |
| TS 23774   | <2   | 30   | 10   | 1    | 0.10 | <3         |                              |
| TS 23775   | 2    | 10   | 20   | <1   | 980  | m <3       |                              |
| TS 23776   | <2   | 10   | 10   | 1    | 0.12 | <3         |                              |
| TS 23777   | <2   | 10   | 15   | <1   | 0.10 | <3         |                              |
| TS 23778   | 2    | 10   | 10   | 1    | 860  | m <3       |                              |
| TS 23779   | <2   | 10   | 10   | <1   | 500  | m 1.2      |                              |
| TS 23780   | <2   | 15   | 10   | <1   | 5.10 | <3         |                              |

UNITS LEGEND: g - Parts per million, % - Percent, g - Grams, a - Assayance

Signature: *[Handwritten Signature]*



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OFFICE & LABORATORY  
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EVERTON PARK QLD 4053  
Ph 07 3525577  
TELEX ALSEV 42344

LABORATORY REPORT

Batch No.: M060 Client: GEOPEKO LIMITED, Area Contact: MR. J. PEMBERTON  
Address: P.O. BOX 217, Address: P.O. BOX 598  
Date Received 12/12/83 GORDON, DEVONPORT, TAS. 7310  
Date Completed 20/12/83 N.S.W. 2072  
Order No.: K 856, KP 3328 Sample Type: SOIL No. of Samples: 215

| SAMPLE NO. | Cu        | Pb        | Zn        | Ag        | Fe        | Au         | ELEMENTS<br>UNITS<br>METHODS |
|------------|-----------|-----------|-----------|-----------|-----------|------------|------------------------------|
|            | m<br>G001 | m<br>G001 | m<br>G001 | m<br>G001 | %<br>G001 | b<br>PM204 |                              |
| TS 23781   | <2        | 10        | 10        | <1        | 0.11      | <3         |                              |
| TS 23782   | <2        | 15        | 10        | 1         | 0.52      | <3         |                              |
| TS 23783   | 2         | 15        | 25        | <1        | 0.13      | <3         |                              |
| TS 23784   | <2        | 15        | 20        | 1         | 0.23      | <3         |                              |
| TS 23785   | <2        | 10        | 15        | <1        | 0.12      | <3         |                              |
| TS 23786   | <2        | 10        | 15        | <1        | 0.30      | <3         |                              |
| TS 23787   | <2        | 15        | 20        | 1         | 0.37      | <3         |                              |
| TS 23788   | <2        | 10        | 15        | 1         | 0.30      | <3         |                              |
| TS 23789   | <2        | 10        | 10        | 1         | 0.17      | <3         |                              |
| TS 23790   | <2        | 10        | 10        | 1         | 0.17      | <3         |                              |
| TS 23791   | <2        | 10        | 10        | <1        | 0.16      | <3         |                              |
| TS 23792   | <2        | 10        | 10        | 1         | 0.11      | 15         |                              |
| TS 23793   | 2         | 10        | 10        | <1        | 0.13      | 110        |                              |
| TS 23794   | <2        | 10        | 5         | <1        | 580       | m 65       |                              |
| TS 23795   | 2         | 10        | 5         | <1        | 760       | m <3       |                              |
| TS 23796   | <2        | 10        | 2         | <1        | 540       | m 20       |                              |
| TS 23797   | 2         | 10        | 2         | 1         | 680       | m 105      |                              |
| TS 23798   | <2        | 10        | 5         | <1        | 260       | m 95       |                              |
| TS 23799   | 2         | 15        | 2         | <1        | 320       | m 220      |                              |
| TS 23800   | 2         | 10        | 10        | 1         | 260       | m 10       |                              |
| TS 23801   | <2        | 10        | 5         | 1         | 200       | m <3       |                              |
| TS 23802   | 2         | 15        | 2         | <1        | 320       | m <3       |                              |
| TS 23803   | 2         | 10        | 10        | 1         | 0.13      | 5          |                              |
| TS 23804   | 2         | 10        | 10        | 1         | 0.14      | <3         |                              |
| TS 23805   | 10        | 20        | 10        | 1         | 0.11      | 85         |                              |
| TS 23806   | <2        | 10        | 10        | <1        | 740       | m 200      |                              |
| TS 23807   | 2         | 10        | 2         | <1        | 0.15      | 50         |                              |
| TS 23808   | <2        | <5        | 10        | 1         | 780       | m 25       |                              |
| TS 23809   | 2         | <5        | 10        | <1        | 640       | m 15       |                              |
| TS 23810   | 2         | 80        | 20        | <1        | 540       | m 25       |                              |

UNITS LEGEND --- m - Parts per million b - Parts per billion x - percent  
g - Grams a - Absorbance

Signature: *J. Pemberton*



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Ph 07 3525577  
TELEX ALSEV 42344

Batch No.: M060      Client: GEOPEKO LIMITED,      Area Contact: MR. J. PENBERTON  
Address: P.O. BOX 217,      Address: P.O. BOX 598  
Date Received 12/12/83      GORDON,      DEVONPORT,      TAS.      7310  
Date Completed 20/12/83      N.S.W.      2072  
Order No.: K 856, KP 3328      Sample Type: SOIL      No. of Samples: 215

| SAMPLE NO. | Cu   |   | Pb   |   | Zn   |   | Ag   |   | Fe   |   | Au |       | ELEMENTS<br>UNITS<br>METHODS |
|------------|------|---|------|---|------|---|------|---|------|---|----|-------|------------------------------|
|            | m    | % | m    | % | m    | % | m    | % | %    | % | m  | b     |                              |
|            | G001 |   | G001 |   | G001 |   | G001 |   | G001 |   |    | PM204 |                              |
| TS 23841   | <2   |   | 10   |   | 10   |   | <1   |   | 740  |   | m  | <3    |                              |
| TS 23842   | <2   |   | 15   |   | 35   |   | <1   |   | 0.10 |   |    | 15    |                              |
| TS 23843   | <2   |   | 10   |   | 10   |   | <1   |   | 0.10 |   |    | <3    |                              |
| TS 23844   | <2   |   | 5    |   | 10   |   | <1   |   | 290  |   | m  | <3    |                              |
| TS 23845   | <2   |   | 10   |   | 10   |   | <1   |   | 300  |   | m  | <3    |                              |
| TS 23846   | <2   |   | 40   |   | 20   |   | 1    |   | 700  |   | m  | <3    |                              |
| TS 23847   | <2   |   | 20   |   | 10   |   | <1   |   | 0.14 |   |    | <3    |                              |
| TS 23848   | <2   |   | 10   |   | 5    |   | <1   |   | 600  |   | m  | 10    |                              |
| TS 23849   | <2   |   | 10   |   | 10   |   | <1   |   | 0.11 |   |    | 3     |                              |
| TS 23850   | <2   |   | 15   |   | 10   |   | 3    |   | 0.10 |   |    | 40    |                              |
| TS 23851   | <2   |   | 10   |   | 10   |   | <1   |   | 0.12 |   |    | <3    |                              |
| TS 23852   | <2   |   | 15   |   | 10   |   | <1   |   | 800  |   | m  | 15    |                              |
| TS 23853   | <2   |   | 15   |   | 10   |   | <1   |   | 0.10 |   |    | 10    |                              |
| TS 23854   | <2   |   | 10   |   | 5    |   | <1   |   | 860  |   | m  | 5     |                              |
| TS 23855   | <2   |   | 10   |   | 10   |   | <1   |   | 720  |   | m  | 10    |                              |
| TS 23856   | <2   |   | 10   |   | 10   |   | <1   |   | 0.10 |   |    | 195   |                              |
| TS 23857   | <2   |   | 15   |   | 10   |   | <1   |   | 0.13 |   |    | 20    |                              |
| TS 23858   | 2    |   | 80   |   | 20   |   | 2    |   | 0.25 |   |    | 5     |                              |
| TS 23859   | 5    |   | 30   |   | 30   |   | <1   |   | 0.94 |   |    | 270   |                              |
| TS 23860   | <2   |   | 30   |   | 10   |   | <1   |   | 0.18 |   |    | 50    |                              |
| TS 23861   | <2   |   | 15   |   | 10   |   | <1   |   | 0.14 |   |    | 30    |                              |
| TS 23862   | <2   |   | 20   |   | 5    |   | <1   |   | 0.15 |   |    | <3    |                              |
| TS 23863   | <2   |   | 20   |   | 5    |   | 1    |   | 0.16 |   |    | 5     |                              |
| TS 23864   | <2   |   | 20   |   | 10   |   | <1   |   | 0.15 |   |    | 3     |                              |
| TS 23865   | <2   |   | 30   |   | 10   |   | <1   |   | 0.16 |   |    | 20    |                              |
| TS 23866   | <2   |   | 10   |   | 5    |   | <1   |   | 0.15 |   |    | <3    |                              |
| TS 23867   | <2   |   | 25   |   | 10   |   | <1   |   | 0.16 |   |    | <3    |                              |
| TS 23868   | <2   |   | 20   |   | 10   |   | <1   |   | 0.17 |   |    | <3    |                              |
| TS 23869   | <2   |   | 10   |   | 5    |   | 1    |   | 600  |   | m  | 30    |                              |
| TS 23870   | <2   |   | 10   |   | 5    |   | <1   |   | 0.12 |   |    | <3    |                              |

UNITS LEGEND ----- m - Parts per million      b - Parts per billion      % - percent  
g - Grams      a - Absorbance

Signature: *J. Penberton*



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Client: GEOPEKO LIMITED,  
Address: P.O. BOX 598,  
DEVONPORT TAS.

7310

Page 1 of 2

Batch Number: A072

Contact: DR. ROSS LARGE.

No. of Samples: 41

Date Received: 16/01/84

Order No. KP 3337, K 672

Sample Type: SOIL -80#

Date Completed: 18/01/84

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Au<br>ppb<br>PM205 |  |  |  |
|------------------|---------------------------|--------------------|--|--|--|
| 23784            |                           | <3                 |  |  |  |
| 23785            |                           | <3                 |  |  |  |
| 23786            |                           | <3                 |  |  |  |
| 23787            |                           | <3                 |  |  |  |
| 23788            |                           | <3                 |  |  |  |
| 23789            |                           | <3                 |  |  |  |
| 23790            |                           | <3                 |  |  |  |
| 23791            |                           | <3                 |  |  |  |
| 23792            |                           | 125                |  |  |  |
| 23793            |                           | 15                 |  |  |  |
| 23794            |                           | 400                |  |  |  |
| 23795            |                           | 300                |  |  |  |
| 23796            |                           | 160                |  |  |  |
| 23797            |                           | 230                |  |  |  |
| 23798            |                           | 45                 |  |  |  |
| 23799            |                           | 260                |  |  |  |
| 23800            |                           | 180                |  |  |  |
| 23834            |                           | 165                |  |  |  |
| 23835            |                           | 1.5ppm             |  |  |  |
| 23836            |                           | 210                |  |  |  |
| 23837            |                           | <3                 |  |  |  |
| 23838            |                           | 5                  |  |  |  |
| 23839            |                           | 145                |  |  |  |
| 23840            |                           | 105                |  |  |  |
| 23841            |                           | 3                  |  |  |  |
| 23842            |                           | 3                  |  |  |  |
| 23843            |                           | 3                  |  |  |  |
| 23844            |                           | 5                  |  |  |  |
| 23845            |                           | 20                 |  |  |  |
| 23846            |                           | 15                 |  |  |  |
| Detection Limit: |                           | 3                  |  |  |  |

Comments:

VOYAGER 24 : B HORIZONTAL SOIL  
RE ANALYSIS OF 'B' SAMPLES AFTER ROASTING.



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*G J Helmstedt*



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DEVONPORT. TAS. 7310

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Batch Number: A076

Contact: MR. W. HERRMANN

No. of Samples: 203  
Date Received: 16/01/84  
Date Completed: 24/01/84

Order No. K 711

Sample Type: SOIL

| SAMPLE NUMBER    | Element Unit Method | Cu ppm G001 | Pb ppm G001 | Zn ppm G001 | Ag ppm G001 | Fe % G001 |
|------------------|---------------------|-------------|-------------|-------------|-------------|-----------|
| TS 8151          |                     | <2          | 40          | 55          | <1          | 0.09      |
| TS 8152          |                     | <2          | 10          | 80          | 1           | 0.04      |
| TS 8153          |                     | <2          | 5           | 30          | <1          | 0.04      |
| TS 8154          |                     | 20          | 5           | 95          | <1          | 0.04      |
| TS 8155          |                     | <2          | 5           | 75          | <1          | 0.04      |
| TS 8156          |                     | <2          | <5          | 25          | <1          | 0.02      |
| TS 8157          |                     | <2          | 10          | 55          | <1          | 0.05      |
| TS 8158          |                     | <2          | 10          | 90          | <1          | 0.05      |
| TS 8159          |                     | <2          | 15          | 25          | <1          | 0.09      |
| TS 8160          |                     | 20          | 70          | 30          | <1          | 0.12      |
| TS 8161          |                     | 10          | 25          | 40          | <1          | 0.16      |
| TS 8162          |                     | <2          | 15          | 40          | <1          | 0.14      |
| TS 8163          |                     | 5           | 10          | 50          | <1          | 0.15      |
| TS 8164          |                     | 5           | 20          | 145         | <1          | 0.14      |
| TS 8165          |                     | <2          | 5           | 150         | <1          | 0.18      |
| TS 8166          |                     | <2          | 5           | 70          | <1          | 0.17      |
| TS 8167          |                     | <2          | 5           | 40          | <1          | 0.08      |
| TS 8168          |                     | <2          | <5          | 20          | <1          | 0.05      |
| TS 8169          |                     | <2          | <5          | 15          | <1          | 0.11      |
| TS 8170          |                     | <2          | 5           | 35          | <1          | 0.31      |
| TS 8171          |                     | 20          | 20          | 50          | 1           | 1.42      |
| TS 8172          |                     | <2          | 15          | 40          | 1           | 0.63      |
| TS 8173          |                     | 10          | 10          | 85          | 1           | 0.84      |
| TS 8174          |                     | <2          | 10          | 130         | <1          | 0.16      |
| TS 8175          |                     | <2          | 10          | 35          | <1          | 0.59      |
| TS 8176          |                     | <2          | 10          | 40          | 1           | 0.26      |
| TS 8177          |                     | <2          | 10          | 30          | <1          | 0.24      |
| TS 8178          |                     | <2          | 10          | 45          | 1           | 0.39      |
| TS 8179          |                     | <2          | 10          | 55          | 1           | 0.90      |
| TS 8180          |                     | 10          | 20          | 35          | 1           | 1.40      |
| Detection Limit: |                     | 2           | 5           | 2           | 1           | 0.01      |

Comments:

VOYAGER 2A B HORIZON SAMPLES  
900N, 9100N, 9650N, 9700N, 9750N, 9800N, 9700N  
(after ROASTING (REVERSE))



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Telex: ALSEV 42344

Client: **GEOPEKO LIMITED,**  
Address: **P.O. BOX 598**  
**DEVONPORT, TAS. 7310**

Page 2 of 14

**Batch Number: A076**

Contact: **MR. W. HERRMANN**

No. of Samples: 203  
Date Received: 16/01/84  
Date Completed: 24/01/84

Order No. **K 711**

Sample Type: **SOIL**

| SAMPLE NUMBER    | Element Unit Method | AU ppb PM205 |  |  |  |
|------------------|---------------------|--------------|--|--|--|
| TS 8151          |                     | 15           |  |  |  |
| TS 8152          |                     | 10           |  |  |  |
| TS 8153          |                     | 5            |  |  |  |
| TS 8154          |                     | 3            |  |  |  |
| TS 8155          |                     | 3            |  |  |  |
| TS 8156          |                     | 3            |  |  |  |
| TS 8157          |                     | 10           |  |  |  |
| TS 8158          |                     | 10           |  |  |  |
| TS 8159          |                     | 5            |  |  |  |
| TS 8160          |                     | 590          |  |  |  |
| TS 8161          |                     | 25           |  |  |  |
| TS 8162          |                     | 1.1ppm       |  |  |  |
| TS 8163          |                     | 1.7ppm       |  |  |  |
| TS 8164          |                     | 20           |  |  |  |
| TS 8165          |                     | 15           |  |  |  |
| TS 8166          |                     | 20           |  |  |  |
| TS 8167          |                     | 45           |  |  |  |
| TS 8168          |                     | 40           |  |  |  |
| TS 8169          |                     | 220          |  |  |  |
| TS 8170          |                     | 30           |  |  |  |
| TS 8171          |                     | 1.2ppm       |  |  |  |
| TS 8172          |                     | 15           |  |  |  |
| TS 8173          |                     | 55           |  |  |  |
| TS 8174          |                     | 5            |  |  |  |
| TS 8175          |                     | 5            |  |  |  |
| TS 8176          |                     | 10           |  |  |  |
| TS 8177          |                     | 10           |  |  |  |
| TS 8178          |                     | 2.8ppm       |  |  |  |
| TS 8179          |                     | 20           |  |  |  |
| TS 8180          |                     | 10           |  |  |  |
| Detection Limit: |                     | 3            |  |  |  |

Comments:



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Client: GEOPEKO LIMITED,  
Address: P.O. BOX 598  
DEVONPORT, TAS. 7310

Page 3 of 14

Batch Number: A076

Contact: MR. W. HERRMANN

No. of Samples: 203  
Date Received: 16/01/84  
Date Completed: 24/01/84

Order No. K 711

Sample Type: SOIL

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Cu<br>ppm<br>G001 | Pb<br>ppm<br>G001 | Zn<br>ppm<br>G001 | Ag<br>ppm<br>G001 | Fe<br>%<br>G001 |
|------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-----------------|
| TS 8181          |                           | <2                | 10                | 25                | 1                 | 1.57            |
| TS 8182          |                           | <2                | 10                | 30                | 1                 | 0.95            |
| TS 8183          |                           | <2                | 10                | 20                | <1                | 0.56            |
| TS 8184          |                           | <2                | 10                | 40                | <1                | 0.24            |
| TS 8185          |                           | <2                | 10                | 55                | <1                | 0.05            |
| TS 8186          |                           | <2                | 10                | 45                | <1                | 0.06            |
| TS 8187          |                           | <2                | 10                | 120               | <1                | 0.11            |
| TS 8188          |                           | <2                | 10                | 110               | <1                | 0.07            |
| TS 8189          |                           | <2                | 10                | 210               | <1                | 0.06            |
| TS 8190          |                           | <2                | 20                | 190               | <1                | 0.14            |
| TS 8191          |                           | <2                | 10                | 50                | <1                | 0.12            |
| TS 8192          |                           | <2                | 10                | 70                | <1                | 0.15            |
| TS 8193          |                           | <2                | 10                | 80                | <1                | 0.13            |
| TS 8194          |                           | <2                | 10                | 30                | <1                | 0.10            |
| TS 8195          |                           | <2                | 10                | 65                | <1                | 0.05            |
| TS 8196          |                           | <2                | 10                | 30                | <1                | 0.02            |
| TS 8197          |                           | <2                | 10                | 40                | <1                | 0.06            |
| TS 8198          |                           | <2                | 10                | 40                | <1                | 0.05            |
| TS 8199          |                           | <2                | 15                | 90                | <1                | 0.03            |
| TS 8200          |                           | <2                | 10                | 35                | <1                | 0.04            |
| TS 8201          |                           | <2                | 10                | 40                | <1                | 0.04            |
| TS 8202          |                           | <2                | 10                | 45                | <1                | 0.03            |
| TS 8203          |                           | <2                | 10                | 20                | <1                | 0.08            |
| TS 8204          |                           | <2                | 10                | 45                | 1                 | 0.20            |
| TS 8205          |                           | <2                | 20                | 30                | 1                 | 0.25            |
| TS 8206          |                           | <2                | 10                | 55                | <1                | 0.21            |
| TS 8207          |                           | <2                | 10                | 70                | <1                | 0.26            |
| TS 8208          |                           | <2                | 10                | 65                | 1                 | 0.33            |
| TS 8209          |                           | <2                | 10                | 75                | 1                 | 0.34            |
| TS 8210          |                           | <2                | 10                | 45                | <1                | 0.14            |
| Detection Limit: |                           | 2                 | 5                 | 2                 | 1                 | 0.01            |

Comments:



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Address: P.O. BOX 598  
DEVONPORT, TAS, 7310

Page 4 of 14

**Batch Number:** A076

Contact: MR. W. HERRMANN

No. of Samples: 203  
Date Received: 16/01/84  
Date Completed: 24/01/84

Order No. K 711

Sample Type: SOIL

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Au<br>ppb<br>PM205 |  |  |  |
|------------------|---------------------------|--------------------|--|--|--|
| TS 8181          |                           | 10                 |  |  |  |
| TS 8182          |                           | 10                 |  |  |  |
| TS 8183          |                           | 10                 |  |  |  |
| TS 8184          |                           | 10                 |  |  |  |
| TS 8185          |                           | 15                 |  |  |  |
| TS 8186          |                           | <3                 |  |  |  |
| TS 8187          |                           | 35                 |  |  |  |
| TS 8188          |                           | 5                  |  |  |  |
| TS 8189          |                           | 5                  |  |  |  |
| TS 8190          |                           | 5                  |  |  |  |
| TS 8191          |                           | 10                 |  |  |  |
| TS 8192          |                           | 5                  |  |  |  |
| TS 8193          |                           | 10                 |  |  |  |
| TS 8194          |                           | 5                  |  |  |  |
| TS 8195          |                           | 3                  |  |  |  |
| TS 8196          |                           | <3                 |  |  |  |
| TS 8197          |                           | 20                 |  |  |  |
| TS 8198          |                           | 100                |  |  |  |
| TS 8199          |                           | 25                 |  |  |  |
| TS 8200          |                           | 3                  |  |  |  |
| TS 8201          |                           | 3                  |  |  |  |
| TS 8202          |                           | 5                  |  |  |  |
| TS 8203          |                           | 5                  |  |  |  |
| TS 8204          |                           | <3                 |  |  |  |
| TS 8205          |                           | 5                  |  |  |  |
| TS 8206          |                           | <3                 |  |  |  |
| TS 8207          |                           | <3                 |  |  |  |
| TS 8208          |                           | 3                  |  |  |  |
| TS 8209          |                           | 3                  |  |  |  |
| TS 8210          |                           | 3                  |  |  |  |
| Detection Limit: |                           | 3                  |  |  |  |

Comments:



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Signatory:

*[Handwritten Signature]*

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Address: P.O. BOX 598  
DEVONPORT. TAS. 7310

Page 5 of 14

Batch Number: A076

Contact: MR. W. HERRMANN

No. of Samples: 203  
Date Received: 16/01/84  
Date Completed: 24/01/84

Order No. K 711

Sample Type: SOIL

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Cu<br>ppm<br>G001 | Pb<br>ppm<br>G001 | Zn<br>ppm<br>G001 | Ag<br>ppm<br>G001 | Fe<br>%<br>G001 |
|------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-----------------|
| TS 8211          |                           | <2                | 10                | 30                | <1                | 0.13            |
| TS 8212          |                           | <2                | 10                | 20                | 1                 | 0.19            |
| TS 8213          |                           | <2                | 10                | 45                | 1                 | 0.30            |
| TS 8214          |                           | <2                | 10                | 40                | <1                | 0.26            |
| TS 8215          |                           | 2                 | 15                | 55                | 1                 | 0.29            |
| TS 8216          |                           | <2                | 10                | 35                | 1                 | 0.44            |
| TS 8217          |                           | <2                | 10                | 30                | <1                | 0.08            |
| TS 8218          |                           | 10                | 20                | 110               | <1                | 1.44            |
| TS 8219          |                           | <2                | 10                | 25                | 5                 | 0.05            |
| TS 8220          |                           | <2                | 10                | 40                | <1                | 0.05            |
| TS 8221          |                           | <2                | 10                | 40                | <1                | 0.07            |
| TS 8222          |                           | <2                | 15                | 90                | 1                 | 0.11            |
| TS 8223          |                           | <2                | 10                | 40                | <1                | 0.12            |
| TS 8224          |                           | <2                | 10                | 50                | <1                | 0.11            |
| TS 8225          |                           | <2                | 10                | 40                | <1                | 0.10            |
| TS 8226          |                           | <2                | 10                | 55                | <1                | 0.12            |
| TS 8227          |                           | <2                | 10                | 55                | <1                | 0.11            |
| TS 8228          |                           | <2                | 10                | 50                | <1                | 0.03            |
| TS 8229          |                           | <2                | 10                | 55                | <1                | 0.07            |
| TS 8230          |                           | <2                | 10                | 30                | <1                | 0.07            |
| TS 8231          |                           | <2                | 10                | 25                | <1                | 0.09            |
| TS 8232          |                           | <2                | 10                | 190               | <1                | 0.15            |
| TS 8233          |                           | <2                | 10                | 45                | <1                | 0.13            |
| TS 8234          |                           | <2                | 10                | 60                | <1                | 0.12            |
| TS 8235          |                           | <2                | 10                | 40                | 1                 | 0.15            |
| TS 8236          |                           | <2                | 10                | 25                | <1                | 0.06            |
| TS 8237          |                           | <2                | 10                | 30                | <1                | 0.06            |
| TS 8238          |                           | <2                | 5                 | 40                | <1                | 0.03            |
| TS 8239          |                           | <2                | 20                | 20                | <1                | 0.07            |
| TS 8240          |                           | <2                | 5                 | 70                | <1                | 0.04            |
| Detection Limit: |                           | 2                 | 5                 | 2                 | 1                 | 0.01            |

Comments:



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Client: **GEOPEKO LIMITED,**  
Address: **P.O. BOX 598**  
**DEVONPORT, TAS. 7310**

Page 6 of 14

**Batch Number: A076**

Contact: **MR. W. HERRMANN**

No. of Samples: **203**  
Date Received: **16/01/84**  
Date Completed: **24/01/84**

Order No. **K 711**

Sample Type: **SOIL**

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Au<br>ppb<br>PM205 |  |  |  |
|------------------|---------------------------|--------------------|--|--|--|
| TS 8211          |                           | <3                 |  |  |  |
| TS 8212          |                           | <3                 |  |  |  |
| TS 8213          |                           | 10                 |  |  |  |
| TS 8214          |                           | 10                 |  |  |  |
| TS 8215          |                           | 5                  |  |  |  |
| TS 8216          |                           | 5                  |  |  |  |
| TS 8217          |                           | 10                 |  |  |  |
| TS 8218          |                           | 10                 |  |  |  |
| TS 8219          |                           | 5                  |  |  |  |
| TS 8220          |                           | 20                 |  |  |  |
| TS 8221          |                           | 10                 |  |  |  |
| TS 8222          |                           | 5                  |  |  |  |
| TS 8223          |                           | 10                 |  |  |  |
| TS 8224          |                           | 10                 |  |  |  |
| TS 8225          |                           | 120                |  |  |  |
| TS 8226          |                           | 20                 |  |  |  |
| TS 8227          |                           | 10                 |  |  |  |
| TS 8228          |                           | 20                 |  |  |  |
| TS 8229          |                           | 25                 |  |  |  |
| TS 8230          |                           | 5                  |  |  |  |
| TS 8231          |                           | 65                 |  |  |  |
| TS 8232          |                           | 620                |  |  |  |
| TS 8233          |                           | 5                  |  |  |  |
| TS 8234          |                           | 45                 |  |  |  |
| TS 8235          |                           | 160                |  |  |  |
| TS 8236          |                           | 120                |  |  |  |
| TS 8237          |                           | 350                |  |  |  |
| TS 8238          |                           | 5                  |  |  |  |
| TS 8239          |                           | 75                 |  |  |  |
| TS 8240          |                           | 185                |  |  |  |
| Detection Limit: |                           | 3                  |  |  |  |

Comments:



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Everton Park, Q. 4053Phone: (07) 352 5577  
Telex: ALSEV 42344

Client: **GEOPEKO LIMITED,**  
Address: **P.O. BOX 598**  
**DEVONPORT, TAS. 7310**

Page 7 of 14

Batch Number: A076

Contact: **MR. W. HERRMANN**

No. of Samples: 203  
Date Received: 16/01/84  
Date Completed: 24/01/84

Order No. K 711

Sample Type: SOIL

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Cu<br>ppm<br>G001 | Pb<br>ppm<br>G001 | Zn<br>ppm<br>G001 | Ag<br>ppm<br>G001 | Fe<br>%<br>G001 |
|------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-----------------|
| TS 8241          |                           | 10                | 75                | 140               | <1                | 0.08            |
| TS 8242          |                           | <2                | 5                 | 30                | <1                | 0.12            |
| TS 8243          |                           | <2                | 5                 | 20                | <1                | 0.09            |
| TS 8244          |                           | <2                | 10                | 40                | <1                | 0.08            |
| TS 8245          |                           | <2                | 10                | 40                | <1                | 0.07            |
| TS 8246          |                           | <2                | 10                | 25                | <1                | 0.14            |
| TS 8247          |                           | <2                | 5                 | 15                | <1                | 0.08            |
| TS 8248          |                           | <2                | 20                | 25                | 1                 | 0.10            |
| TS 8249          |                           | <2                | 30                | 20                | <1                | 0.11            |
| TS 8250          |                           | 5                 | 30                | 35                | <1                | 0.17            |
| TS 19951         |                           | <2                | 190               | 35                | 1                 | 0.05            |
| TS 19952         |                           | <2                | 5                 | 35                | <1                | 0.05            |
| TS 19953         |                           | <2                | 10                | 90                | <1                | 0.04            |
| TS 19954         |                           | <2                | 5                 | 60                | <1                | 0.04            |
| TS 19955         |                           | <2                | 10                | 60                | <1                | 0.04            |
| TS 19956         |                           | <2                | 5                 | 130               | <1                | 0.09            |
| TS 19957         |                           | <2                | 10                | 80                | <1                | 0.16            |
| TS 19958         |                           | 2                 | 25                | 120               | <1                | 0.11            |
| TS 19959         |                           | 10                | 800               | 590               | 1                 | 0.13            |
| TS 19960         |                           | <2                | 10                | 40                | <1                | 0.13            |
| TS 19961         |                           | <2                | 10                | 30                | <1                | 0.12            |
| TS 19962         |                           | <2                | 10                | 90                | <1                | 0.11            |
| TS 19963         |                           | <2                | 10                | 110               | <1                | 0.12            |
| TS 19964         |                           | <2                | 15                | 260               | <1                | 0.09            |
| TS 19965         |                           | <2                | 20                | 80                | <1                | 0.11            |
| TS 19966         |                           | <2                | 10                | 70                | <1                | 0.09            |
| TS 19967         |                           | <2                | 10                | 40                | <1                | 0.07            |
| TS 19968         |                           | <2                | 10                | 50                | <1                | 0.10            |
| TS 19969         |                           | <2                | 10                | 25                | <1                | 0.09            |
| TS 19970         |                           | <2                | 15                | 40                | <1                | 0.06            |
| Detection Limit: |                           | 2                 | 5                 | 2                 | 1                 | 0.01            |

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Client: **GEOPEKO LIMITED,**  
Address: **P.O. BOX 598**  
**DEVONPORT, TAS. 7310**

**Batch Number: A076**

Contact: **MR. W. HERRMANN**

No. of Samples: **203**  
Date Received: **16/01/84**  
Date Completed: **24/01/84**

Order No. **K 711**

Sample Type: **SOIL**

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Au<br>ppb<br>PM205 |  |  |  |
|------------------|---------------------------|--------------------|--|--|--|
| TS 8241          |                           | 350                |  |  |  |
| TS 8242          |                           | 5                  |  |  |  |
| TS 8243          |                           | <3                 |  |  |  |
| TS 8244          |                           | 10                 |  |  |  |
| TS 8245          |                           | 3                  |  |  |  |
| TS 8246          |                           | <3                 |  |  |  |
| TS 8247          |                           | <3                 |  |  |  |
| TS 8248          |                           | 5                  |  |  |  |
| TS 8249          |                           | <3                 |  |  |  |
| TS 8250          |                           | <3                 |  |  |  |
| TS 19951         |                           | 165                |  |  |  |
| TS 19952         |                           | 80                 |  |  |  |
| TS 19953         |                           | 10                 |  |  |  |
| TS 19954         |                           | 35                 |  |  |  |
| TS 19955         |                           | 3                  |  |  |  |
| TS 19956         |                           | <3                 |  |  |  |
| TS 19957         |                           | 50                 |  |  |  |
| TS 19958         |                           | 90                 |  |  |  |
| TS 19959         |                           | 3                  |  |  |  |
| TS 19960         |                           | 20                 |  |  |  |
| TS 19961         |                           | 3                  |  |  |  |
| TS 19962         |                           | 25                 |  |  |  |
| TS 19963         |                           | 70                 |  |  |  |
| TS 19964         |                           | 10                 |  |  |  |
| TS 19965         |                           | 30                 |  |  |  |
| TS 19966         |                           | 95                 |  |  |  |
| TS 19967         |                           | 90                 |  |  |  |
| TS 19968         |                           | 45                 |  |  |  |
| TS 19969         |                           | 180                |  |  |  |
| TS 19970         |                           | 250                |  |  |  |
| Detection Limit: |                           | 3                  |  |  |  |

Comments:



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Client: **GEOPEKO LIMITED,**  
Address: **P.O. BOX 598**  
**DEVONPORT, TAS. 7310**

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Batch Number: **A076**

Contact: **MR. W. HERRMANN**

No. of Samples: **203**

Date Received: **16/01/84**

Order No. **K 711**

Sample Type: **SOIL**

Date Completed: **24/01/84**

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Cu<br>ppm<br>G001 | Pb<br>ppm<br>G001 | Zn<br>ppm<br>G001 | Ag<br>ppm<br>G001 | Fe<br>%<br>G001 |
|------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-----------------|
| TS 19971         |                           | 2                 | 30                | 20                | <1                | 0.05            |
| TS 19972         |                           | <2                | 15                | 25                | <1                | 0.10            |
| TS 19973         |                           | <2                | 15                | 20                | <1                | 0.08            |
| TS 19974         |                           | <2                | 10                | 30                | <1                | 0.11            |
| TS 19975         |                           | <2                | 10                | 20                | <1                | 0.17            |
| TS 19976         |                           | <2                | 10                | 55                | 1                 | 0.23            |
| TS 19977         |                           | <2                | 10                | 40                | 1                 | 0.28            |
| TS 19978         |                           | <2                | 10                | 30                | <1                | 0.16            |
| TS 19979         |                           | <2                | 10                | 45                | <1                | 0.12            |
| TS 19980         |                           | <2                | 10                | 40                | <1                | 0.07            |
| TS 19981         |                           | <2                | 10                | 40                | <1                | 0.06            |
| TS 19982         |                           | <2                | 10                | 25                | 1                 | 0.13            |
| TS 19983         |                           | <2                | 15                | 40                | 1                 | 0.11            |
| TS 8301          |                           | <2                | 10                | 20                | <1                | 0.07            |
| TS 8302          |                           | <2                | 10                | 45                | <1                | 0.08            |
| TS 8303          |                           | <2                | 10                | 40                | <1                | 0.08            |
| TS 8304          |                           | <2                | 10                | 80                | <1                | 0.09            |
| TS 8305          |                           | <2                | 10                | 35                | <1                | 0.08            |
| TS 8306          |                           | <2                | 10                | 65                | <1                | 0.04            |
| TS 8307          |                           | <2                | 35                | 130               | <1                | 0.02            |
| TS 8308          |                           | <2                | 20                | 65                | <1                | 0.04            |
| TS 8309          |                           | <2                | 15                | 55                | <1                | 0.05            |
| TS 8310          |                           | <2                | 10                | 30                | <1                | 0.03            |
| TS 8311          |                           | <2                | 10                | 95                | <1                | 0.05            |
| TS 8312          |                           | <2                | 10                | 40                | <1                | 0.05            |
| TS 8313          |                           | <2                | 10                | 170               | <1                | 0.07            |
| TS 8314          |                           | <2                | 10                | 50                | 1                 | 0.15            |
| TS 8315          |                           | <2                | 10                | 30                | 1                 | 0.12            |
| TS 8316          |                           | <2                | 10                | 60                | 1                 | 0.14            |
| TS 8317          |                           | <2                | 10                | 70                | 1                 | 0.20            |
| Detection Limit: |                           | 2                 | 5                 | 2                 | 1                 | 0.01            |

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Address: **P.O. BOX 598**  
**DEVONPORT, TAS. 7310**

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**Batch Number: A076**

Contact: **MR. W. HERRMANN**

No. of Samples: **203**  
Date Received: **16/01/84**  
Date Completed: **24/01/84**

Order No. **K 711**

Sample Type: **SOIL**

| SAMPLE NUMBER    | Element Unit Method | Au ppb PM205 |  |  |  |
|------------------|---------------------|--------------|--|--|--|
| TS 19971         |                     | 65           |  |  |  |
| TS 19972         |                     | 25           |  |  |  |
| TS 19973         |                     | 3            |  |  |  |
| TS 19974         |                     | 20           |  |  |  |
| TS 19975         |                     | <3           |  |  |  |
| TS 19976         |                     | <3           |  |  |  |
| TS 19977         |                     | <3           |  |  |  |
| TS 19978         |                     | <3           |  |  |  |
| TS 19979         |                     | <3           |  |  |  |
| TS 19980         |                     | <3           |  |  |  |
| TS 19981         |                     | <3           |  |  |  |
| TS 19982         |                     | <3           |  |  |  |
| TS 19983         |                     | 3            |  |  |  |
| TS 8301          |                     | 3            |  |  |  |
| TS 8302          |                     | 85           |  |  |  |
| TS 8303          |                     | 5            |  |  |  |
| TS 8304          |                     | <3           |  |  |  |
| TS 8305          |                     | 3            |  |  |  |
| TS 8306          |                     | 20           |  |  |  |
| TS 8307          |                     | 30           |  |  |  |
| TS 8308          |                     | 65           |  |  |  |
| TS 8309          |                     | 20           |  |  |  |
| TS 8310          |                     | 210          |  |  |  |
| TS 8311          |                     | 260          |  |  |  |
| TS 8312          |                     | 500          |  |  |  |
| TS 8313          |                     | 620          |  |  |  |
| TS 8314          |                     | 15           |  |  |  |
| TS 8315          |                     | 60           |  |  |  |
| TS 8316          |                     | 30           |  |  |  |
| TS 8317          |                     | 15           |  |  |  |
| Detection Limit: |                     | 3            |  |  |  |

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Address: P.O. BOX 598  
DEVONPORT, TAS. 7310

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Batch Number: A076

Contact: MR. W. HERRMANN

No. of Samples: 203  
Date Received: 16/01/84  
Date Completed: 24/01/84

Order No. K 711

Sample Type: SOIL

| SAMPLE NUMBER    | Element Unit Method | Cu ppm G001 | Pb ppm G001 | Zn ppm G001 | Ag ppm G001 | Fe % G001 |
|------------------|---------------------|-------------|-------------|-------------|-------------|-----------|
| TS 8318          |                     | <2          | 10          | 50          | 1           | 0.16      |
| TS 8319          |                     | <2          | 10          | 45          | 1           | 0.15      |
| TS 8320          |                     | <2          | 10          | 40          | 1           | 0.11      |
| TS 8321          |                     | <2          | 10          | 60          | <1          | 0.11      |
| TS 8322          |                     | <2          | 10          | 50          | 1           | 0.13      |
| TS 8323          |                     | <2          | 10          | 70          | <1          | 0.15      |
| TS 8324          |                     | <2          | 10          | 200         | <1          | 0.16      |
| TS 8325          |                     | <2          | 10          | 120         | <1          | 0.09      |
| TS 8326          |                     | <2          | 10          | 310         | <1          | 0.07      |
| TS 8327          |                     | <2          | 10          | 150         | 1           | 0.10      |
| TS 8328          |                     | <2          | 10          | 250         | 1           | 0.08      |
| TS 8329          |                     | <2          | 10          | 140         | <1          | 0.05      |
| TS 8330          |                     | <2          | 5           | 150         | <1          | 0.04      |
| TS 8331          |                     | <2          | 10          | 135         | <1          | 0.06      |
| TS 8332          |                     | <2          | 15          | 150         | <1          | 0.07      |
| TS 8333          |                     | 5           | 15          | 30          | 1           | 0.39      |
| TS 8334          |                     | <2          | 5           | 70          | <1          | 0.06      |
| TS 8335          |                     | <2          | 5           | 45          | <1          | 0.08      |
| TS 8336          |                     | 10          | 15          | 280         | <1          | 0.09      |
| TS 8337          |                     | 10          | 40          | 25          | <1          | 0.30      |
| TS 8338          |                     | <2          | 20          | 20          | <1          | 0.31      |
| TS 8339          |                     | <2          | 15          | 50          | 1           | 0.23      |
| TS 8340          |                     | <2          | 10          | 80          | <1          | 0.20      |
| TS 8341          |                     | <2          | 5           | 60          | <1          | 0.08      |
| TS 8342          |                     | <2          | 10          | 100         | <1          | 0.05      |
| TS 8343          |                     | <2          | 5           | 95          | 1           | 0.08      |
| TS 8344          |                     | <2          | 10          | 70          | <1          | 0.04      |
| TS 8345          |                     | <2          | 10          | 45          | <1          | 0.14      |
| TS 8346          |                     | <2          | 10          | 120         | <1          | 0.16      |
| TS 8347          |                     | <2          | 10          | 220         | <1          | 0.10      |
| Detection Limit: |                     | 2           | 5           | 2           | 1           | 0.01      |

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Address: **P.O. BOX 598**  
**DEVONPORT, TAS, 7310**

Page 12 of 14

**Batch Number: A076**

Contact: **MR. W. HERRMANN**

No. of Samples: **203**  
Date Received: **16/01/84**  
Date Completed: **24/01/84**

Order No. **K 711**

Sample Type: **SOIL**

| SAMPLE NUMBER    | Element Unit Method | Au ppb PM205 |  |  |  |
|------------------|---------------------|--------------|--|--|--|
| TS 8318          |                     | 5            |  |  |  |
| TS 8319          |                     | 10           |  |  |  |
| TS 8320          |                     | 10           |  |  |  |
| TS 8321          |                     | 410          |  |  |  |
| TS 8322          |                     | 430          |  |  |  |
| TS 8323          |                     | 115          |  |  |  |
| TS 8324          |                     | 450          |  |  |  |
| TS 8325          |                     | 5            |  |  |  |
| TS 8326          |                     | 10           |  |  |  |
| TS 8327          |                     | 3            |  |  |  |
| TS 8328          |                     | <3           |  |  |  |
| TS 8329          |                     | <3           |  |  |  |
| TS 8330          |                     | <3           |  |  |  |
| TS 8331          |                     | 3            |  |  |  |
| TS 8332          |                     | 2.3ppm       |  |  |  |
| TS 8333          |                     | <3           |  |  |  |
| TS 8334          |                     | 3            |  |  |  |
| TS 8335          |                     | <3           |  |  |  |
| TS 8336          |                     | 10           |  |  |  |
| TS 8337          |                     | 5            |  |  |  |
| TS 8338          |                     | 5            |  |  |  |
| TS 8339          |                     | 10           |  |  |  |
| TS 8340          |                     | 10           |  |  |  |
| TS 8341          |                     | 10           |  |  |  |
| TS 8342          |                     | 175          |  |  |  |
| TS 8343          |                     | 20           |  |  |  |
| TS 8344          |                     | 90           |  |  |  |
| TS 8345          |                     | 5            |  |  |  |
| TS 8346          |                     | 15           |  |  |  |
| TS 8347          |                     | 10           |  |  |  |
| Detection Limit: |                     | 3            |  |  |  |

