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Tasmanian Base Metals Project

E.L. 32/94

Gowrie Park

Annual Report.  
 Jan. 1995 - Jan. 1996

96-3829

DEVELOPMENT & RESOURCES  
 25 JAN 1996  
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Vol 1 of 1

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HELD BY: Renison Limited.

MANAGER & OPERATOR: RGC Exploration Pty Ltd.

**96-3829**

TASMANIAN BASE METALS PROJECT  
 EL 32/94 GOWRIE PARK ANNUAL REPORT  
 1995-96 - HALLEY, S W & VICARY, M J - RGC

13 January 1996

AUTHOR(s):  
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PROSPECTS: Gowrie Park, Cethana Pyrite Zone

MAP SHEETS:	<b>1:25,000:</b>	<b>1:100,000:</b>
	Cethana	Forth
GEOGRAPHIC COORDS	Min East: 432 000 mE	Max East: 438 000 mE
	Min North: 5 406 000 mN	Max North: 5 409 000 mN

COMMODITY(s): Base Metals (Cu, Pb, Zn) and Au

KEY WORDS: Massive sulphide deposit, Sericite-pyrite alteration, Soil geochemistry

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- o RGC Exploration Information Centre Reference:
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## SUMMARY

EL 32/94 - Gowrie Park is situated approximately 34 km south of Devonport in northern Tasmania. The target at Gowrie Park is a volcanic hosted massive sulphide deposit.

Previous exploration by CRA, Aberfoyle and others has indicated the presence of an 8 km long belt of variably altered rhyolitic to andesitic volcanic rock that extends east from Cethana to the Gowrie Park area. These rocks contain anomalous levels of base metals and sub-seafloor style basemetal veining has been intersected by diamond drilling. The eastern extension of this zone has received little attention by previous explorers.

RGC's exploration program in the first year of tenure has focused on the reassessment of the Gowrie Park area and has extended a new grid 3 km to the east to cover previously unexplored terrain. Mapping, soil geochemistry and ground magnetics are used as primary tools to identify the sea floor position at the time of the mineralising event. Future exploration will center of the systematic testing of the possible exhalite horizon by diamond drilling.

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## 1. INTRODUCTION

EL 32/94 - Gowrie Park is held by Renison Limited and is explored by RGC Exploration, both wholly owned subsidiaries of RGC Limited. The license is located in northern Tasmania approximately 34 km south of Devonport, and is situated on the northwestern slopes of Mount Roland, Mount Van Dyke and Mount Claude (Figure 1). It was granted on January 13, 1995 and covers an area of 18 sq km.

Gowrie Park is a disused Hydro Electric Commission village and is approximately 10 km southwest of Sheffield, the nearest major township. The major access to the EL from Sheffield is via Claude Road.

The topography of the EL is dominated by the steep northern and western slopes of Mount Claude, Van Dyke and Roland. These form an elevated ridge that defines the southern and eastern boundaries to the EL. The Dasher River flows in a broad valley in the northwest corner of the lease and O'Neills Creek forms a major drainage in the gully between Mount Roland and Mount Claude.

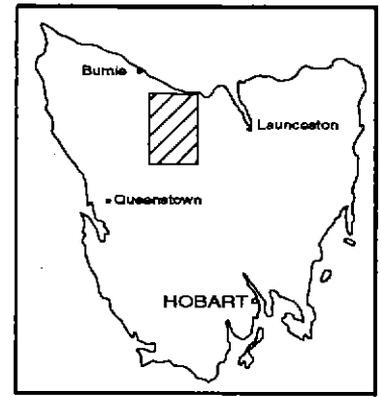
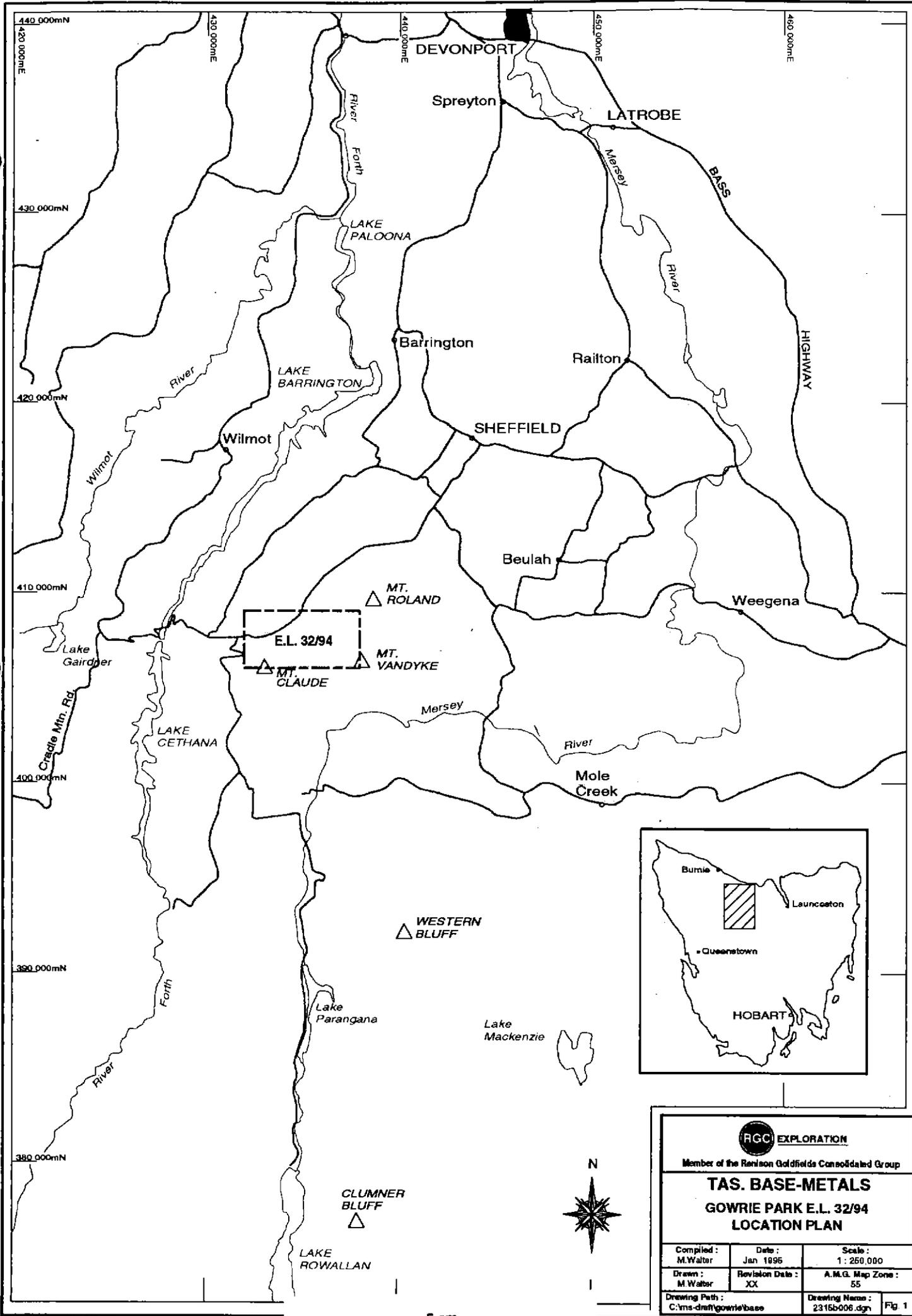
The vegetation consists predominantly of medium eucalypt forest and light tea tree scrub with some patches of rainforest. The more fertile soils of the Dasher Valley have been cleared and support farming activities.