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Address: P.O. BOX 598  
DEVONPORT, TAS. 7310

Page 14 of 14

Batch Number: A076

Contact: MR. W. HERRMANN

No. of Samples: 203  
Date Received: 16/01/84  
Date Completed: 24/01/84

Order No. K 711

Sample Type: SOIL

| SAMPLE NUMBER    | Element Unit Method | AU ppb PM205 |  |  |  |
|------------------|---------------------|--------------|--|--|--|
| TS 8348          |                     | 10           |  |  |  |
| TS 8349          |                     | 35           |  |  |  |
| TS 8350          |                     | 10           |  |  |  |
| TS 8351          |                     | 10           |  |  |  |
| TS 8352          |                     | 1.3ppm       |  |  |  |
| TS 8353          |                     | 155          |  |  |  |
| TS 8354          |                     | 5            |  |  |  |
| TS 8355          |                     | 1.8ppm       |  |  |  |
| TS 8356          |                     | 10           |  |  |  |
| TS 8357          |                     | 5            |  |  |  |
| TS 8358          |                     | 5            |  |  |  |
| TS 8359          |                     | 65           |  |  |  |
| TS 8360          |                     | 5            |  |  |  |
| TS 8361          |                     | 5            |  |  |  |
| TS 8362          |                     | 5            |  |  |  |
| TS 8363          |                     | <3           |  |  |  |
| TS 8364          |                     | 5            |  |  |  |
| TS 8365          |                     | 5            |  |  |  |
| TS 8366          |                     | 530          |  |  |  |
| TS 8367          |                     | 10           |  |  |  |
| TS 8368          |                     | 3            |  |  |  |
| TS 8369          |                     | <3           |  |  |  |
| TS 8370          |                     | 10           |  |  |  |
| Detection Limit: |                     | 3            |  |  |  |

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Page 1 of 2

Batch Number: A123

Contact: MR. W. HERRMANN

No. of Samples: 16

Date Received: 26/01/84

Order No. K 712, KP 3347

Sample Type: SOIL

Date Completed: 31/01/84

| SAMPLE NUMBER    | Element Unit Method | Cu ppm G001 | Pb ppm G001 | Zn ppm G001 | Ag ppm G001 | Fe % G001 |
|------------------|---------------------|-------------|-------------|-------------|-------------|-----------|
| TS 8371          |                     | <2          | 5           | 20          | <1          | 0.18      |
| TS 8372          |                     | 10          | 15          | 35          | 1           | 0.94      |
| TS 8373          |                     | <2          | 15          | 25          | <1          | 0.24      |
| TS 8374          |                     | <2          | 15          | 20          | <1          | 0.31      |
| TS 8375          |                     | <2          | 10          | 30          | <1          | 0.59      |
| TS 8376          |                     | <2          | 15          | 20          | <1          | 0.32      |
| TS 8377          |                     | <2          | 10          | 50          | <1          | 0.60      |
| TS 8378          |                     | <2          | 25          | 30          | 1           | 0.46      |
| TS 8379          |                     | 5           | 55          | 50          | 1           | 1.57      |
| TS 8380          |                     | 20          | 90          | 35          | 1           | 2.12      |
| TS 8381          |                     | 70          | 125         | 30          | 1           | 5.60      |
| TS 8382          |                     | <2          | 10          | 15          | <1          | 0.10      |
| TS 8383          |                     | <2          | 10          | 20          | <1          | 0.09      |
| TS 8384          |                     | <2          | 10          | 30          | <1          | 0.07      |
| TS 8385          |                     | <2          | 20          | 25          | <1          | 0.20      |
| TS 8386          |                     | <2          | 15          | 30          | <1          | 0.27      |
| Detection Limit: |                     | 2           | 5           | 2           | 1           | 0.01      |

Comments: V 24 B HORIZON SOIL  
70001



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Phone: (07) 352 5577  
Telex: ALSEV 42344

Client: GEOPEKO LIMITED, V24  
Address: P.O. BOX 598  
DEVONPORT. TAS. 7310

Page 1 of 6

Batch Number: B032

Contact: MR. W. HERRMANN

No. of Samples: 63  
Date Received: 07/02/84  
Date Completed: 13/02/84

Order No. K 714, KP 3354 Sample Type: SOIL

| SAMPLE NUMBER    | Element Unit Method | Cu ppm G001 | Pb ppm G001 | Zn ppm G001 | Fe % G001 | Ag ppm G001 |
|------------------|---------------------|-------------|-------------|-------------|-----------|-------------|
| TS 8387          |                     | <2          | 20          | 15          | 0.12      | <1          |
| TS 8388          |                     | <2          | 20          | 15          | 0.10      | <1          |
| TS 8389          |                     | <2          | 35          | 20          | 0.08      | <1          |
| TS 8390          |                     | <2          | 20          | 10          | 0.10      | <1          |
| TS 8391          |                     | <2          | 10          | 5           | 0.10      | <1          |
| TS 8392          |                     | <2          | 10          | 10          | 0.09      | 1           |
| TS 8393          |                     | <2          | 15          | <5          | 0.06      | <1          |
| TS 8394          |                     | <2          | 15          | 10          | 0.09      | <1          |
| TS 8395          |                     | <2          | 20          | 10          | 0.11      | <1          |
| TS 8396          |                     | <2          | 15          | 20          | 0.10      | <1          |
| TS 8397          |                     | <2          | 15          | 20          | 0.11      | <1          |
| TS 8398          |                     | <2          | 15          | 10          | 0.22      | <1          |
| TS 8399          |                     | <2          | 10          | 20          | 0.12      | <1          |
| TS 8400          |                     | <2          | 10          | 15          | 0.10      | <1          |
| TS 9251          |                     | <2          | 10          | 10          | 0.19      | <1          |
| TS 9252          |                     | <2          | 5           | 5           | 0.08      | <1          |
| TS 9253          |                     | <2          | 10          | <2          | 0.06      | <1          |
| TS 9254          |                     | <2          | 10          | 15          | 0.10      | <1          |
| TS 9255          |                     | <2          | 5           | 15          | 0.10      | <1          |
| TS 9256          |                     | <2          | 5           | 20          | 0.10      | <1          |
| TS 9257          |                     | <2          | 10          | 15          | 0.29      | <1          |
| TS 9258          |                     | <2          | 10          | 10          | 0.11      | <1          |
| TS 9259          |                     | <2          | 10          | 10          | 0.14      | 1           |
| TS 9260          |                     | <2          | 10          | 10          | 0.11      | <1          |
| TS 9261          |                     | <2          | 10          | 10          | 0.09      | <1          |
| TS 9262          |                     | <2          | 10          | <2          | 0.12      | <1          |
| TS 9263          |                     | <2          | 10          | 10          | 0.12      | <1          |
| TS 9264          |                     | <2          | 15          | 10          | 0.12      | <1          |
| TS 9265          |                     | <2          | 20          | 10          | 0.11      | <1          |
| TS 9266          |                     | <2          | 15          | 30          | 0.12      | <1          |
| Detection Limit: |                     | 2           | 5           | 2           | 0.01      | 1           |

Comments: V24 - E HORIZON SOIL  
9850, 9950, 10000N.



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Telex: ALSEV 42344

Page 2 of 6

Client: GEOPEKO LIMITED,  
Address: P.O. BOX 598  
DEVONPORT, TAS. 7310

Batch Number: B032

Contact: MR. W. HERRMANN

No. of Samples: 63  
Date Received: 07/02/84  
Date Completed: 13/02/84

Order No. K 714, KP 3354 Sample Type: SOIL

| SAMPLE NUMBER    | Element Unit Method | Au ppb PM205 |  |  |  |
|------------------|---------------------|--------------|--|--|--|
| TS 8387          |                     | 15           |  |  |  |
| TS 8388          |                     | 3            |  |  |  |
| TS 8389          |                     | <3           |  |  |  |
| TS 8390          |                     | 5            |  |  |  |
| TS 8391          |                     | 3            |  |  |  |
| TS 8392          |                     | <3           |  |  |  |
| TS 8393          |                     | 90           |  |  |  |
| TS 8394          |                     | 40           |  |  |  |
| TS 8395          |                     | <3           |  |  |  |
| TS 8396          |                     | <3           |  |  |  |
| TS 8397          |                     | <3           |  |  |  |
| TS 8398          |                     | <3           |  |  |  |
| TS 8399          |                     | 5            |  |  |  |
| TS 8400          |                     | 15           |  |  |  |
| TS 9251          |                     | 75           |  |  |  |
| TS 9252          |                     | 25           |  |  |  |
| TS 9253          |                     | 50           |  |  |  |
| TS 9254          |                     | 35           |  |  |  |
| TS 9255          |                     | 70           |  |  |  |
| TS 9256          |                     | 250          |  |  |  |
| TS 9257          |                     | 45           |  |  |  |
| TS 9258          |                     | 5            |  |  |  |
| TS 9259          |                     | 5            |  |  |  |
| TS 9260          |                     | <3           |  |  |  |
| TS 9261          |                     | 15           |  |  |  |
| TS 9262          |                     | <3           |  |  |  |
| TS 9263          |                     | <3           |  |  |  |
| TS 9264          |                     | <3           |  |  |  |
| TS 9265          |                     | 5            |  |  |  |
| TS 9266          |                     | 10           |  |  |  |
| Detection Limit: |                     | 3            |  |  |  |

Comments:



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Everton Park, Q. 4053  
Phone: (07) 352 5577  
Telex: ALSEV 42344

Client: GEOPEKO LIMITED,  
Address: P.O. BOX 598  
DEVONPORT, TAS. 7310

Page 3 of 6

Batch Number: B032

Contact: MR. W. HERRMANN

No. of Samples: 63  
Date Received: 07/02/84  
Date Completed: 13/02/84

Order No. K 714, KP 3354

Sample Type: SOIL

| SAMPLE NUMBER    | Element Unit Method | Cu ppm G001 | Pb ppm G001 | Zn ppm G001 | Fe % G001 | Ag ppm G001 |
|------------------|---------------------|-------------|-------------|-------------|-----------|-------------|
| TS 9267          |                     | <2          | 10          | <2          | 0.09      | <1          |
| TS 9268          |                     | <2          | 15          | 5           | 0.12      | <1          |
| TS 9269          |                     | <2          | 10          | 5           | 0.14      | <1          |
| TS 9270          |                     | <2          | 10          | <2          | 0.11      | <1          |
| TS 9271          |                     | <2          | 20          | 10          | 0.17      | <1          |
| TS 9272          |                     | <2          | 20          | 15          | 0.23      | 1           |
| TS 9273          |                     | <2          | 20          | 20          | 0.25      | <1          |
| TS 9274          |                     | <2          | 15          | 20          | 0.25      | <1          |
| TS 9275          |                     | <2          | 10          | 20          | 0.37      | <1          |
| TS 9276          |                     | <2          | 10          | 20          | 0.31      | <1          |
| TS 9277          |                     | <2          | 15          | 20          | 0.50      | 1           |
| TS 9278          |                     | <2          | 15          | 10          | 0.22      | <1          |
| TS 9279          |                     | <2          | 20          | 10          | 0.09      | <1          |
| TS 9280          |                     | <2          | 10          | <2          | 0.06      | <1          |
| TS 9281          |                     | <2          | 10          | 20          | 0.08      | <1          |
| TS 9282          |                     | <2          | 10          | 10          | 0.13      | <1          |
| TS 9283          |                     | <2          | 15          | 20          | 0.09      | <1          |
| TS 9284          |                     | <2          | 15          | 10          | 0.11      | <1          |
| TS 9285          |                     | <2          | 10          | 15          | 0.08      | <1          |
| TS 9286          |                     | <2          | 10          | 10          | 0.06      | <1          |
| TS 9287          |                     | <2          | 10          | 10          | 0.06      | <1          |
| TS 9288          |                     | <2          | 10          | 20          | 0.14      | <1          |
| TS 9289          |                     | <2          | 10          | 20          | 0.23      | 1           |
| TS 9290          |                     | <2          | 10          | 20          | 0.16      | 1           |
| TS 9291          |                     | <2          | 15          | 15          | 0.11      | <1          |
| TS 9292          |                     | <2          | 10          | 20          | 0.13      | <1          |
| TS 9293          |                     | <2          | 10          | 15          | 0.07      | <1          |
| TS 9294          |                     | <2          | 10          | 15          | 0.08      | <1          |
| TS 9295          |                     | <2          | 10          | <2          | 0.19      | <1          |
| TS 9296          |                     | <2          | 10          | 10          | 0.25      | <1          |
| Detection Limit: |                     | 2           | 5           | 2           | 0.01      | 1           |

Comments:



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Client: GEOPEKO LIMITED,  
Address: P.O. BOX 598  
DEVONPORT, TAS. 7310

Page 4 of 6

Batch Number: B032

Contact: MR. W. HERRMANN

No. of Samples: 63  
Date Received: 07/02/84  
Date Completed: 13/02/84

Order No. K 714, KP 3354 Sample Type: SOIL

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Au<br>ppb<br>PM205 |  |  |  |
|------------------|---------------------------|--------------------|--|--|--|
| TS 9267          |                           | <3                 |  |  |  |
| TS 9268          |                           | 3                  |  |  |  |
| TS 9269          |                           | 3                  |  |  |  |
| TS 9270          |                           | 10                 |  |  |  |
| TS 9271          |                           | 3                  |  |  |  |
| TS 9272          |                           | 3                  |  |  |  |
| TS 9273          |                           | <3                 |  |  |  |
| TS 9274          |                           | <3                 |  |  |  |
| TS 9275          |                           | <3                 |  |  |  |
| TS 9276          |                           | <3                 |  |  |  |
| TS 9277          |                           | 10                 |  |  |  |
| TS 9278          |                           | 10                 |  |  |  |
| TS 9279          |                           | 3                  |  |  |  |
| TS 9280          |                           | 3                  |  |  |  |
| TS 9281          |                           | <3                 |  |  |  |
| TS 9282          |                           | 10                 |  |  |  |
| TS 9283          |                           | 3                  |  |  |  |
| TS 9284          |                           | 3                  |  |  |  |
| TS 9285          |                           | 20                 |  |  |  |
| TS 9286          |                           | 15                 |  |  |  |
| TS 9287          |                           | 20                 |  |  |  |
| TS 9288          |                           | 15                 |  |  |  |
| TS 9289          |                           | 60                 |  |  |  |
| TS 9290          |                           | 100                |  |  |  |
| TS 9291          |                           | 45                 |  |  |  |
| TS 9292          |                           | 105                |  |  |  |
| TS 9293          |                           | 85                 |  |  |  |
| TS 9294          |                           | 450                |  |  |  |
| TS 9295          |                           | 330                |  |  |  |
| TS 9296          |                           | 3                  |  |  |  |
| Detection Limit: |                           | 3                  |  |  |  |

Comments:



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Signatory:

*G J Helmstedt*





APPENDIX IV

LABORATORY REPORTS

V 29W, V 19; C-Horizon Gold Results

Batch No: L154



A U S T R A L I A N   L A B O R A T O R Y   S E R V I C E S   P T Y . L T D .

PAGE 1 OF 3

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EVERTON PARK QLD 4053

L A B O R A T O R Y   R E P O R T

Ph 07 3525577  
TELEX ALSEV 42344

Batch No.: L154      Client: GEOPEKO LIMITED,      Area Contact: MR. W. HERRMANN  
 Address: P.O. BOX 217,      Address: P.O. BOX 598  
 Date Received 22/11/83      GOROKH,      DEVONPORT,      TAS.      7310  
 Date Completed 02/12/83      N.S.W.      2072

Order No.: K 624, KP 3320      Sample Type: -80# SOILS      No. of Samples: 232

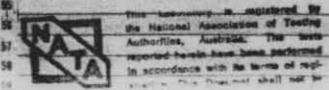
Company Registration Certificate

| SAMPLE NO. | Au    | ELEMENTS |
|------------|-------|----------|
|            | b     | UNITS    |
|            | PM204 | METHODS  |
| TS 15375   | 75    |          |
| TS 15376   | 40    |          |
| TS 15377   | 5     |          |
| TS 15378   | 5     |          |
| TS 15379   | <3    |          |
| TS 15380   | <3    |          |
| TS 15381   | <3    |          |
| TS 15382   | <3    |          |
| TS 15383   | <3    |          |
| TS 15384   | 3     |          |
| TS 15385   | <3    |          |
| TS 15386   | <3    |          |
| TS 15387   | <3    |          |
| TS 15388   | <3    |          |
| TS 15389   | <3    |          |
| TS 15312   | 10    |          |
| TS 15313   | 3     |          |
| TS 15314   | 3     |          |
| TS 15315   | 10    |          |
| TS 15316   | <3    |          |
| TS 15317   | <3    |          |
| TS 15318   | <3    |          |
| TS 15319   | <3    |          |
| TS 15320   | <3    |          |
| TS 15321   | <3    |          |
| TS 15322   | <3    |          |
| TS 15323   | <3    |          |
| TS 15324   | <3    |          |
| TS 15325   | <3    |          |
| TS 15326   | <3    |          |

*Reanalysis of soils in v29 v and v19 areas for Au.*

UNITS LEGEND ----- a - Parts per million      b - Parts per billion      % - percent  
g - Grams      a - Absorbance

Signature: *G.J. Schneider*









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LABORATORY REPORT

OFFICE & LABORATORY  
P.O. BOX 66  
EVERTON PARK QLD 4053  
Ph 07 3525577  
TELEX ALSEV 42344

Batch No.: L154 Client: GEOPEKO LIMITED, Area Contact: MR. W. HERRMANN  
Address: P.O. BOX 217, GORDON, Address: P.O. BOX 598  
Date Received 22/11/83 Date Completed 02/12/83 H.S.W. 2072 DEVONPORT, TAS. 7310

Order No.: K 624, KP 3320 Sample Type: -80# SOILS No. of Samples: 232

| SAMPLE NO. | Au    | ELEMENTS |
|------------|-------|----------|
|            | b     | UNITS    |
|            | PM204 | METHODS  |
| TS 14948   | <3    |          |
| TS 14949   | <3    |          |
| TS 14950   | <3    |          |
| TS 14951   | <3    |          |
| TS 14952   | <3    |          |
| TS 14953   | <3    |          |
| TS 14954   | <3    |          |
| TS 14955   | <3    |          |
| TS 14956   | <3    |          |
| TS 14957   | <3    |          |
| TS 14958   | <3    |          |
| TS 16514   | <3    |          |
| TS 16518   | <3    |          |
| TS 16519   | <3    |          |
| TS 16520   | <3    |          |
| TS 16521   | <3    |          |
| TS 14486   | 5     |          |
| TS 14487   | 3     |          |
| TS 14488   | <3    |          |
| TS 14489   | <3    |          |
| TS 14490   | 5     |          |
| TS 14492   | 20    |          |
| TS 14493   | 55    |          |
| TS 14494   | 50    |          |
| TS 14937   | 3     |          |
| TS 14938   | <3    |          |
| TS 14939   | 3     |          |
| TS 14940   | <3    |          |
| TS 14941   | 3     |          |
| TS 14942   | <3    |          |

UNITS LEGEND ----- a - Parts per million b - Parts per billion % - percent

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Signature: *G.J. Schneider*







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247178

APPENDIX V

LABORATORY REPORT

V 24 C-Horizon; Pathfinder Elements

Batch No: L137



APPENDIX VI - A

GEOLOGICAL CORE LOG : V 33-1















APPENDIX VI - B

GEOLOGICAL CORE LOG : V 33-2

# GEOPEKO TASMANIA DRILL LOG

Prospect V33 Hole no. 2 189

| DEPTH (m) |       | GRAPHIC LOG | ANGLE TO CORE AXIS |                | GEOLOGICAL DESCRIPTION  | Alteration   | MINERALISATION |    |     | Fracturing | Sample No. | From (m) | To (m) | Rec (i) | ASSAYS (Lab) |  |  |  |
|-----------|-------|-------------|--------------------|----------------|---|--|----------------|----|-----|------------|------------|----------|--------|---------|--------------|--|--|--|
| from      | to    |             | S <sub>0</sub>     | S <sub>1</sub> |   |  | py             | ga | sp. |            |            |          |        |         |              |  |  |  |
| 0         | 3     |             |                    |                | NO CORE   |  |                |    |     |            |            |          |        |         |              |  |  |  |
| 3         | 24    |             |                    |                | HQ CORE   |  |                |    |     |            |            |          |        |         |              |  |  |  |
| 24        | 116.2 |             |                    |                | NQ CORE   |  |                |    |     |            |            |          |        |         |              |  |  |  |
| 3.0       | 48.2  |             |                    |                | LAMINATED GREY-BLACK SLATE/SILT.                                  |  |                |    |     |            |            |          |        |         |              |  |  |  |
|           |       |             |                    |                |   | Fine silty, phylitic & prominent cleavage parallel to lithological layering but at variable angles and wariness suggesting complex multiple deformation: |                |    |     |            |            |          |        |         |              |  |  |  |
| 6.8       |       |             |                    | 25°            | 25  |  |                |    |     |            |            |          |        |         |              |  |  |  |
| 8.9       |       |             |                    | 10°            | 10  | Occasional crosscutting /  |                |    |     |            |            |          |        |         |              |  |  |  |
| 18.9      |       |             |                    | 0°             | 0   | irregular quartz carbonate   |                |    |     |            |            |          |        |         |              |  |  |  |
| 24.4      |       |             |                    | 40°            | 40  | veins 1-20 cm thickness  |                |    |     |            |            |          |        |         |              |  |  |  |
| 30.2      |       |             |                    | 25°            | 25  | at about 30/m in   |                |    |     |            |            |          |        |         |              |  |  |  |
| 36.4      |       |             |                    | 35°            | 35  | interval 10-20 m. depth  |                |    |     |            |            |          |        |         |              |  |  |  |
| 45.6      |       |             |                    | 10°            | 10  | Generally contains ~2-5% py with minor traces of ga and sometimes ga + sp  |                |    |     |            |            |          |        |         |              |  |  |  |
|           |       |             |                    |                |   | Qty / Carb. varies in range ~0.3 to 1.0. Possible correlation between Pb + Zn and carbonate  |                |    |     |            |            |          |        |         |              |  |  |  |
|           |       |             |                    |                | Sulphide content of veins generally less than 5% vol.             |  |                |    |     |            |            |          |        |         |              |  |  |  |
|           |       |             |                    |                | vein margins are sharp without significant enveloping alteration. |  |                |    |     |            |            |          |        |         |              |  |  |  |

VEINS: 3/ Tr Tr

247189







GEOPEKO TASMANIA DRILL LOG

Prospect V33 Hole no. 2193

| DEPTH (m) |     | ANGLE TO CORE AXIS | GEOLOGICAL DESCRIPTION  | Alteration | MINERALISATION | Fracturing | Sample No.                           | From (m)      | To (m)         | Rec (t)       | ASSAYS (Lab: ) |            |               |                |              |                  |    |    |
|-----------|-----|--------------------|---|------------|----------------|------------|--------------------------------------|---------------|----------------|---------------|----------------|------------|---------------|----------------|--------------|------------------|----|----|
| from      | to  |                    |   |            |                |            |                                      |               |                |               | LOG            | Bo         | Si            | Pb             | Zn           | Ag               | Am | As |
|           |     |                    | <p>Organic coarse (3-12 mm) angular grains of feldspar, epidote, hornblende, probably represent altered porphyritic plagioclases. Minor grains of quartz, possibly of hematite, possibly also magnetite but not detectable (pencil way) magnetite.</p> <p>Minor fine qtz-carbonate epidote ?? veinlets with traces of quartz but no ga-sp.</p> <p>* Note high background Cu, Fe.</p>          |            |                |            |                                      |               |                |               |                |            |               |                |              |                  |    |    |
| 95.5      | 100 |                    | <p>Altered DOLERITE.</p> <p>Fabric as above but of pale greenish colour representing strong alteration to qtz-carbonate albite-epidote ?? assemblage - probably pervasive propylitic. Alteration clearly related to quartz-carbonate filled fractures which have high intensity approaching brecciation below 95m.</p> <p>- no doubt related to permeability and shear zone at V 100 m +.</p> |            |                |            | <p>VR 14447 98</p> <p>" 14448 99</p> | 99 <p>100</p> | 1.0 <p>1.0</p> | 50 <p>260</p> | 90 <p>90</p>   | 2 <p>3</p> | 15 <p>310</p> | 580 <p>640</p> | 30 <p>35</p> | 5.86 <p>4.41</p> |    |    |

GEOPEKO TASMANIA DRILL LOG

Prospect V32 Hole no. 2 194

| DEPTH (m) |       | GRAPHIC LOG | ANGLE TO CORE AXIS |     | GEOLOGICAL DESCRIPTION   | Alteration | MINERALISATION |  |  | Fracturing | Sample No. | From (m) | To (m) | Rec (t) | ASSAYS (Lab: ) |      |    |    |     |    |      |  |  |  |  |  |
|-----------|-------|-------------|--------------------|-----|--|------------|----------------|--|--|------------|------------|----------|--------|---------|----------------|------|----|----|-----|----|------|--|--|--|--|--|
| From      | To    |             | S0                 | S1  |  |            | PY             |  |  |            |            |          |        |         | Pb             | Zn   | Ag | Au | As  | Cu | Fe   |  |  |  |  |  |
| 100       | 100.1 |             |                    | 10° | Fault Zone.<br>Soft, dark green grey luggy clay.   |            |                |  |  | SHEAR      |            |          |        |         |                |      |    |    |     |    |      |  |  |  |  |  |
| 100.1     | 101.7 |             |                    |     | SILICEOUS BRECCIA<br><br>Brecciated quartz vein material with some carbonate (straw coloured, in late stage inlets) and minor pyrite, galena and sphalerite, possibly arsenopyrite.<br><br>Sulphides generally less than 2% locally upto 5% in very <u>veined</u> sections.<br><br>Sulphides usually in small interstices between siliceous fragments suggesting early silicification of fault zone with subsequent brecciation and weak mineralization. Sphalerite is pale brown. |            |                |  |  |            |            |          |        |         |                |      |    |    |     |    |      |  |  |  |  |  |
|           |       |             |                    |     |  |            |                |  |  |            | NR 1444    | 100      | 101    | 0.5     | 840            | 1700 | 2  | 10 | 110 | 35 | 2.59 |  |  |  |  |  |
|           |       |             |                    |     |  |            |                |  |  |            | 1445       | 101      | 102    | 0.5     | 860            | 1100 | 2  | 25 | 80  | 25 | 2.41 |  |  |  |  |  |



APPENDIX VII - ALABORATORY REPORTS V 33-1

|          |              |           |      |
|----------|--------------|-----------|------|
|          | 36.4-56m :   | Batch No: | B047 |
|          | 56-59m :     | " "       | C061 |
| SLUDGE : | 41.2-49.4m : | " "       | B068 |

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# Australian Laboratory Services PTY. LTD.

CONSULTING ANALYTICAL CHEMISTS

## LABORATORY REPORT

Office & Laboratory

32 Shand Street  
Stafford, Q. 4053  
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Everton Park, Q. 4053  
Phone: (07) 352 5577  
Telex: ALSEV 42344

Client: GEOPEKO LIMITED,  
Address: P.O. BOX 598  
DEVONPORT, TAS. 7310

Page 1 of 2

Batch Number: 8047

Contact: MR. W. HERRMANN

No. of Samples: 16  
Date Received: 09/02/84  
Date Completed: 10/02/84

Order No. K 721, KP 3360 Sample Type: CORE

| SAMPLE NUMBER    | Element Unit Method | Cu ppm G001 | Pb ppm G001 | Zn ppm G001 | Ag ppm G001 | Fe % G001 |
|------------------|---------------------|-------------|-------------|-------------|-------------|-----------|
| KR 14416         |                     | 20          | 1200        | 2000        | 6           | 3.87      |
| KR 14417         |                     | 80          | 960         | 1800        | 10          | 3.18      |
| KR 14418         | 412-42              | 420         | 1.63 %      | 1.94 %      | 93          | 3.98      |
| KR 14419         | 421-43              | 95          | 4000        | 1.21 %      | 35          | 2.86      |
| KR 14421         | 44-45               | 85          | 1.35 %      | 1.33 %      | 70          | 3.62      |
| KR 14422         | 451-46              | 105         | 1.01 %      | 4600        | 58          | 3.88      |
| KR 14424         | 472-48              | 95          | 2.85 %      | 4200        | 105         | 4.90      |
| KR 14425         | 482-48              | 135         | 8000        | 2000        | 38          | 4.50      |
| KR 14426         |                     | 15          | 350         | 210         | 2           | 2.81      |
| KR 14427         |                     | 25          | 380         | 260         | 4           | 1.91      |
| KR 14428         |                     | 35          | 800         | 400         | 4           | 2.37      |
| KR 14429         |                     | 20          | 1550        | 2400        | 4           | 2.53      |
| KR 14430         |                     | 30          | 1450        | 3200        | 3           | 2.37      |
| KR 14431         |                     | 35          | 3600        | 5600        | 9           | 2.01      |
| KR 14432         |                     | 20          | 1100        | 2000        | 2           | 2.63      |
| KR 14433         |                     | N.R.        | N.R.        | N.R.        | N.R.        | N.R.      |
|                  | slide 435-44        | 70          | 6800        | 6200        | 38          | 4.06      |
|                  | 463-46              | 50          | 6500        | 2500        | 33          | 3.73      |
|                  | 467-47              | 50          | 7500        | 2600        | 34          | 3.89      |
| Detection Limit: |                     | 2           | 5           | 2           | 1           | 0.01      |

Comments: Pb : Values >1.0% reassayed by Method A101  
Zn : Values >1.0% reassayed by Method A101  
Ag : Values >25 ppm reassayed by method A101

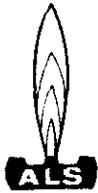
NOYAGER 33-1 26.4 - 56 metres.



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Telex: ALSEV 42344

Client: **GEOPEKO LIMITED,**  
Address: **F.O. BOX 598**  
**DEVONPORT, TAS. 7310**

Page 2 of 2

**Batch Number: B047**

Contact: **MR. W. HERRMANN**

No. of Samples: **16**  
Date Received: **09/02/84**  
Date Completed: **10/02/84**

Order No. **K 721, KP 3360**

Sample Type: **CORE**

| SAMPLE NUMBER    | Element Unit Method | As          | AU           |  |  |  |
|------------------|---------------------|-------------|--------------|--|--|--|
|                  |                     | ppm<br>G004 | ppb<br>PM205 |  |  |  |
| KR 14416         |                     | 100         | 50           |  |  |  |
| KR 14417         |                     | 790         | 30           |  |  |  |
| KR 14418         |                     | 2100        | 260          |  |  |  |
| KR 14419         |                     | 145         | 20           |  |  |  |
| KR 14421         |                     | 1350        | 15           |  |  |  |
| KR 14422         |                     | 1250        | 50           |  |  |  |
| KR 14424         |                     | 240         | 10           |  |  |  |
| KR 14425         |                     | 1500        | 55           |  |  |  |
| KR 14426         |                     | 780         | 10           |  |  |  |
| KR 14427         |                     | 400         | 10           |  |  |  |
| KR 14428         |                     | 440         | <3           |  |  |  |
| KR 14429         |                     | 1300        | 20           |  |  |  |
| KR 14430         |                     | 145         | 20           |  |  |  |
| KR 14431         |                     | 55          | <3           |  |  |  |
| KR 14432         |                     | 85          | 5            |  |  |  |
| KR 14433         |                     | N.R.        | N.R.         |  |  |  |
| Detection Limit: |                     | 1           | 3            |  |  |  |

Comments:



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Telex: ALSEV 42344

Page 1 of 2

Client: **GEOPEKO LIMITED,**  
Address: **P.O. BOX 598**  
**DEVONPORT, TAS. 7310**

**Batch Number: C061**

Contact: **MR. W. HERRMANN**

No. of Samples: **26**  
Date Received: **09/03/84**  
Date Completed: **16/03/84**

Order No. **K 779, KP 3378** Sample Type: **CORE**

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Cu<br>ppm<br>G001 | Pb<br>ppm<br>G001 | Zn<br>ppm<br>G001 | Ag<br>ppm<br>G001 | Fe<br>%<br>G001 |
|------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-----------------|
| KR 14433         |                           | 20                | 3400              | 5500              | 8                 | 3.22            |
| KR 14434         |                           | 70                | 3200              | 3300              | 4                 | 3.18            |
| KR 14435         |                           | 10                | 3200              | 5500              | 8                 | 2.65            |
| Detection Limit: |                           | 2                 | 5                 | 2                 | 1                 | 0.01            |

Comments: Zn : Values >1.0% reassayed by Method A101

J33 DMI (56-59m.)



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Telex: ALSEV 42344

Page 2 of 2

Client: **GEOPEKO LIMITED,**  
Address: **P.O. BOX 598**  
**DEVONPORT, TAS. 7310**

Batch Number: **C061**

Contact: **MR. W. HERRMANN**

No. of Samples: **26**  
Date Received: **09/03/84**  
Date Completed: **16/03/84**

Order No. **K 779, KP 3378** Sample Type: **CORE**

| SAMPLE NUMBER   | Element<br>Unit<br>Method | As<br>ppm<br>G004 | Au<br>ppb<br>PM205 |  |  |  |
|-----------------|---------------------------|-------------------|--------------------|--|--|--|
| KR 14433        |                           | 240               | <3                 |  |  |  |
| KR 14434        |                           | 105               | 25                 |  |  |  |
| KR 14435        |                           | 165               | 10                 |  |  |  |
| Detection Limit |                           | 1                 | 3                  |  |  |  |

Comments:



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*G J Kilmister*

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Telex: ALSEV 42344

Page 1 of 2

Client: **GEOPEKO LIMITED,**  
Address: **P.O. BOX 598**  
**DEVONPORT, TAS 7310**

**Batch Number: B068**

Contact: **MR. W. HERRMANN**

No. of Samples: **14**

Date Received: **13/02/84**

Order No. **K 719, KP 3361**

Sample Type: **FERC. CHIP**

Date Completed: **16/02/84**

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Cu          | Pb          | Zn          | Ag          | Fe        |
|------------------|---------------------------|-------------|-------------|-------------|-------------|-----------|
|                  |                           | ppm<br>G001 | ppm<br>G001 | ppm<br>G001 | ppm<br>G001 | %<br>G001 |
| KR 14451         |                           | 120         | 3600        | 3100        | 25          | 3.67      |
| KR 14452         |                           | 370         | 1.62 %      | 1.32 %      | 120         | 3.85      |
| KR 14453         |                           | 210         | 8500        | 1.53 %      | 70          | 4.00      |
| KR 14454         |                           | 140         | 8300        | 1.04 %      | 55          | 3.51      |
| KR 14455         | *                         | 70          | 6800        | 6200        | 38          | 4.06      |
| KR 14456         |                           | 80          | 7800        | 6500        | 45          | 4.11      |
| KR 14457         |                           | 60          | 1.46 %      | 4800        | 57          | 3.89      |
| KR 14458         |                           | 40          | 1.13 %      | 2700        | 49          | 3.75      |
| KR 14459         |                           | 140         | 1.18 %      | 6800        | 68          | 4.50      |
| KR 14460         | +                         | 50          | 6500        | 2500        | 33          | 3.73      |
| KR 14461         | K                         | 50          | 7500        | 2600        | 36          | 3.89      |
| KR 14462         |                           | 50          | 1.25 %      | 2600        | 46          | 4.55      |
| KR 14463         |                           | 70          | 1.16 %      | 2800        | 48          | 4.32      |
| KR 14464         |                           | 40          | 4300        | 1900        | 21          | 3.08      |
| Detection Limit: |                           | 2           | 5           | 2           | 1           | 0.01      |

Comments: Pb : Values > 1% reassayed by Method A101  
Zn : Values > 1% reassayed by Method A101  
Ag : Values > 2 ppm reassayed by method A101

NOVEMBER 23-1 SLUDGE SAMPLES 41.2 - 49.4 m.



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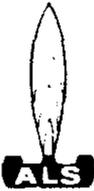
Signatory:

*G J Helmstedt*

Registered Laboratory No. 25

202

247202



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Telex: ALSEV 42344

Page 2 of 2

Client: GEORGO LIMITED.  
Address: P.O. BOX 598  
DEVONPORT, TAS 7310

Batch Number: B068

Contact: MR. H. HEERMANN

No. of Samples: 14

Date Received: 13/02/84

Order No.: P 719 KF 3361

Sample Type: FERO. CHIP

Date Completed: 16/02/84

| SAMPLE NUMBER    | Element<br>Unit<br>Method | As          | Au           |  |  |  |
|------------------|---------------------------|-------------|--------------|--|--|--|
|                  |                           | ppm<br>G004 | ppb<br>PH205 |  |  |  |
| KF 14451         |                           | 540         | 10           |  |  |  |
| KF 14452         |                           | 1100        | 70           |  |  |  |
| KF 14453         |                           | 670         | 15           |  |  |  |
| KF 14454         |                           | 420         | 15           |  |  |  |
| KF 14455         |                           | 550         | 10           |  |  |  |
| KF 14456         |                           | 600         | 5            |  |  |  |
| KF 14457         |                           | 1200        | 3            |  |  |  |
| KF 14458         |                           | 430         | <3           |  |  |  |
| KF 14459         |                           | 1500        | 15           |  |  |  |
| KF 14460         |                           | 420         | <3           |  |  |  |
| KF 14461         |                           | 520         | <3           |  |  |  |
| KF 14462         |                           | 540         | 3            |  |  |  |
| KF 14463         |                           | 1500        | 15           |  |  |  |
| KF 14464         |                           | 1000        | 10           |  |  |  |
| Detection Limit: |                           | 1           | 3            |  |  |  |

Comments:



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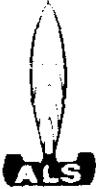
247203

APPENDIX VII - B

LABORATORY REPORT V 33-2

Batch No: C061

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Telex: ALSEV 42344

Page 1 of 2

Client: **GEOPEKO LIMITED,**  
Address: **P.O. BOX 598**  
**DEVONPORT, TAS. 7310**

Batch Number: **C061**

Client: **MR. W. HERRMANN**

No. of Samples: **26**  
Date Received: **09/03/84**  
Date Completed: **16/03/84**

File No. **K 779, KP 3378** Sample Type: **CORE**

| SAMPLE NUMBER   | Element<br>Unit<br>Method | Cu<br>ppm<br>G001 | Pb<br>ppm<br>G001 | Zn<br>ppm<br>G001 | Ag<br>ppm<br>G001 | Fe<br>%<br>G001 |
|-----------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-----------------|
| KR 14436        |                           | 15                | 105               | 70                | 2                 | 2.41            |
| KR 14437        |                           | 1000              | 7600              | 1.55 %            | 16                | 2.66            |
| KR 14438        |                           | 60                | 720               | 3000              | 3                 | 1.85            |
| KR 14439        |                           | 10                | 75                | 90                | 1                 | 1.38            |
| KR 14440        |                           | 10                | 75                | 40                | 1                 | 1.73            |
| KR 14441        |                           | 5                 | 100               | 40                | 1                 | 1.97            |
| KR 14442        |                           | 40                | 110               | 200               | 1                 | 2.17            |
| KR 14443        |                           | 30                | 95                | 80                | 1                 | 2.44            |
| KR 14444        |                           | 20                | 65                | 50                | <1                | 2.24            |
| KR 14445        |                           | 45                | 105               | 110               | 2                 | 3.47            |
| KR 14446        |                           | 90                | 75                | 80                | 2                 | 5.38            |
| KR 14447        |                           | 30                | 50                | 90                | 2                 | 5.86            |
| KR 14448        |                           | 35                | 260               | 90                | 3                 | 4.41            |
| KR 14449        |                           | 35                | 840               | 1700              | 2                 | 2.59            |
| KR 14450        |                           | 25                | 860               | 1100              | 2                 | 2.44            |
| KR 14465        |                           | 20                | 680               | 350               | 2                 | 1.94            |
| KR 14466        |                           | 50                | 980               | 500               | 2                 | 1.35            |
| KR 14467        |                           | 50                | 880               | 850               | 2                 | 1.24            |
| KR 14468        |                           | 75                | 840               | 630               | 2                 | 1.25            |
| KR 14469        |                           | 140               | 920               | 900               | 2                 | 1.44            |
| KR 14470        |                           | 50                | 800               | 1300              | 2                 | 1.13            |
| KR 14471        |                           | 60                | 240               | 460               | 1                 | 1.05            |
| KR 14472        |                           | 40                | 190               | 360               | 1                 | 1.04            |
| Reporting Limit |                           | 2                 | 5                 | 2                 | 1                 | 0.01            |

Comments: Zn : Values > 1.0% reassayed by Method A101

V33 DOH 2



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Phone: (07) 352 5577  
Telex: ALSEV 42344

Client: **GEOPEKO LIMITED.**  
Address: **P.O. BOX 598  
DEVONPORT, TAS 7310**

Page 2 of 2

Batch Number: **C061**

Contact: **MR. W. HERRMANN**

No. of Samples: **26**  
Date Received: **09/03/84**  
Date Completed: **16/03/84**

Order No: **K 779, KP 3378** Sample Type: **CORE**

| SAMPLE NUMBER | Element<br>Unit<br>Method | As          | Au           |  |  |  |
|---------------|---------------------------|-------------|--------------|--|--|--|
|               |                           | ppm<br>G004 | ppb<br>PM205 |  |  |  |
| KR 14436      |                           | 80          | 15           |  |  |  |
| KR 14437      |                           | 95          | 20           |  |  |  |
| KR 14438      |                           | 50          | 10           |  |  |  |
| KR 14439      |                           | 160         | 10           |  |  |  |
| KR 14440      |                           | 135         | 3            |  |  |  |
| KR 14441      |                           | 210         | 3            |  |  |  |
| KR 14442      |                           | 410         | 5            |  |  |  |
| KR 14443      |                           | 260         | 10           |  |  |  |
| KR 14444      |                           | 220         | 5            |  |  |  |
| KR 14445      |                           | 105         | 10           |  |  |  |
| KR 14446      |                           | 10          | 3            |  |  |  |
| KR 14447      |                           | 580         | 15           |  |  |  |
| KR 14448      |                           | 640         | 310          |  |  |  |
| KR 14449      |                           | 110         | 10           |  |  |  |
| KR 14450      |                           | 80          | 25           |  |  |  |
| KR 14465      |                           | 120         | 20           |  |  |  |
| KR 14466      |                           | 18          | 3            |  |  |  |
| KR 14467      |                           | 20          | <3           |  |  |  |
| KR 14468      |                           | 24          | 3            |  |  |  |
| KR 14469      |                           | 32          | 10           |  |  |  |
| KR 14470      |                           | 22          | 10           |  |  |  |
| KR 14471      |                           | 55          | 5            |  |  |  |
| KR 14472      |                           | 60          | <3           |  |  |  |
| Total         |                           | 1           | 3            |  |  |  |

Comments



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APPENDIX VIII - ALABORATORY REPORTS: V33; C-HORIZON GEOCHEM RESULTS

14150N, 14200N: Batch No: AO 75

13800N, 13900N: Batch No: B124

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Client: **GEOPEKO LIMITED,**  
Address: **P.O. BOX 598**  
**DEVONPORT, TAS. 7310**