The area was acquired for its potential to host Rosebery style Cu-Pb-Zn-Ag mineralisation.

## 2. TENURE

The EL comprises:

- Private Property
- Crown Land (Deferred Forest Land)
- Crown Land
- Land Vested in HEC.

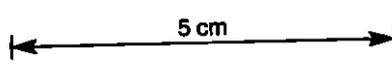


**FGG EXPLORATION**  
Member of the Razon Goldfields Consolidated Group

**TAS. BASE-METALS**  
**GOWRIE PARK E.L. 32/94**  
**LOCATION PLAN**

Compiled : M. Walter	Date : Jan 1995	Scale : 1 : 250,000
Drawn : M. Walter	Revision Date : XX	A.M.G. Map Zone : 55
Drawing Path : C:\ms-draft\gowrie\base		Drawing Name : 2315b006.dgn

Fig 1



### 3. PREVIOUS EXPLORATION

#### 3.1 Introduction

The Gowrie Park area consists of interbedded andesitic to rhyolitic lavas and volcanoclastic sediments which are variably sericite-silica-chlorite-pyrite altered and host minor stringer zone style Pb-Zn mineralisation. The area is a possible along strike extension of the Cethana Pyrite Zone, which is currently held by Plutonic Resources. The Gowrie Park area was acquired for its potential to host Rosebery style Cu-Pb-Zn-Ag mineralisation.

This report summarises the previous exploration in the Gowrie Park-Cethana area (Table 1.).

**Table 1.** Summary of Previous Exploration in the Cethana-Gowrie Park Area.

PERIOD	EL No.	COMPANY	LOCATION
1973 - 1987	EL 7/73	Asarco/CRA	Sheffield
1976 - 1988	EL 10/73	CRA	Cethana
1988 - 1993	EL 11/88	Aberfoyle	Gowrie Park
1988 -	EL 10/88	Noranda/Plutonic	Cethana
1995 -	EL 32/94	RGC Exploration	Gowrie Park

#### 3.2 Summary of Exploration in EL 7/73 (Gowrie Park Area only)

**1973-1975** Anon.(1974) and Barker (1975)

Early exploration within EL 7/73 was by Asarco Pty Ltd who conducted a regional stream sediment survey in 1973. Most of the major stream systems in the Cethana and Gowrie Park areas were sampled and several anomalous zones detected. This included the Cambrian volcanics outcropping on the north face of Mount Claude and near the Mount Roland Prospect. Anomalies detected in the Cethana area are discussed in the section summarising EL 10/73.

Barker (1975) reports on additional stream sediment and rock chip sampling over the Mt Roland and Mt Claude anomalies. Slightly anomalous results were obtained with the best results of 17300 ppm Zn and 18000 ppm Pb obtained from rock chips from an old adit at the Mt Roland Prospect.

A further rock chip sampling program of the adit face and two lines of soil sampling was conducted at the Mt Roland Prospect (Williamson, 1975) and results of up to 6700 ppm Zn and 6400 ppm Pb were recorded.

**June 1977-February 1978**

Purvis (1978)

CRA Exploration Pty Ltd entered a joint venture with Asarco and became managers of EL 7773 in 1977. An extensive grid was constructed in the Gowrie Park area over which geological mapping, soil and rock chip sampling and IP and magnetic surveys performed. Several Pb-Zn anomalies and IP anomalies were detected from these surveys and three diamond drill holes subsequently drilled to test the best anomalies.

Drill hole 77GPC1 tested the best IP anomaly (approximately 5x background chargeability peak with a marked drop in resistivity). Minor pyrite-hematite-galena-sphalerite mineralisation was intersected. The best intersections were:

- 26.1 - 29.1m: 3.0m @ 6370 ppm Pb and 260 ppm Zn,
- 32.7 - 35.5m: 2.8m @ 1.08% Pb and 850 ppm Zn,
- 82.8 - 83.5m: 0.7m @ 1.35% Pb, 1% Zn and 16 ppm Ag, and
- 89.0 - 90.3m: 1.3m @ 6600 ppm Pb and 2200 ppm Zn.

Drill hole 77GPC2 was sited over a strong geochemical anomaly of 3450 ppm Pb in soils and 3.55% Pb in rocks and a moderate IP anomaly of 2x background. The best intersections were:

- 61.9 - 77.7m: 15.8m @ 7034 ppm Pb and 2101 ppm Zn,
- 61.9 - 65.9m: 4.0m @ 1.01% Pb and 1672 ppm Zn, and
- 71.7 - 77.7m: 6.0m @ 8865 ppm Pb and 3738 ppm Zn.

Drill hole 77GPC3 tested a combined IP and Pb soil anomaly. The best intersections were:

- 34.0 - 43.4m: 9.4m @ 1.05% Pb and 3700 ppm Zn, including
- 36.7 - 39.7m: 3.0m @ 1.75% Pb and 5470 ppm Zn and
- 41.6 - 42.6m: 1.0m @ 2.75% Pb and 9500 ppm Zn.

Down hole IP surveys were conducted on each hole (Howland-Rose, 1977).

**1979-1983**

Weber, 1983

A grid was cut at the Mt Roland Prospect in early 1979 and mapping and soil and rock chip sampling performed. Anomalous Pb and Zn results were recorded from near the old adit, which was subsequently reopened and channel samples of up to 3300 ppm Pb and 1.57% Zn collected.

A dipole-dipole IP survey was conducted over the grid in March 1979 and two distinct chargeability zones identified. Two trenches were dug to investigate the northern most zone however rock chip sampling did not reveal any anomalous base metal values. Drill hole 80MR1 was drilled to test the southern chargeability zone.

Only slightly anomalous values of up to 630 ppm Pb, 200 ppm Zn and 475 ppm Cu were detected from assays.

In January-February 1981 a regional Dighem II survey was flown over EL 773 (Dvorak and Vergos, 1981). A bullseye aeromagnetic anomaly coincident with a minor EM anomaly was detected approximately 500m north of the Mt Roland Grid. The grid was subsequently extended and soil sampling, ground magnetics and a Pulse EM survey conducted. The EM survey failed to locate a conductor and ground magnetics indicated a magnetic source, probably disseminated magnetite. After this investigation CRA performed no further exploration at the Mt Roland Prospect.

**February 1983-February 1984** Weber, 1984

Exploration in EL 773 during this period was largely conducted away from the Gowrie Park area, although some reconnaissance was made at the Ireland Prospect approximately 1.5 km SW of the Claude Road township.

The Ireland Prospect was generated from the 1981 Dighem II survey which detected a magnetic anomaly in the head waters of a creek in which Asarco had previously obtained anomalous stream sediment values of 46 ppm Pb, 180 ppm Zn and 12 ppm Cu. Subsequent follow up exploration consisted of four lines of ground magnetics and the collection of 9 soil samples, 3 rock chip samples and 1 stream sediment sample. Chemical assays revealed low levels of base metals and it was concluded that the magnetic anomaly was due to the presence of magnetic andesitic lavas. No further work was recommended.

**February 1984-February 1985** Temby, 1985a

In 1984 an extensive UTEM survey was conducted over the Gowrie Park and Mt Roland Grids. Several UTEM anomalies were detected and two were subsequently tested by drilling, RD84MR2 and RD84GP4. Both holes were tested by downhole EM and no off hole conductors were detected.

Drill holes GPC1, GPC2, and GPC3 were assayed for Au. Best values were GPC1: 1m @ 1.1 ppm Au, GPC2: 1m @ 0.16 ppm Au, and GPC3: 1.3m @ 0.06 ppm Au.

All previous stream sediment data was compiled at 1:25000.

**February 1985-February 1986** von Strokirch, 1986

Drill hole DD85GP5 was drilled but abandoned at 96m due to bad ground. The hole intersected a sandy epiclastic sequence with 2-3% Galena from 47.3-49.1m and minor carbonate veining with up to 10% galena from 63-89m. Maximum assays of up to 2940 ppm Cu, 1.26% Pb, 1420 ppm Zn and 5 ppm Ag were reported. Down hole EM was not performed.

A regional stream sediment program seeking fine gold as either a primary target or as a pathfinder for VHMS deposits was conducted. Samples were analysed for Cu, Pb, Zn, Ag, As, %Fe, Mn, Ba, and Au and were collected throughout EL 7/73 and EL 10/73.

**February 1987-July 1987** Funnell, 1987

The Gowrie Park area was relinquished in July 1987.

### **3.3 Summary of Exploration in EL 10/76 Cethana**

#### **Pre-1976 Exploration**

The Cethana area was originally part of EL 7/73. Early exploration within this EL by Asarco consisted of a regional stream sediment sampling program that was successful in delineating several anomalous zones. Within the future EL 10/76 boundaries maximum values of 310 ppm Cu and 700 ppm Pb were obtained from Machinery Creek while a small creek draining the northern slopes of Olivers Road had 950 ppm Zn (Anon., 1974).

The Machinery Creek anomaly was followed up by additional stream sediment and rock chip sampling in 1974-75 but only weakly anomalous results obtained (Barker, 1975).

EL 10/76 was pegged in March 1976 after the Mines Department relinquished part of a reserve within EL 7/73. It covers the area of Cambrian volcanics to the north of Round Mountain in the Olivers Road- Cethana Road area.

Exploration within EL 10/76 centered on two main areas; Western Cethana and Eastern Cethana.

**August 1976-August 1977 Western Cethana** Purvis, 1977a

Initial work in the Western Cethana area consisted of the establishment of a grid with 100m spacing. This was subsequently mapped and an extensive soil sampling program performed. Analyses revealed several distinct Pb-Zn anomalies although Cu was rarely anomalous. Mapping indicated a complex sequence of acid pyroclastics and tuffs with variable quartz-sericite-(chlorite) alteration. The sequence was deposited in a marine environment and the presence of interbedded cherts and black tuffaceous shales were considered to correspond to conditions favourable for massive sulphide deposition.

An IP survey was conducted over the grid and a summary of results indicated a lack of anomalies over the main zone of quartz-sericite schists (Howland-Rose, 1977 and Kirton, 1977).

Three diamond drill holes 77-CC1, 77-CC2 and 77-CC3 were drilled to test the best Pb-Zn soil anomalies.

**September 1976-September 1977 Eastern Cethana**

Purvis, 1977b

The exploration program at Eastern Cethana during this period essentially mirrored that described above for Western Cethana. A grid was established and subsequently mapped and soil and rock chip samples collected for analysis. Soil assays indicated maximum values of 2900 ppm Pb, 1720 ppm Zn, 216 ppm Cu and 6 ppm Ag. Rock chip samples had maximum values of 1.17% Pb, 5500 ppm Pb, 200 ppm Cu and 10 ppm Ag.

Gradient array IP, EM and ground magnetic surveys were performed (Kirton, 1977 and Howland-Rose, 1977), and a distinct zone of high chargeability was recognised. This was coincident on the main zone of anomalous soil geochemistry. Two drillholes 77CC4 and 77CC5 were drilled to test coincident IP and geochemical anomalies. Hole 77CC4 encountered significant amounts of pyrite however average base metal values of 180 ppm Pb, 350 ppm Zn and 21 ppm Cu were generally low. Grades for 77CC5 were more encouraging with the hole averaging 680 ppm Pb, 1240 ppm Zn and 200 ppm Cu. The best intersection was 1m at 0.8% Pb, 3.88% Zn, 1.18% Cu and 185 ppm Ag.

**August 1977-November 1979 Western Cethana**

Purvis, 1979a

During this period only minimal work was performed in the Western Cethana area and consisted of limited IP surveys and rock chip sampling near drill hole CC1.