Page 1 of 4

**Batch Number: A075**

Contact: **MR. W. HERRMANN**

No. of Samples: 34  
Date Received: 16/01/84  
Date Completed: 26/01/84

Order No. **K 710**

Sample Type: **SOIL**

| SAMPLE NUMBER    | Element Unit Method | Cu       | Pb       | Zn       | Ag       | Fe     |
|------------------|---------------------|----------|----------|----------|----------|--------|
|                  |                     | ppm G001 | ppm G001 | ppm G001 | ppm G001 | % G001 |
| TS 19901         | 14200N/8950 E       | 20       | 30       | 105      | 1        | 2.67   |
| TS 19902         | " 8945 E            | <2       | 15       | 50       | 1        | 0.83   |
| TS 19903         | " 8940 E            | <2       | 10       | 40       | 1        | 0.76   |
| TS 19904         | " 8935 E            | <2       | 20       | 100      | 1        | 5.18   |
| TS 19905         | " 8930 E            | <2       | 10       | 25       | 1        | 0.44   |
| TS 19906         | " 8925 E            | <2       | 10       | 35       | 1        | 0.20   |
| TS 19907         | " 8920 E            | <2       | 10       | 30       | 1        | 0.21   |
| TS 19908         | " 8915 E            | <2       | 10       | 20       | <1       | 0.13   |
| TS 19909         | " 8910 E            | 35       | 1300     | 2500     | 7        | 2.76   |
| TS 19910         | " 8905 E            | 15       | 150      | 410      | 2        | 0.60   |
| TS 19911         | " 8900 E            | 10       | 220      | 350      | 1        | 0.60   |
| TS 19912         | " 8895 E            | 15       | 30       | 30       | 1        | 0.67   |
| TS 19913         | " 8890 E            | 30       | 40       | 155      | 1        | 2.36   |
| TS 19914         | " 8885 E            | 65       | 60       | 145      | 2        | 5.90   |
| TS 19915         | " 8880 E            | 25       | 45       | 70       | 1        | 1.82   |
| TS 19916         | " 8875 E            | 40       | 30       | 70       | 1        | 3.52   |
| TS 19917         | 14150 N/8950 E      | <2       | 5        | 30       | 1        | 0.63   |
| TS 19918         | " 8945 E            | <2       | 10       | 35       | 1        | 0.68   |
| TS 19919         | " 8940 E            | <2       | 25       | 40       | 1        | 0.59   |
| TS 19920         | " 8935 E            | <2       | 30       | 40       | 2        | 0.53   |
| TS 19921         | " 8930 E            | <2       | 15       | 45       | 2        | 0.59   |
| TS 19922         | " 8925 E            | <2       | 10       | 30       | 1        | 0.68   |
| TS 19923         | " 8920 E            | <2       | 20       | 35       | 1        | 0.45   |
| TS 19924         | " 8915 E            | <2       | 10       | 25       | 1        | 0.35   |
| TS 19925         | " 8910 E            | <2       | 15       | 20       | 2        | 0.26   |
| TS 19926         | " 8905 E            | 10       | 270      | 90       | 22       | 0.29   |
| TS 19927         | " 8900 E            | 300      | 2950     | 1150     | 35       | 0.45   |
| TS 19928         | " 8895 E            | 55       | 230      | 1500     | 2        | 1.34   |
| TS 19929         | " 8890 E            | 30       | 1950     | 1050     | 6        | 1.17   |
| TS 19930         | " 8885 E            | 45       | 70       | 630      | 2        | 1.85   |
| Detection Limit: |                     | 2        | 5        | 2        | 1        | 0.01   |

Comments: Cu :  
Pb : VALUES >1.0% REASSAYED BY METHOD A101  
Zn : VALUES >1.0% REASSAYED BY METHOD A101  
Ag : VALUES >25ppm REASSAYED BY METHOD A101  
Fe :

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S.M. MATE INFILL  
14150N, 14200N



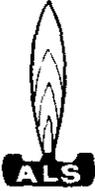
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*G.J. Helmster*

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Office & Laboratory

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Phone: (07) 352 5577  
Telex: ALSEV 42344

Client: **GEOPEKO LIMITED,**  
Address: **P.O. BOX 598**  
**DEVONPORT, TAS. 7310**

Page 2 of 4

Batch Number: **A075**

Contact: **MR. W. HERRMANN**

No. of Samples: **34**  
Date Received: **16/01/84**  
Date Completed: **26/01/84**

Order No. **K 710** Sample Type: **SOIL**

| SAMPLE NUMBER    | Element Unit Method | As ppm G004 | Au ppb PM205 |  |  |  |
|------------------|---------------------|-------------|--------------|--|--|--|
| TS 19901         |                     | 1           | 5            |  |  |  |
| TS 19902         |                     | <1          | 5            |  |  |  |
| TS 19903         |                     | <1          | 5            |  |  |  |
| TS 19904         |                     | 5           | 10           |  |  |  |
| TS 19905         |                     | <1          | <3           |  |  |  |
| TS 19906         |                     | 1           | 3            |  |  |  |
| TS 19907         |                     | 31          | 15           |  |  |  |
| TS 19908         |                     | <1          | 10           |  |  |  |
| TS 19909         |                     | 940         | 120          |  |  |  |
| TS 19910         |                     | 180         | 15           |  |  |  |
| TS 19911         |                     | 65          | 5            |  |  |  |
| TS 19912         |                     | 19          | 3            |  |  |  |
| TS 19913         |                     | 80          | 3            |  |  |  |
| TS 19914         |                     | 25          | 5            |  |  |  |
| TS 19915         |                     | 35          | 3            |  |  |  |
| TS 19916         |                     | 12          | 3            |  |  |  |
| TS 19917         |                     | <1          | <3           |  |  |  |
| TS 19918         |                     | <1          | 3            |  |  |  |
| TS 19919         |                     | <1          | 5            |  |  |  |
| TS 19920         |                     | <1          | 3            |  |  |  |
| TS 19921         |                     | <1          | <3           |  |  |  |
| TS 19922         |                     | <1          | <3           |  |  |  |
| TS 19923         |                     | <1          | <3           |  |  |  |
| TS 19924         |                     | <1          | <3           |  |  |  |
| TS 19925         |                     | <1          | <3           |  |  |  |
| TS 19926         |                     | 3           | 30           |  |  |  |
| TS 19927         |                     | 160         | 120          |  |  |  |
| TS 19928         |                     | 420         | 5            |  |  |  |
| TS 19929         |                     | 260         | 30           |  |  |  |
| TS 19930         |                     | 180         | 3            |  |  |  |
| Detection Limit: |                     | 1           | 3            |  |  |  |

Comments: As  
Au



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Telex: ALSEV 42344

Client: **GEOPEKO LIMITED,**  
Address: **P.O. BOX 598**  
**DEVONPORT, TAS. 7310**

Page 3 of 4

Batch Number: **A075**

Contact: **MR. W. HERRMANN**

No. of Samples: **34**  
Date Received: **16/01/84**  
Date Completed: **26/01/84**

Order No. **K 710**

Sample Type: **SOIL**

| SAMPLE NUMBER    | Element Unit Method | Cu ppm G001 | Pb ppm G001 | Zn ppm G001 | Ag ppm G001 | Fe % G001 |
|------------------|---------------------|-------------|-------------|-------------|-------------|-----------|
| SAMPLE LOCATION  |                     |             |             |             |             |           |
| TS 19931         | 1400N / 880 E       | 50          | 60          | 85          | 1           | 2.64      |
| TS 19932         | " 8875 E            | 40          | 55          | 40          | 1           | 1.09      |
| TS 19933         | " 8899 SE           | 980         | 5.42 %      | 5.18 %      | 240         | 2.26      |
| TS 19934         | " 8902 SE           | 2600        | 2.77 %      | 1.10 %      | 650         | 0.62      |
| Detection Limit: |                     | 2           | 5           | 2           | 1           | 0.01      |

Comments: Cu :  
Pb : VALUES >1.0% REASSAYED BY METHOD A101  
Zn : VALUES >1.0% REASSAYED BY METHOD A101  
Ag : VALUES >25ppm REASSAYED BY METHOD A101  
Fe :



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Client: **GEOPEKO LIMITED.**  
Address: **P.O. BOX 598  
DEVONPORT. TAS. 7310**

**Batch Number: A075**

Contact: **MR. W. HERRMANN**

No. of Samples: **34**  
Date Received: **16/01/84**  
Date Completed: **26/01/84**

Order No. **K 710** Sample Type: **SOIL**

| SAMPLE NUMBER    | Element Unit Method | As ppm G004 | Au ppb PM205 |  |  |  |
|------------------|---------------------|-------------|--------------|--|--|--|
| TS 19931         |                     | 7           | <3           |  |  |  |
| TS 19932         |                     | 5           | <3           |  |  |  |
| TS 19933         |                     | 3400        | 210          |  |  |  |
| TS 19934         |                     | 90          | 530          |  |  |  |
| Detection Limit: |                     | 1           | 3            |  |  |  |

Comments: As :  
Au :  
:  
:  
:



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DEVONPORT, TAS. 7310

Page 1 of 6

Batch Number: B124

Contact: MR. W. HERRMANN

No. of Samples: 64

Date Received: 23/02/84

Order No. K 724, KP 3370

Sample Type: SOIL

Date Completed: 29/02/84

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Cu<br>ppm<br>G001 | Pb<br>ppm<br>G001 | Zn<br>ppm<br>G001 | Ag<br>ppm<br>G001 | Fe<br>%<br>G001 | SAMPLE LOCATION  |
|------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-----------------|------------------|
|                  |                           |                   |                   |                   |                   |                 |                  |
| TS 8101          |                           | 10                | 185               | 155               | 4                 | 0.39            | 13900 N / 9050 E |
| TS 8102          |                           | 10                | 180               | 70                | 4                 | 0.38            | " 9045 E         |
| TS 8103          |                           | 2                 | 105               | 25                | 2                 | 0.35            | " 9040 E         |
| TS 8104          |                           | 2                 | 320               | 30                | 2                 | 0.40            | " 9035 E         |
| TS 8105          |                           | 2                 | 1500              | 35                | 2                 | 0.44            | " 9030 E         |
| TS 8106          |                           | 2                 | 800               | 20                | 2                 | 0.40            | " 9025 E         |
| TS 8107          |                           | 2                 | 125               | 30                | 1                 | 0.38            | " 9020 E         |
| TS 8108          |                           | 2                 | 60                | 20                | 1                 | 0.46            | " 9015 E         |
| TS 8109          |                           | 2                 | 75                | 20                | 1                 | 0.55            | " 9010 E         |
| TS 8110          |                           | 2                 | 65                | 25                | 1                 | 0.56            | " 9005 E         |
| TS 8111          |                           | 5                 | 140               | 40                | 2                 | 0.42            | " 9000 E         |
| TS 8112          |                           | 2                 | 20                | 45                | 2                 | 0.57            | " 8995 E         |
| TS 8113          |                           | 2                 | 45                | 25                | 2                 | 0.57            | " 8990 E         |
| TS 8114          |                           | 2                 | 30                | 25                | 1                 | 0.36            | " 8985 E         |
| TS 8115          |                           | 2                 | 30                | 25                | 2                 | 0.40            | " 8980 E         |
| TS 8116          |                           | 60                | 1180              | 9600              | 3                 | 0.62            | " 8975 E         |
| TS 8117          |                           | 10                | 185               | 950               | 1                 | 0.88            | " 8970 E         |
| TS 8118          |                           | 55                | 840               | 360               | 5                 | 2.66            | " 8965 E         |
| TS 8119          |                           | 10                | 2200              | 35                | 4                 | 0.37            | " 8960 E         |
| TS 8120          |                           | 2                 | 110               | 20                | 2                 | 0.24            | " 8955 E         |
| TS 8121          |                           | 2                 | 180               | 50                | 1                 | 0.32            | " 8950 E         |
| TS 8122          |                           | 2                 | 125               | 15                | 1                 | 0.25            | " 8945 E         |
| TS 8123          |                           | 2                 | 300               | 20                | <1                | 0.26            | " 8940 E         |
| TS 8124          |                           | 2                 | 340               | 30                | <1                | 0.26            | " 8935 E         |
| TS 8125          |                           | 2                 | 75                | 30                | <1                | 0.27            | " 8930 E         |
| TS 8126          |                           | 5                 | 110               | 50                | 1                 | 0.32            | " 8925 E         |
| TS 8127          |                           | 5                 | 150               | 45                | 1                 | 0.26            | " 8920 E         |
| TS 8128          |                           | 2                 | 70                | 35                | 1                 | 0.38            | " 8915 E         |
| TS 8129          |                           | 15                | 145               | 65                | 2                 | 0.23            | " 8910 E         |
| TS 8130          |                           | 5                 | 3200              | 3100              | 2                 | 0.51            | " 8907.5 E       |
| Detection Limit: |                           | 2                 | 5                 | 2                 | 1                 | 0.01            |                  |

Comments:

EMMOTT BAY EL 27/76

V-33 sm. MATE INFILL 13900 N, 13900 N.



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Client: **GEOPEKO LIMITED,**  
Address: **P.O. BOX 598**  
**DEVONPORT, TAS. 7310**

Page 2 of 5

**Batch Number: B124**

Contact: **MR. W. HERRMANN**

No. of Samples: **64**

Order No. **K 724, KP 3370**

Sample Type: **SOIL**

Date Received: **23/02/84**

Date Completed: **29/02/84**

| SAMPLE NUMBER    | Element Unit Method | As ppm G004 | Au ppb PM205 |  |  |  |
|------------------|---------------------|-------------|--------------|--|--|--|
| TS 8101          |                     | 4           | <3           |  |  |  |
| TS 8102          |                     | 4           | 3            |  |  |  |
| TS 8103          |                     | 2           | <3           |  |  |  |
| TS 8104          |                     | 2           | <3           |  |  |  |
| TS 8105          |                     | 9           | <3           |  |  |  |
| TS 8106          |                     | 6           | <3           |  |  |  |
| TS 8107          |                     | 2           | <3           |  |  |  |
| TS 8108          |                     | 1           | <3           |  |  |  |
| TS 8109          |                     | 1           | <3           |  |  |  |
| TS 8110          |                     | 1           | <3           |  |  |  |
| TS 8111          |                     | 1           | <3           |  |  |  |
| TS 8112          |                     | 2           | <3           |  |  |  |
| TS 8113          |                     | 1           | <3           |  |  |  |
| TS 8114          |                     | 1           | <3           |  |  |  |
| TS 8115          |                     | 5           | <3           |  |  |  |
| TS 8116          |                     | 85          | <3           |  |  |  |
| TS 8117          |                     | 20          | <3           |  |  |  |
| TS 8118          |                     | 8           | <3           |  |  |  |
| TS 8119          |                     | 38          | <3           |  |  |  |
| TS 8120          |                     | 3           | <3           |  |  |  |
| TS 8121          |                     | 2           | <3           |  |  |  |
| TS 8122          |                     | <1          | <3           |  |  |  |
| TS 8123          |                     | 1           | <3           |  |  |  |
| TS 8124          |                     | 5           | <3           |  |  |  |
| TS 8125          |                     | 1           | <3           |  |  |  |
| TS 8126          |                     | 1           | <3           |  |  |  |
| TS 8127          |                     | 2           | <3           |  |  |  |
| TS 8128          |                     | 1           | <3           |  |  |  |
| TS 8129          |                     | 2           | 5            |  |  |  |
| TS 8130          |                     | 85          | 5            |  |  |  |
| Detection Limit: |                     | 1           | 3            |  |  |  |

Comments:



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*G J Helmsler*

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Client: GEOPEKO LIMITED,  
Address: P.O. BOX 598  
DEVONPORT. TAS. 7310

Page 3 of 6

Batch Number: B124

Contact: MR. W. HERRMANN

No. of Samples: 64  
Date Received: 23/02/84  
Date Completed: 29/02/84

Order No. K 724, KP 3370

Sample Type: SOIL

| SAMPLE NUMBER    | SAMPLE LOCATION | Element<br>Unit<br>Method | Cu          | Pb          | Zn          | Ag          | Fe        |
|------------------|-----------------|---------------------------|-------------|-------------|-------------|-------------|-----------|
|                  |                 |                           | ppm<br>G001 | ppm<br>G001 | ppm<br>G001 | ppm<br>G001 | %<br>G001 |
| TS 8131          | 13900N/8905     | E                         | 2           | 185         | 200         | 11          | 0.61      |
| TS 8132          | " 8902.5        | E                         | 55          | 5800        | 8400        | 21          | 1.39      |
| TS 8133          | " 8900          | E                         | 10          | 2600        | 3900        | 6           | 1.01      |
| TS 8134          | " 8897.5        | E                         | 5           | 90          | 240         | 2           | 0.70      |
| TS 8135          | " 8895          | E                         | 2           | 20          | 30          | 2           | 0.16      |
| TS 8136          | " 8892.5        | E                         | 20          | 25          | 155         | 16          | 0.19      |
| TS 8137          | " 8890          | E                         | 2           | 25          | 15          | 3           | 0.12      |
| TS 8138          | " 8887.5        | E                         | 2           | 70          | 15          | 1           | 0.13      |
| TS 8139          | " 8885          | E                         | 2           | 30          | 20          | 1           | 0.13      |
| TS 8140          | " 8882.5        | E                         | 2           | 110         | 30          | 1           | 0.78      |
| TS 8141          | " 8880          | E                         | 2           | 25          | 15          | 2           | 0.18      |
| TS 8142          | " 8877.5        | E                         | 2           | 280         | 10          | 1           | 0.16      |
| TS 8143          | " 8875          | E                         | 2           | 150         | 10          | 1           | 0.20      |
| TS 8144          | " 8870          | E                         | 2           | 35          | 10          | 1           | 0.11      |
| TS 8145          | " 8865          | E                         | 2           | 15          | 10          | 1           | 0.10      |
| TS 8146          | " 8860          | E                         | 10          | 40          | 25          | 2           | 0.86      |
| TS 8147          | " 8855          | E                         | 10          | 85          | 10          | 1           | 0.20      |
| TS 8148          | " 8850          | E                         | 2           | 640         | 10          | 1           | 0.13      |
| TS 19935         | 13800N/8850     | E                         | 10          | 65          | 20          | 1           | 0.29      |
| TS 19936         | " 8845          | E                         | 5           | 20          | 15          | <1          | 0.16      |
| TS 19937         | " 8840          | E                         | 15          | 10          | 5           | <1          | 0.07      |
| TS 19938         | " 8835          | E                         | 10          | 185         | 20          | 1           | 2.22      |
| TS 19939         | " 8830          | E                         | 2           | 300         | 5           | <1          | 0.07      |
| TS 19940         | " 8825          | E                         | 2           | 55          | 10          | <1          | 0.09      |
| TS 19941         | " 8820          | E                         | 10          | 760         | 15          | 1           | 0.60      |
| TS 19942         | " 8815          | E                         | 20          | 700         | 55          | 1           | 0.52      |
| TS 19943         | " 8810          | E                         | 10          | 230         | 25          | 1           | 0.25      |
| TS 19944         | " 8805          | E                         | 5           | 270         | 15          | 1           | 0.15      |
| TS 19945         | " 8800          | E                         | 5           | 60          | 25          | 1           | 0.79      |
| TS 19946         | " 8795          | E                         | 10          | 50          | 25          | 1           | 1.76      |
| Detection Limit: |                 |                           | 2           | 5           | 2           | 1           | 0.01      |

Comments:



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Page 4 of 6

Client: **GEOPEKO LIMITED,**  
Address: **P.O. BOX 598**  
**DEVONPORT, TAS 7310**

**Batch Number: B124**

Contact: **MR. W. HERRMANN**

No. of Samples: **64**  
Date Received: **23/02/84**  
Date Completed: **29/02/84**

Order No. **K 724, KP 3370**

Sample Type: **SOIL**

| SAMPLE NUMBER    | Element<br>Unit<br>Method | As<br>ppm<br>G004 | Au<br>ppb<br>PM205 |  |  |  |
|------------------|---------------------------|-------------------|--------------------|--|--|--|
| TS 8131          |                           | 130               | 20                 |  |  |  |
| TS 8132          |                           | 3200              | 120                |  |  |  |
| TS 8133          |                           | 4750              | 100                |  |  |  |
| TS 8134          |                           | 110               | 25                 |  |  |  |
| TS 8135          |                           | 9                 | 15                 |  |  |  |
| TS 8136          |                           | 6                 | 105                |  |  |  |
| TS 8137          |                           | 2                 | 35                 |  |  |  |
| TS 8138          |                           | 2                 | 25                 |  |  |  |
| TS 8139          |                           | 2                 | <3                 |  |  |  |
| TS 8140          |                           | 2                 | 5                  |  |  |  |
| TS 8141          |                           | 1                 | 20                 |  |  |  |
| TS 8142          |                           | 3                 | 30                 |  |  |  |
| TS 8143          |                           | 4                 | 125                |  |  |  |
| TS 8144          |                           | 3                 | 5                  |  |  |  |
| TS 8145          |                           | 1                 | 5                  |  |  |  |
| TS 8146          |                           | 1                 | 3                  |  |  |  |
| TS 8147          |                           | 2                 | 5                  |  |  |  |
| TS 8148          |                           | 6                 | 15                 |  |  |  |
| TS 19935         |                           | 12                | 45                 |  |  |  |
| TS 19936         |                           | 10                | 3                  |  |  |  |
| TS 19937         |                           | 2                 | 10                 |  |  |  |
| TS 19938         |                           | 540               | 60                 |  |  |  |
| TS 19939         |                           | 14                | 10                 |  |  |  |
| TS 19940         |                           | 5                 | <3                 |  |  |  |
| TS 19941         |                           | 80                | 5                  |  |  |  |
| TS 19942         |                           | 70                | <3                 |  |  |  |
| TS 19943         |                           | 28                | 5                  |  |  |  |
| TS 19944         |                           | 24                | <3                 |  |  |  |
| TS 19945         |                           | 46                | <3                 |  |  |  |
| TS 19946         |                           | 105               | <3                 |  |  |  |
| Detection Limit: |                           | 1                 | 3                  |  |  |  |

Comments:



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32 Shand Street  
Stafford, Q. 4053

PO Box 66,  
Everton Park, Q. 4053

Phone: (07) 352 5577  
Telex: ALSEV 42344

Page 5 of 6

Client: **GEOPEKO LIMITED,**

Address: **P.O. BOX 598**

**DEVONPORT. TAS. 7310**

**Batch Number: B124**

Contact: **MR. W. HERRMANN**

No. of Samples: **64**

Date Received: **23/02/84**

Order No. **K 724, KP 3370**

Sample Type: **SOIL**

Date Completed: **29/02/84**

| SAMPLE NUMBER    | Element<br>Unit<br>Method | Cu          | Pb          | Zn          | Ag          | Fe        |
|------------------|---------------------------|-------------|-------------|-------------|-------------|-----------|
|                  |                           | ppm<br>G001 | ppm<br>G001 | ppm<br>G001 | ppm<br>G001 | %<br>G001 |
| SAMPLE LOCATION  |                           |             |             |             |             |           |
| TS 19947         | 13800N/8710E              | 5           | 20          | 25          | 1           | 0.25      |
| TS 19948         | " 8785E                   | 5           | 95          | 15          | <1          | 0.48      |
| TS 19949         | " 8780E                   | 2           | 35          | 10          | <1          | 0.78      |
| TS 19950         | " 8775E                   | 5           | 600         | 15          | 1           | 0.26      |
| Detection Limit: |                           | 2           | 5           | 2           | 1           | 0.01      |

Comments:



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Signatory:

*P. J. Helmstedt*

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Incorporated  
in Queensland

# Australian Laboratory Services PTY. LTD.

CONSULTING ANALYTICAL CHEMISTS

## LABORATORY REPORT

Office & Laboratory  
32 Shand Street  
Stafford, Q. 4053  
PO Box 66,  
Everton Park, Q. 4053  
Phone: (07) 352 5577  
Telex: ALSEV 42344

Page 6 of 6

Client: **GEOPEKO LIMITED,**  
Address: **P.O. BOX 598**  
**DEVONPORT, TAS. 7310**

Batch Number: **B124**

Contact: **MR. W. HERRMANN**

No. of Samples: **64**  
Date Received: **23/02/84**  
Date Completed: **29/02/84**

Order No. **K 724, KP 3370**

Sample Type: **SOIL**

| SAMPLE NUMBER    | Element<br>Unit<br>Method | As<br>ppm<br>G004 | Au<br>ppb<br>PM205 |  |  |  |
|------------------|---------------------------|-------------------|--------------------|--|--|--|
| TS 19947         |                           | 9                 | <3                 |  |  |  |
| TS 19948         |                           | 26                | 3                  |  |  |  |
| TS 19949         |                           | 5                 | <3                 |  |  |  |
| TS 19950         |                           | 46                | 3                  |  |  |  |
| Detection Limit: |                           | 1                 | 3                  |  |  |  |

Comments:



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Signatory: *G J Hulme*

217

247217

APPENDIX VIII - B

LABORATORY REPORT: V 33; Rock Channel Samples

I4150N Trench : Batch No: B069



Incorporated in Queensland

# Australian Laboratory Services PTY. LTD.

CONSULTING ANALYTICAL CHEMISTS

## LABORATORY REPORT

Office & Laboratory

32 Shand Street  
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PO Box 66,  
Everton Park, Q. 4053  
Phone: (07) 352 5577  
Telex: ALSEV 42344

Client: **GEORGO LIMITED,**  
Address: **P.O. BOX 598**  
**DEVONPORT, TAS 7310**

Page 1 of 2

Batch Number: 8069

Contact: **MR. G. HERRMANN**

No. of Samples: 10  
Date Received: 13/02/84  
Date Completed: 16/02/84

Order No. **F 720, R.F. 3362**

Sample Type: **ROCK**

| SAMPLE NUMBER     | Element Unit Method | Cu       | Pb       | Zn       | Ag       | Fe     |
|-------------------|---------------------|----------|----------|----------|----------|--------|
|                   |                     | ppm G001 | ppm G001 | ppm G001 | ppm G001 | % G001 |
| V33-1450 N TRENCH | SAMPLE INTERVAL     |          |          |          |          |        |
| KR 11907          | 8894.5 - 8895.5 E   | 15       | 370      | 280      | 6        | 0.58   |
| KR 11908          | 8896 - 8897 E       | 45       | 2800     | 3000     | 14       | 0.47   |
| KR 11909          | 8897 - 8898 E       | 220      | 8400     | 1,45 %   | 51       | 0.72   |
| KR 11910          | 8898 - 8899 E       | 800      | 2,17 %   | 3500     | 135      | 0.81   |
| KR 11911          | 8899 - 8900 E       | 35       | 680      | 410      | 11       | 0.27   |
| KR 11912          | 8900 - 8901 E       | 20       | 135      | 30       | 29       | 0.28   |
| KR 11913          | 8901 - 8902 E       | 20       | 70       | 30       | 23       | 0.30   |
| KR 11914          | 8902 - 8903 E       | 5        | 50       | 65       | 9        | 0.23   |
| KR 11915          | 8903 - 8904 E       | 5        | 30       | 20       | 8        | 0.42   |
| KR 11916          | 8904 - 8905 E       | <2       | 65       | 20       | 17       | 0.25   |
| Detection Limit:  |                     | 2        | 5        | 2        | 1        | 0.01   |

Comments: Pb : Values > 1% reassayed by Method A101  
Zn : Values > 1% reassayed by Method A101  
Ag : Values > 20 ppm reassayed by method A101

ANALYST: G. J. HERRMANN      CONTROL: G. J. HERRMANN      LIAISON: T. HERRMANN

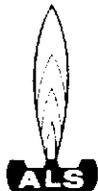


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Signatory: *G. J. Herrmann*

219

247219



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# Australian Laboratory Services PTY. LTD.

CONSULTING ANALYTICAL CHEMISTS

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32 Shand Street  
Stafford, Q. 4053  
PO Box 66,  
Everton Park, Q. 4053  
Phone: (07) 352 5577  
Telex: ALSEV 42344

Page 1 of 2

Client: GEORGO LIMITED,  
Address: P.O. BOX 598  
DEVONPORT, TAS. 7310

Batch Number: B069

Contact: MR. W. HERRMANN

No. of Samples: 10  
Date Received: 13/02/84  
Date Completed: 16/02/84

Order No. K 720 KP 3362 Sample Type: ROCK

| SAMPLE NUMBER    | Element Unit Method | As ppm G004 | Au ppb FM205 |  |  |  |
|------------------|---------------------|-------------|--------------|--|--|--|
| KR 11907         |                     | 36          | 50           |  |  |  |
| KR 11908         |                     | 1200        | 300          |  |  |  |
| KR 11909         |                     | 2500        | 320          |  |  |  |
| KR 11910         |                     | 3700        | 380          |  |  |  |
| KR 11911         |                     | 22          | 45           |  |  |  |
| KR 11912         |                     | 18          | 40           |  |  |  |
| KR 11913         |                     | 10          | 15           |  |  |  |
| KR 11914         |                     | 6           | 5            |  |  |  |
| KR 11915         |                     | 6           | 5            |  |  |  |
| KR 11916         |                     | 10          | 10           |  |  |  |
| Detection Limit: |                     | 1           | 3            |  |  |  |

Comments:



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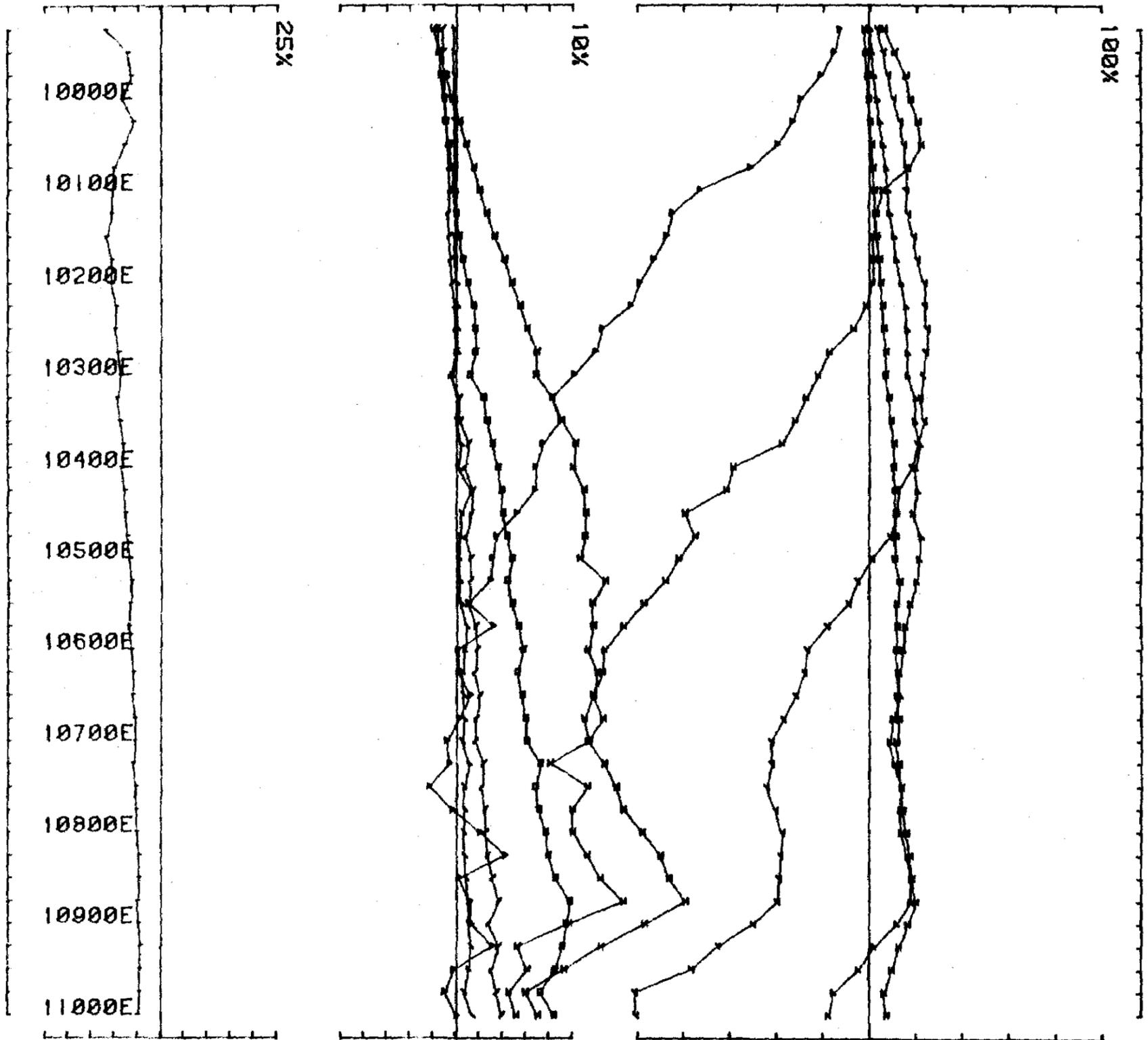
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220

247220

APPENDIX IX - A

UTEM PROFILES, Tx LOOP 1 (V29)

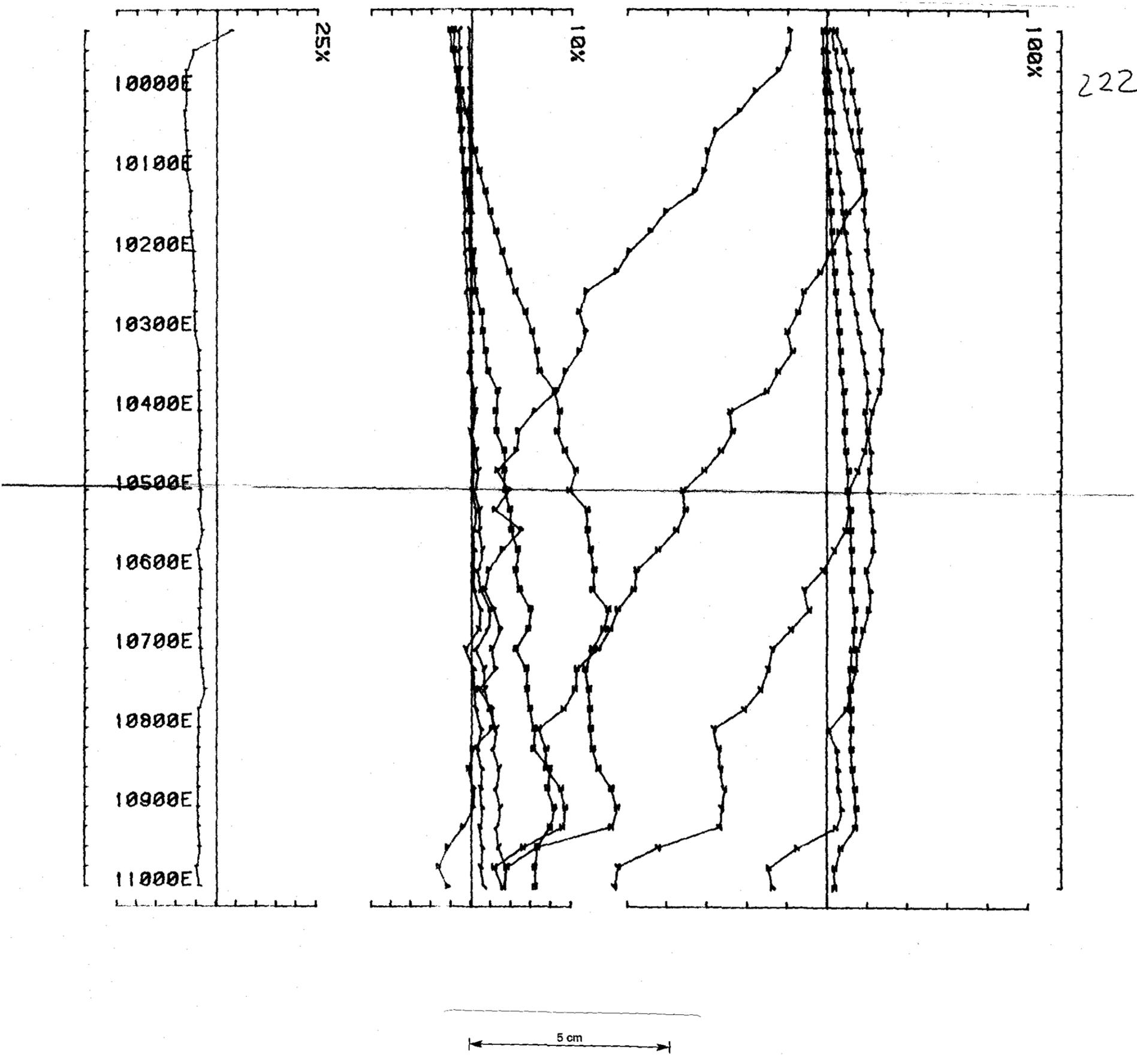


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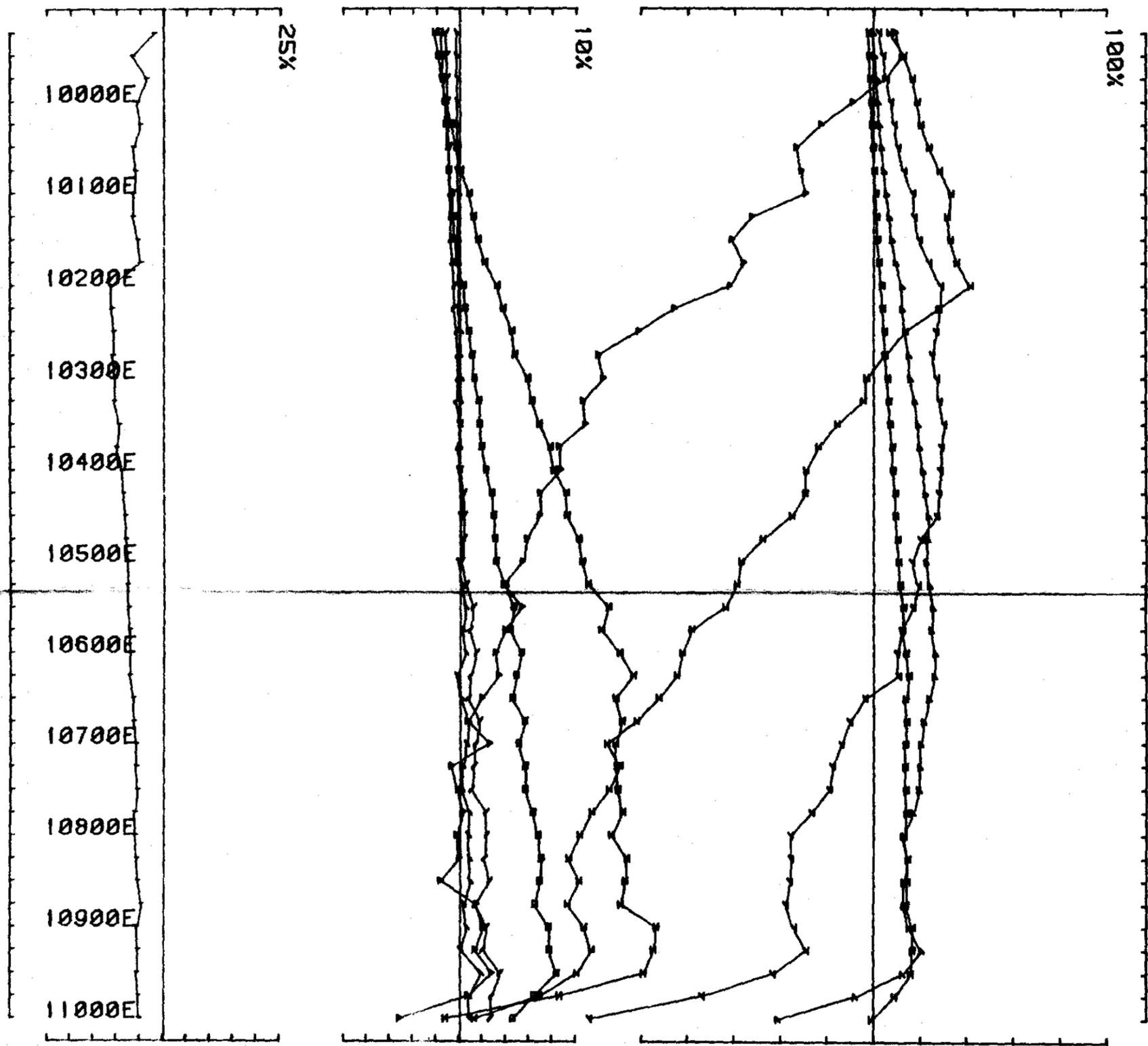
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222

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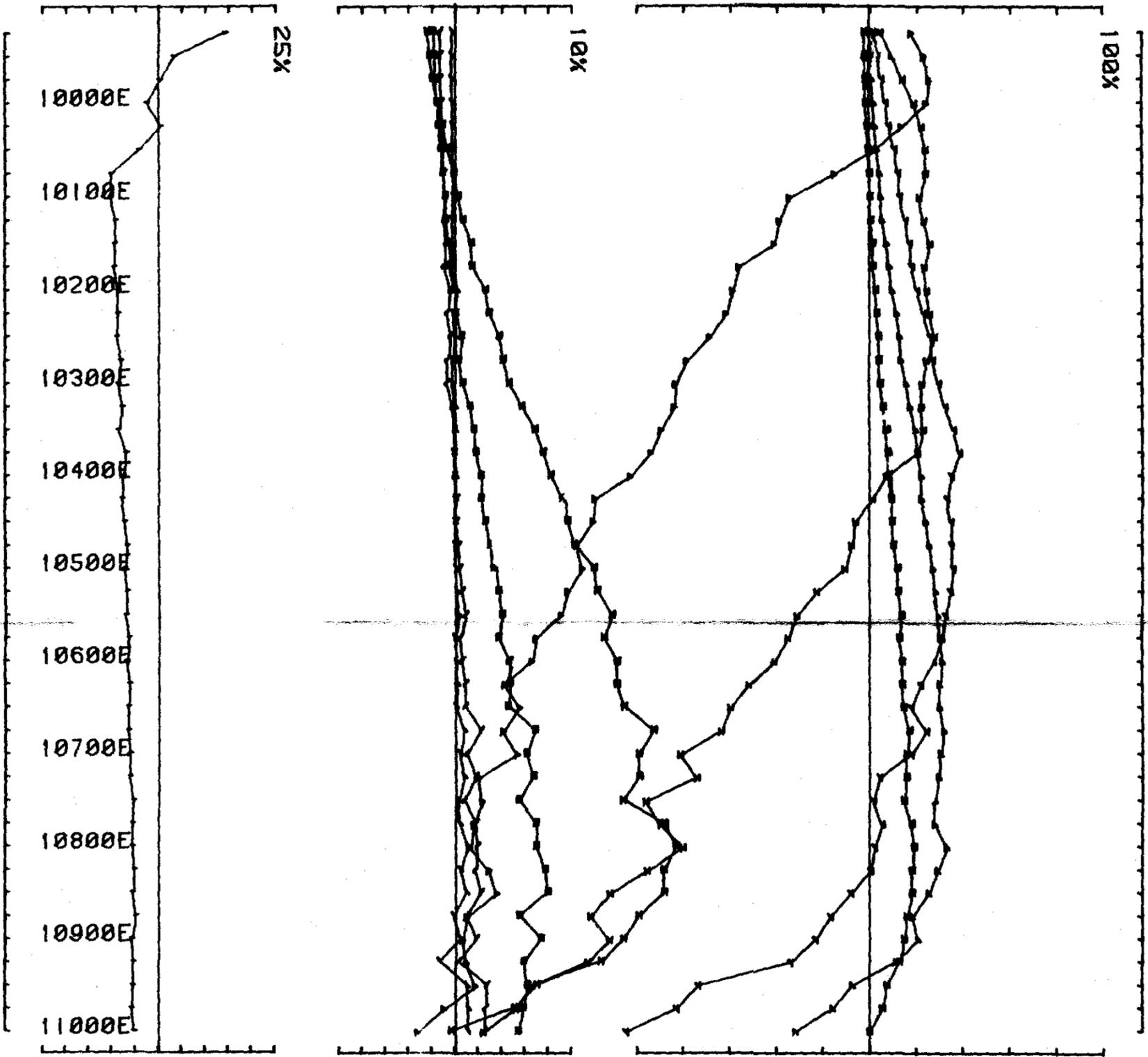
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223