**September 1977-September 1979 Eastern Cethana**

Purvis, 1979b

Three further drill holes were drilled at the Eastern Cethana grid during this period. Drill holes 77CC6 and 77CC7 tested gradient array IP anomalies while drill hole 77CC8 investigated the possible down dip extension of the mineralisation encountered in 77CC5. Finely disseminated galena and sphalerite mineralisation was detected in 77CC6 with the best intersects of 4.5m at 0.4% Pb and 1.2% Zn and 2.4m at 1% Pb and 0.65% Zn. Hole 77CC7 had best intersections of 0.6m at 1400 ppm Pb and 4550 ppm Zn, 17.5m at 693 ppm Pb and 2453 ppm Zn and 3.2m at 1694 ppm Pb and 2009 ppm Zn.

The down dip extension of the 77CC5 mineralisation was not encountered in 77CC8 due to possible faulting. Best intersections of 0.75m at 1500 ppm Pb and 5000 ppm Zn, 3.0m at 1150 ppm Pb and 3150 ppm Zn and 10.0 m at 1220 ppm Pb and 4120 ppm Zn were reported.

A Dipole-Dipole IP survey was performed over the grid and this showed that most of the gradient array IP anomalies were spurious. A new anomaly coincident with a soil

anomaly of 1275 ppm Pb and 520 ppm Zn was located on Line 21800E but has never been tested.

**1981-1982** Flis, 1983

A regional Dighem II survey was flown over EL 7/73 and EL 10/76 in January - February 1981 (Dvorak and Vergos, 1981). Flis (1983) reports that 24 EM responses were detected over EL 10/76, of which only 4 were considered worthy of ground follow up. Only one anomaly, at the western end of the Cethana East Grid was located over Cambrian volcanics. Subsequent follow up by VLF-EM and Crone Pulse EM concluded that the anomaly was due to an unmineralised black shale unit.

**February 1984-February 1985** Temby, 1985b

A UTEM survey was conducted over both the Western and Eastern Cethana grids in 1984. A coincident UTEM, resistivity low and aeromagnetic anomaly was located within the Western Cethana grid. This was subsequently tested by drill hole PD84CC9 which intersected a highly pyritic zone from 72-96m. Small fragments of 25% pyrite were reported from 80-85m and were considered to represent massive sulphide mineralisation. Maximum Pb and Zn values of 320 ppm Pb, 820 ppm Zn and 5 ppm Au were reported from this interval. A EM37 down hole survey was performed but failed to identify any off hole conductors.

A second UTEM anomaly was recognised in the Cethana East grid. This was coincident with a gradient array IP (resistivity low and chargeability high) anomaly, a VLF-EM anomaly and magnetic high and was tested by drillhole PD84CC10. The hole passed through Cambrian Volcanics into overturned Roland Conglomerate. It had maximum assays of 45 ppm Cu, 1800 ppm Pb, 920 ppm Zn and 2 ppm Ag.

All previous drill holes CC1-CC8 were reassayed for Au. The results were generally disappointing and it was concluded that the Gowrie Park area (EL 7/73) with higher Au values had more potential for economic massive sulphide mineralisation.

All previous exploration in EL 10/76 was compiled at 1:5000 scale.

**February 1985-February 1986** Caithness, 1986

Very little work was done within EL 10/76 during this period. Three drill holes were proposed to test a prospective chlorite altered zone along strike from PD84CC9.

**February 1986-February 1987** Caithness and von Strokirch, 1987

Drill hole DD86CC11 and DD86CC12 were drilled to test the possible along strike extension of mineralisation encountered in hole PD84CC9. Hole CC11 was abandoned at 77m and the second hole CC12 was collared 1m away. Maximum

values of 640 ppm Cu, 1650 ppm Pb, 4100 ppm Zn, 7 ppm Ag and 0.04 ppm Au were reported.

Drillhole DD86CC13 tested a soil over a sequence of favourable rock types. Assays of 3800 ppm Cu (generally <50 ppm), 6500 ppm Pb, 4700 ppm Zn, 6 ppm Ag and 0.08 ppm Au were reported.

Downhole EM surveys were abandoned for each of the three holes due to powerline noise.

Four follow up stream sediment samples were collected from near Machinery Creek. Some anomalous Au values reported.

**February 1987-February 1988** Funnell, 1988

Only limited stream sediment samples were collected from Machinery Creek prior to lease relinquishment.

### **3.4 Summary of Exploration in EL 11/88 Gowrie Park**

**July 1988-July 1989** Rand and Noonan, 1989

EL 11/88 was held by Aberfoyle Resources from July 1988. The EL encompassed the Gowrie Park area and the Lower Beulah area. Only limited regional rock chip sampling for petrology and geochemistry was performed during this period.

**July 1989-July 1990** Rand, 1990

Exploration in the Gowrie Park area centred on two areas: the Mount Roland area and the Gowrie Park area. Extensive 1:2500 and 1:10000 scale geological mapping in these areas indicated a sequence of hornblende phyric andesite lavas, rhyolite lavas and interbedded rhyolitic to andesitic volcanoclastics sediments. On the basis of geochemistry and petrology Tony Crawford correlates the andesites with Tyndall Group andesites from near Lake Dora.

At the Mount Roland Prospect a new grid was constructed over the old CRA grid, and mapping and rock chip sampling performed. Minor sphalerite and galena veining was reported at the old adit and assays of 210 ppm Cu, 1.75% Pb, 4.82% Zn, 9 ppm Ag and 0.7 ppm Au reported. A Pb isotope study performed on samples suggested a Cambrian isotopic signature. A UTEM survey over the grid failed to detect any response attributable to a massive sulphide deposit.

At the Gowrie Park area only limited reconnaissance mapping and rock chip sampling was performed. Rock chip samples gave assays up to 125 ppm Cu, 90

ppm Pb and 1100 ppm Zn. A lead isotope study suggested a Cambrian isotopic signature for mineralisation reported from this area.

### **July 1990-July 1991**

Hicks and Richardson, 1991

Only minimal work was performed during this period. To the north of the Mt Roland grid reconnaissance mapping and stream sediment and rock chip sampling indicated the presence of strongly silica-sericite-pyrite altered volcanics. Some additional sampling and mapping at 1:2500 was performed at Gowrie Park.

### **August 1992-July 1993**

Sharpe, 1993

The Mt Roland grid was extended to the northeast to cover the alteration located by Hicks and Richardson in 1991. Rock chip and ferrous drainage samples were collected but revealed only low base metal contents. A 4.3 line km Zonge EM survey was conducted and no bed rock conductors identified.

In the Gowrie Park area a grid was established to the northwest of the CRA grid and a 3 loop UTEM survey conducted. No significant conductors were found.

EL 11/88 was subsequently relinquished.

## **3.5 Post 1988 Exploration in the Cethana Area.**

In 1988 the Cethana area became part of EL 10/88 held by Noranda Pty Ltd and subsequently Plutonic Resources after 1992.

In 1989 the geology and mineralisation of the Cethana Pyrite Zone was studied as part of a BSc(Hons) project (Hicks, 1989). He subdivided the volcanic sequence into an upper (UUV) and lower (LAV) sequence separated by a zone of quartz-sericite schists. The lower unit consists of strongly altered (5-25% sericite-(chlorite)) rhyolitic volcanoclastics and lavas. In contrast the upper unit comprises less altered glassy lavas and tuffs. The zone of quartz-sericite schists was considered to represent either a sea floor horizon along which massive sulphide mineralisation may occur or a sub-sea floor horizon where by alteration and mineralisation occurred due to an overlying impermeable horizon.

Isotopic studies suggest that the mineralisation is Cambrian in origin and that within the main alteration zone temperatures of about 200 °C occurred. This temperature is probably not hot enough to allow significant base metal deposition, and suggests that the Cethana Pyrite Zone may be analogous to other MRV barren systems (eg. Chester and Boco).

### 3.6 Conclusion

The Gowrie Park EL has been explored by various exploration companies since 1973. They have recognised a sequence of variably altered andesite lavas, rhyolite lavas and interbedded volcanoclastic sediments. Previous soil surveys have established an elongate Pb - Zn anomaly that extends west into the Cethana Pyrite Zone. Subsequent IP and EM surveys have shown that geophysical anomalies are coincident with the soil anomaly. Five shallow holes were drilled to test the best soil and geophysical anomalies at Gowrie Park. Three of these intersected widespread veinlets and disseminations of base metals. The best results were from the very eastern end of the surveyed area and the anomalies were not closed off to the east. The available aero-magnetic data suggests that the sequence of rocks hosting the mineralisation probably continues along strike for another 3 km beyond the edge of the previous surveys. This area has been poorly tested by previous exploration and prompted RGC to secure a lease over the Gowrie Park area in 1995.

RGC's objective in the Gowrie Park area is to explore deeper levels below the known Gowrie Park mineralisation and to test for a possible eastern extension to this zone. Our initial aim was to recognise by mapping and soil geochemistry where the seafloor position was at the time of the mineralisation event. Once the position of the seafloor was established the exhalite horizon will be systematically tested by diamond drilling.

### 4. WORK COMPLETED

In the period January 1995 - January 1996 the work completed in EL 32/94 - Gowrie Park includes the following:-

- 1) Literature review of previous exploration,
- 2) Relogging of old diamond drill holes,
- 3) 37 line km of track cutting,
- 4) Geological Mapping,
- 5) Analysis of 19 rock chips,
- 6) Analysis of 460 soil samples,
- 7) 37 line km of Ground Magnetics, and
- 8) An additional infill soil sampling program of 127 soil samples and 4 rock chips.

## 5. RESULTS

### 5.1 Drill Core Relogging

To assist in the interpretation of the previous exploration in the Gowrie Park and Cethana areas a selection of drill core available at the Mines Department in Mornington was relogged. The following drill holes were relogged:-

- A) Gowrie Park Area 77GPC1,  
77GPC2,  
77CPC3,  
DD85GP5 and  
DD80MR1.
- B) Cethana Area 77CC4,  
77CC5,  
77CC6 and  
77CC8.

The results are presented in Appendices 2 and 3. The codes and symbols used in the graph logs are presented in Appendix 1.

### 5.2 Geological Mapping

#### Aims

Previous exploration by CRA in the Gowrie Park area recognised a zone defined by coincident soil geochemistry and IP anomalies. This was tested with 5 diamond drill holes. The drilling showed that the anomalies were due to weak stockworks of sphalerite - galena veining. This was clearly a sub-seafloor style of mineralisation. Our objective in this area was to recognise where the seafloor position was at the time of the mineralisation event, so that we could follow up with a program to systematically test that possible exhalite horizon.

#### Mapping

The geology of the Gowrie Park Grid can be divided into three parts, with a rhyolite dominated sequence at the western end, an andesite dominated sequence at the north-eastern end, and a mixed volcanoclastic package in between. There were two significant problems in interpreting the geology in this area; 1) although there is abundant float, there is generally poor outcrop, and the steep slopes make float mapping somewhat unreliable, and 2) there is a very extensive cover of transported material, initially thought to be scree, but probably mostly glacial deposits consisting of sand, cobbles and boulders derived from the Roland conglomerate.

The rhyolites are massive quartz and feldspar phyric lavas and associated breccias with minor volcanoclastics. The phenocryst content is around 10% or less with a fine grained groundmass. The most pristine examples occur on the southern end of line

32000E. Most of the rhyolites are weakly sericitised. The feldspar phenocrysts in particular are replaced and pseudomorphed by pale green sericite and flattened into the cleavage.

(Eri)  
An unusual rhyolite body occurs between 32000E and 33200E. This rock has a coarse-grained equigranular texture comprised of a mosaic of quartz and feldspar. It is interpreted to be a sill.

(Eri)  
In the middle and eastern parts of the grid there are fine grained, aphyric, foliated, chloritic rocks within the rhyolites and near the top of the rhyolite sequence. They have been mapped as fine grained dacitic volcanoclastics because of the more chloritic composition and the lack of quartz phenocrysts. They may in fact be fine grained sediments of largely rhyolitic provenance that have been subsequently chloritised.

(Eri)  
At the eastern end of the grid the rhyolites are overlain by a package of fine to coarse grained, rhyolitic volcanoclastics. These rocks are generally quartz phyrlic volcanic sandstones. A gritty to gravelly facies of this unit on line 33400E contains very well rounded clasts including Precambrian quartzite. This coarser facies has a strong resemblance to the parts of the upper Tyndall Group.

(Eq) western?  
Two zones of quartzite occur at the eastern end of the grid. This rock is totally silicified and recrystallized, and outcrops with a sharp, angular, brittle fracture pattern. It looks much like the Precambrian quartzites, but no thin section work has been done on this rock.

The andesites occur at the eastern end of the grid and their distribution can be readily discerned from their high and complex magnetic pattern. It is apparent that they also extend well to the west under cover beneath the Dasher Valley. There appears to be quite a range of lithologies within the andesites. On line 36,800E and in O'Neill's Creek there are excellent outcrops of an andesitic conglomerate. It is a matrix supported conglomerate with very well rounded clasts of andesite lava in a sandy andesitic matrix. The clasts are generally quite large, from 5 to 30cm diameter. Mapping this material as float is very difficult because an impression is gained from the float that there are two different facies present, a coherent lava and a sandy volcanoclastic. It is equally difficult without the presence of a definitive outcrop to recognise the boundary of a coherent lava unit or a finer grained volcanoclastic, both of which are present in the sequence. This andesite complex is very similar to the Beulah Formation in terms of its chemistry and its facies associations.