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247223



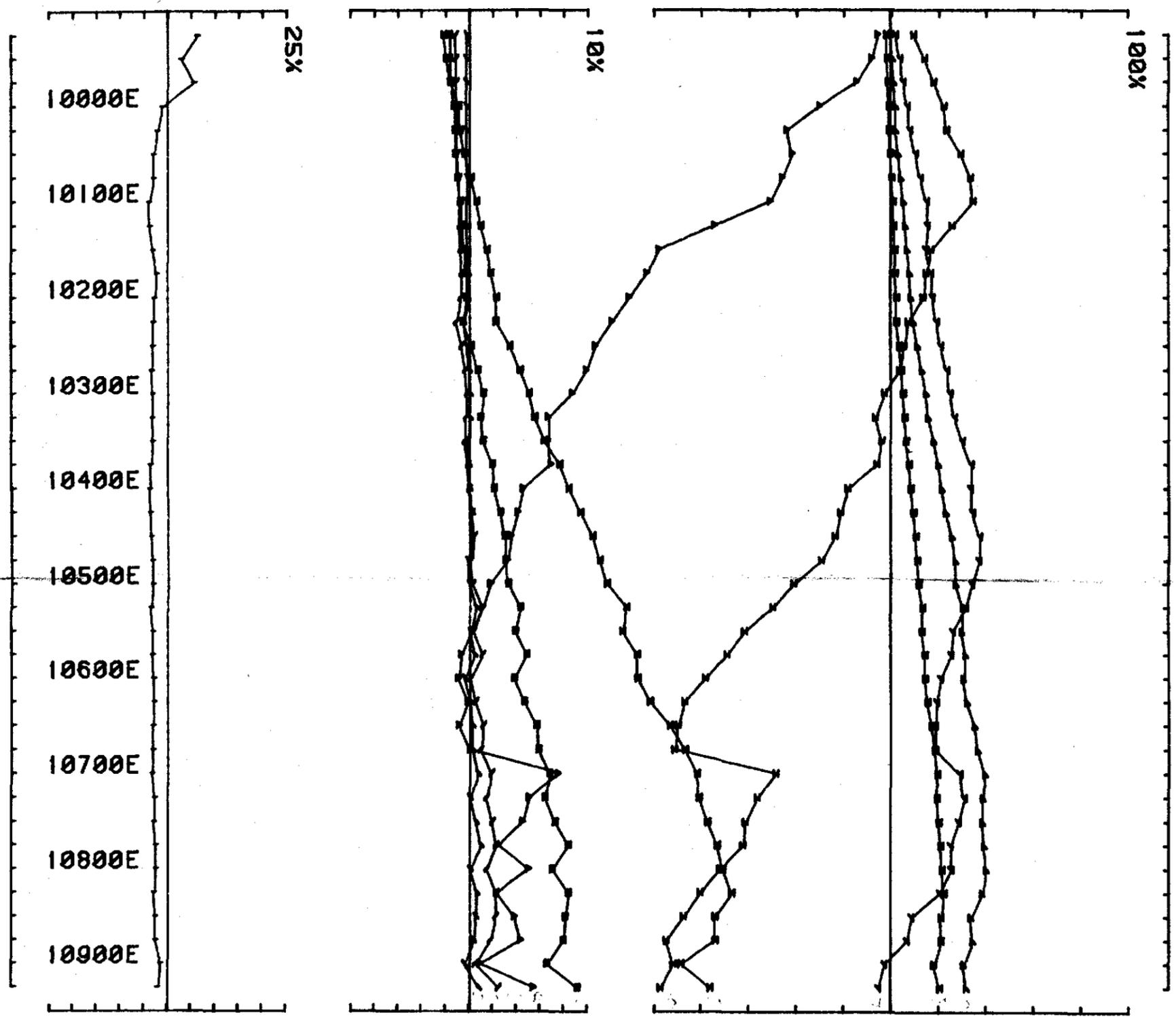
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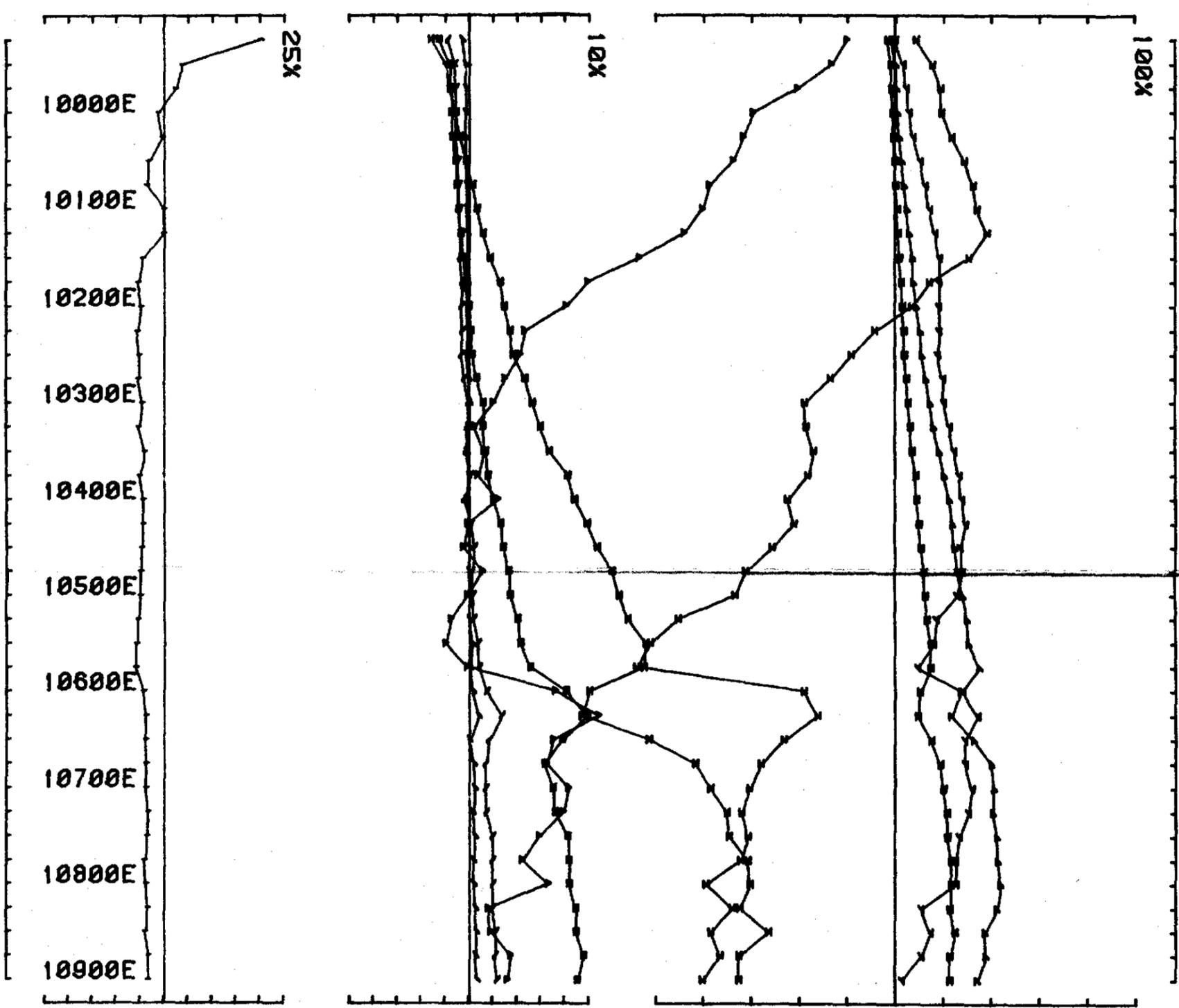
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247224



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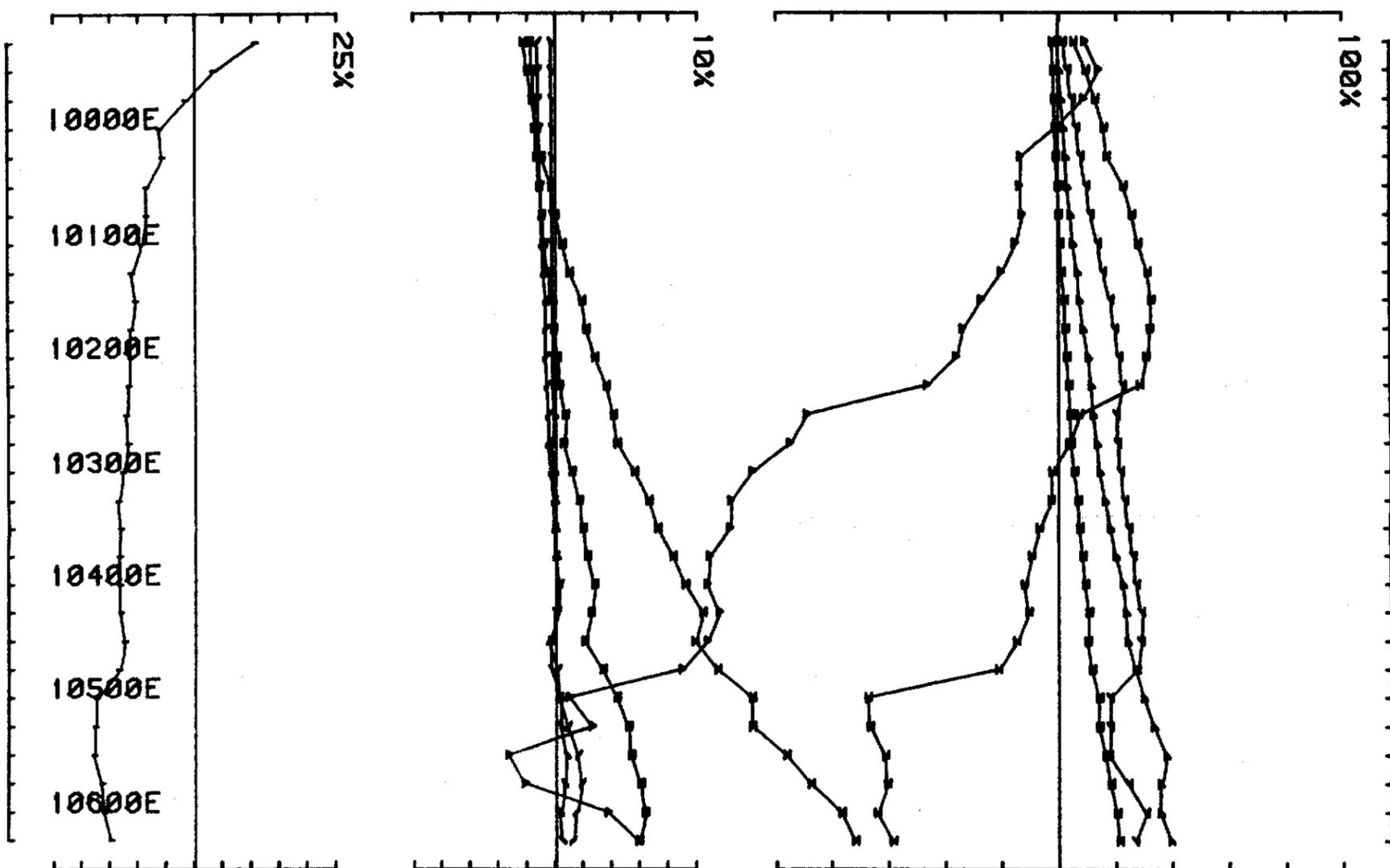
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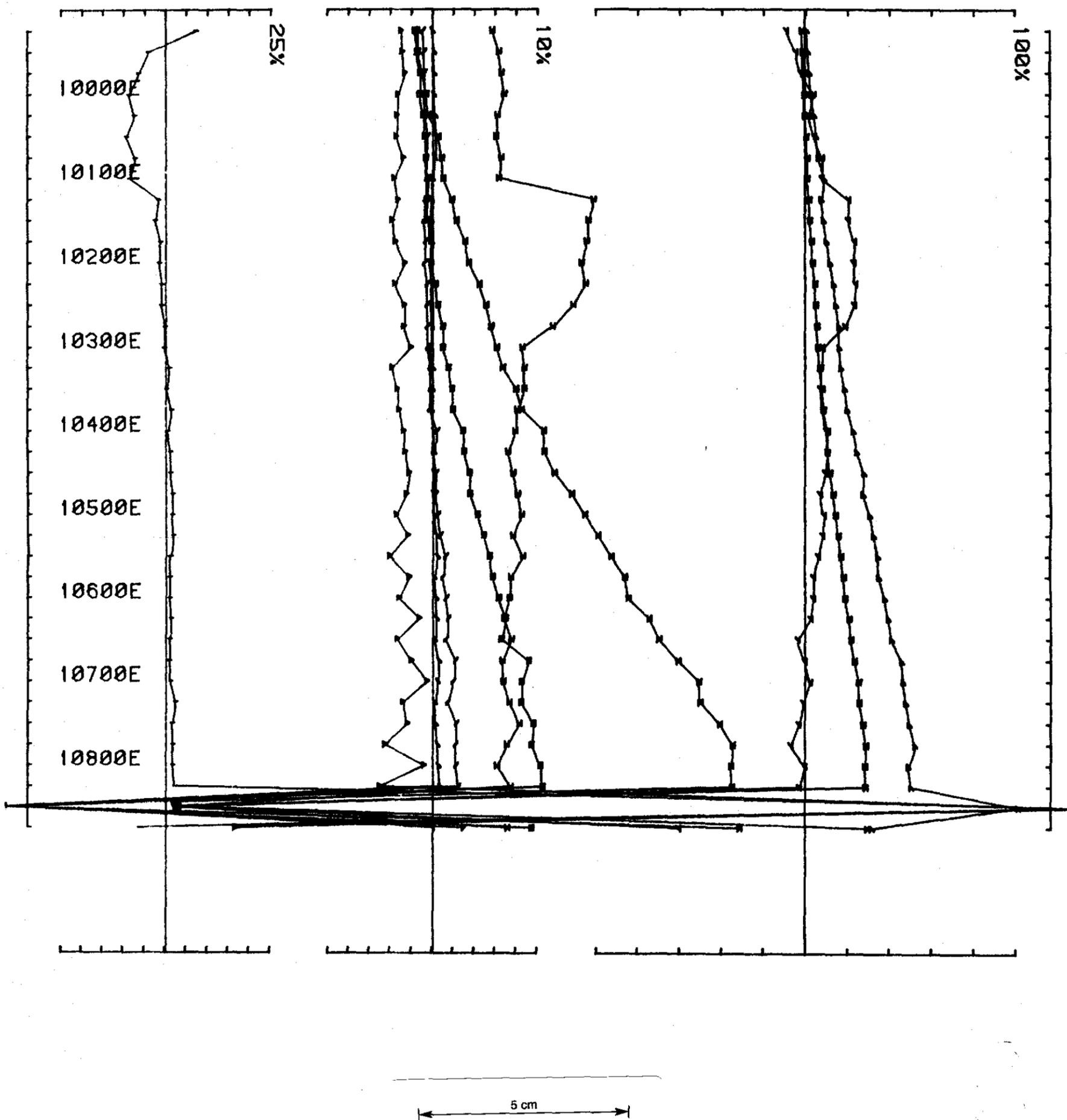
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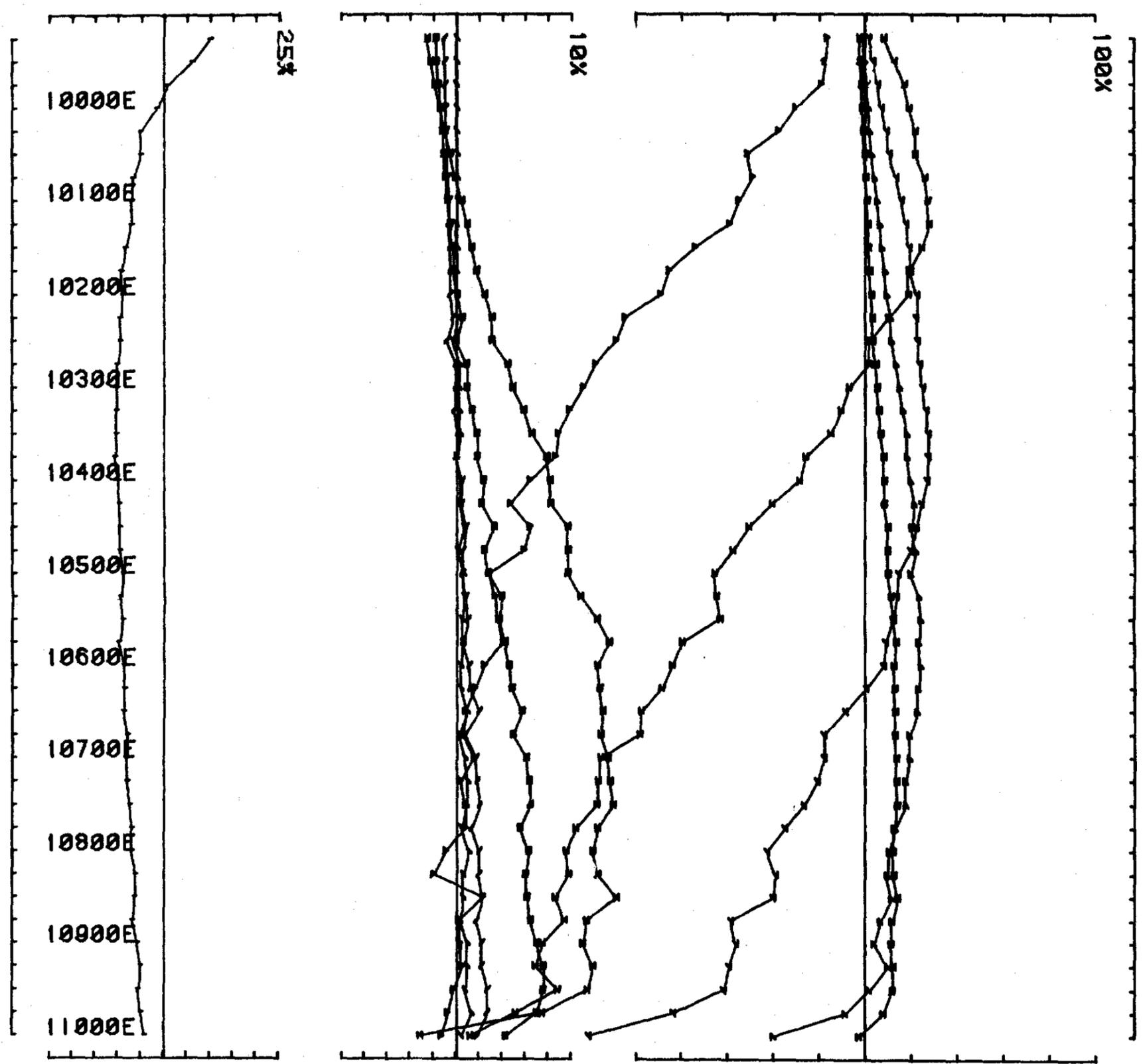
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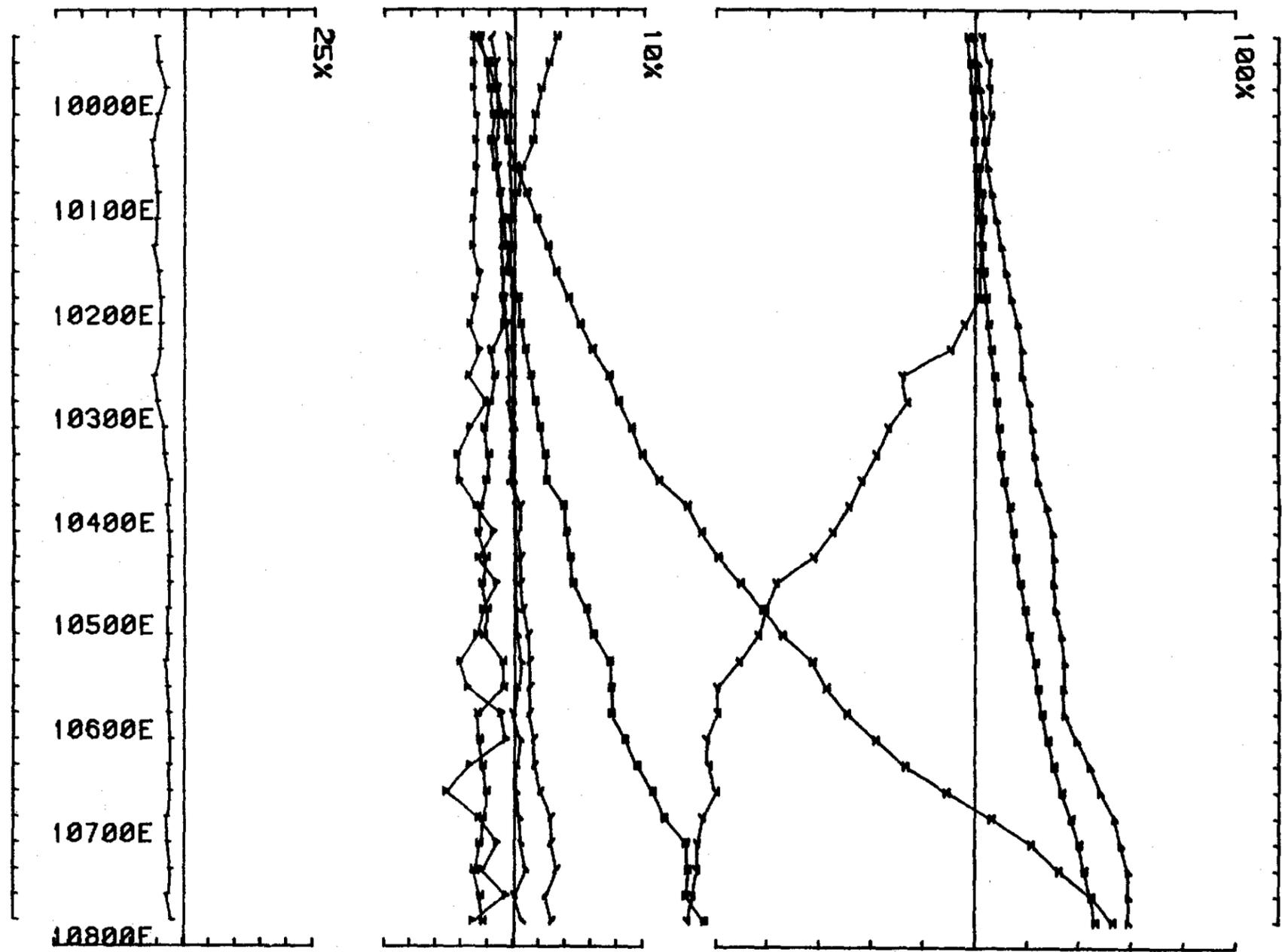


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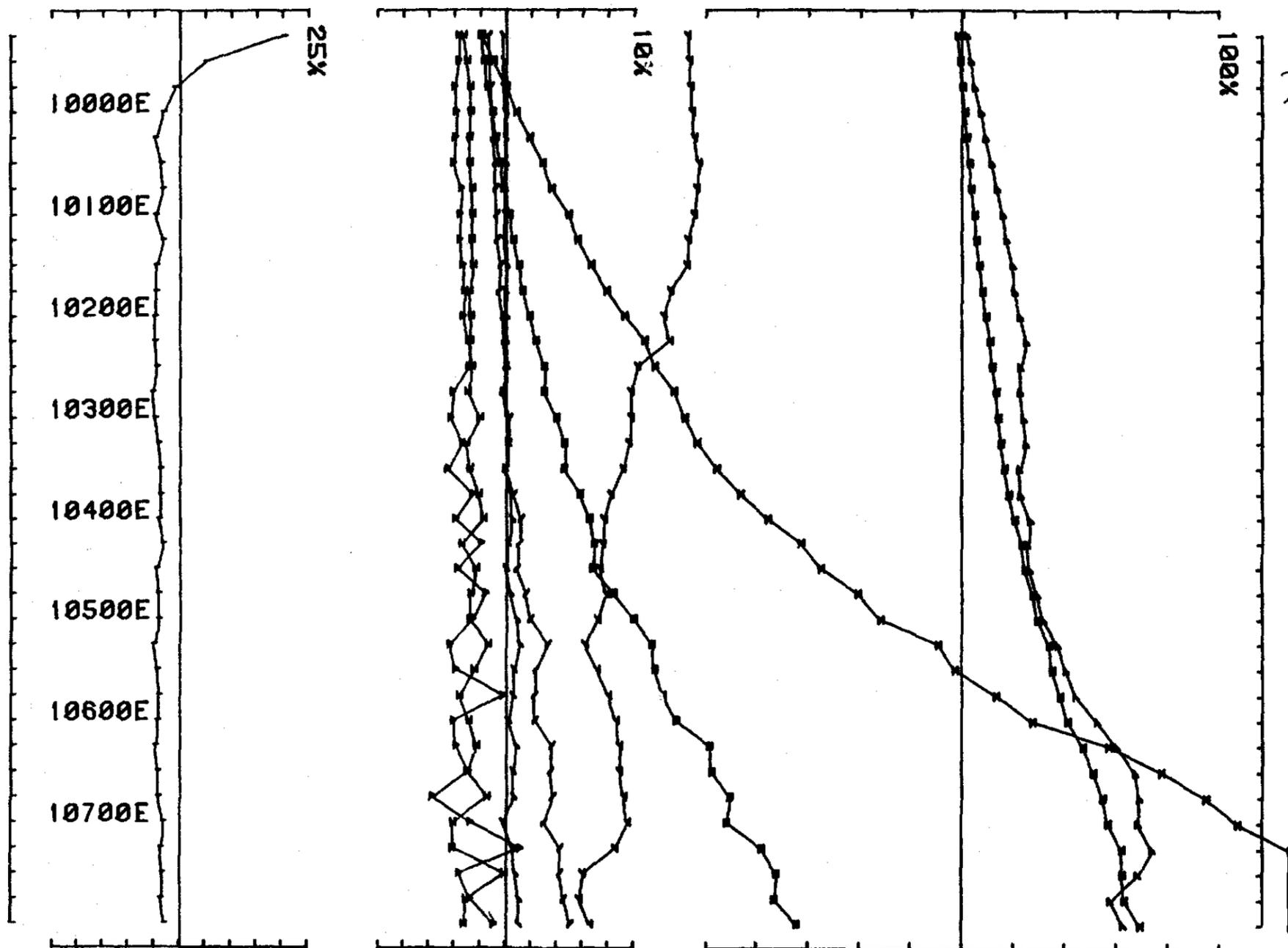


230

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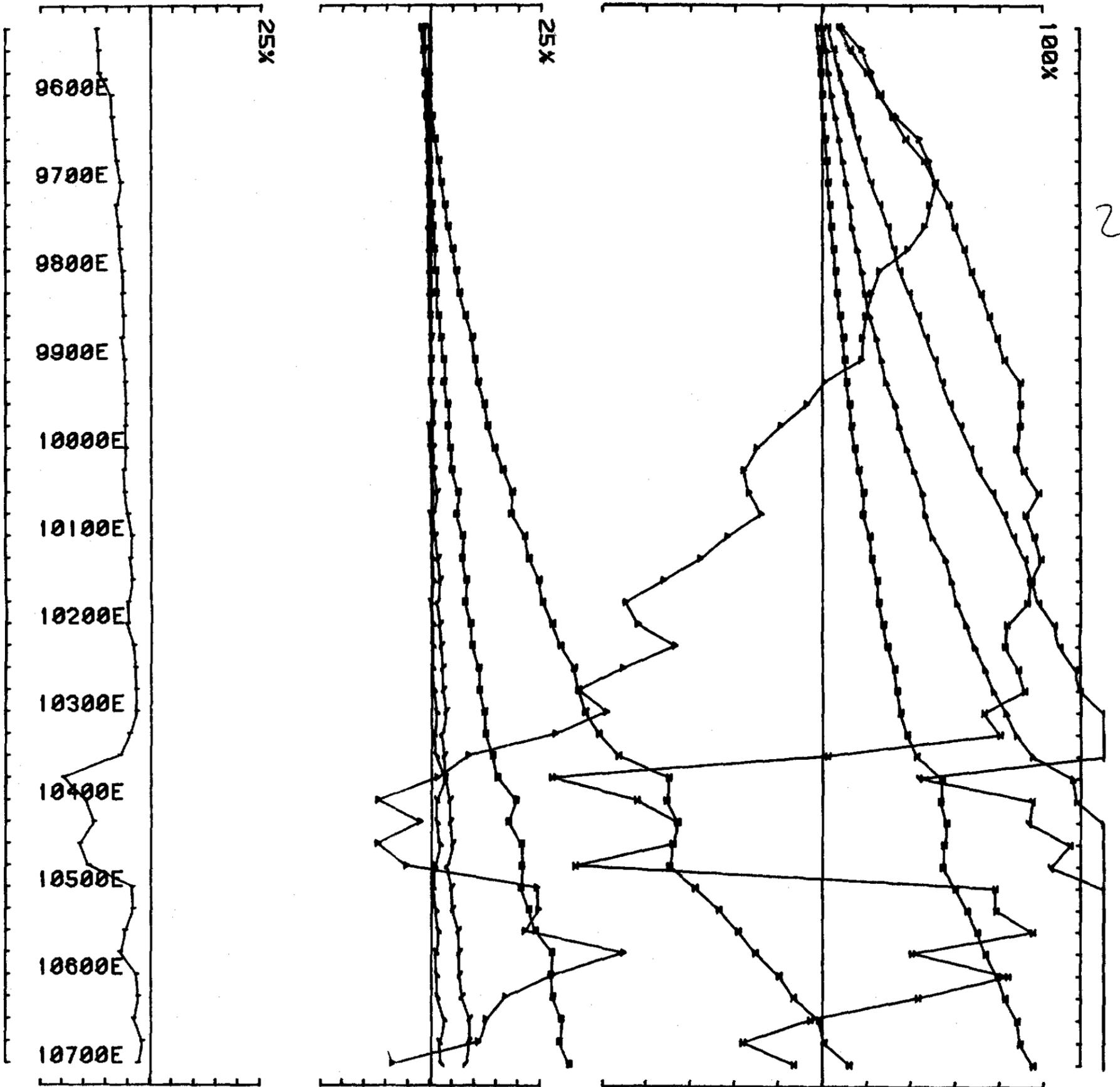
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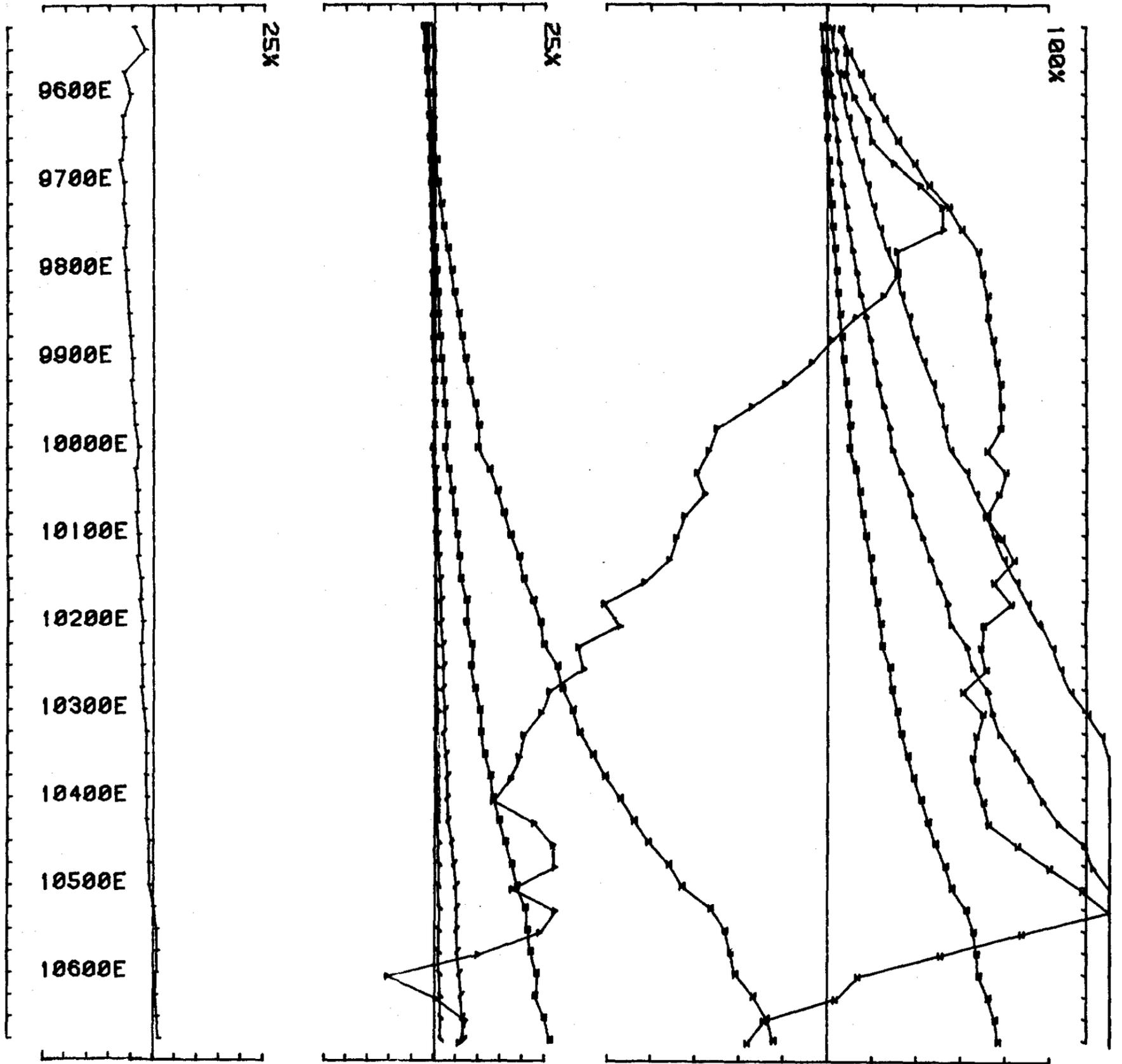
APPENDIX IX - B

UTEM III PROFILES, TX LOOP 2 (V19)



233

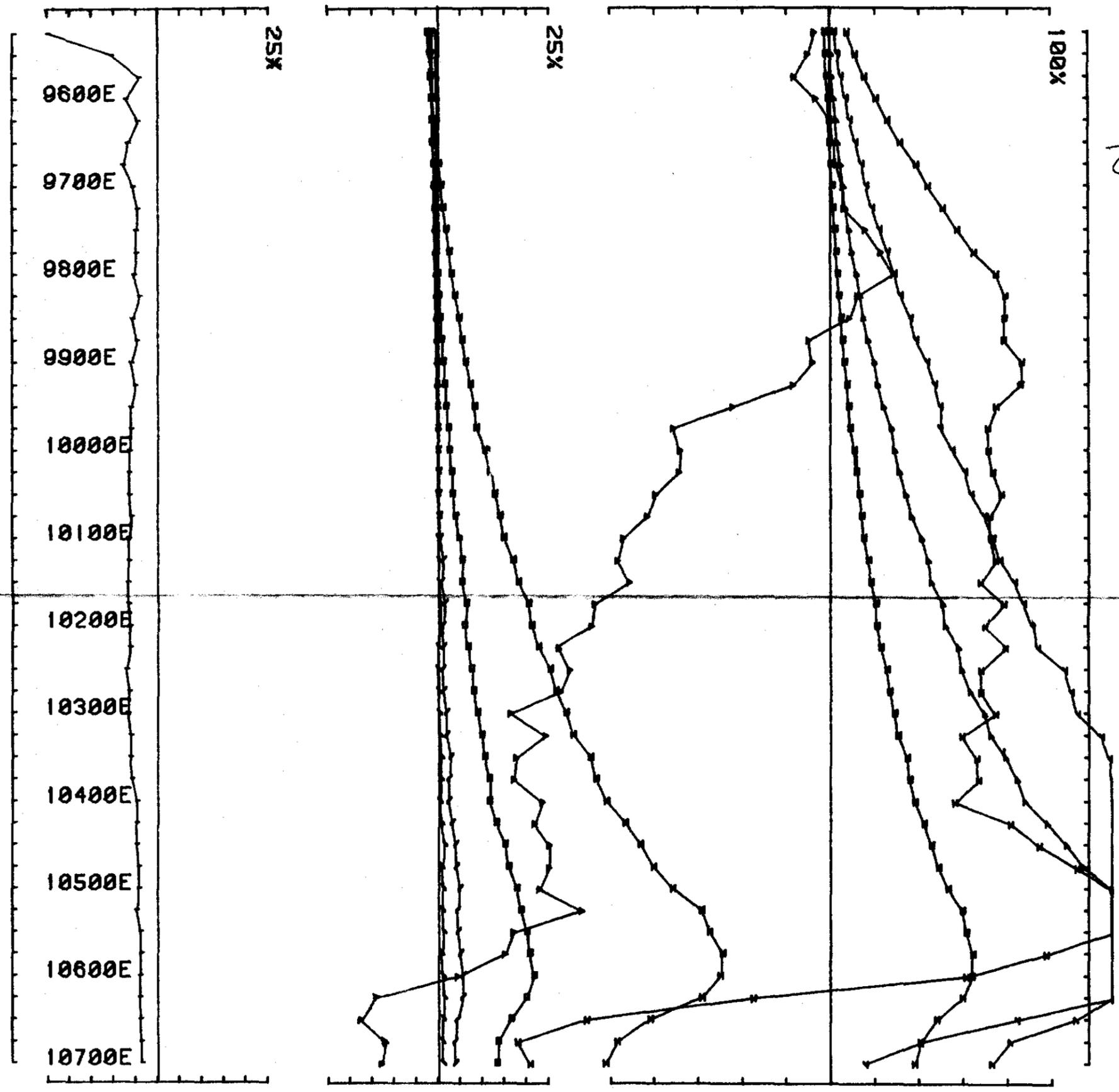
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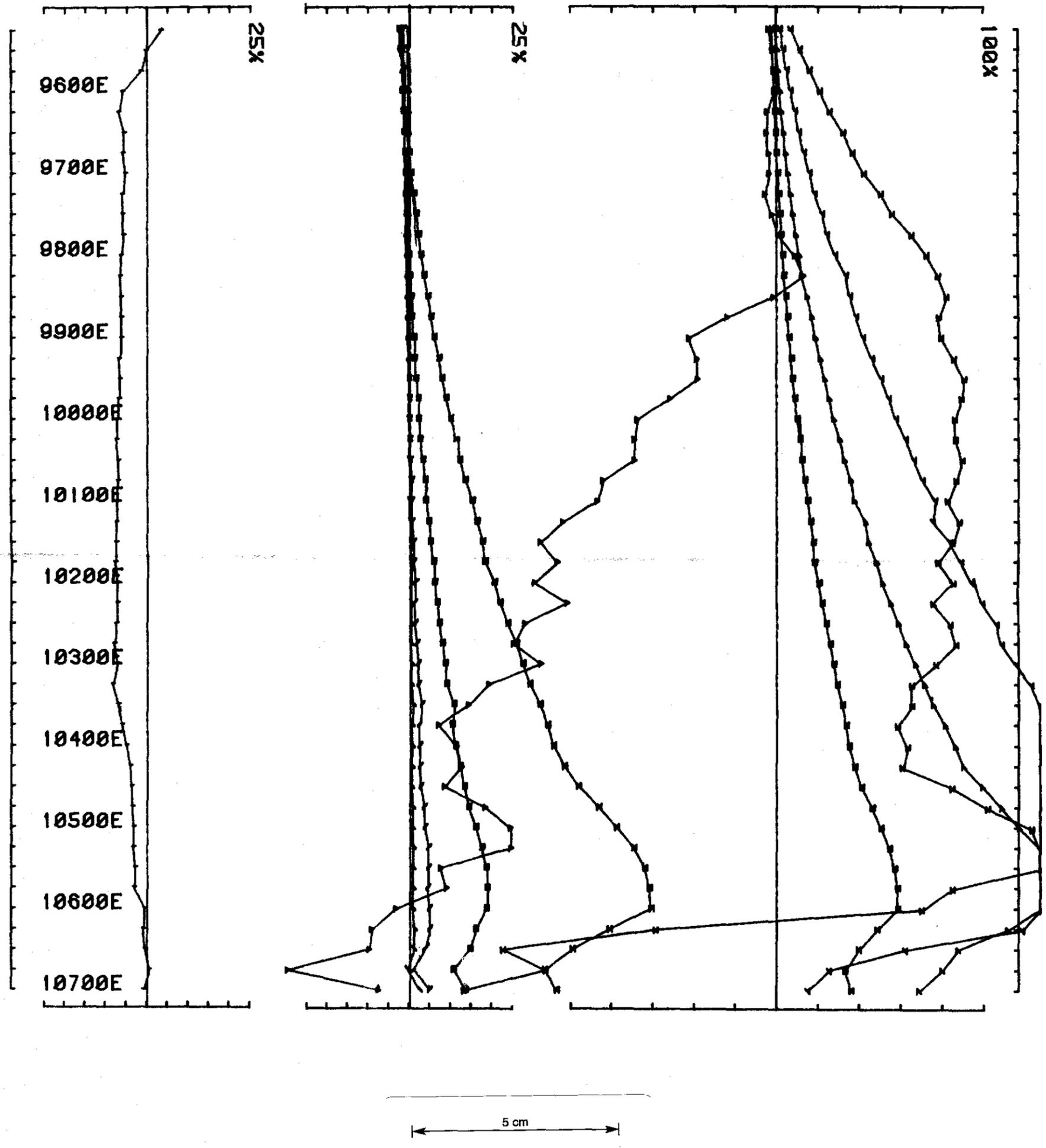
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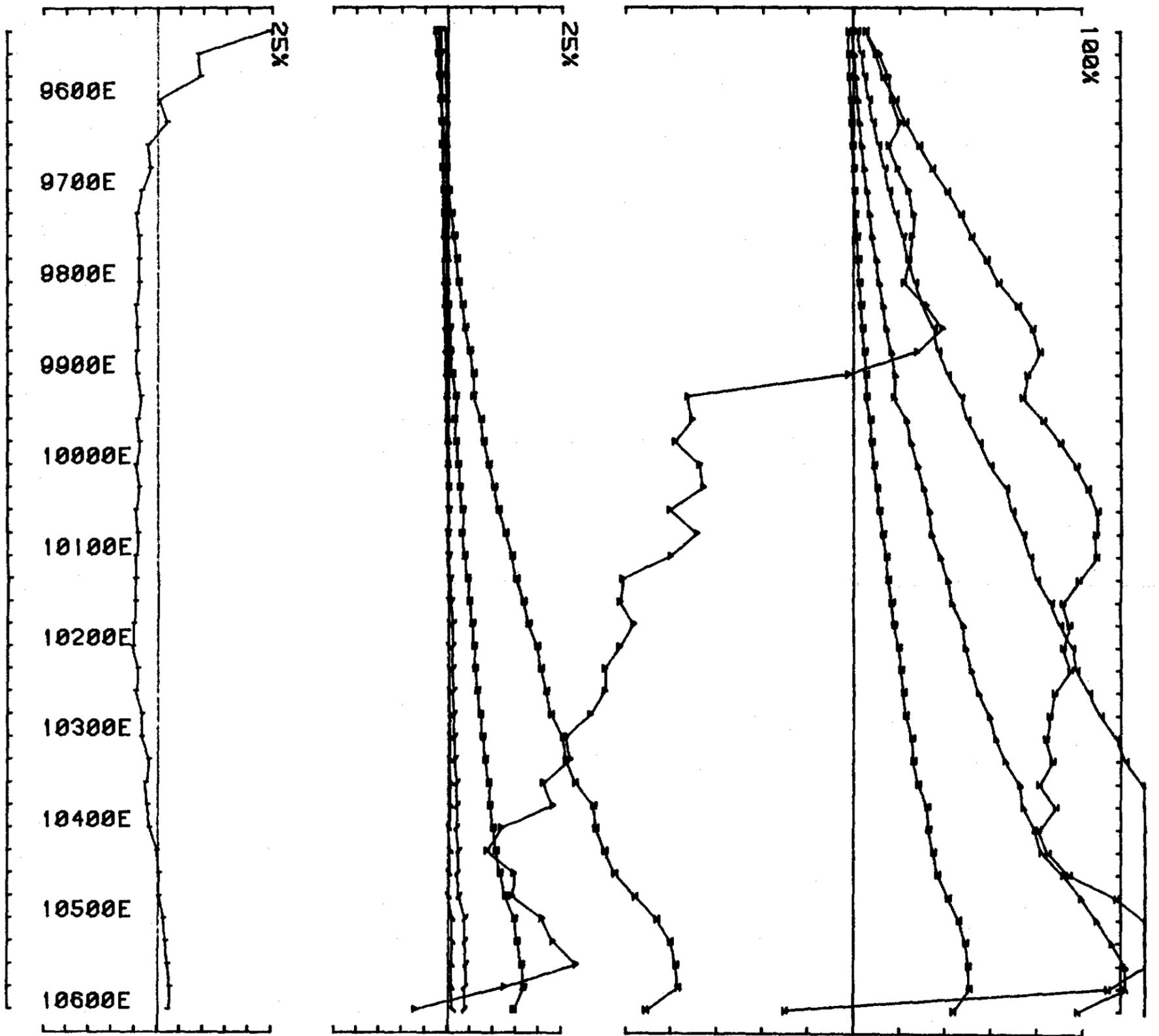