In the south eastern part of the grid there is a mixed zone containing both andesites and quartz phyrlic lithologies. It was difficult to tell whether the quartz-phyric rocks were phenocryst-rich lavas or volcanoclastics. Although they are quartz bearing, they also contain chloritized ferro-mag phenocrysts and have a higher Ti/Hf ratio (therefore higher Ti/Zr also) than the rhyolites at the western end of the grid.

Fine grained sediments were extremely scarce in the grid area, and no bedded sediments were found either as float or in outcrop. Consequently no reliable facing indicators were located and we are still not sure which way the sequence is facing.

The area identified by CRA as having anomalous soil geochem and a chargeability response could also be recognised by its alteration. The alteration present here was a more intense sericitic alteration than the enclosing rhyolite package, but still lacking any conspicuous pyrite. The volcanoclastics north of the rhyolites at the western end of the grid are also more strongly sericitised and some elevated base metal soil geochemistry has also been noted here. This second zone of alteration may be more or less continuous around the southern edge of the andesites to the base of Mount Van Dyke. Although not a zone of intense alteration, it does occur at a distinct break in the style of volcanism and it may represent the seafloor position at the time the base metal stockwork mineralisation was forming.

### 5.3 Soil and Rock Chip Geochemistry

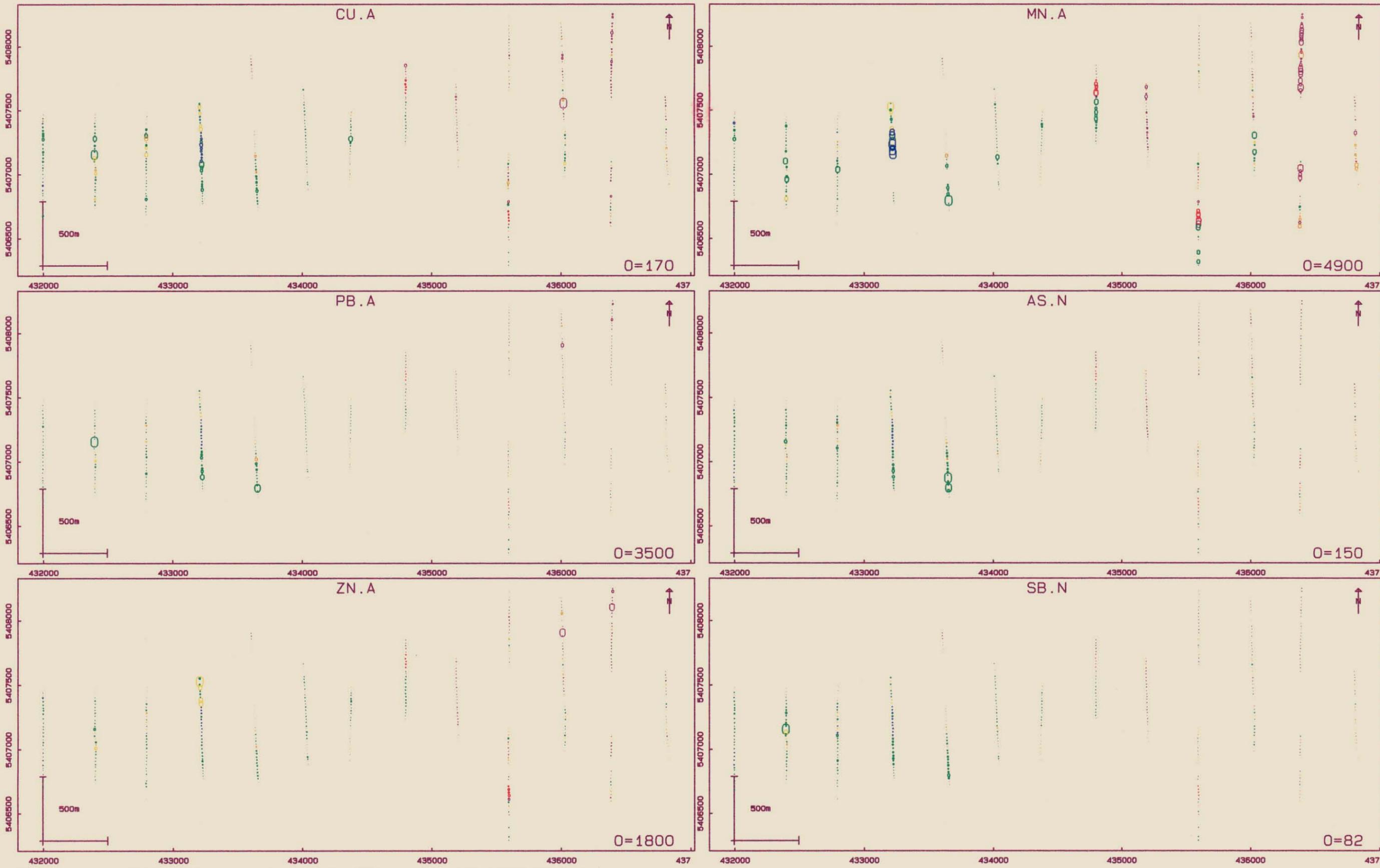
460 Soil samples were collected at approximately 25 m intervals on every second grid line (ie. lines 400m apart) of the Gowrie Park Grid. An additional 19 rock chip samples were collected during mapping. All samples were analysed by Analabs for the following elements:-

Method	Elements
AAS	Cu, Pb, Zn, Mn
XRF	Ti
NAA	Au, Ag, As, Ba, Br, Ce, Co, Cr, Cs, Eu, Fe, Hf, Ir, K, La, Lu, Mo, Na, Rb, Sb, Sc, Se, Sm, Sn, Ta, Th, W, Yb, U, Zn, Zr

No soil samples were assayed from areas of thick scree and talus cover. The results of the analyses are listed in Appendix 4.

Figure 2 shows the distribution of Cu, Pb, Zn, Mn, As, and Sb for the Gowrie Park Grid. In general, there is an increase in the Cu, Pb and Zn values in the western part of the grid and a slight Zn, Cu and Pb anomaly on the south end of line 435 600 mE. A program of infill soil sampling was completed over these areas in early December 1995. The results are presently unavailable.

A suite of Neutron Activation Analyses and Ti by XRF were analysed to help characterise the lithochemical subdivisions in the Gowrie Park area as a guide to map lithological boundaries in areas of poor outcrop. The data has been processed by RGC's in-house geochemical package "GAS".