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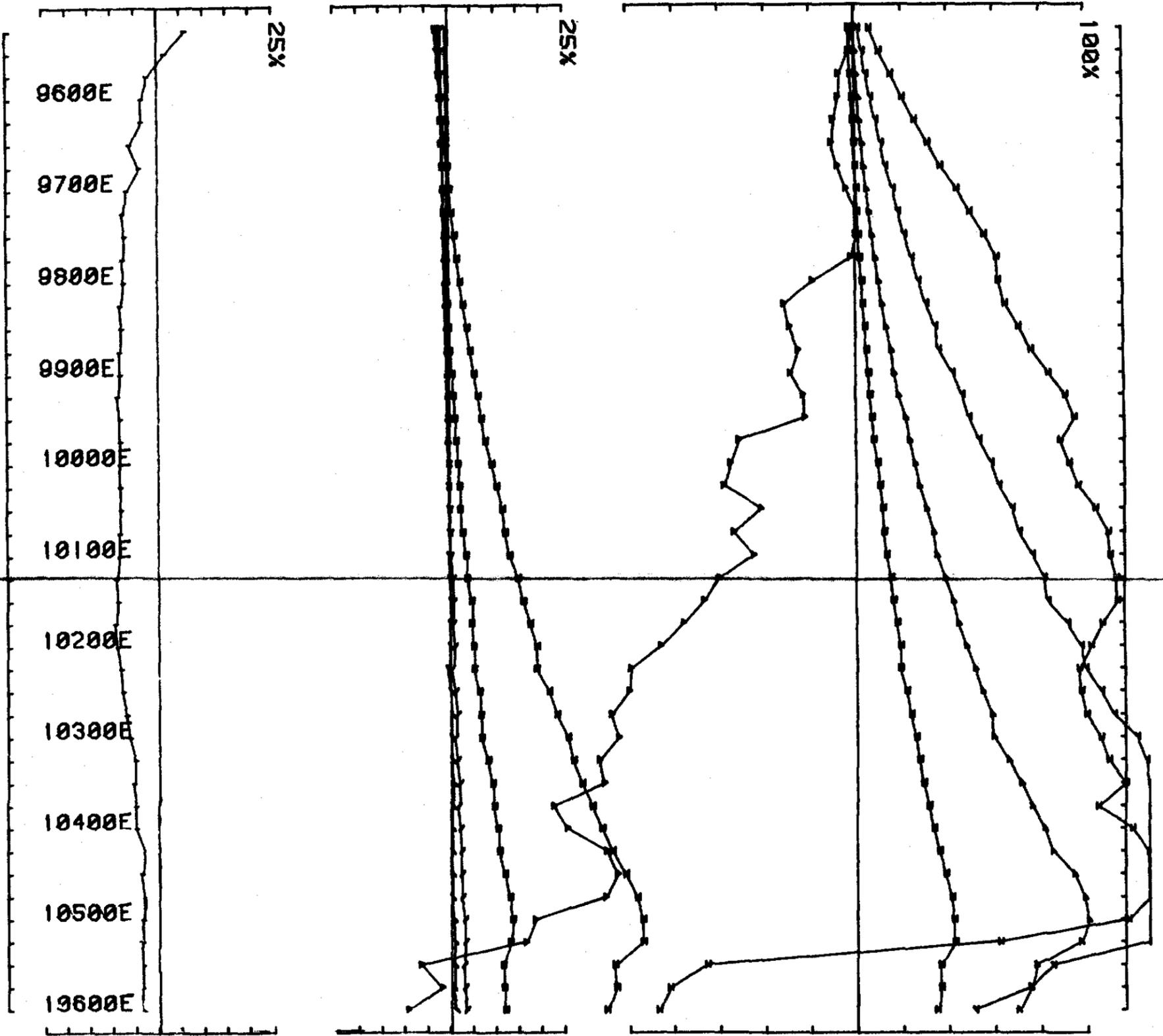
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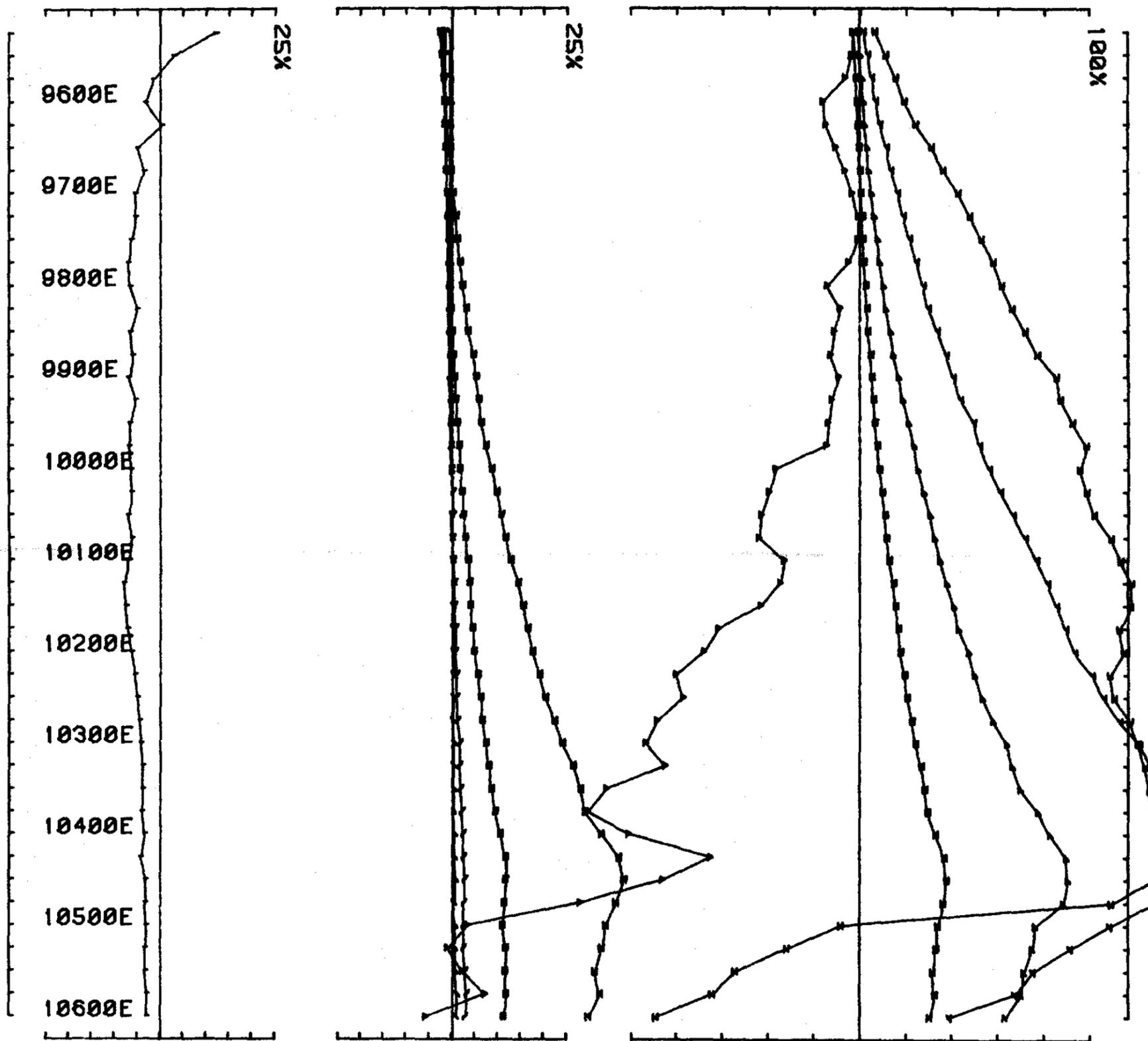
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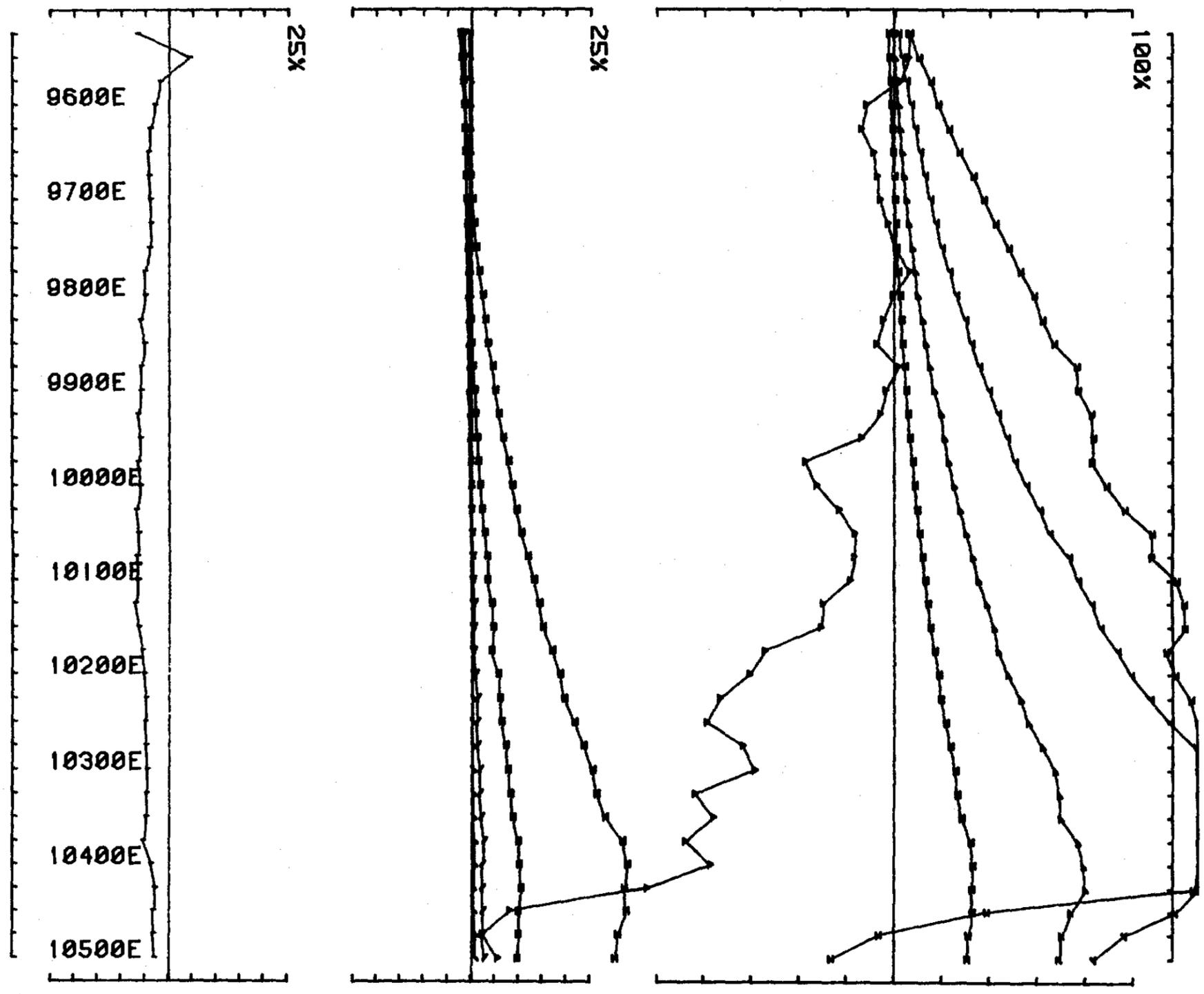
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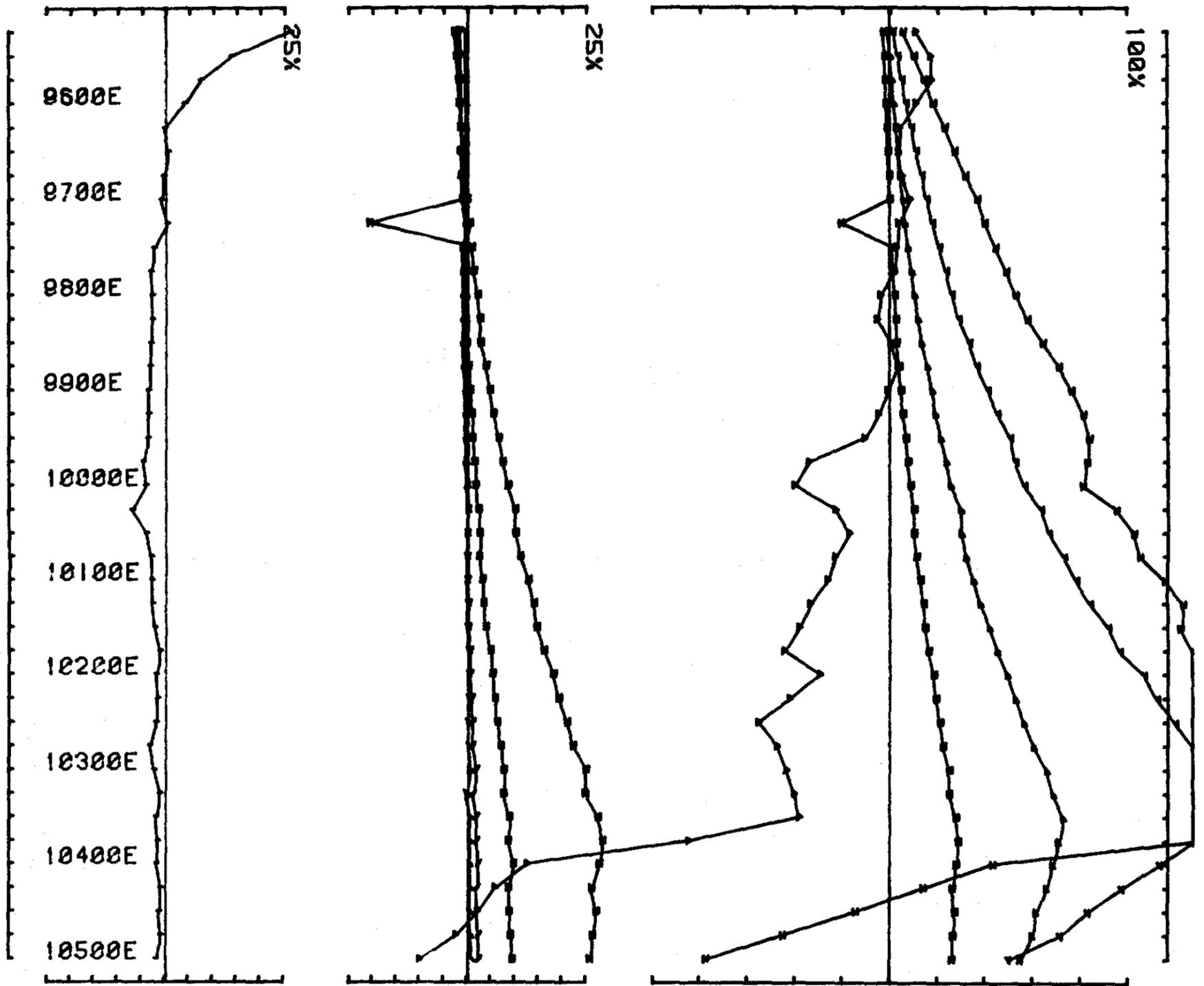
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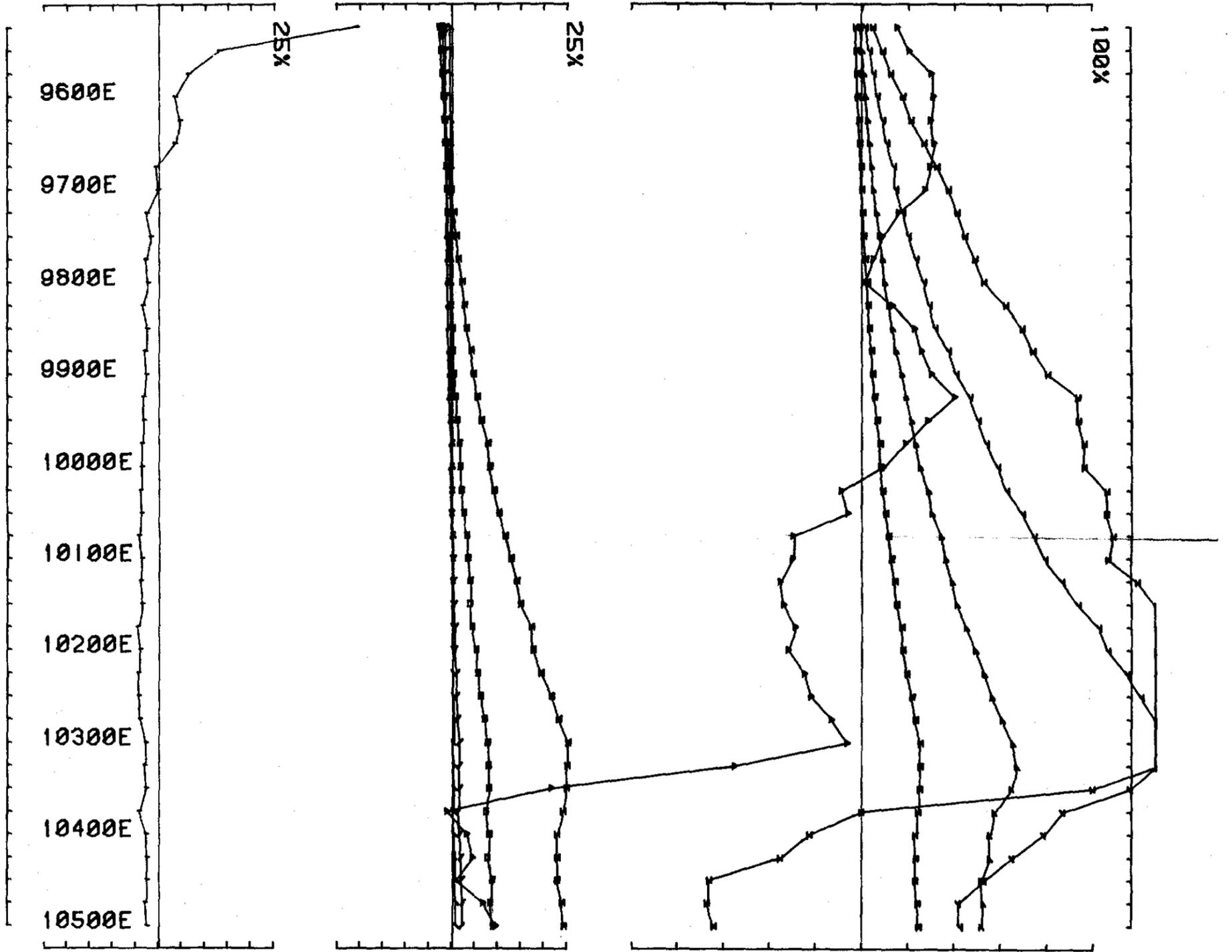
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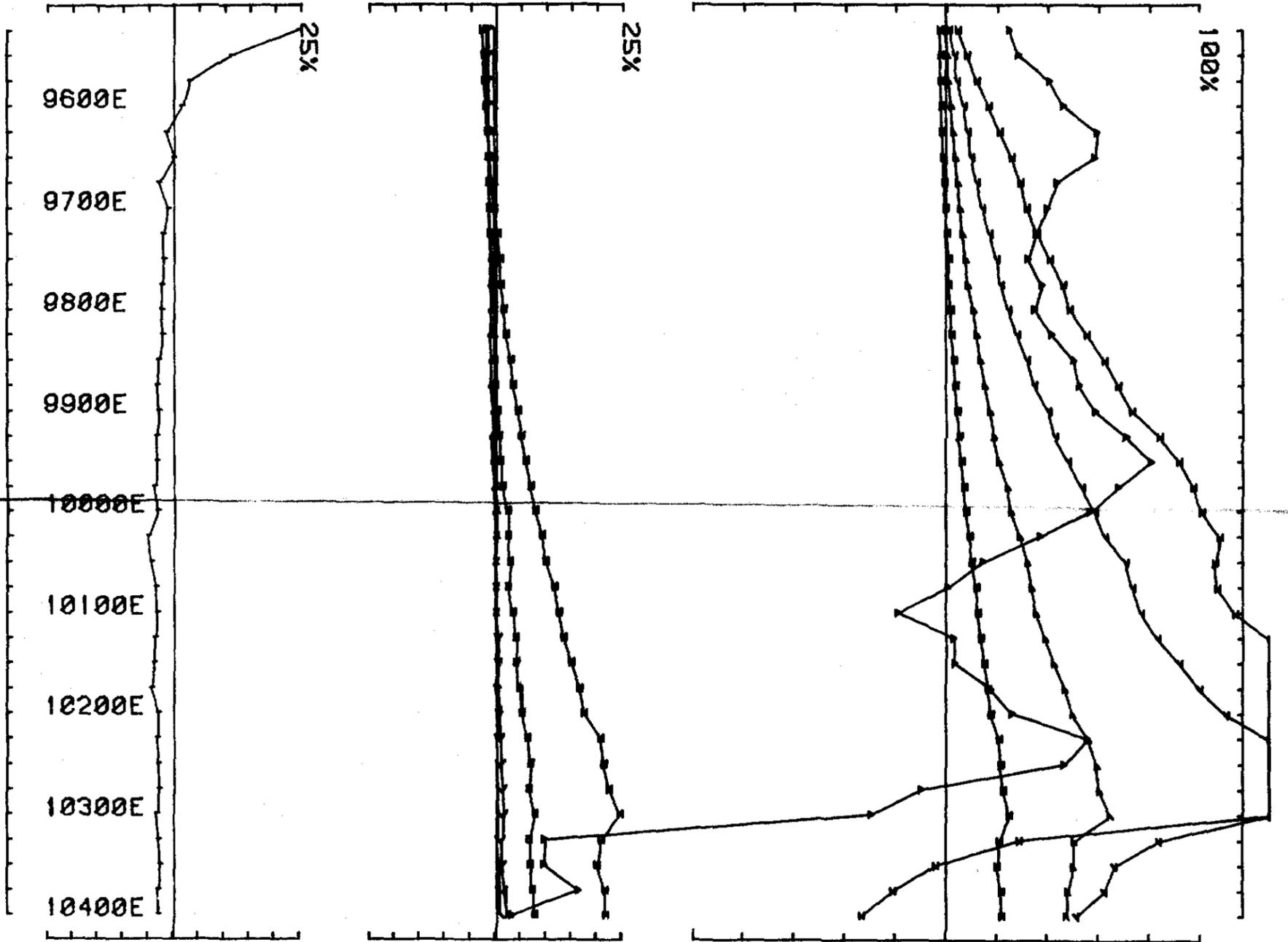
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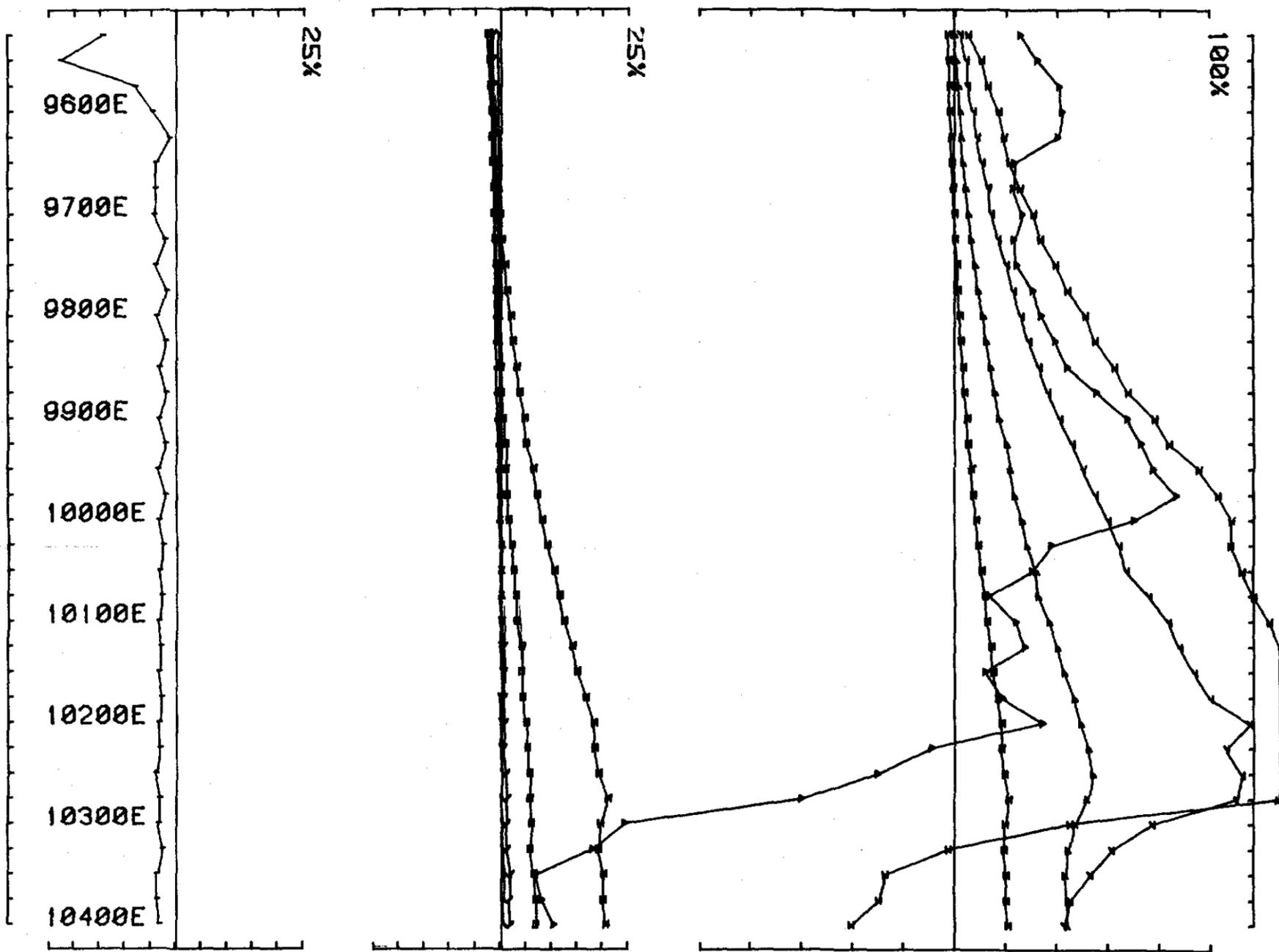
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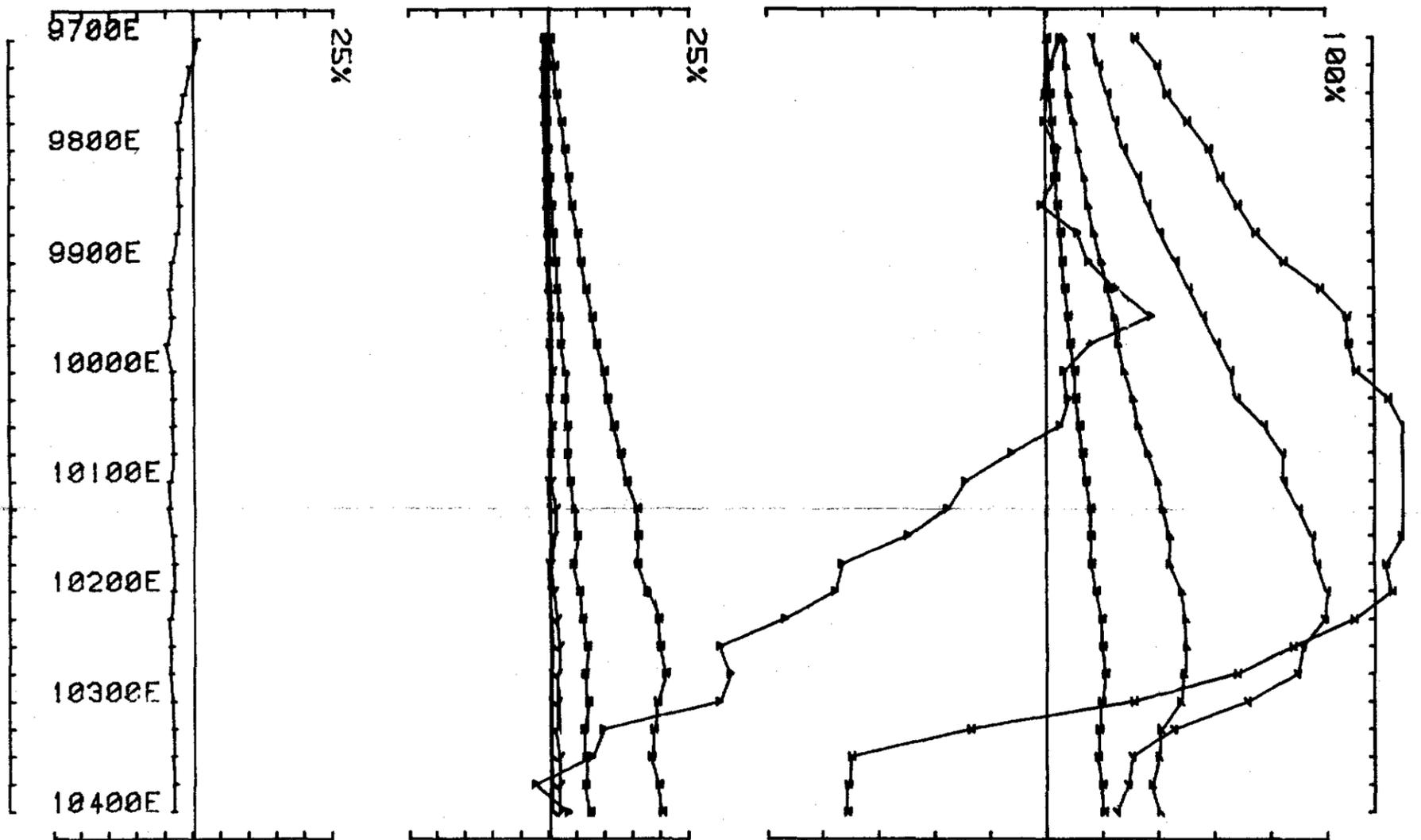
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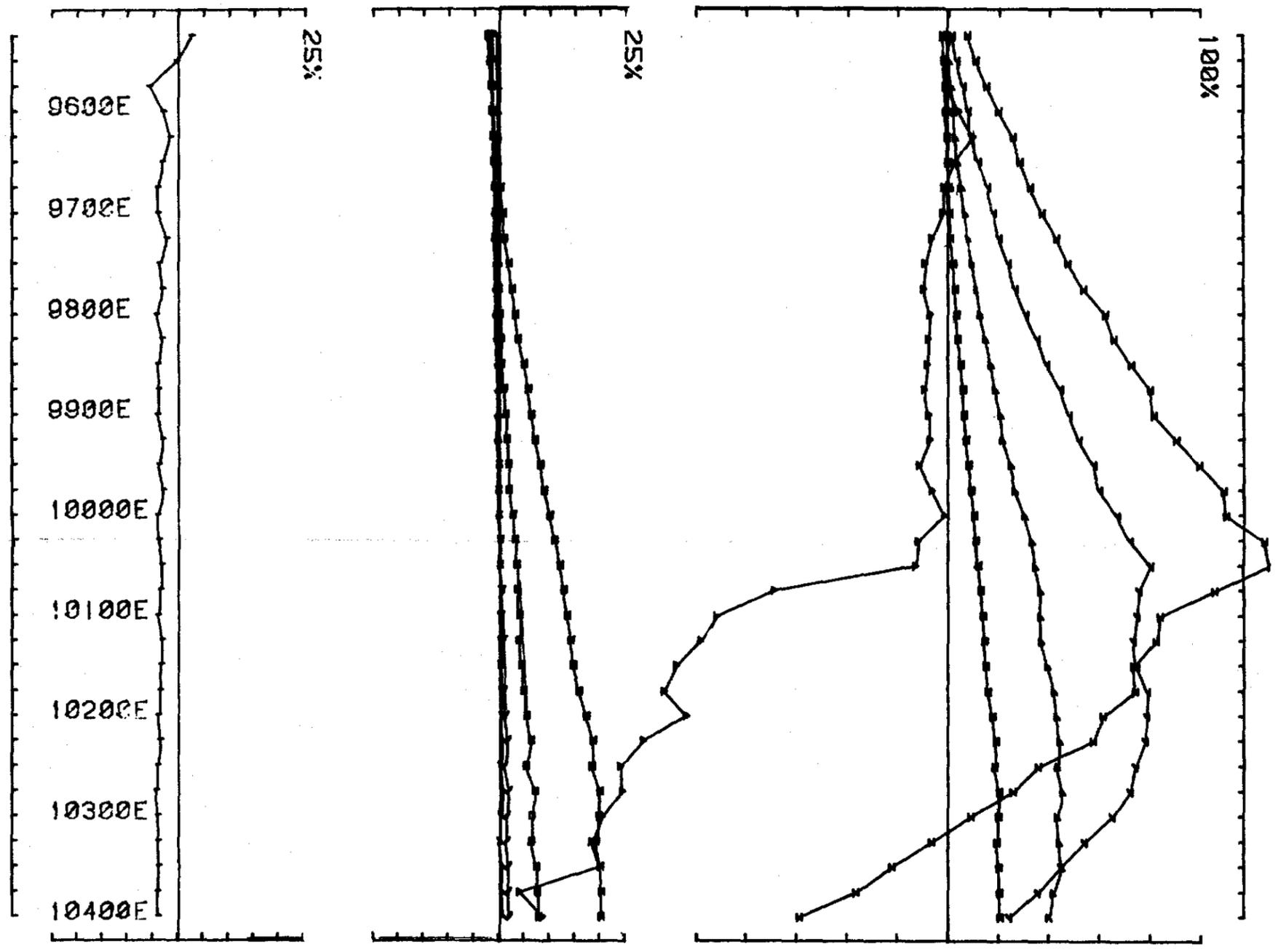
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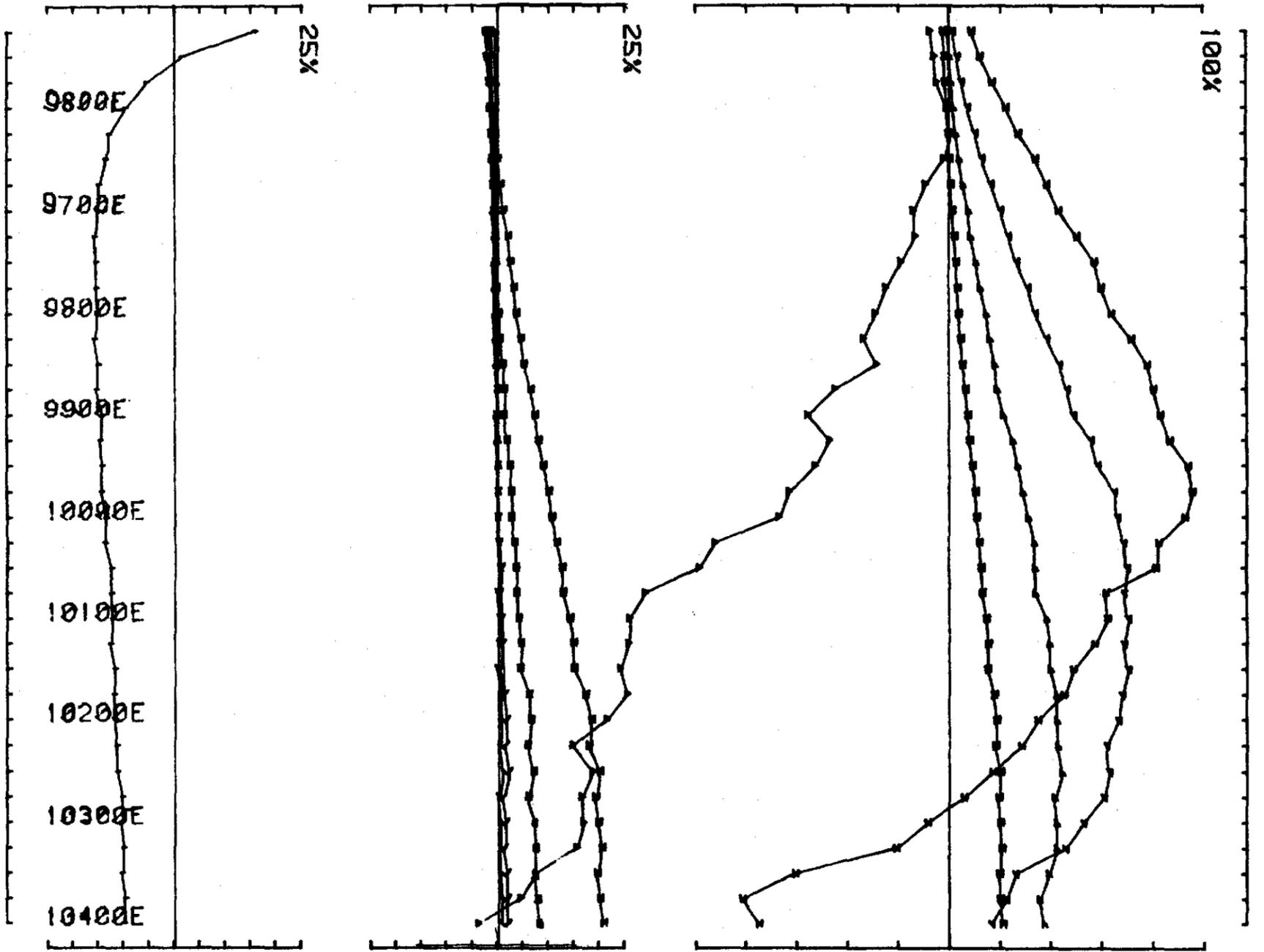
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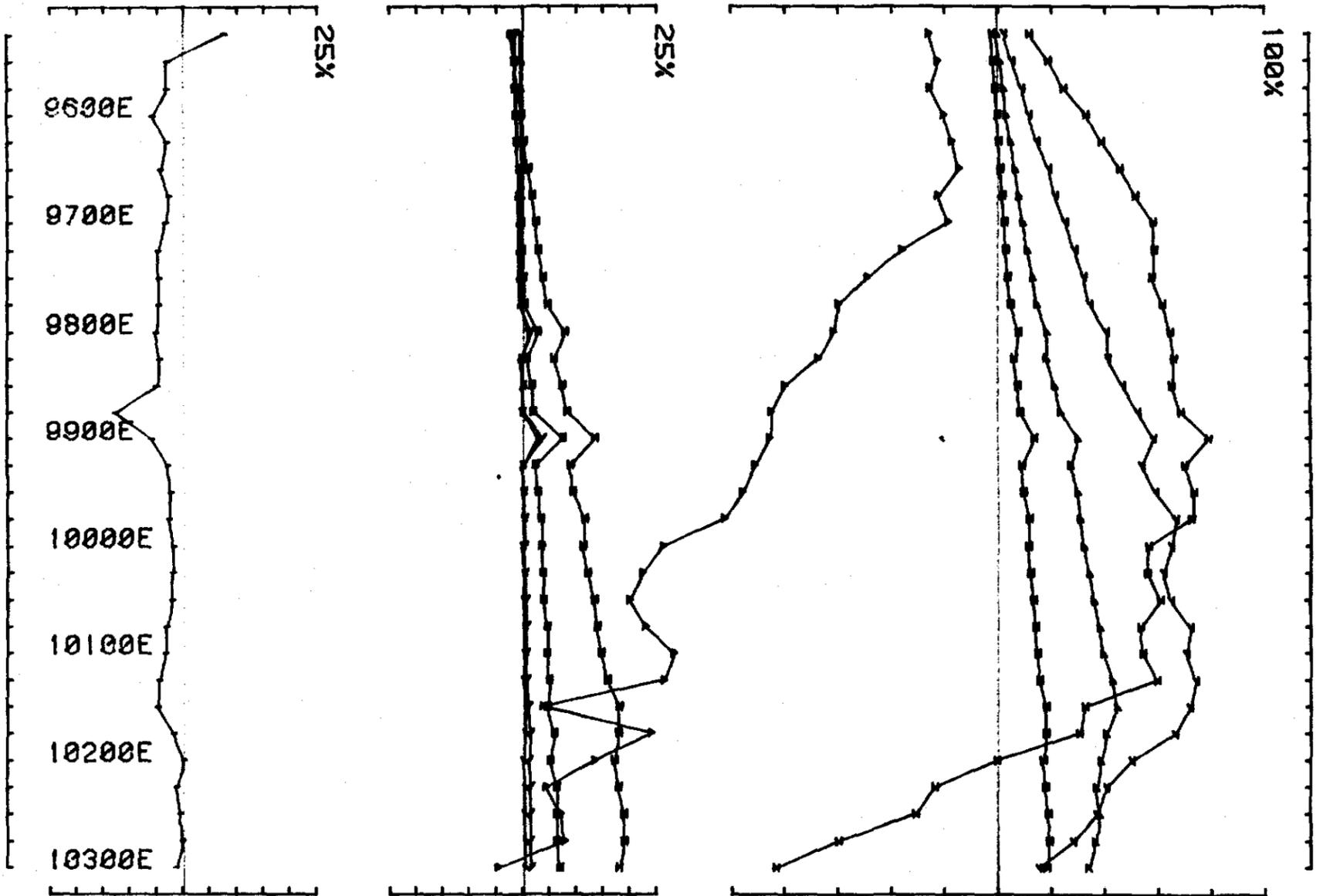
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UTEM SURVEY conducted by PMM BJS Job 1102

Project Area Voyager 19 Survey for Geopiko freq(hz) 26.230

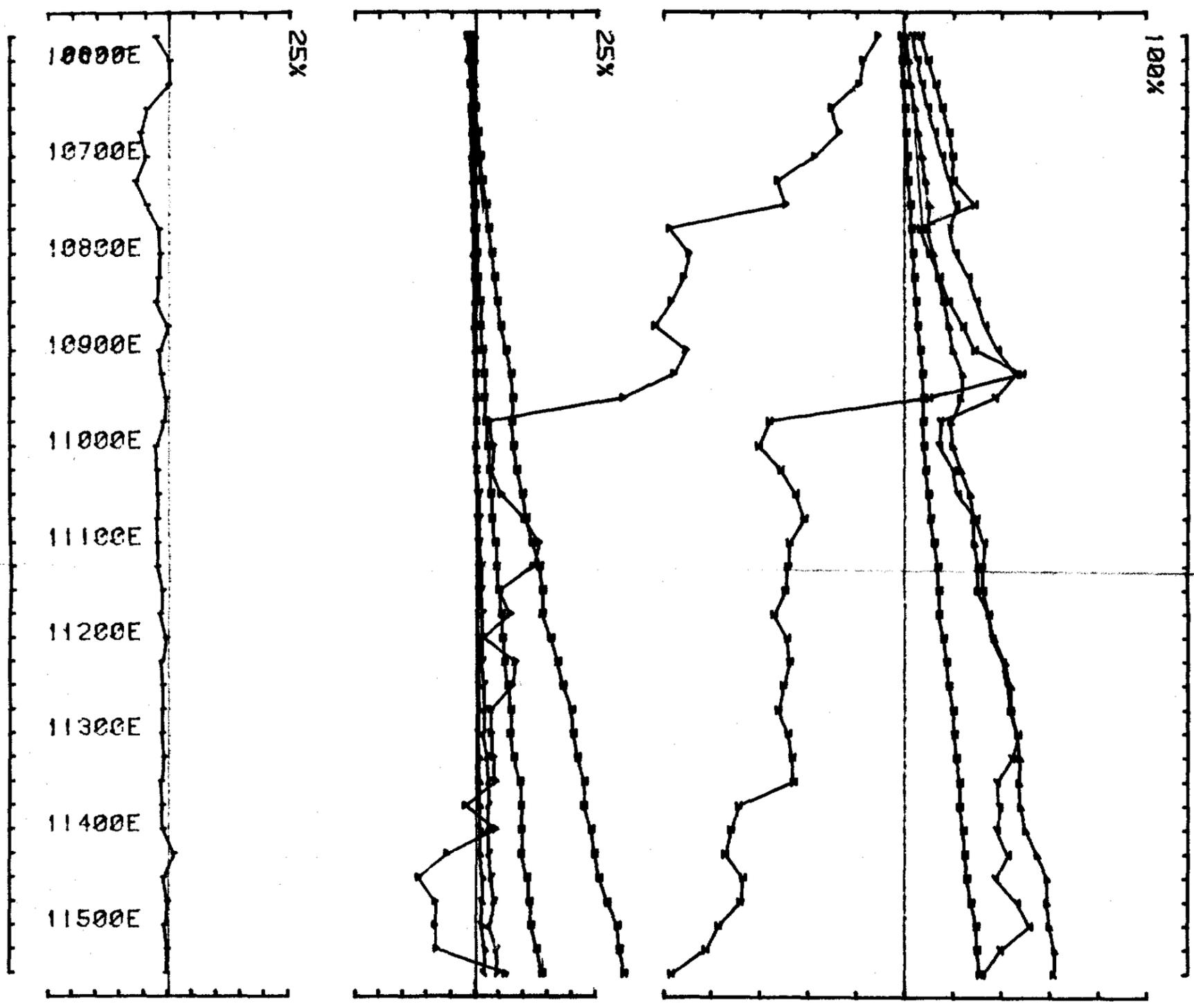
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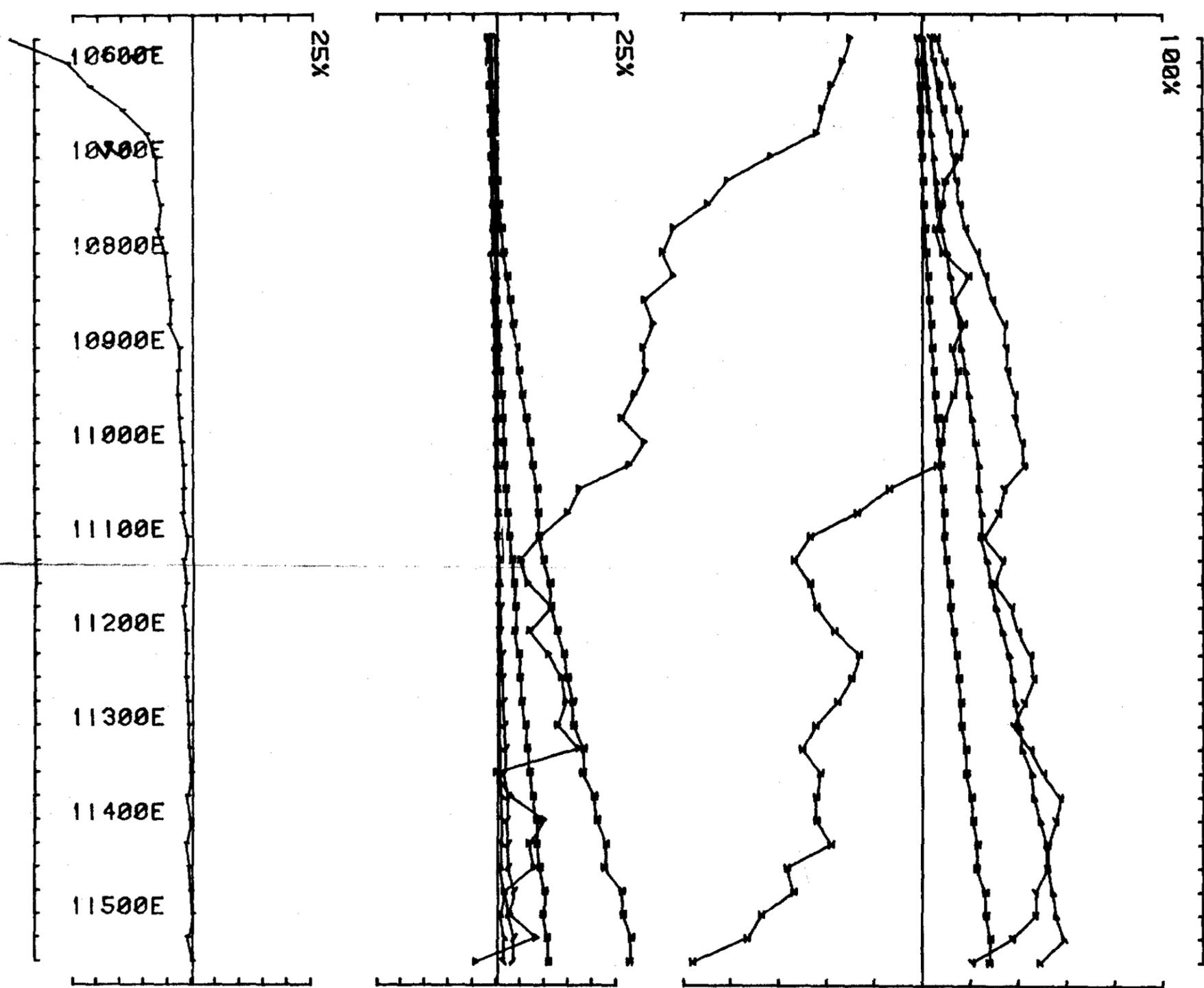
APPENDIX IX - C

UTEM III PROFILES, T x LOOP 3 (V9)

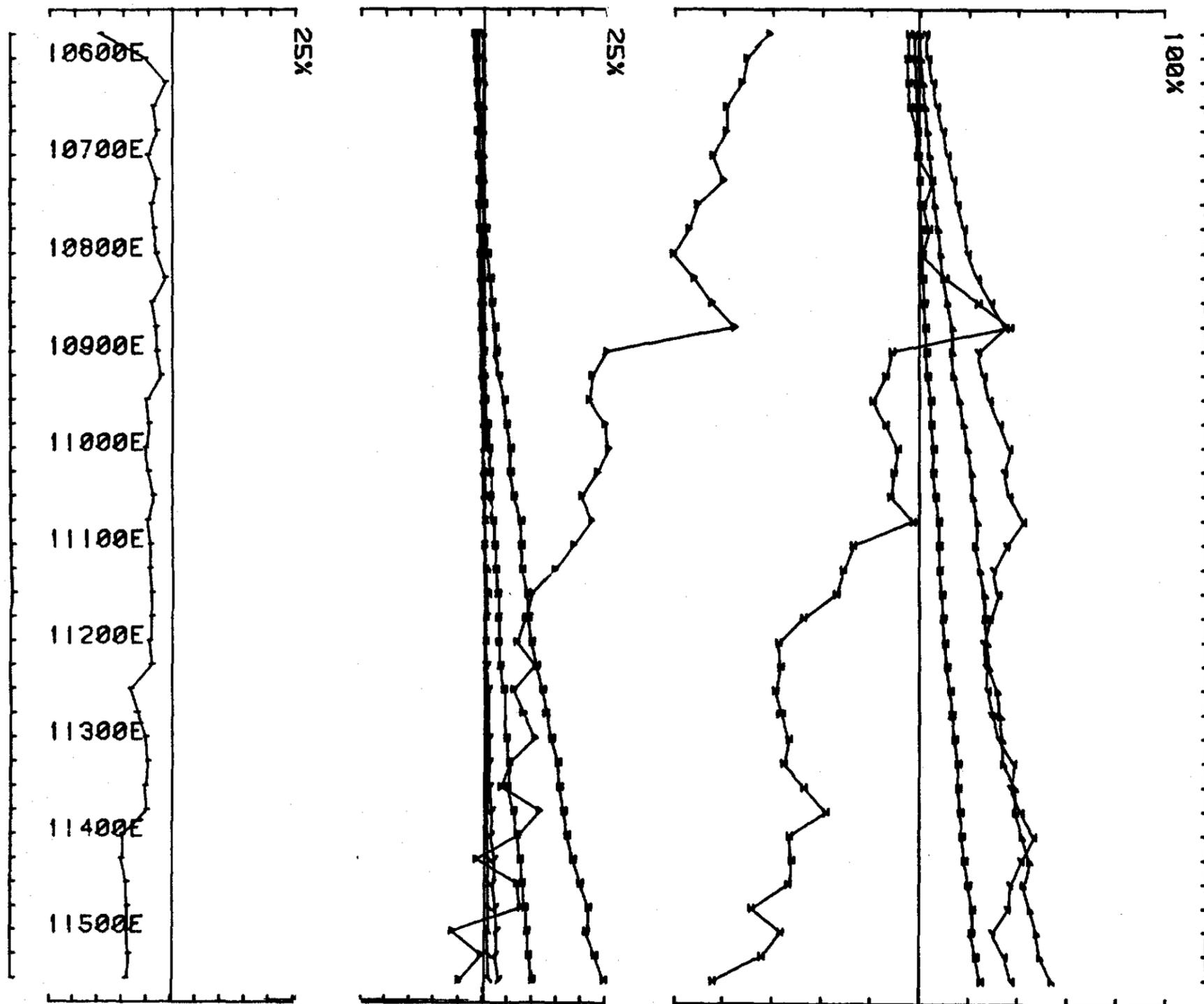


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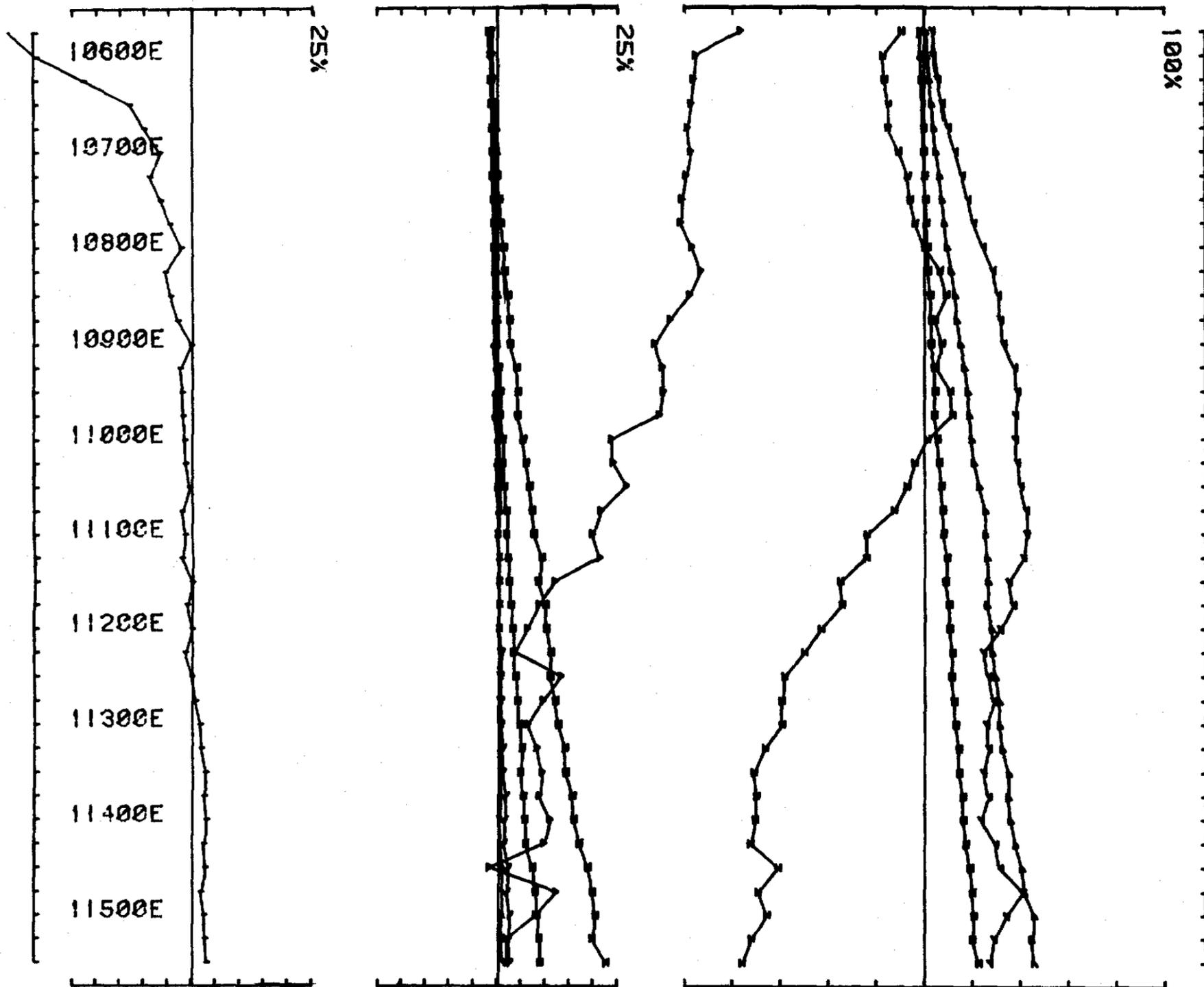
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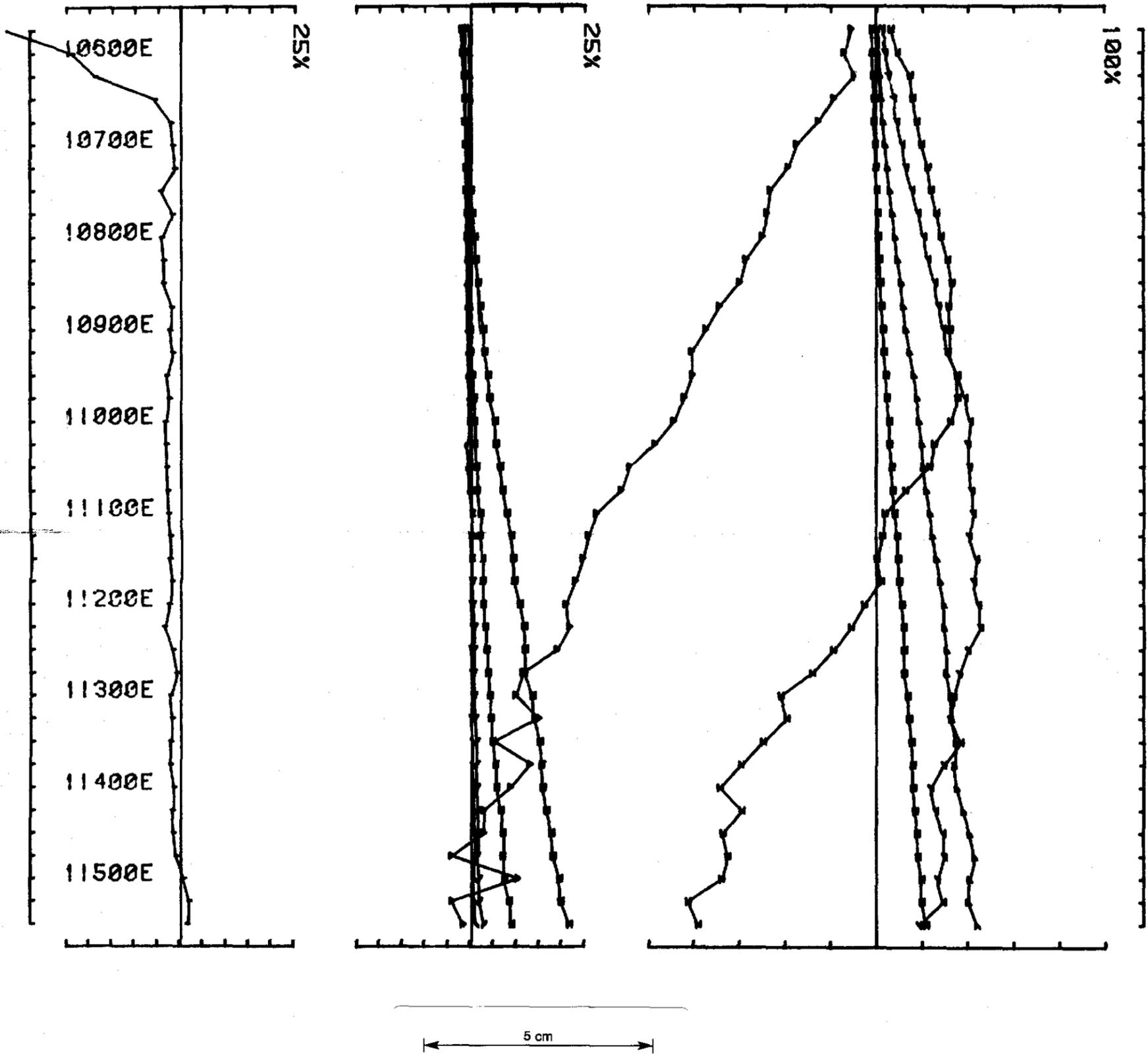


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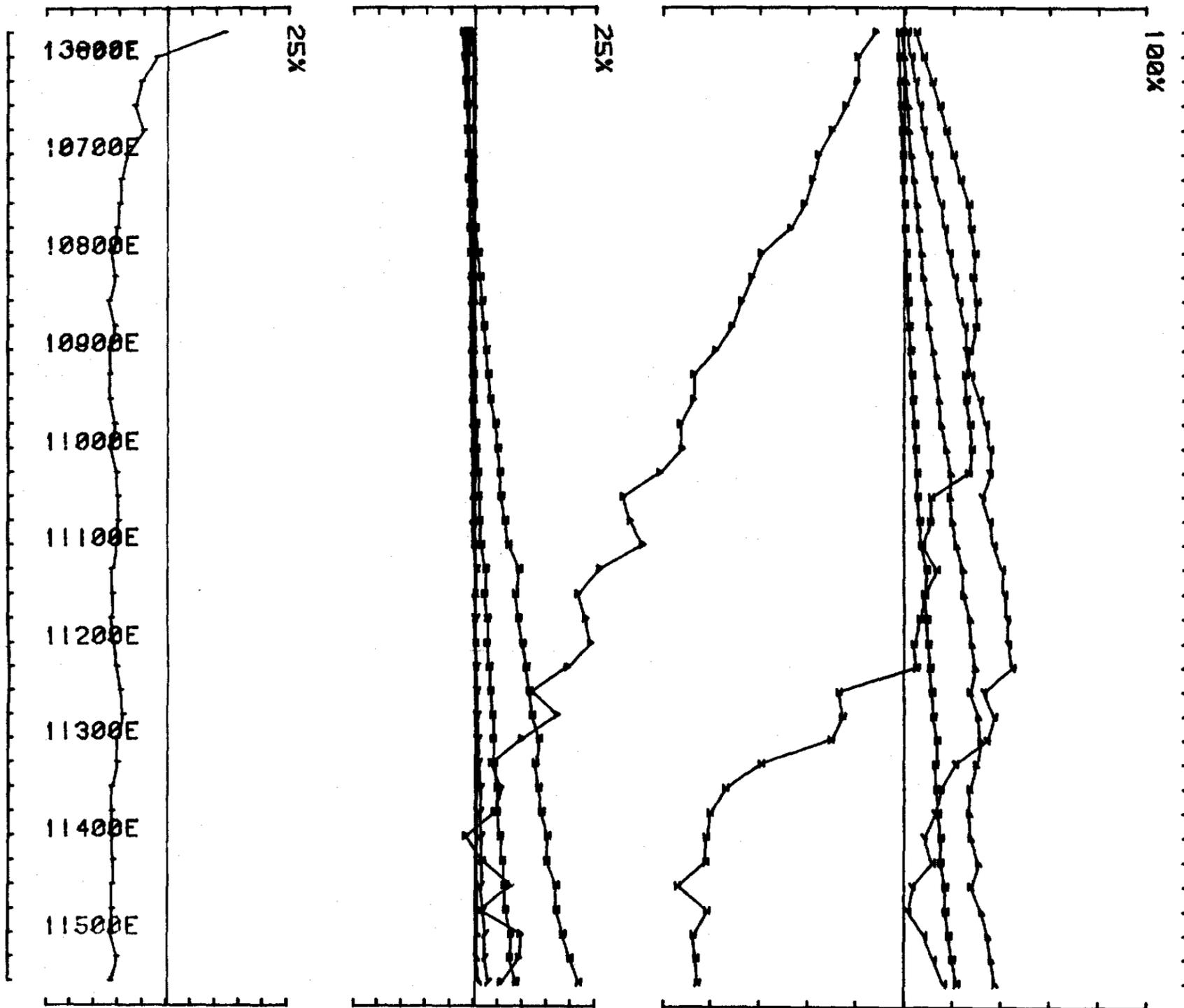


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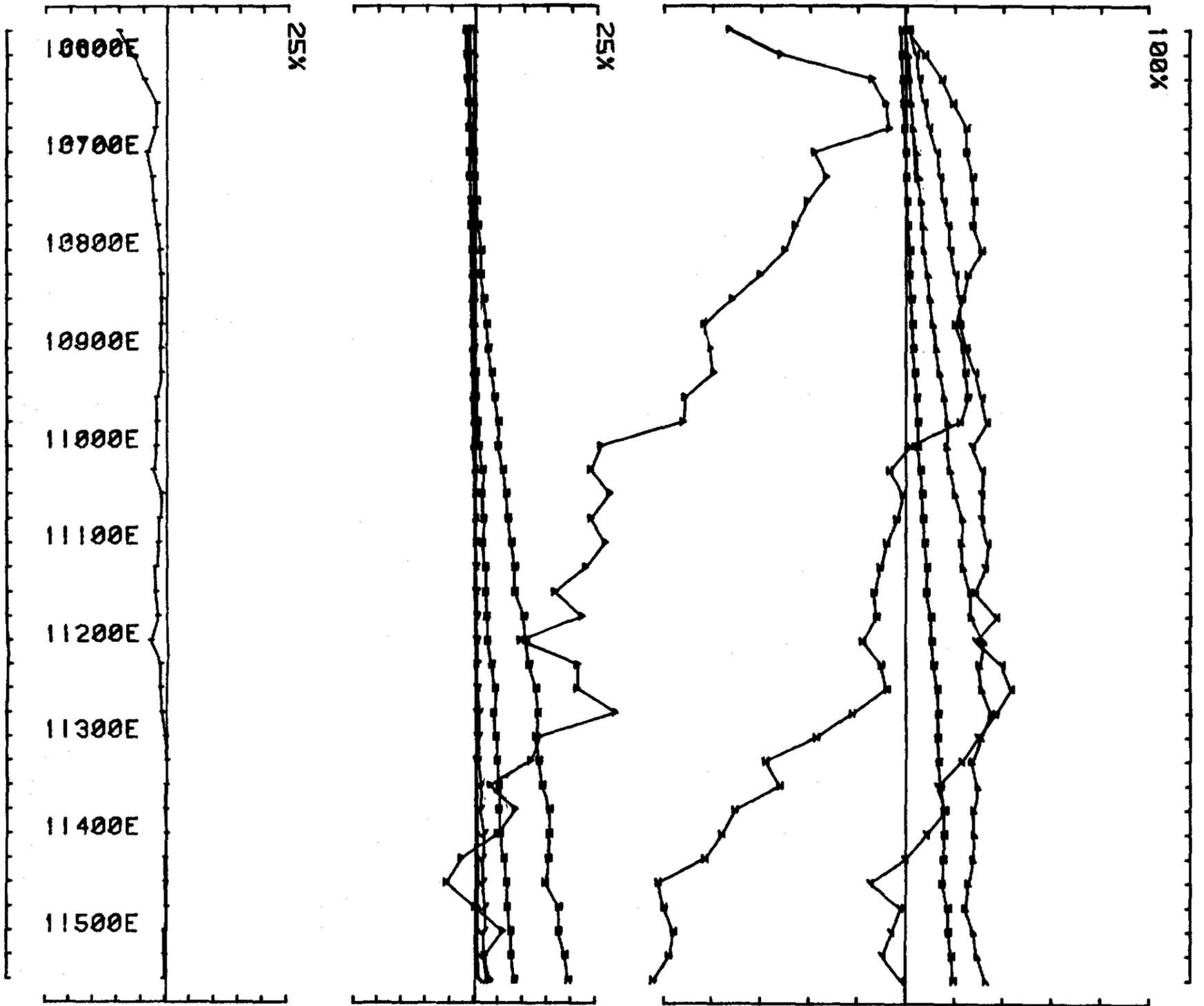
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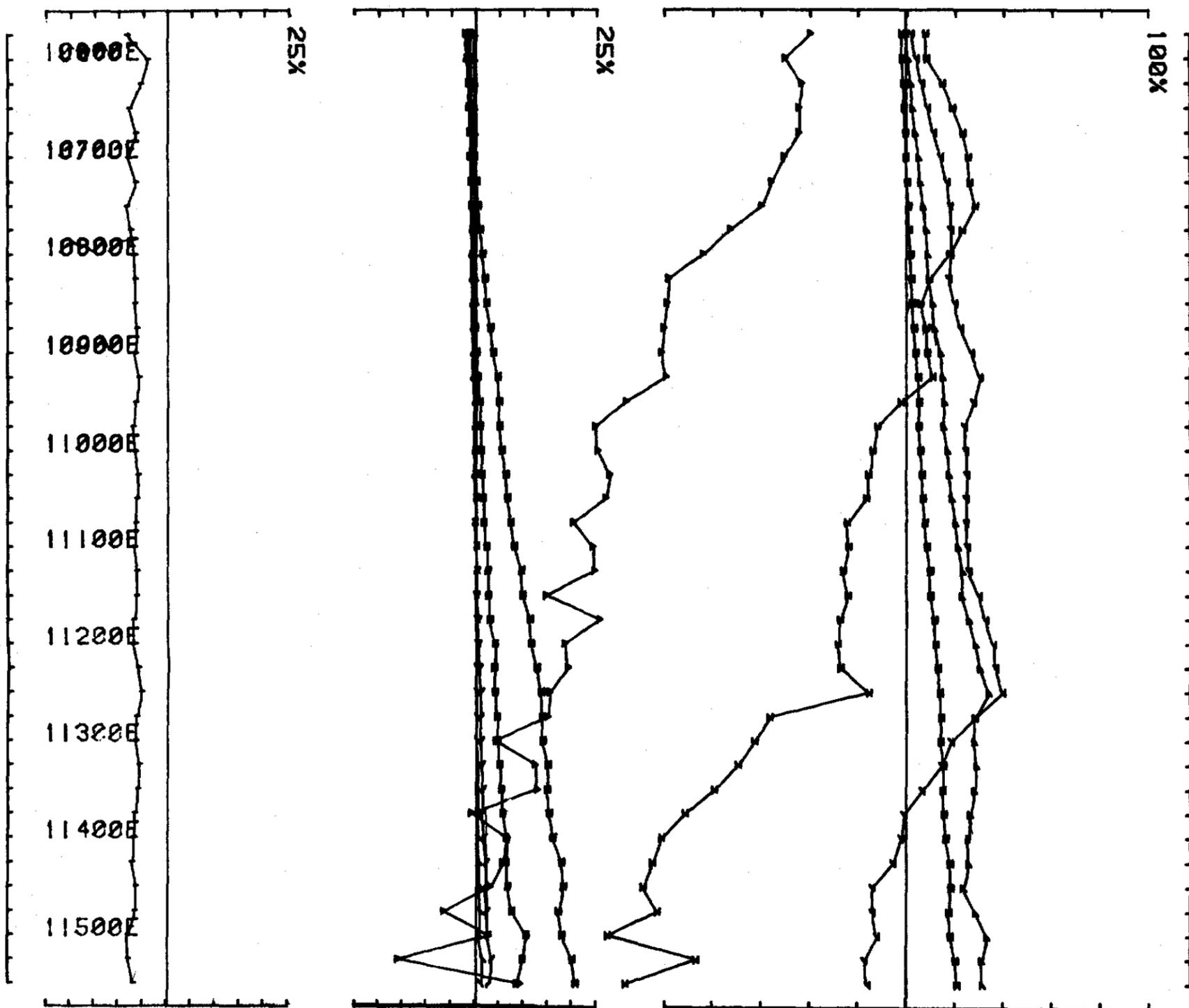
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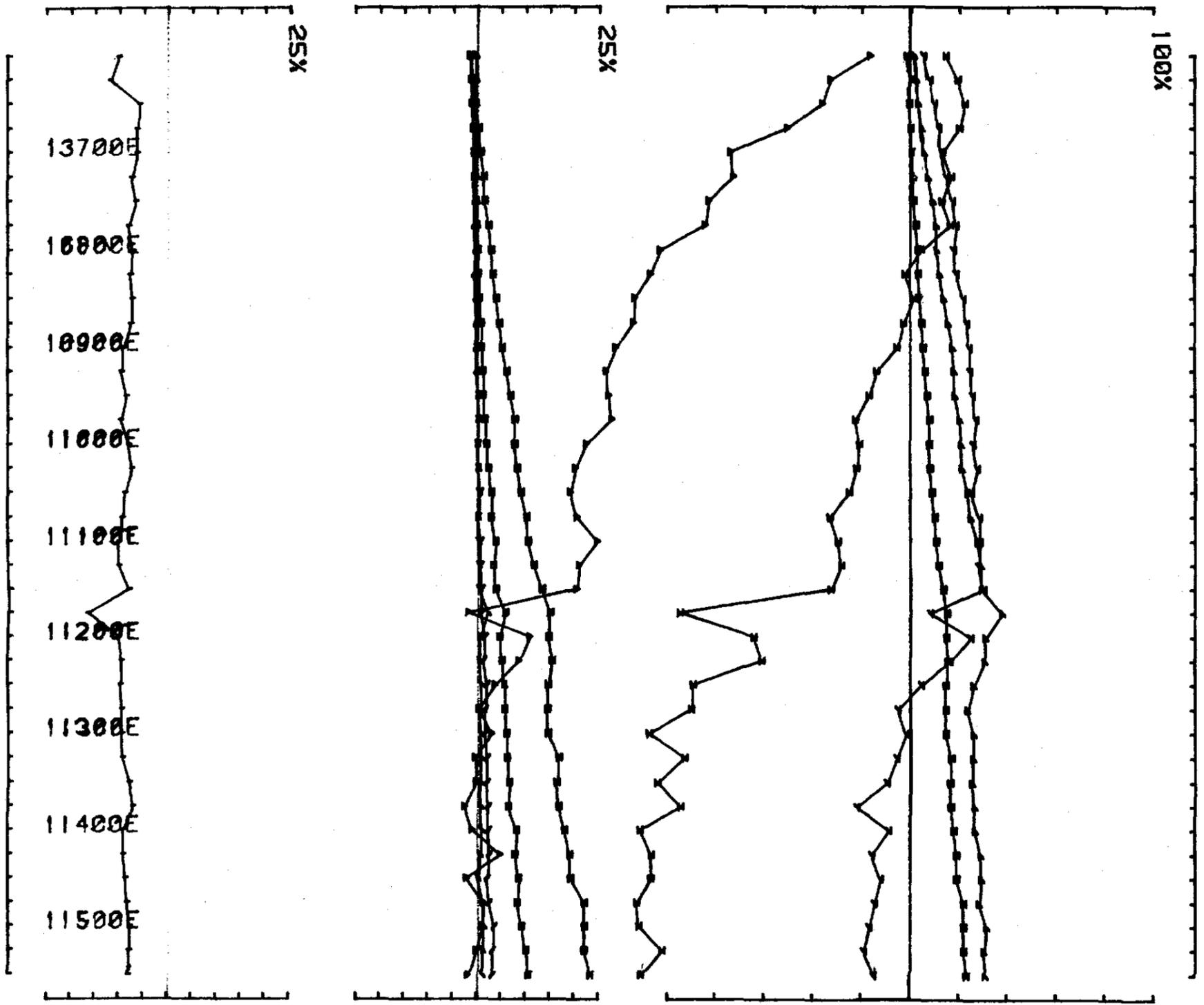
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UTEM SURVEY conducted by PMM BJS Job 1102  
Project Area Voyager 9 Survey for Geopoko freq(hz) 26.230  
Loopno 0003 Line 8800N component Hz secondary Ch 1



UTEM SURVEY conducted by PMM BJS Job 1102  
Project Area Voyager 9 Survey for Geopko freq(hz) 26.230  
Loopno 0003 Line 9000N component Hz secondary Ch 1



5 cm

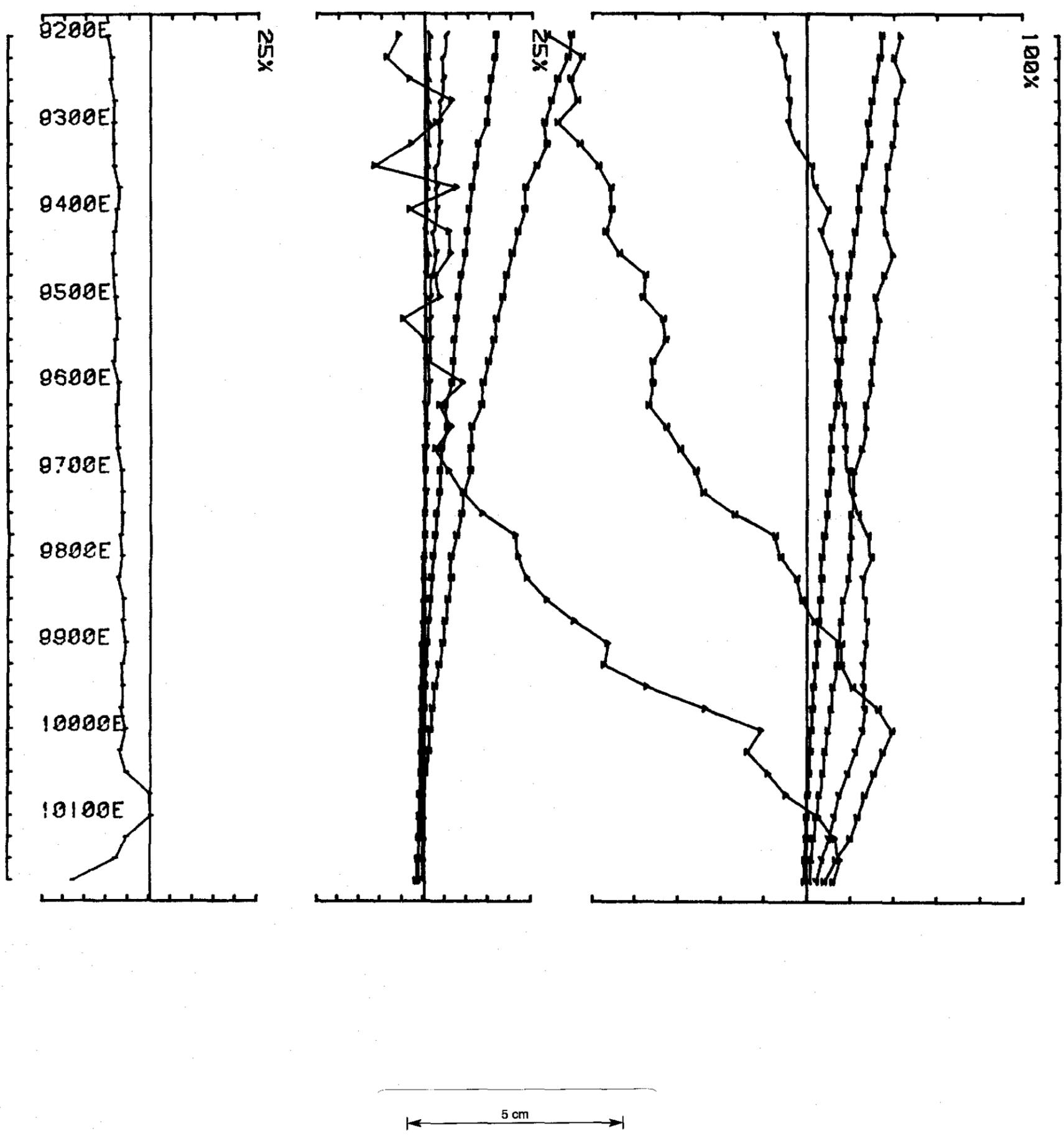
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259

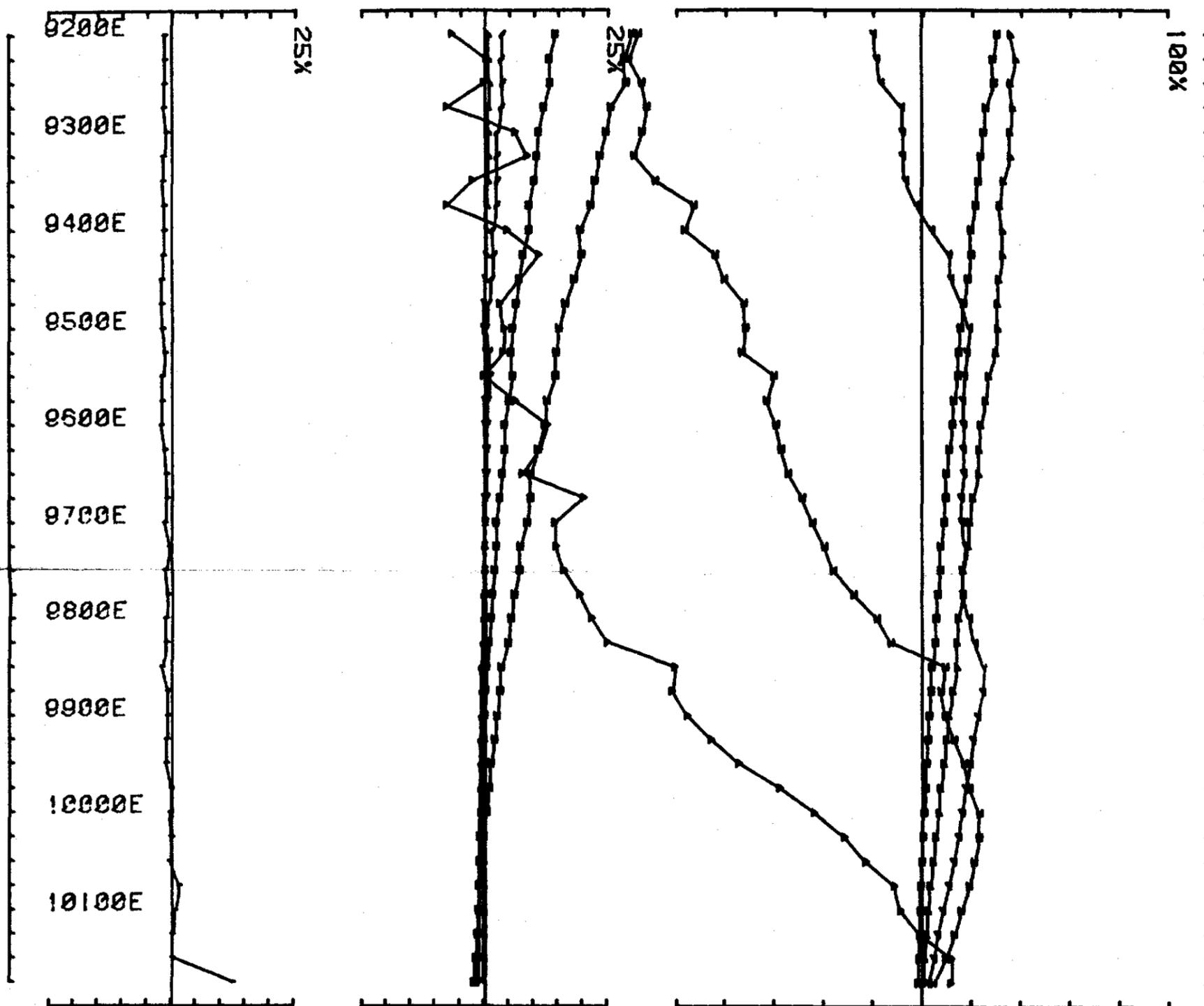
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APPENDIX IX - D