CV1 - DISCRIMINANT ANALYSIS VARIABLE  
 PURPLE = ANDESITE; RED = LOW Zr ANDESITE; ORANGE = DACITE;  
 GREEN = RHYOLITE; YELLOW = REE-RICH RHYOLITE; BLUE = Zr-RICH VOLCANICLASTIC; PINK =  
 ROLAND CONGLOMERATE (screed contamination)

5 cm

FIGURE 2. Cu, Pb, Zn, Mn, As and Sb Distribution. Gowrie Park Grid.  
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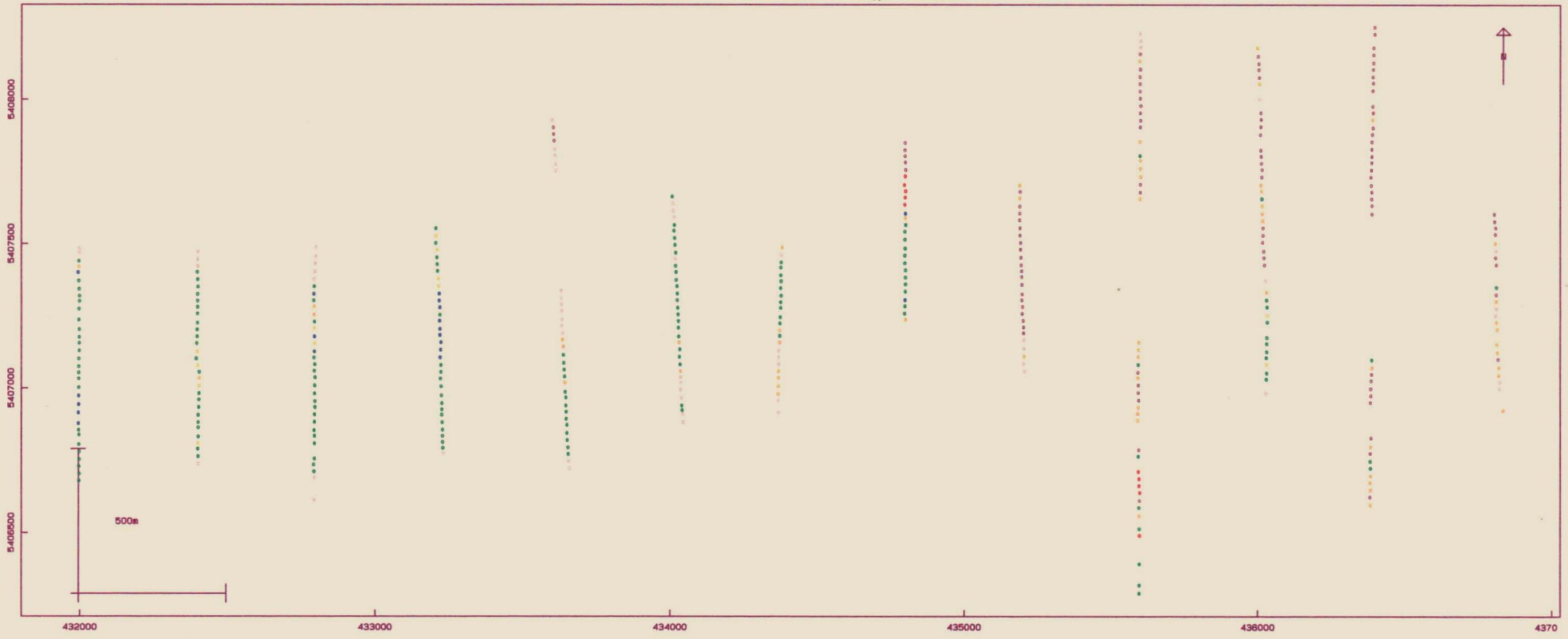
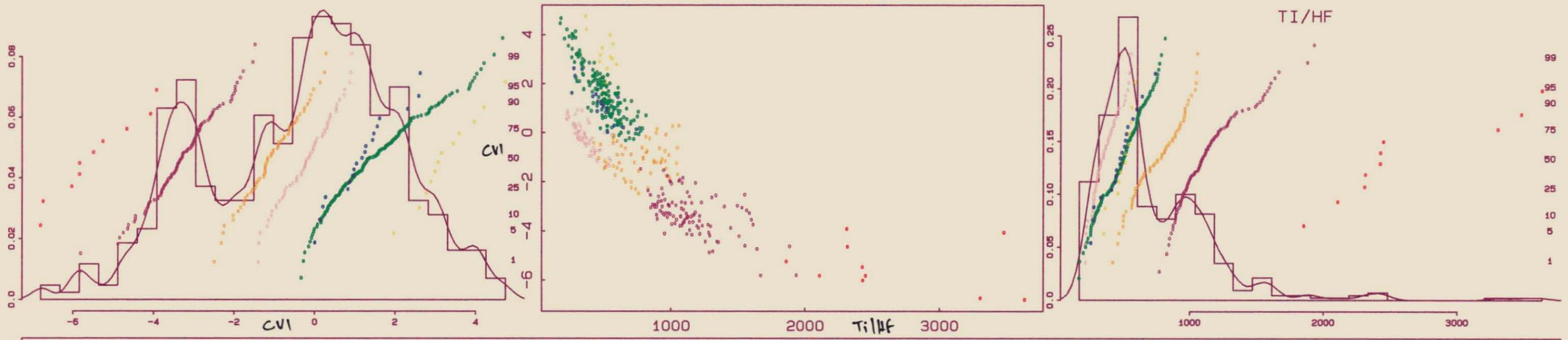
Hf has very similar atomic radius and co-ordination as Zr. The ratio Ti/Hf can be used to distinguish between different phases of magmatic differentiation and is directly analogous to the Ti/Zr ratio. By applying a discriminant analysis function to a select group of elements (ie. Ti/Hf, La, Ti, Sc, Hf, Ce, Sm, Fe, and Co) it is possible to recognise individual lithogeochemical units.

The upper central plot on Figure 3 is an X-Y plot showing how the discriminant analysis variable varies with Ti/Hf content. Seven lithogeochemical subdivisions can be recognised and have been assigned an individual colour code. The lower plot on Figure 3 is a plan view of the grid showing the location of each of the soil samples. The distribution of the colour codes reflects the general geological units as determined by mapping and the colour coding used on the GAS plots is similar the standard colours used on the geological interpretation (Plan 2). The major change in lithology from andesitic to rhyolitic across the grid from east to west is indicated by the relative distribution of the purple and green colours on the GAS plot.