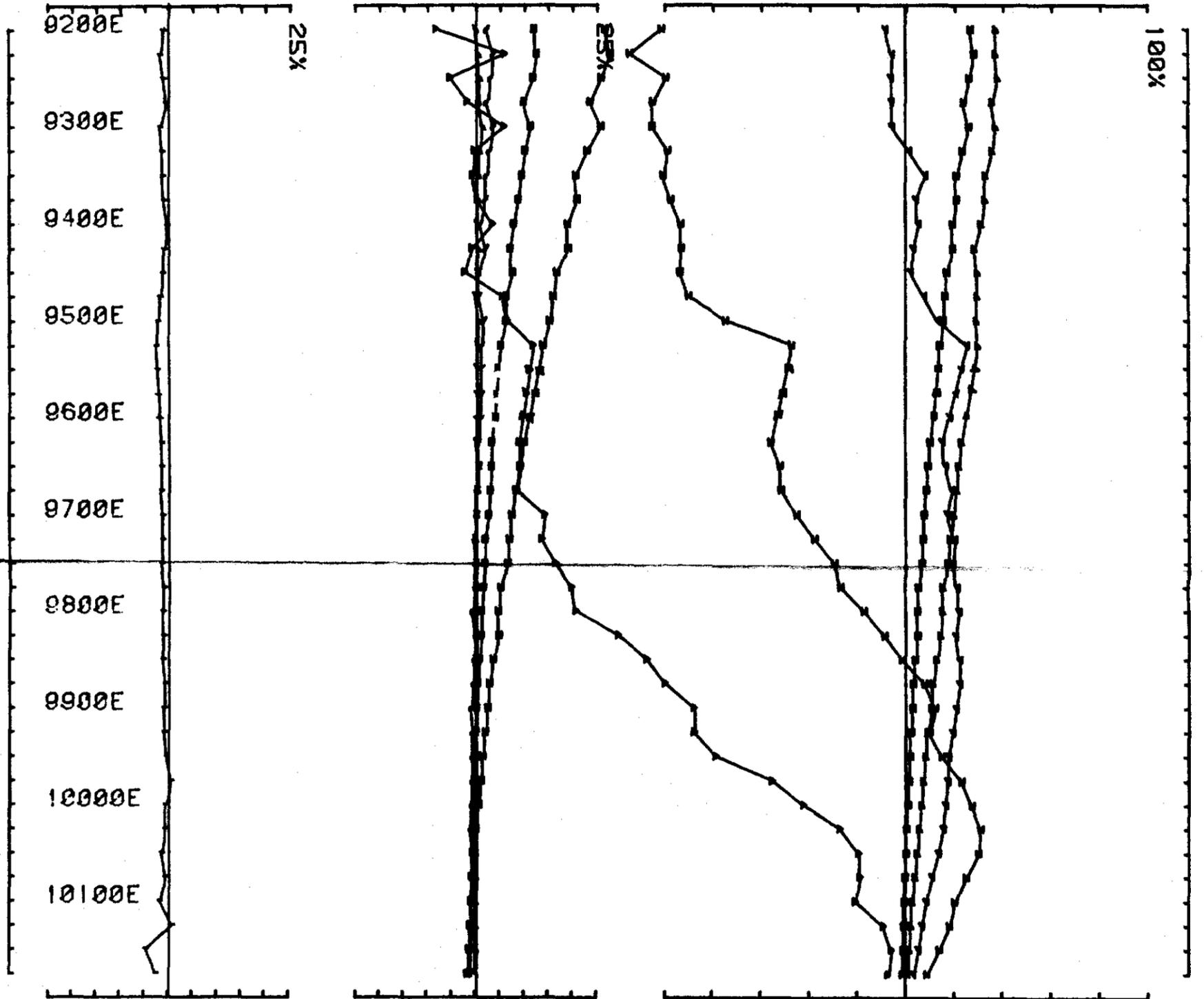
UTEM III PROFILES, TX LOOP 4 (V29W)



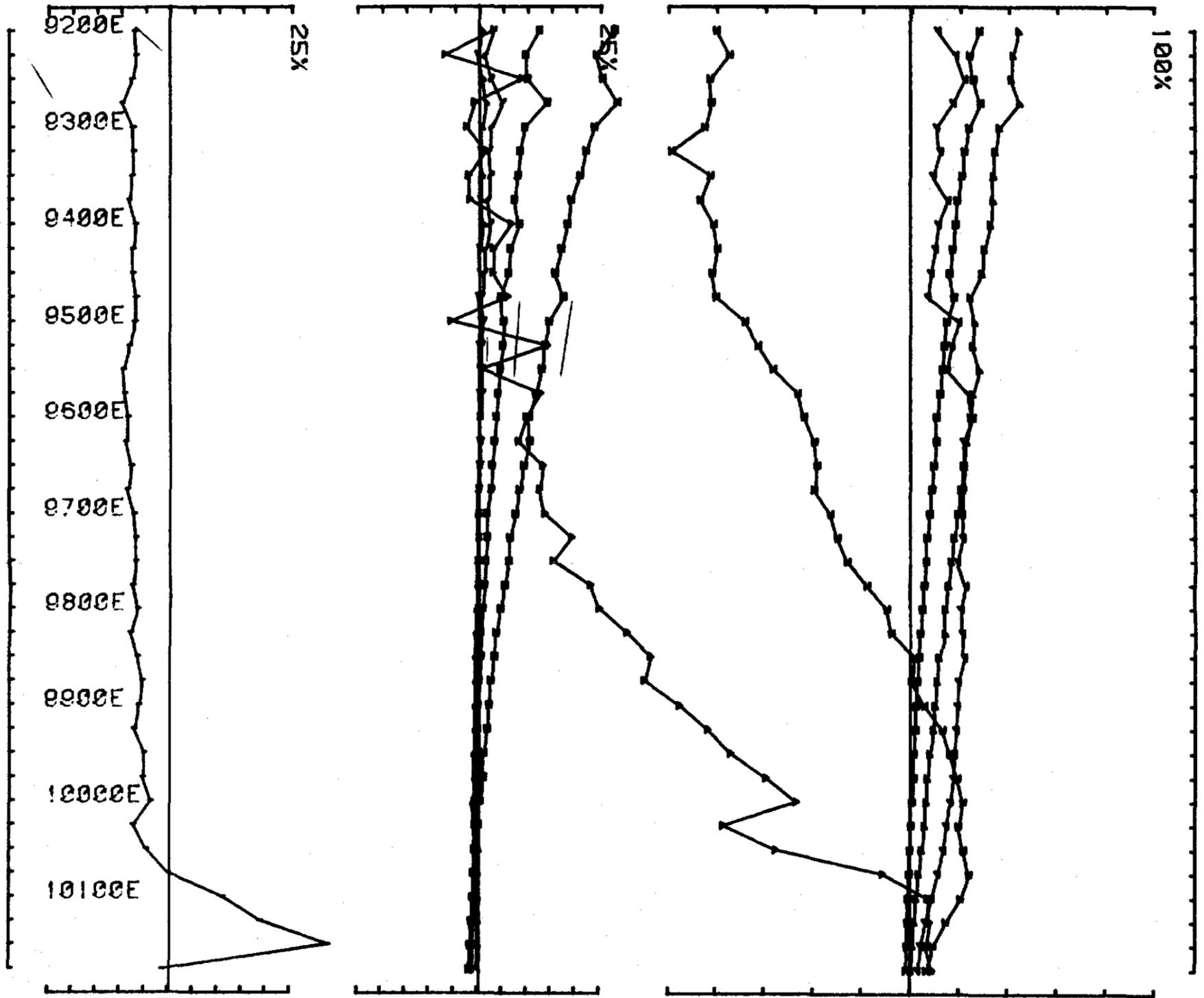
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Project Area Voyager 29 West Survey for Geopiko freq(hz) 26.230  
Loopno 0004 Line 10200N component Hz secondary Ch 1.



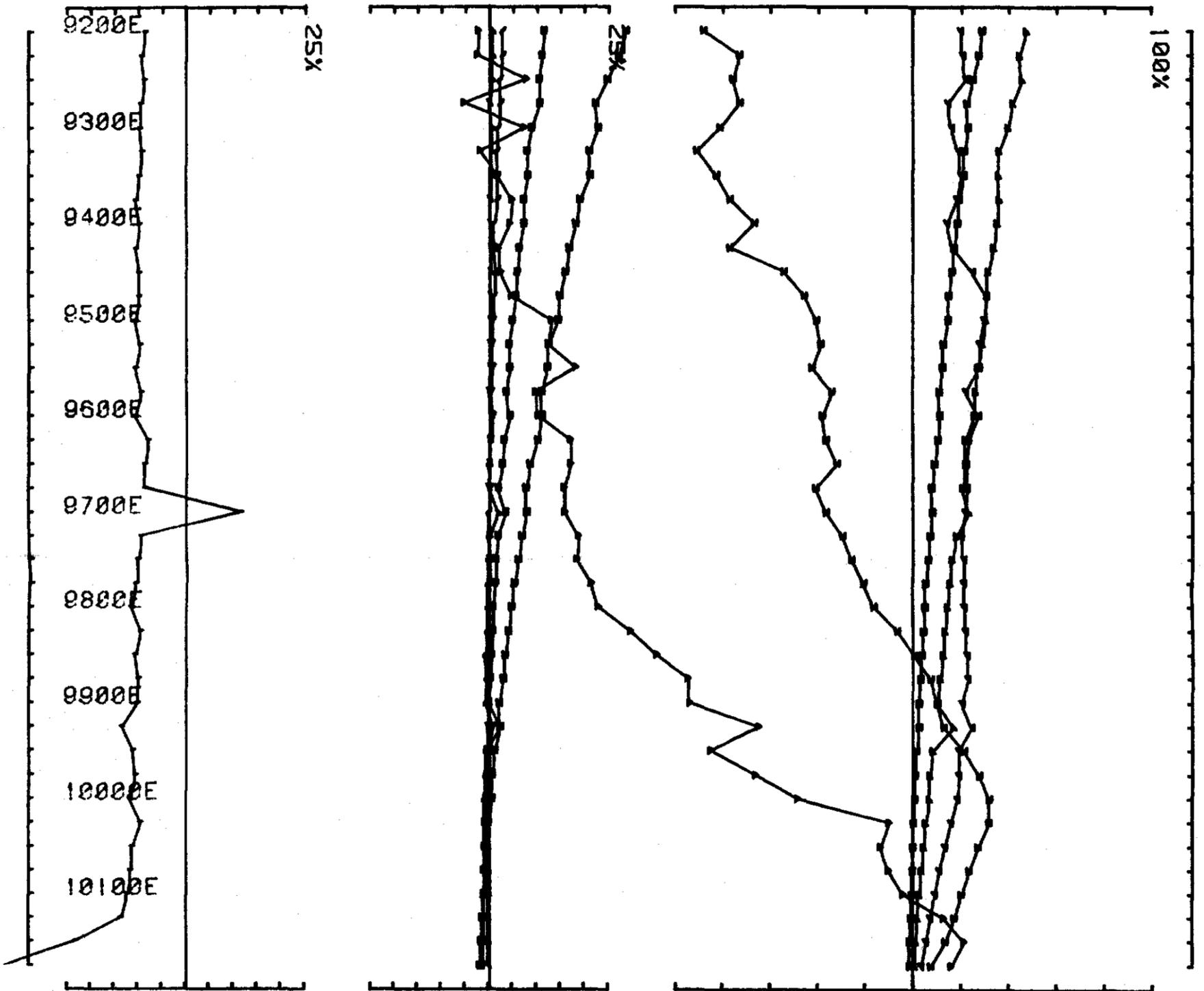
UTEM SURVEY conducted by PMM BJS Job 1102  
Project Area Voyager 29 West Survey for Geopoko freq(hz) 26.230  
Loopno 0004 Line 10400N component Hz secondary Ch 1



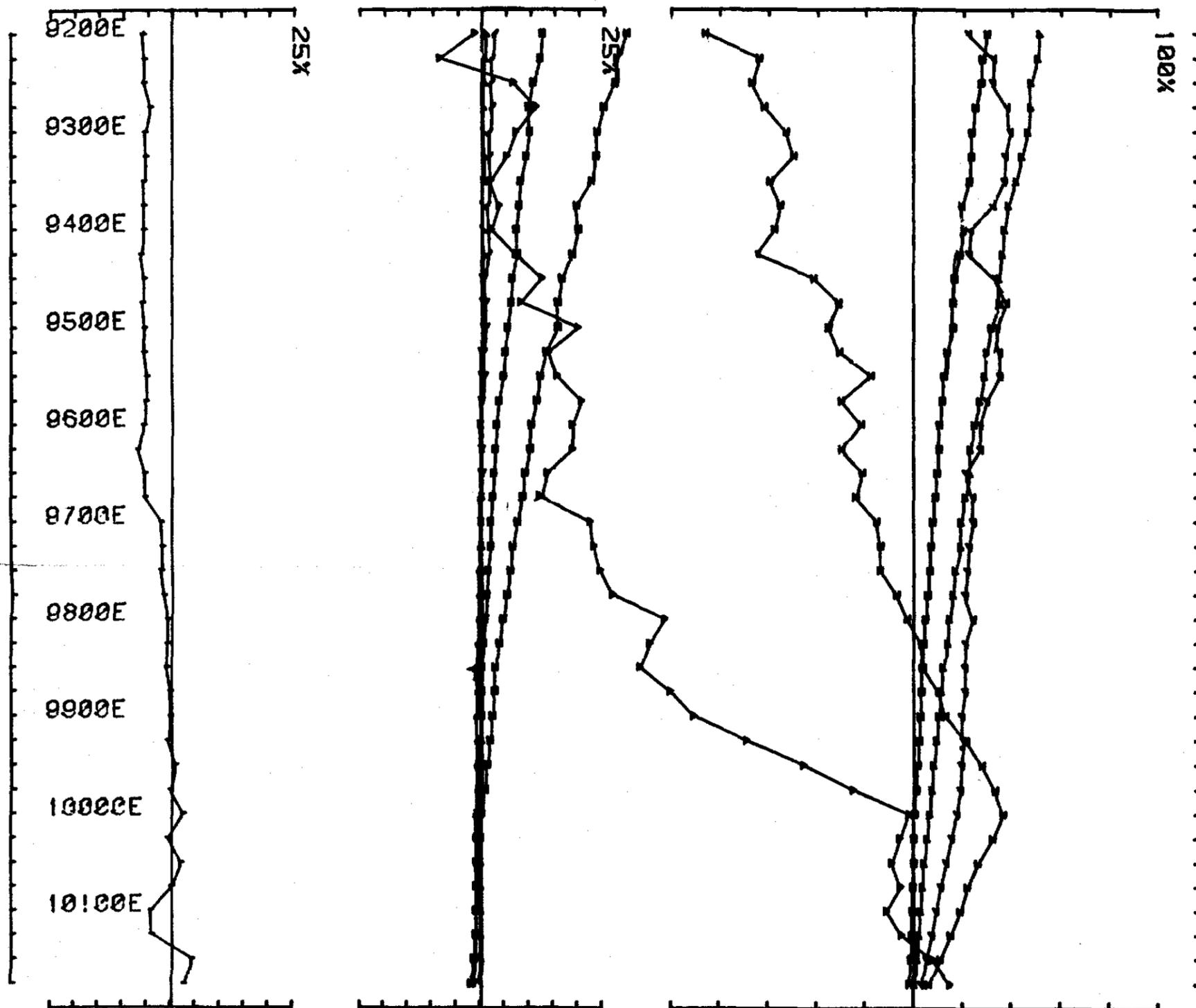
UTEM SURVEY conducted by PMM BJS Job 1102  
Project Area Voyager 20 West Survey for Geopeko freq(hz) 26.230  
Loopno 0004 Line 10600N component Hz secondary Ch 1



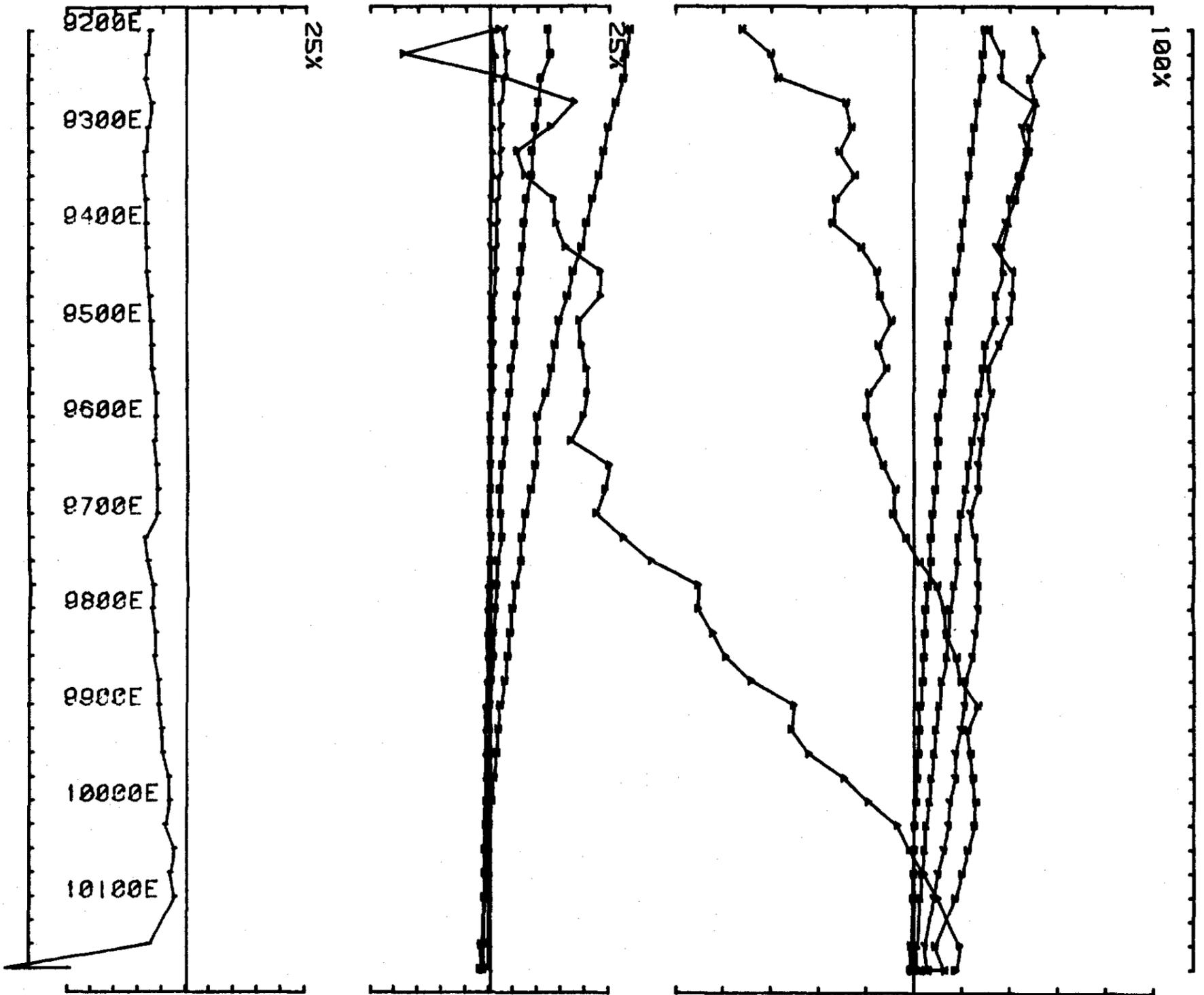
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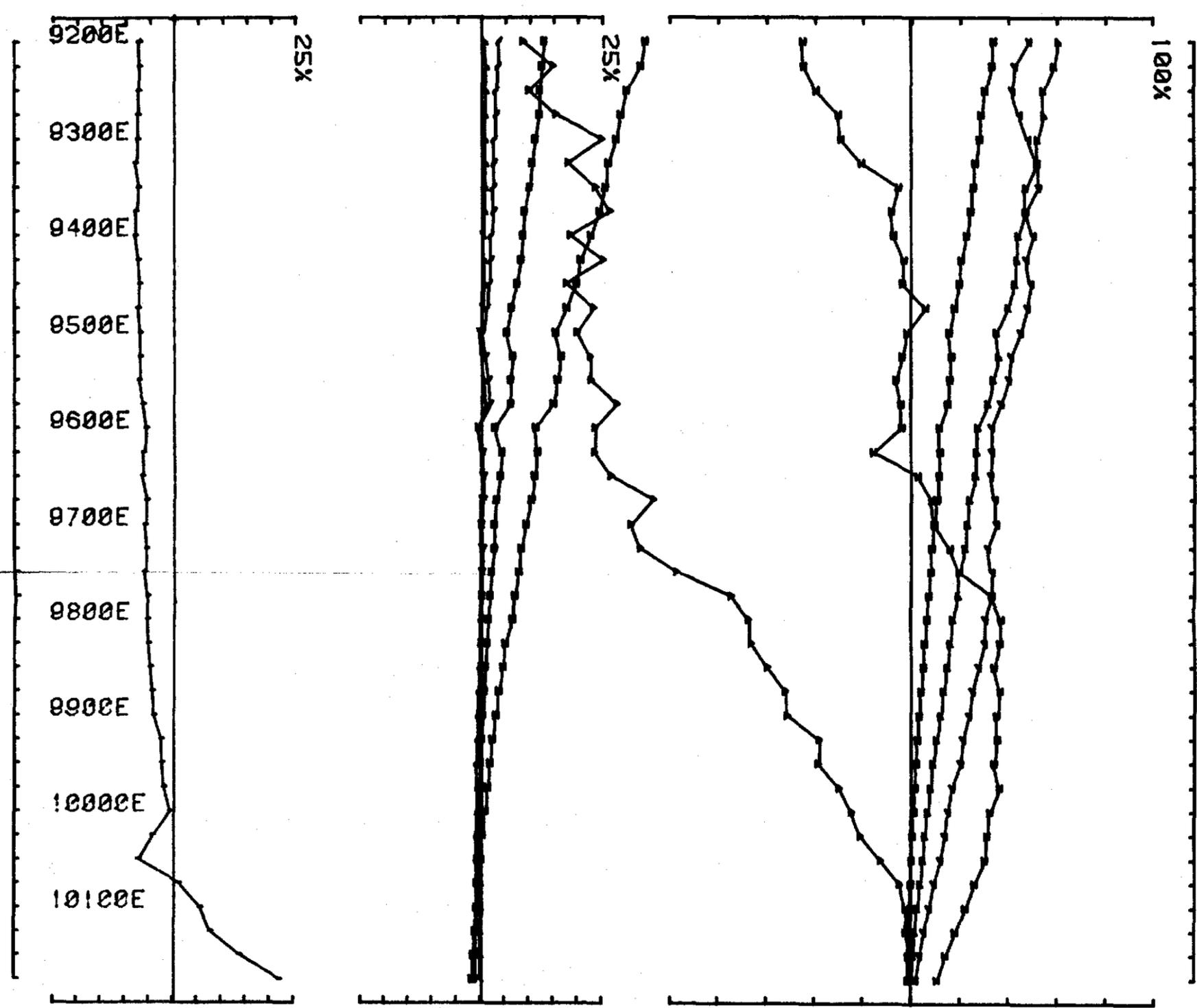
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Loopno 0004 Line 11000N component Hz secondary Ch 1



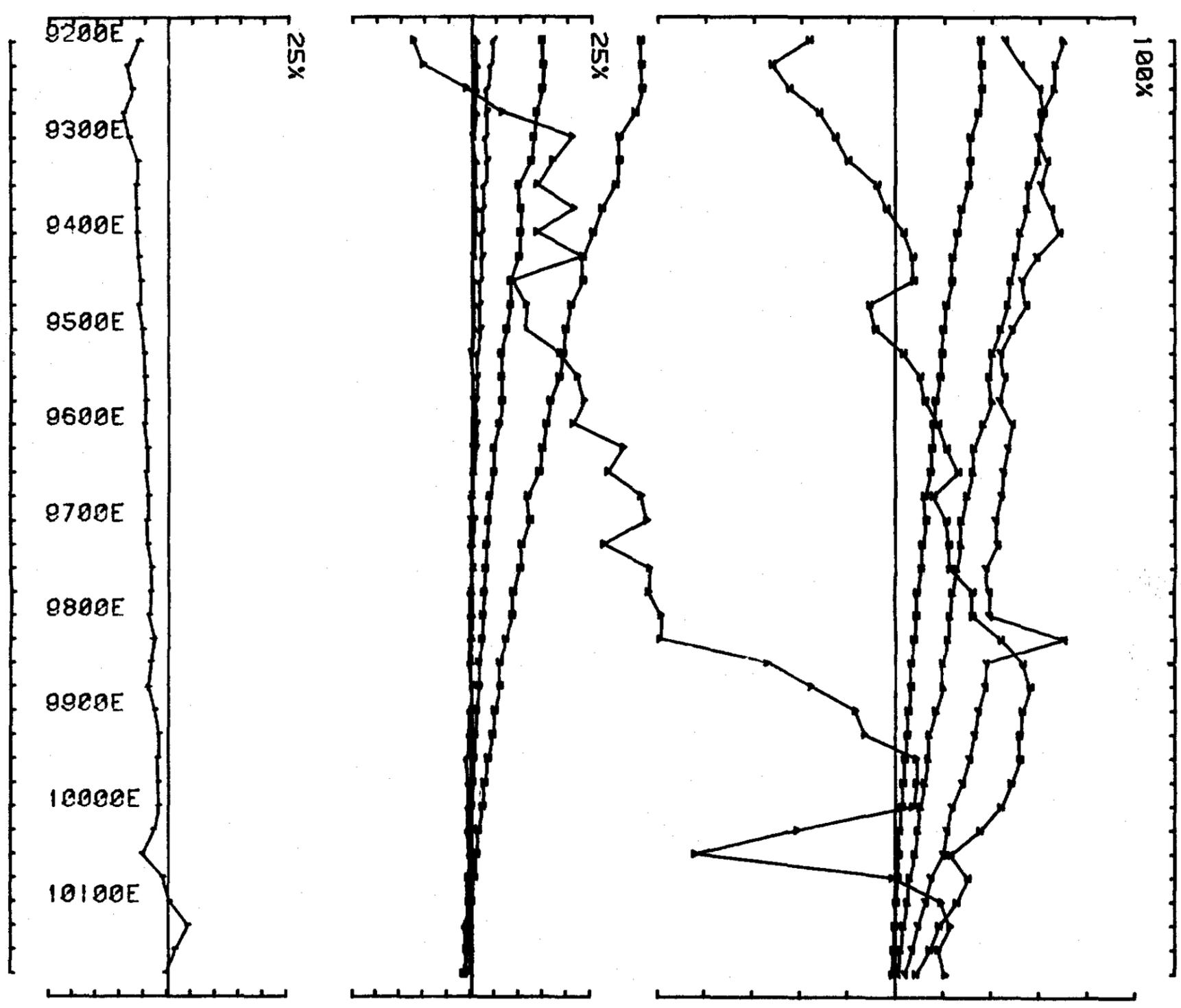
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Loopno 0004 Line 11200N component Hz secondary Ch 1



UTEM SURVEY conducted by PMM BJS Job 1102  
Project Area Voyager 29 West survey for Geopeko freq(hz) 26.230  
Loopno 0004 Line 11400N component Hz secondary Ch 1.



UTEM SURVEY conducted by PMM BJS Job 1102  
Project Area Voyager 29 West Survey for Geopeko freq(hz) 26.230  
Loopno 0004 Line 11600N component Hz secondary Ch 1



5 cm

UTEM SURVEY conducted by PMM BJS Job 1102  
Project Area Voyager 29 West Survey for Geopeko freq(hz) 26.230  
Loopno 0004 Line 11800N component Hz secondary Ch 1.

APPENDIX X

AUTRALIAN LABORATORY SERVICES - ANALYTICAL METHODS  
(Extract from A.L.S. 1983 Price List)

270



247270



SERVICE No. 2

**GEOCHEMICAL ANALYSES**

These methods are suitable for the routine analysis of rocks, soils, stream sediments and other geological material. Where a value exceeds the upper limit for the particular method, the element will be redetermined by the appropriate assay method in Service No.3. The relative precision levels quoted apply to values > 10 times the limit of detection.

| Method No.      | Element  | Method of Analysis  | Relative Precision | Limit of Detection   | Cost per Element                                       |
|-----------------|--|---|--------------------|--|--|
| G001            | Cu<br>Pb<br>Zn<br>Ag<br>Ni<br>Co<br>Cd<br>Bi *<br>Cr<br>Fe<br>Mn | Digestion with HClO <sub>4</sub> @ 220°C - A.A.S. determination<br>(a) Range: limit of detection to 1.0% except Ag - 25 ppm<br>(b) Complete extraction of Fe & Mn may not occur this technique.<br>(c) A dilution charge of \$0.50 will be made for Fe values > 1%.<br>(d) Low values may be reported for Pb, Zn and Ag if high concentrations of Ba or Mn present in sample. Method A101 recommended in such cases.<br>(e) Cr values > 0.1% almost certainly understated. Method A117 or XRF 1-C recommended.<br>NOTE: Cold Extraction methods are available for elements listed above. Digestion is with dilute HNO <sub>3</sub> or HCl Acid for 24 hours. Refer to Service No.5. | + 10%              | 2 ppm<br>5 ppm<br>2 ppm<br>1 ppm<br>5 ppm<br>5 ppm<br>1 ppm<br>5 ppm<br>5 ppm<br>5 ppm | First element \$1.20<br>Each additional element \$0.40 |
| G002            | Ag   | Aqua-regia digest - A.A.S. Range 0.1-10 ppm   | + 10%              | 0.1 ppm  | \$2.40   |
| <del>G003</del> | As *   | HClO <sub>4</sub> digest - A.A.S.   | +10%               | 20 ppm   | \$3.00   |
| G004            | As   | HClO <sub>4</sub> digest - hydride generation. Range 1-2000 ppm   | +10%               | 1 ppm  | \$4.00   |
| G005            | F  | Peroxide/carbonate fusion - S.I.E.  | +10%               | 0.02%  | \$6.00   |
| G006            | Fe   | HCl digest - A.A.S.   | +10%               | 5 ppm  | \$2.40   |
| G007            | Hg *   | HClO <sub>4</sub> digest - A.A.S. (cold vapour). Range 50ppb-50ppm  | + 10%              | 50 ppb   | \$5.50   |
| G008            | Mn   | HCl digest - A.A.S.   | +10%               | 5 ppm  | \$2.40   |
| G009            | Mn, Fe   | both elements concurrently  |                    |  | \$3.60   |
| G010            | Mo *   | HNO <sub>3</sub> /HClO <sub>4</sub> digest - A.A.S. Range 2-10,000 ppm  | + 10%              | 2 ppm  | \$2.75   |
| G011            | P  | HClO <sub>4</sub> digest - spectrophotometric   | +10%               | 0.01%  | \$5.00   |
| G012            | Sb   | HNO <sub>3</sub> /HCl digest - A.A.S.   | +10%               | 10 ppm   | \$3.00   |
| G013            | Sb *   | HNO <sub>3</sub> /HCl digest - hydride generation. Range 1-1,000 ppm  | + 10%              | 1 ppm  | \$4.00   |
| G014            | Sb   | NH <sub>4</sub> I sublimation - hydride generation. Range 1-1,000 ppm   | + 10%              | 1 ppm  | \$5.50   |
| G015            | Se   | HF/HNO <sub>3</sub> /HCl digest - hydride generation. Range 50ppb-1,000 ppm   | +5%                | 50 ppb   | \$5.00   |
| G016            | Sn   | NH <sub>4</sub> I sublimation - A.A.S.  | +10%               | 50 ppm   | \$4.50   |
| G017            | Sn   | NH <sub>4</sub> I sublimation - hydride generation. Range 1-1,000 ppm   | + 10%              | 1 ppm  | \$5.50   |
| G018            | Te   | HF/HNO <sub>3</sub> /HCl digest - hydride generation. Range 50 ppb-1,000 ppm  | +5%                | 50 ppb   | \$5.00   |
| G019            | Te, Se   | both elements concurrently  |                    |  | \$7.50   |
| G020            | V  | Mixed acid digest - A.A.S.  | +10%               | 0.01%  | \$5.00   |

**PLANT ANALYSIS - BIOGEOCHEMICAL**

|      |   |   |      |                 |  |
|------|---|---|------|-----------------|--|
| G021 | Cu,Pb,Zn;<br>Ag,Ni,Co,<br>Cr,Cd,Mo,<br>Bi,Fe,Mn | A full range of services is available for the analysis of plant materials for a variety of purposes<br>(a) Ashing and Weighing<br>(b) Acid digest<br>(c) A.A.S. determination | ±20% | As for Method 1 | \$5.00/sple<br>\$1.50/sple<br>\$0.40 ea. |
|------|---|---|------|-----------------|--|

## SERVICE No. 4

**PRECIOUS METALS**

The accurate determination of the precious metals is very dependant on sampling and sample preparation.

Large errors can occur if "gold spotting" or coarse gold is present in samples.

| Method No. | Element | Method of Analysis   | Relative Precision | Limit of Detection | Cost per Element |
|------------|---------|--|--------------------|--------------------|------------------|
| PM201      | Au      | 10g sample: Aqua-regia digest - AAS  | ±20%               | 0.1 ppm            | \$4.75           |
| PM202      | Au      | 20g sample: as above   | ±10%               | 0.1 ppm            | \$5.25           |
| PM203      | Au      | 50g sample: as above   | ± 5%               | 0.1 ppm            | \$6.50           |
| PM204      | Au      | 20g sample: Aqua-regia digest - AAS/carbon rod   | ±10%               | 3 ppb              | \$6.50           |
| PM205      | Au      | 50g sample: as above   | ± 5%               | 3 ppb              | \$7.25           |
| PM206      | Au      | 20g sample: HF/aqua-regia digest - AAS/carbon rod  | ±10%               | 3 ppb              | \$7.00           |
| PM207      | Au      | 50g sample: Bromine digestion - AAS  | ±10%               | 0.1 ppm            | \$6.00           |
| PM208      | Au      | 30g sample: Fire assay - AAS   | ± 5%               | 0.1 ppm            | \$9.00           |
| PM209      | Au      | 50g sample: as above   | ± 5%               | 0.1 ppm            | \$11.00          |
| PM210      | Au      | 100g sample: as above  | ± 5%               | 0.1 ppm            | \$15.00          |
| PM211      | Au + Ag | 30g sample: Fire assay   | ± 5%               |                    | \$12.50          |
| PM212      | Au      | Screened Fire Assay using a 400g pulp<br>(Price includes screening of pulp and 3 fire assay determinations.) | ± 3%               | 0.1 ppm            | \$35.00          |
| PM213      | Au      | in cyanide liquor  | ± 5%               | 0.1 ppm            | \$7.50           |
| PM214      | Au      | by cyanide extraction  |                    |                    | P.O.A.           |
| PM215      | Au      | by amalgamation  |                    |                    | P.O.A.           |
| PM216      | Pt      | 50g sample: Fire assay - AAS/carbon rod  | ± 5%               | 50 ppb             | \$20.00          |
| PM217      | Pd      | 50g sample: Fire assay - AAS/carbon rod  | ± 5%               | 10 ppb             | \$20.00          |
| PM 218     | Pt + Pd | both elements concurrently   |                    |                    | \$30.00          |

272

247272

|          |                |      |           |
|----------|----------------|------|-----------|
| FORM     | A.D.           | J.G. | T.S.      |
| D. DIR.  | - 9 JAN 1985   |      | REG. SEC. |
|          | DEPT. OF MINES |      | E & IL    |
| REF. No. | 323/85         |      |           |

GEOPEKO

A DIVISION OF PEKO-WALLSEND OPERATIONS LIMITED

EXPLORATION LICENCE 27/76

ELLIOTT BAY, S.W. TASMANIA

ANNUAL REPORT

1983-84 FIELD SEASON

VOL. 2

W. HERRMANN  
J. SUMPTON  
MAY, 1984

**OPEN FILE**

LIST OF PLANS

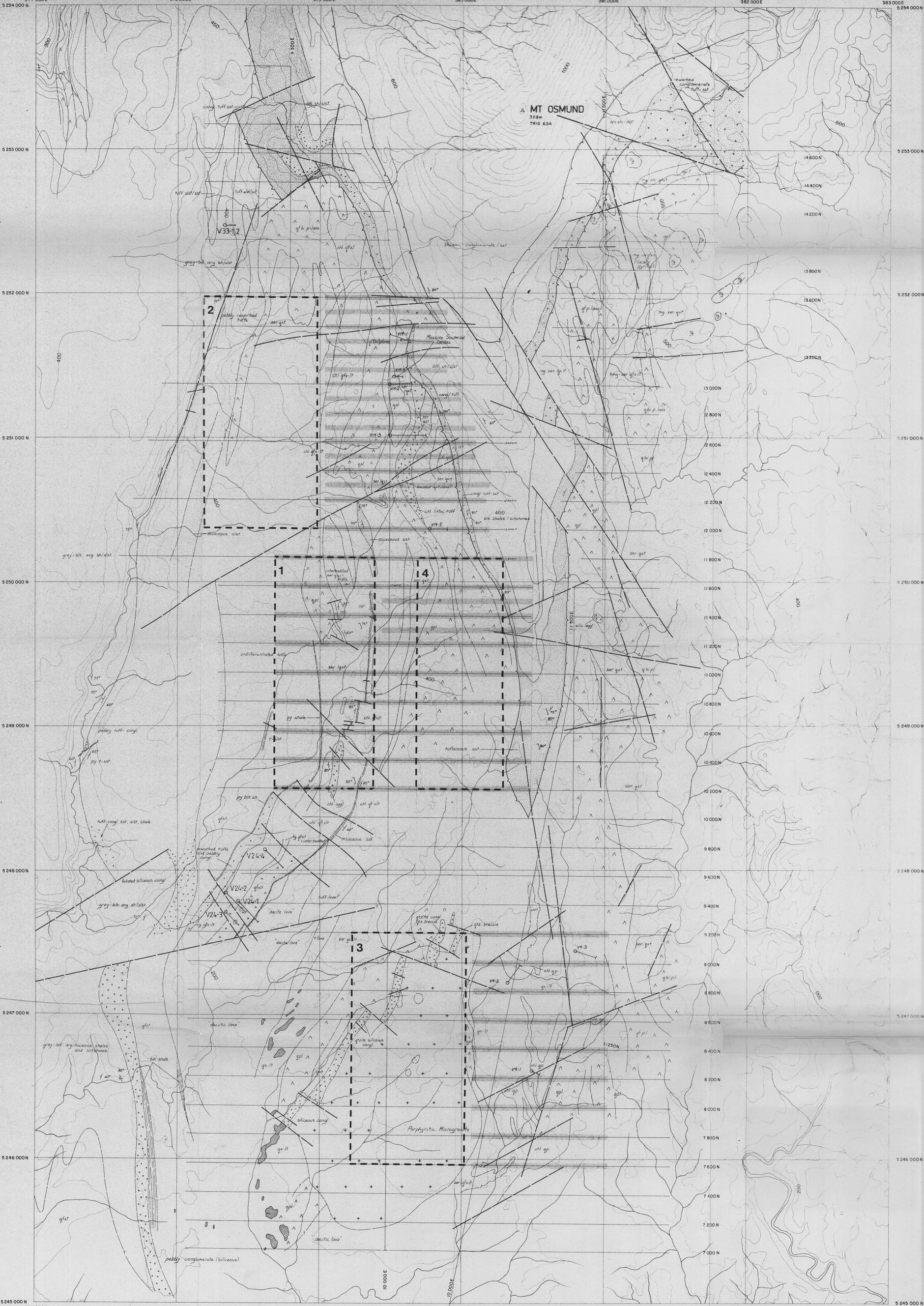
| <u>Plan No</u> | <u>Title</u>   | <u>Scale</u> |
|----------------|--|--------------|
| 1.             | Geological Interpretation<br>Drill Hole Locations<br>UTEM III coverage<br>(Wart Hill Area) | 1:10 000     |
| 2.             | V24 Sample Numbers & Hand<br>Auger Depths  | 1:2500       |
| 3.             | V24 Gold: Hand Auger<br>Geochemistry   | 1:2500       |
| 4.             | V24 Gold; C-Horizon<br>Geochemistry  | 1:2500       |
| 5.             | V24 Geological Cross Section<br>V24-1, V24-2   | 1:500        |
| 6.             | V24 Geological Cross Section<br>V24-3  | 1:500        |
| 7.             | V24 Geological Cross Section<br>V24-4  | 1:500        |
| 8.             | V29W C-Horizon Geochem<br>Gold Results   | 1:2500       |
| 9.             | V29W Sample Locations<br>(C-Horizon)   | 1:2500       |
| 10.            | V19 C-Horizon Geochem<br>Gold Results  | 1:2500       |
| 11.            | V19 C-Horizon Geochem<br>Sample Locations  | 1:2500       |
| 12.            | V33 Geological Cross Section,<br>14100N  | 1:500        |

## EXPENDITURE ON E.L. 27/76

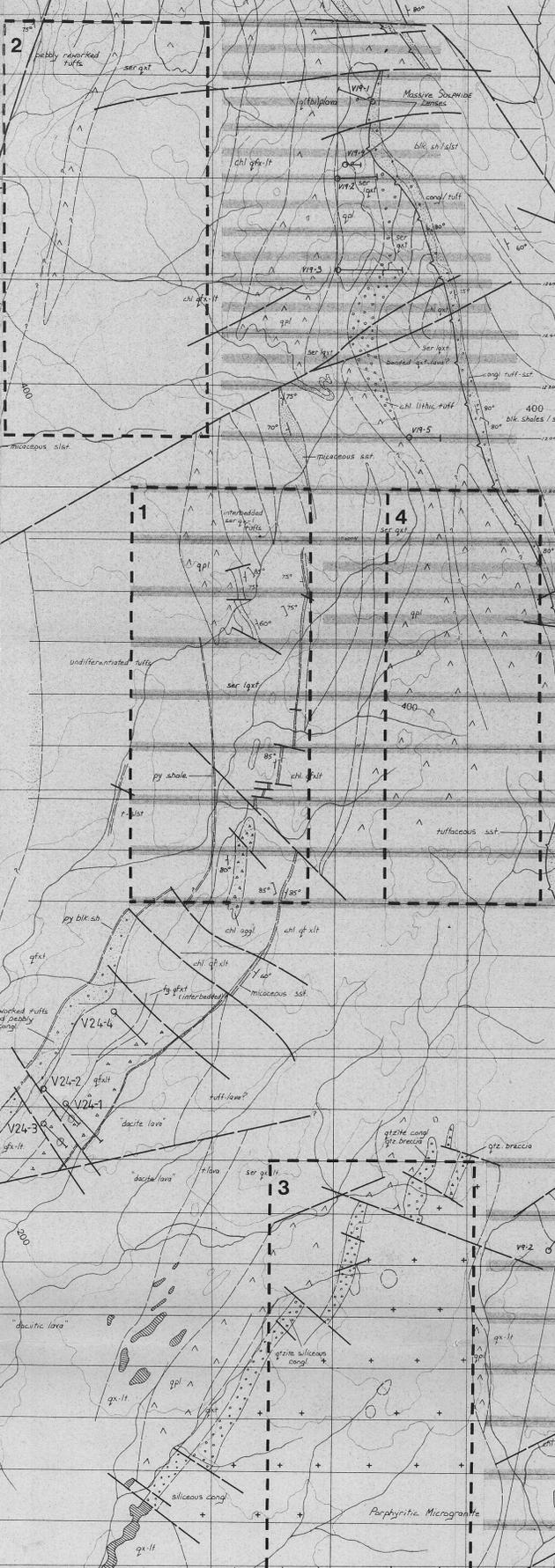
30/6/83 to 31/5/83

*known by  
Kestel*

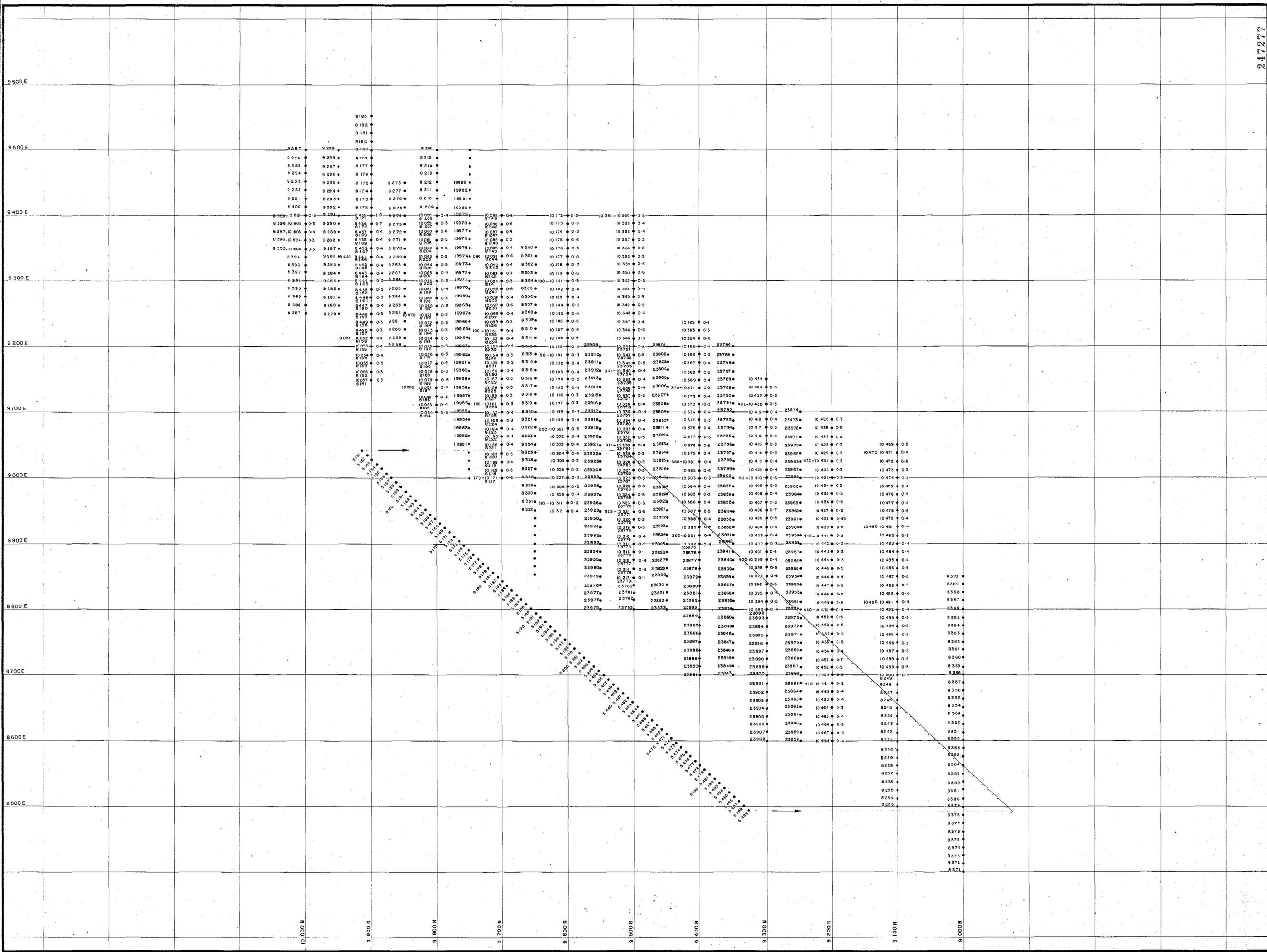
| COSREP RUN 8/JUN/84 GEOPEKO (DIVISION OF PEKD-WALLSEND OPERATIONS LTD) |                              | MAY 1983-84     |               | TASMANIA         |                      |
|--|------------------------------|-----------------|---------------|------------------|----------------------|
| AREA   | COST STATEMENT               | CURRENT QUARTER | CURRENT MONTH | BUDGET TO JUN 84 | FISCAL Y.T.D. ACTUAL |
| ELLIOTT BAY  |                              | BUDGET          | ACTUAL        | ACTUAL           | ACTUAL               |
| 0  | SALARIES- GEOLOGISTS         | 14003:          | 1537:         |                  | 26003:               |
| 1  | - GEOCHEMISTS                | :               | :             |                  | :                    |
| 2  | - GEOPHYSICISTS              | 2576:           | 1705:         |                  | 3517:                |
| 3  | - DRAFTING                   | 1546:           | :             |                  | 2282:                |
| 4  | - OTHER CLERICAL & GEN       | 7962:           | 271:          |                  | 9206:                |
| 5  | WAGES - FIELD ASSISTANTS     | 13069:          | 601:          |                  | 17883:               |
| 6  | - DRAFTING                   | 252:            | :             |                  | 5329:                |
| 7  | - OTHER CLERICAL & GEN       | :               | :             |                  | :                    |
| 9  | SUB-TOTAL                    | 39409:          | 4114:         |                  | 64221:               |
| 10   | TENEMENT EXPENSES            | :               | :             |                  | 6580:                |
| 11   | VEHICLES                     | 847:            | -1727:        |                  | 1559:                |
| 12   | TRAVEL & ACCOMMODATION       | 1791:           | 255:          |                  | 3184:                |
| 13   | FREIGHT                      | 1081:           | :             |                  | 1601:                |
| 14   | SUPPLIES                     | 2907:           | :             |                  | 3166:                |
| 15   | SUSTENANCE                   | 2937:           | 404:          |                  | 3969:                |
| 16   | PAYROLL EXPENSES             | :               | :             |                  | :                    |
| 17   | PREMISES - OFFICE            | :               | :             |                  | :                    |
| 18   | COMMUNICATIONS               | 93:             | :             |                  | 93:                  |
| 19   | MAINTENANCE                  | 1456:           | 30:           |                  | 5851:                |
| 20   | GEOLOGICAL CONSULT. & MAPS   | :               | :             |                  | 672:                 |
| 21   | MINERALOGY & PETROLOGY       | 188:            | :             |                  | 188:                 |
| 22   | GENERAL CONTRACTORS          | 31753:          | 50:           |                  | 52670:               |
| 23   | SURVEY & GRIDGING            | 2736:           | :             |                  | 2736:                |
| 24   | GEOCHEMISTRY                 | 14873:          | :             |                  | 19211:               |
| 25   | ASSAYING                     | 3871:           | :             |                  | 3871:                |
| 26   | GEOPHYSICS - AIRBORNE        | :               | :             |                  | :                    |
| 27   | - GROUND                     | 15977:          | 712:          |                  | 15977:               |
| 28   | DRILLING - SOIL PROBE        | 420:            | :             |                  | 1121:                |
| 29   | - REVERSE CIRC               | :               | :             |                  | :                    |
| 30   | - PERCUSSION                 | :               | :             |                  | :                    |
| 31   | - DIAMOND                    | 68528:          | 41:           |                  | 70928:               |
| 32   | GEOPHYSICS-GRAPHICS ON CHARG | 420:            | :             |                  | 432:                 |
| 33   | PPN INDIRECT COSTS           | 20029:          | 4612:         |                  | 32265:               |
| 35   | SUB-TOTAL                    | 209317:         | 8491:         |                  | 290294:              |
| 37   | MANAGEMENT CHARGE            | 20803:          | 2181:         |                  | 34037:               |
| 39   | TOTAL BASE COSTS             | \$ 230120:      | 10672:        |                  | 324331:              |



**MT OSMUND**  
368m  
TRIG 634

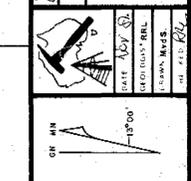


|   |   |   |   |   |   |
|---|---|---|---|---|---|
| <ul style="list-style-type: none"> <li>□ Superficial residual quartz rubble</li> <li>□ Alluvium</li> <li>□ Unconsolidated Tertiary Gravels</li> <li>○ Ordovician "Owen" conglomerate/quartzite</li> </ul> <p><b>CAMBRIAN</b></p> <p><b>TYNDAL GROUP CORRELATES:</b></p> <ul style="list-style-type: none"> <li>31 Gray-black shale/siltstone</li> <li>31 Coarse rhyolite epiclastics &amp; sandstone</li> <li>39 UNDIFFERENTIATED ACID VOLCANICS</li> </ul> | <p><b>DUNDAS GROUP?</b></p> <ul style="list-style-type: none"> <li>28 Greywacke, shale</li> </ul> <p><b>MAINWARRING GROUP</b></p> <ul style="list-style-type: none"> <li>42 Andesitic-basaltic lava, breccia, tuff, tuffaceous shales</li> <li>43 Dolomitic shale, dolomite</li> </ul> <p><b>WESTERN VOLCANIC - SEDIMENTARY SEQUENCE</b></p> <ul style="list-style-type: none"> <li>52 Tuffaceous greywacke, sat, conglomerate, rhyolite epiclastics</li> <li>63 Argillaceous phyllite, siltstone, black slate</li> <li>27 "Pender's Tufts" Rhyolitic crystal tuff, minor sediment</li> </ul> | <p><b>WART HILL ACID PYROCLASTICS</b></p> <ul style="list-style-type: none"> <li>48 Rhyolite qtz. phytic lava</li> <li>50 Sericitic quartz crystal tuff, lithic tuff, rhyolite agglomerate</li> <li>43 Chloritic quartz feldspar crystal lithic tuff</li> <li>41 Variable highly chloritic (alterred?) pyroclastics &amp; f.g. lavas</li> <li>46 Chloritic c.p. quartz phytic lava</li> <li>47 Fine grained phytic dacite lava</li> <li>60 Quartz pebble conglomerate, micaceous sandstone, siltstone</li> <li>19 Pyritic grey-black slate, siltstone</li> </ul> <p><b>STONY CREEK PORPHYRY MICROGRANITE</b></p> <ul style="list-style-type: none"> <li>66</li> </ul> | <p><b>WANDERER RIVER TUFF</b></p> <ul style="list-style-type: none"> <li>38 Fine hematitic rhyolite crystal/lithic tuff, lava</li> </ul> <p><b>HUDSON RIVER PYROCLASTICS</b></p> <ul style="list-style-type: none"> <li>40 Chloritic qtz. feldspar crystal/lithic tuff, rhyolite qtz. biotite phytic lava</li> <li>58 Shale, greywacke, fine tuffaceous sediment</li> </ul> <p><b>ELLIOTT POINT PORPHYRY</b></p> <ul style="list-style-type: none"> <li>22 Coe, greenish qtz. feldspar, biotite porphyry, granitic, rhyolitic intrusions</li> </ul> <p><b>CAMBRIAN GRANITES</b></p> <ul style="list-style-type: none"> <li>19 Undifferentiated Granite</li> <li>66 PRE- &amp; ARTHUR GROUP - Undifferentiated qtz &amp; mica, rock</li> </ul> | <p>--- UTEM III Tx LOOP</p> <p>--- UTEM III COVERAGE</p> <p>○ V33-2 Diamond Drill Hole</p> <p>TOPOGRAPHY</p> <p>50m Contour interval</p> <p>NOTE: CONTOUR INTERVALS ARE 50 FEET IMPERIAL.</p> | <p><b>GEOPEKO</b> 247276</p> <p>35-2313 (V33) DIVISION OF PEKO-WILLSEND OPERATIONS LTD.</p> <p>DEVONPORT BASE</p> <p>Scale 1:10 000</p> <p>200 0 200 400 600 800 metres</p> <p>Interpreted By: W.H.<br/>Drawn By: R.Tog<br/>Date: Oct 85<br/>Approved By: [Signature]<br/>Revision By: WH Date: 5/84<br/>Revision By: [Signature] Date: [Signature]</p> <p><b>E.L.27/76 ELLIOTT BAY, TASMANIA</b></p> <p>GEOLOGICAL INTERPRETATION</p> <p>DRILL HOLE LOCATIONS</p> <p>UTEM III COVERAGE</p> <p>2492</p> |
|---|---|---|---|---|---|



247277

GEOPEKO  
A DIVISION OF RECONSTRUCTION OPERATIONS LTD.  
No. 2  
E.L. 24/76 ELLIOTT BAY, TASMANIA  
VOYAGER 24  
2493  
SAMPLE NUMBERS AND HAND AUGER DEPTHS. (m.)

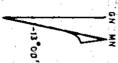


Hand Auger      Sample No.      Depth (m.)

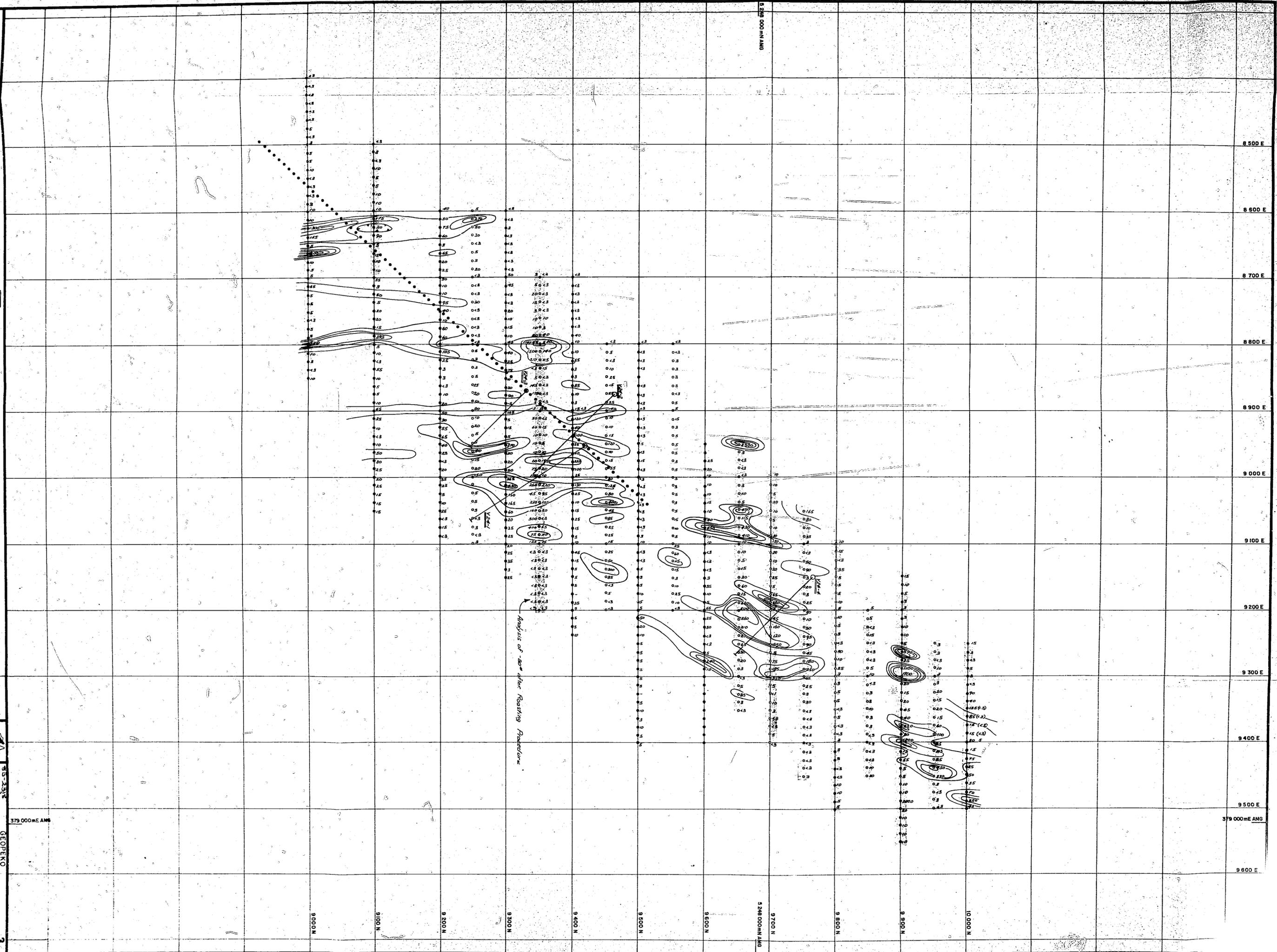
Head Office  
 1983-84 Sampling  
 1980-81 Sampling

Laboratory - Aust. Lab. Services  
 Method - AAS - carbonated method, ISO A.  
 1983-84 Samples - PM 205.

50 - 100 ppb  
 100 - 500 ppb  
 200 - 400 ppb  
 3 400 ppb

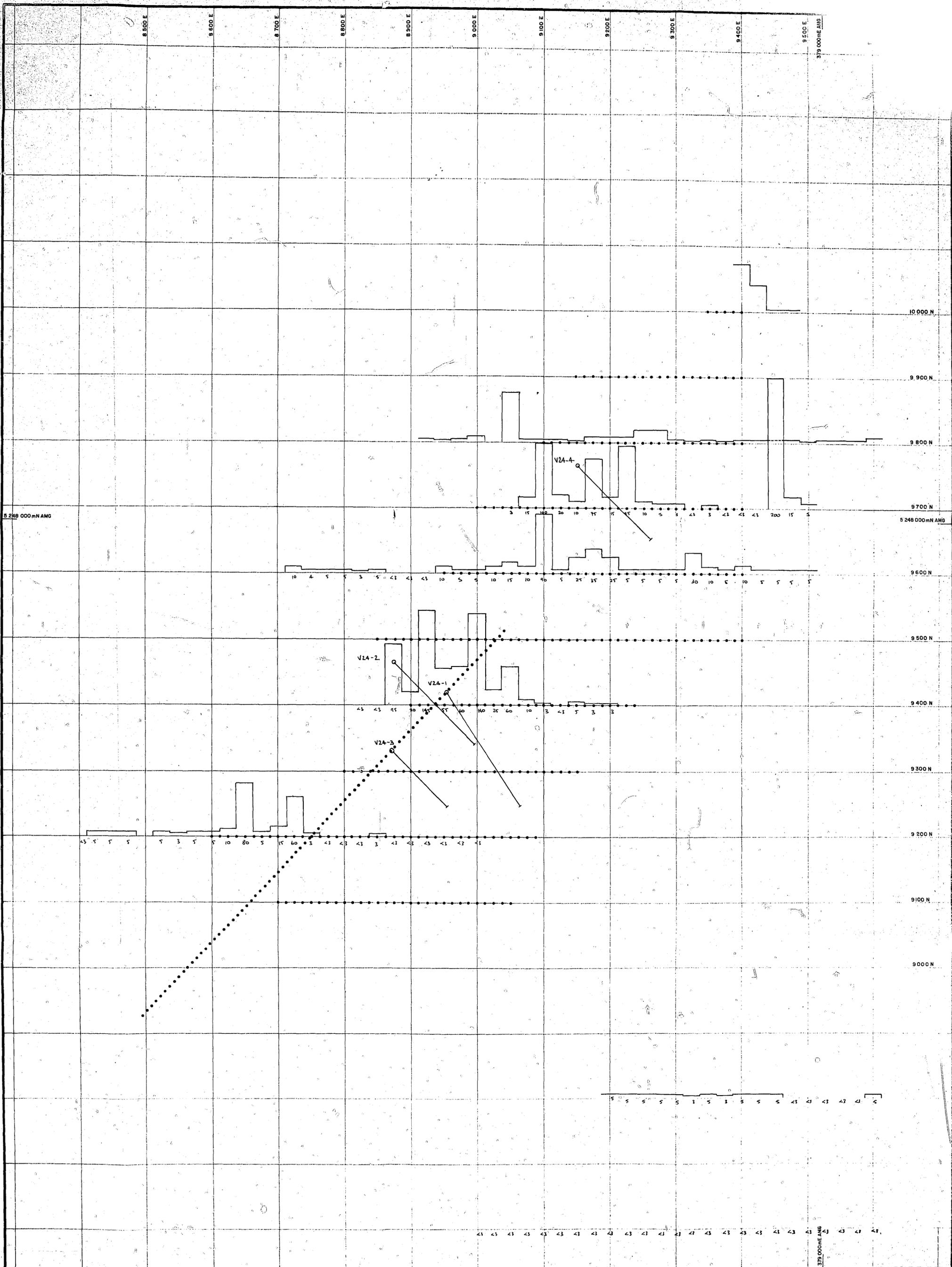


35-2317  
 GEOPENK  
 (VAL 2) A SOURCE OF INFORMATION  
 NO TSP/76-124-  
 E.L. 24/76 ELLIOT BAY, TASMANIA  
 VOYAGER 24  
 2494  
 GOLD PPB: B HORNIZON SOIL GEOCHEMISTRY  
 AUSTRALIAN GEOCHEMISTRY SERVICES



8 500 E  
 8 500 E  
 8 700 E  
 8 800 E  
 8 900 E  
 9 000 E  
 9 100 E  
 9 200 E  
 9 300 E  
 9 400 E  
 9 500 E  
 379 000 mE AMG  
 9 600 E

9 000 N  
 9 100 N  
 9 200 N  
 9 300 N  
 9 400 N  
 9 500 N  
 9 600 N  
 9 700 N  
 9 800 N  
 9 900 N  
 10 000 N  
 5246 000 mN AMG



**N.B.** This data is based on **SRE20** Sampling undertaken during the 1982-83 Field Season.  
 For complete Analytical and Sample Location Information refer to: EL 23/76 Annual Report by: Herrmann, Nov. 1983.

Bar Graph : 1cm = 25ppb

|  |   |  |          |
|--|---|--|----------|
|  | 95-2315<br>(Vol 2)  | GEOPEKO<br>No TS27/76-V24-1  | <b>4</b> |
|  | 1984<br>SCALE: 1:1000<br>DRAWN: [Signature]<br>CHECKED: [Signature] | E.L. 24/76 ELLIOT BAY, TASMANIA<br>VOYAGER 24 2495<br>GOLD C-HORIZON GEOCHEMISTRY in ppb |          |

V24-1 (PROJECTED ONTO SECTION 135° GRID)

V24-2

NEARBY LUTHERAL TUFF

Fine gr. Sericite (Pb) TAL TUFF

INTERBEDDED TUFFALCOAL  
SANDSTONE, SS, COAL, TUFF

Coarse Sericite (Pb) TAL TUFF

Original Lithic Crystal Tuff

Overlaid coarse  
Lithic-crystal tuff  
~ 1.5% vein/m.

Stratified lithic crystal  
tuff with minor sericite  
~ 4.5% vein/m.

Interbedded of silicified  
phyllite breccia (py. sp.)  
~ 5.0% vein/m.

Stratified altered lithic  
crystal tuff, permeated  
dissim. by 1.5% sp. - 1.5%

Intense quartz veins,  
minor albite, pyrite

Sericite (Pb) over  
lithic-crystal tuffs

9% vein

Sericite (Pb) over  
lithic-crystal tuff

NOT ANALYSED

Sericite agglomerate

Sericite of crystal  
tuff

lithic crystal tuff

lapilli tuff

gray lithic  
crystal tuff

lithic quartz crystal  
tuff + agglomerate

Lava agglomerate

interbedded shaly  
tuffs

Cream brecciated lava

Bluish grey  
porphyritic lava

GOLD IN PBB

GOLD IN PBB

**V24-2**  
COLLAR CO-ORDS : 8876.5 E / 9462 N  
COLLAR AZIMUTH : 122° M / 135° GRID  
COLLAR INCLINATION : -45°

**V24-1**  
COLLAR CO-ORDS : 8952 E / 9418 N  
COLLAR AZIMUTH : 135° M (148° GRID)  
COLLAR INCLINATION : -45°

(NO BOREHOLE SURVEY DATA AVAILABLE)

**BOREHOLE SURVEY**

| DEPTH (m) | AZIMUTH (°M) | INCLINATION (° FROM HORIZONTAL) |
|-----------|--------------|---------------------------------|
| 100       | 114          | -41                             |
| 150       | 112          | -38                             |
| 200       | 111.5        | -36                             |
| 250       | 111          | -33.3                           |

EASTMAN SINGLE SHOT CAMERA  
C KENDALL 21/1/84

247278

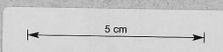
35-2318  
(Vol 2)  
**GEOPEKO**  
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SCALE 1:500  
AUSTRALIAN MAP GRID

**DEVONPORT** Map Ref

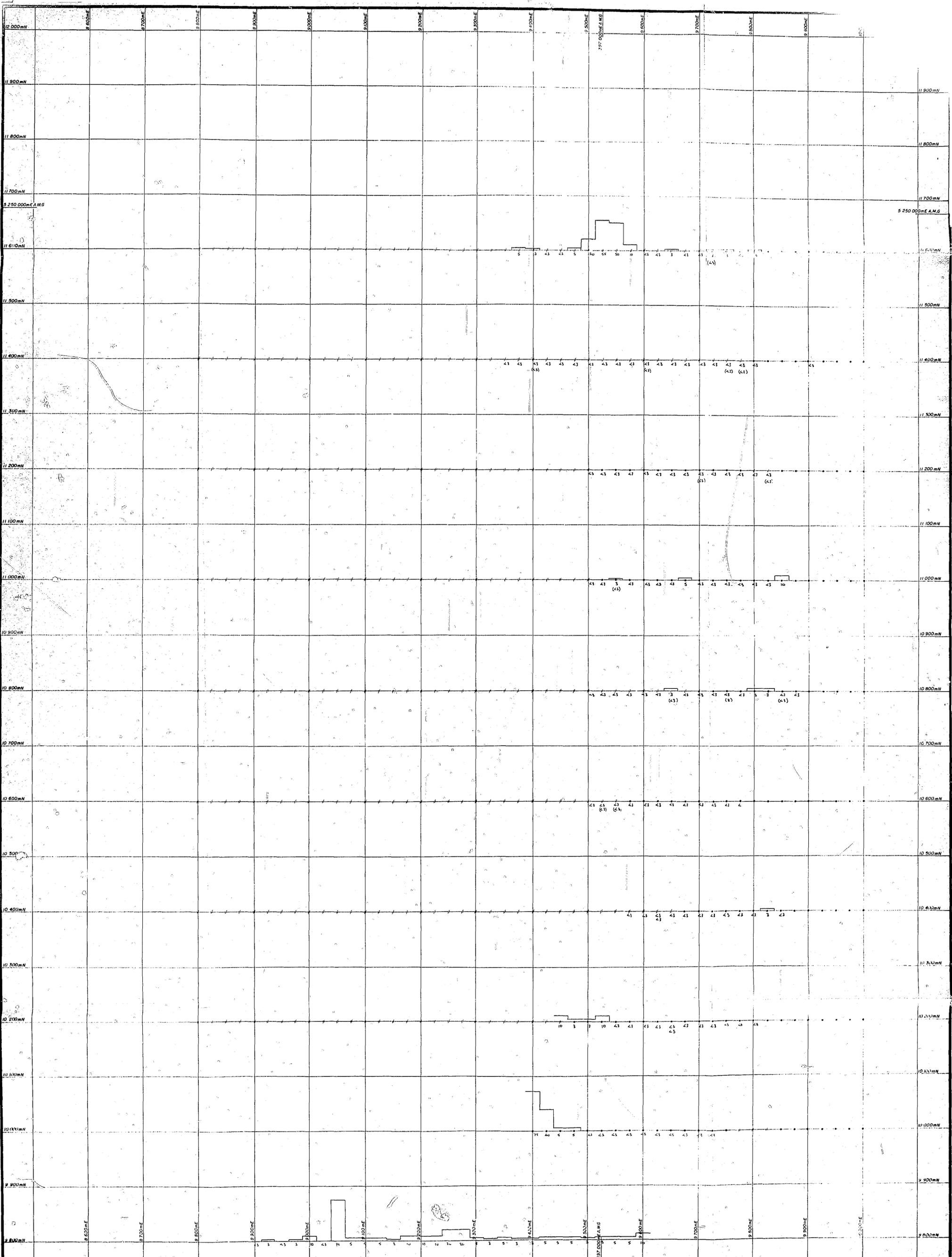
ELLIOTT BAY E.L. 27/76  
VOYAGER 24  
DDH1 #2 CROSS SECTION

Gordon No. W.H. 22/2/84 Base No. 5







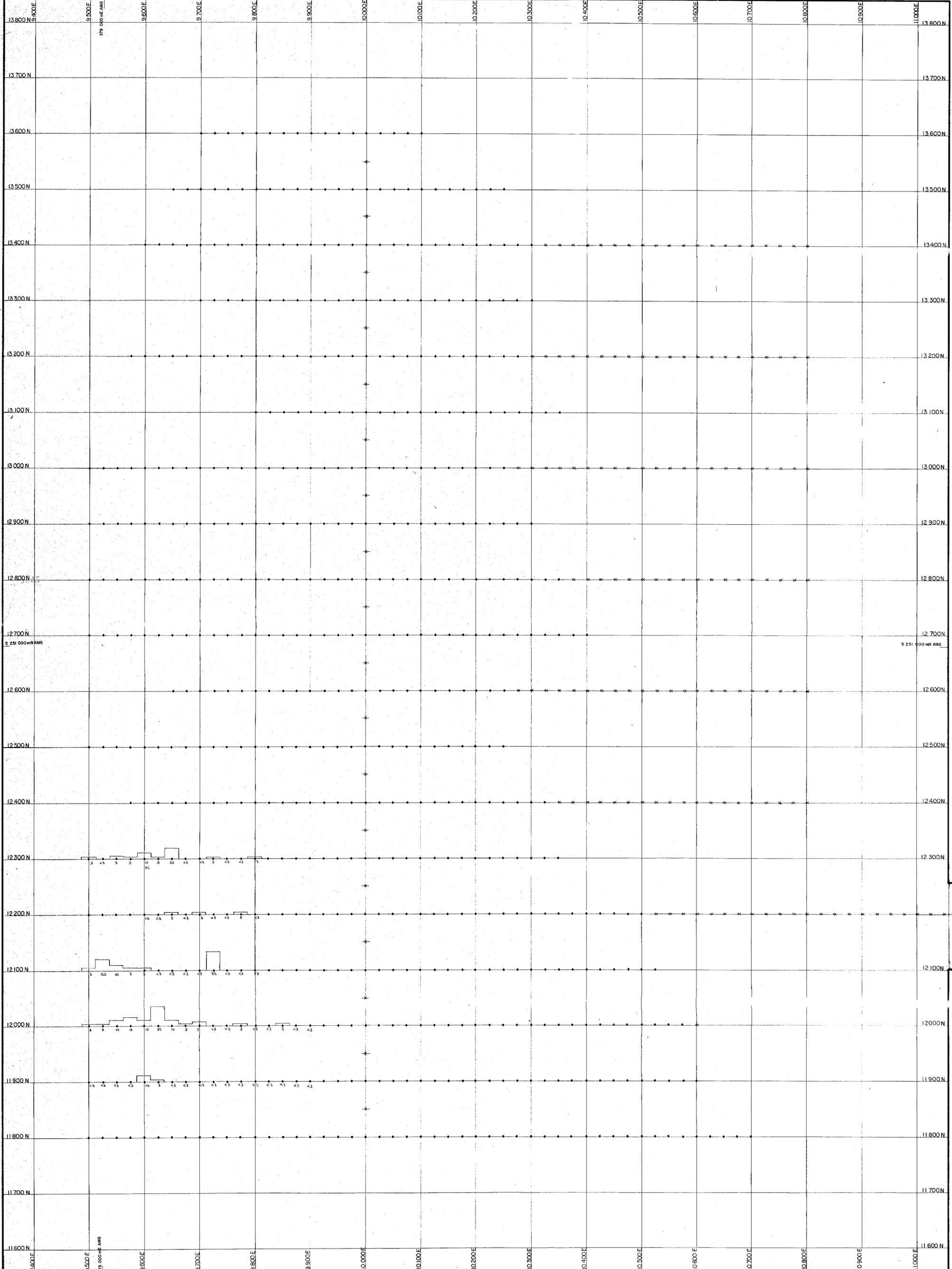


LEGEND  
 □ Pencil sketch  
 ○ Mark

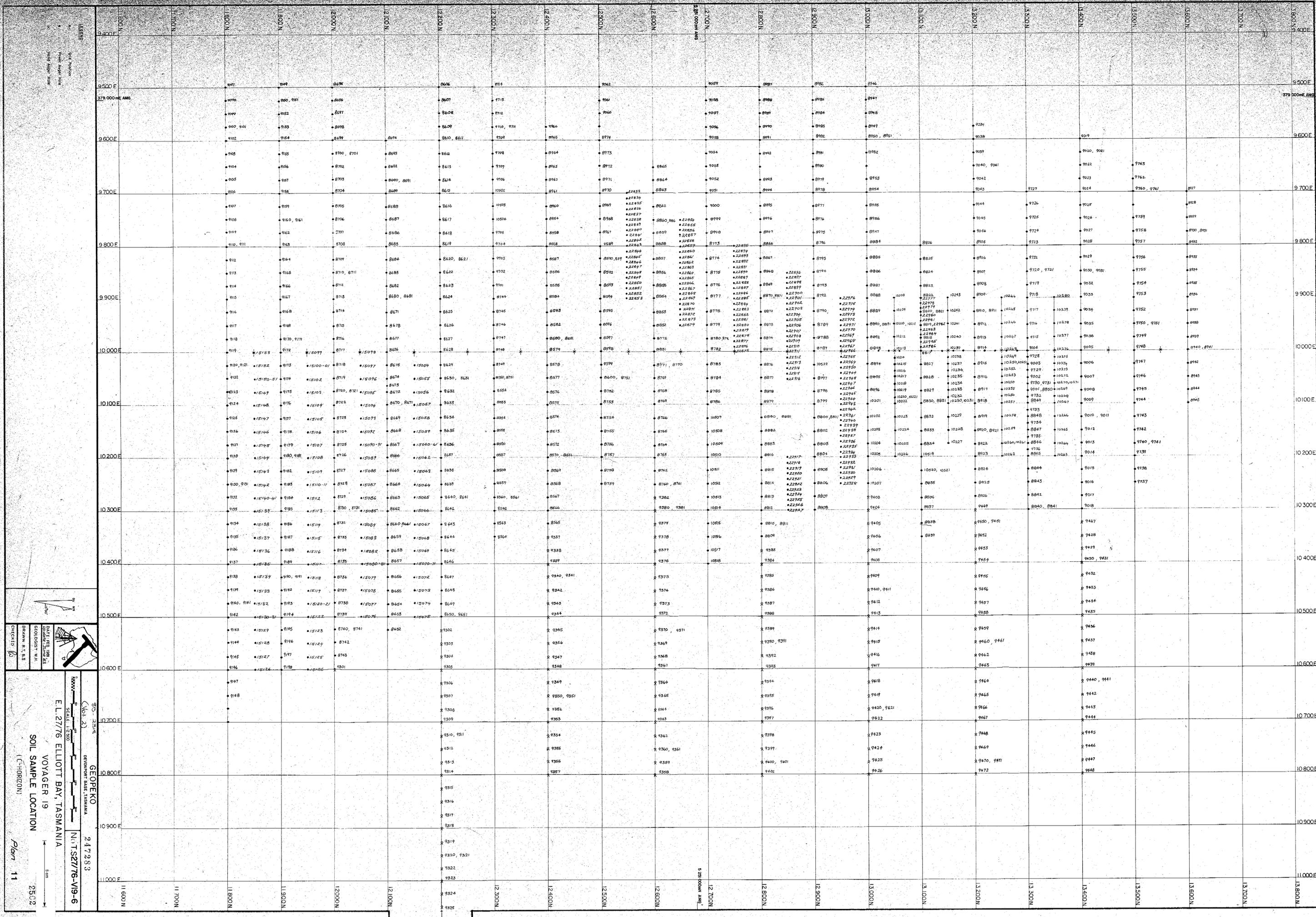
Bar Graph : 1 cm = 25ppb

|                                 |               |         |          |
|---------------------------------|---------------|---------|----------|
| 85-2816                         |               | GEOPEKO |          |
| (Vol 2)                         |               | PLAN No |          |
| FILE No                         | TS 27/76-V29W | PLAN No | <b>8</b> |
| E.L.27/76 ELLIOTT BAY, TASMANIA |               |         |          |
| VOYAGER 29W                     |               |         |          |
| C-HORIZON GEOCHEMISTRY RESULTS  |               |         |          |
| GOLD in ppb                     |               |         |          |
| <b>2499</b>                     |               |         |          |



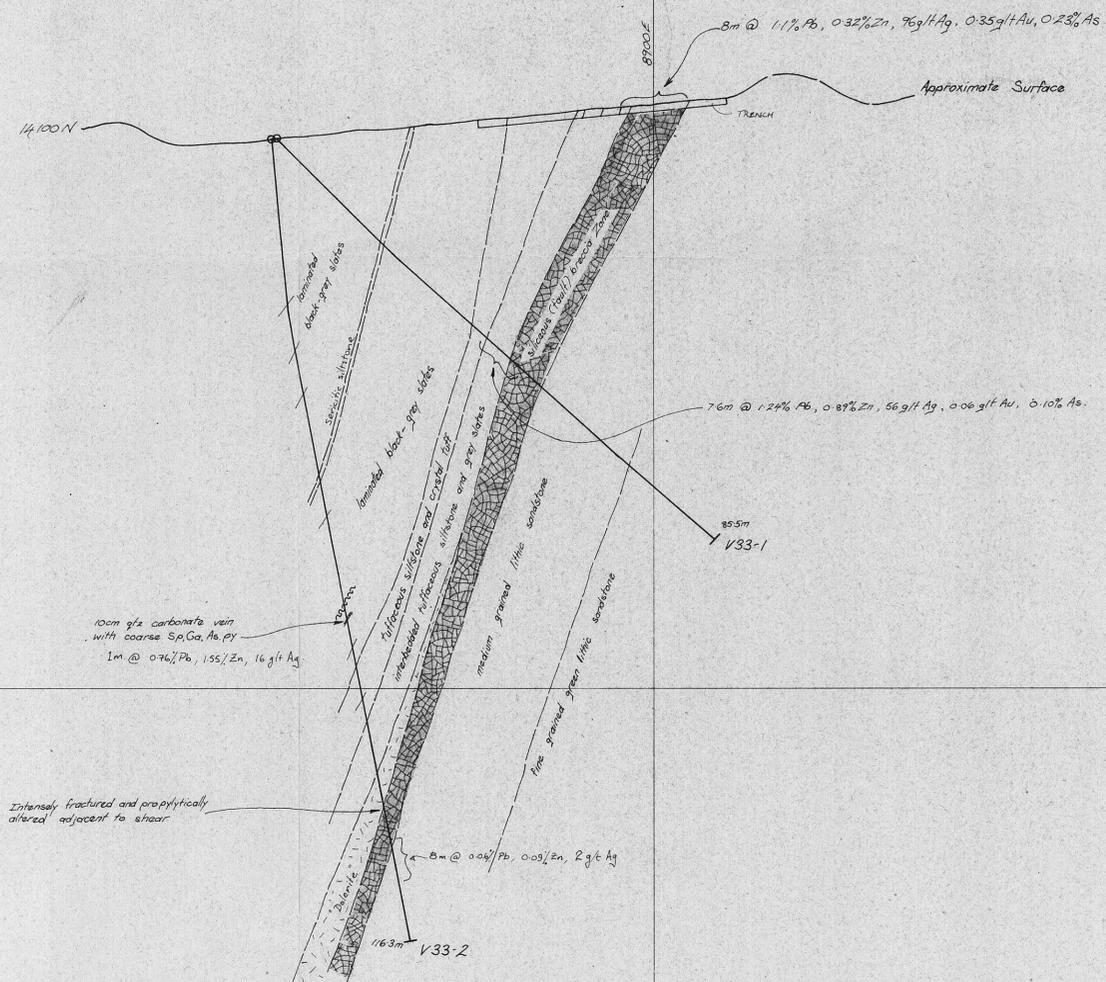


|   |  |  |  |   |  |
|---|--|--|--|---|--|
| <p><b>LEGEND:</b></p> <ul style="list-style-type: none"> <li>-x-..... Grid Position</li> <li>..... Power Auger Hole</li> <li>..... Hand Auger Hole</li> </ul> | <ul style="list-style-type: none"> <li>Original Sample</li> <li>Sample Position</li> <li>Duplicate Sample</li> </ul> | <p><b>NOTE:</b> All values in ppb</p> <p>Bar Graph: 1cm = 25 ppb</p> |  | <p>DATE: FEB 1981</p> <p>GEOLOGIST: W.H.</p> <p>DRAWN: R.TODDIN</p> <p>CHECKED:</p> | <p>85-2315<br/>(Vol 2)</p> <p><b>GEOPEKO</b> 247282<br/>DEVONPORT BASE, TASMANIA</p> <p>No.T.S27/76-VI9-1</p> <p>E.L.27/76 ELLIOTT BAY, TASMANIA</p> <p>VOYAGER 19 2501</p> <p>C-HORIZON GEOCHEMISTRY RESULTS</p> <p>60LD in ppb</p> <p>10</p> |
|---|--|--|--|---|--|



DATE: FEB 1981  
 GEOLOGIST: W.H.  
 DRAWN: R.T.S.  
 CHECKED:

GEOPK0  
 2 47 283  
 DEMONSTRATION BASE TASMANIA  
 E.L. 2776 ELLIOTT BAY, TASMANIA  
 VOYAGER 19  
 SOIL SAMPLE LOCATION  
 (C-HORIZON)  
 Part 11



**V33-1**

Collar Co-ords 8846.7E / 14100N  
 Collar Azimuth 77°M (Grid East)  
 Collar Inclination -45°

Borehole Surveys

| Depth | Azimuth | Inclination |
|-------|---------|-------------|
| 50m   | 89.5°M  | -42.5°      |
| 85m   | 79.5°M  | -41°        |

**V33-2**

Collar Co-ords 8846.2E / 14100N  
 Collar Azimuth 77°M (Grid East)  
 Collar Inclination -85°

Borehole Surveys

| Depth | Azimuth | Inclination |
|-------|---------|-------------|
| 50m   | 16°M    | -81.5°      |
| 88m   | 145°M   | -79°        |
| 115m  | 46°M    | -78°        |

247284

85-2318  
 (Vol 2)  
**GEOPEKO**  
 A DIVISION OF PEKO-WALLSEND OPERATIONS LTD.  
 1:500  
 METRES: 0 10 20 30 40 50  
 AUSTRALIAN MAP GRID  
 Map Ref  
**DEVONPORT**  
 E.L. 27/76 Elliott Bay, Tas.  
 Voyager 33  
 DDH 1 + 2  
 2503  
 Gordon No. Base No. 12