Figure 4 shows the variation of the discriminant analysis variable against various elements and highlights how this technique can be used to distinguish individual lithogeochemical units. On most plots there is a strong correlation between the green group (rhyolites) and the blue group (a volcanoclastic sandstone). On the plot of CV1 v Hf there is a clear distinction between the two rock types with the volcanoclastic unit having a higher Hf content. This may reflect the presence of detrital zircon. Similarly, on the plots of CV1 v Sm, La and Ce the yellow unit is distinctly enriched in Light Rare Earth elements compared to the rhyolite (green) and clearly forms a unique lithogeochemical unit.

The andesites (purple) can be subdivided into two groups and a low Zr and Hf group has been separated and colour coded red. This unit has a higher Ti/Hf ratio than the other andesites and may have a more mafic composition.

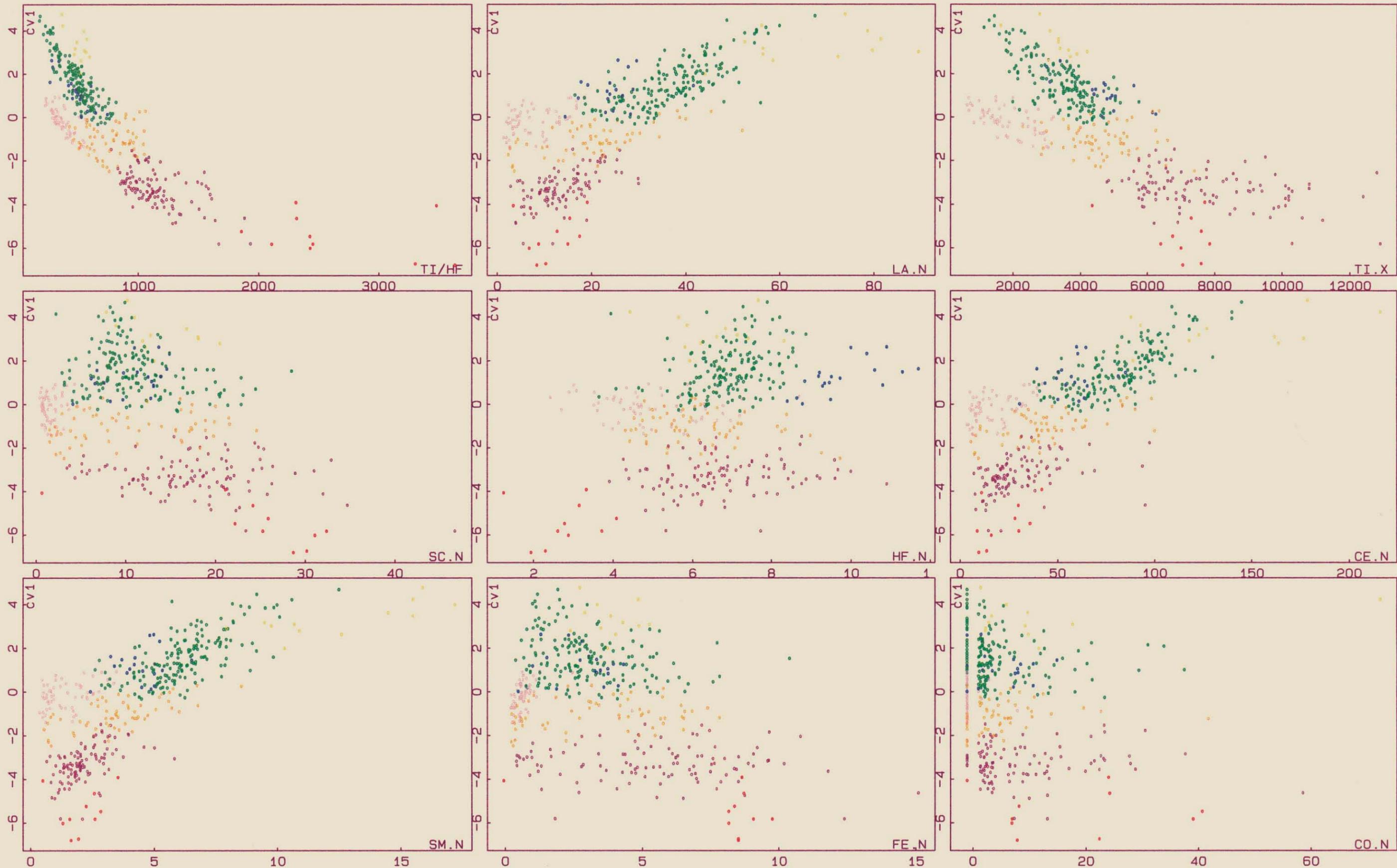
The pink group is rather poorly defined. On Figure 3 it can be seen to generally occur at the ends of each sampling line and probably reflects contamination by Roland Conglomerate scree and talus.



CV1 - DISCRIMINANT ANALYSIS VARIABLE  
 PURPLE = ANDESITE; RED = LOW Zr ANDESITE; ORANGE = DACITE;  
 GREEN = RHYOLITE; YELLOW = REE-RICH RHYOLITE; BLUE = Zr-RICH VOLCANICLASTIC; PINK =  
 ROLAND CONGLOMERATE (scree contamination)

FIGURE 3. Ti/Hf v CV1 GAS Plot.  
 TASMANIA 31/08/95 geochem.project='GOWRI Tue Dec 12 09:22:42 1995

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CV1 - DISCRIMINANT ANALYSIS VARIABLE  
 PURPLE = ANDESITE; RED = LOW Zr ANDESITE; ORANGE = DACITE;  
 GREEN = RHYOLITE; YELLOW = REE-RICH RHYOLITE; BLUE = Zr-RICH VOLCANICLASTIC; PINK =  
 ROLAND CONGLOMERATE (screed contamination)

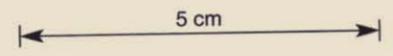


FIGURE 4. CV1 v Various Elements. Gowrie Park Grid.  
 TASMANIA 31/08/95 geochem.project='GOWRI Tue Dec 12 09:19:44 1995

#### 5.4 Ground Magnetic Survey

A ground magnetometer survey was conducted on the Gowrie Park Grid in July 1994. The survey was conducted along a series of north - south lines spaced 200m apart with measurements made at 5 metre intervals. The survey extended from line 2200 N to 7000 N and utilised a pair of Geometrics G856 proton precession magnetometers. One of these was established as a base station recording the diurnal variation of the Earth's magnetic field at 10 second intervals.

The results of the Ground Magnetic Survey are presented on the accompanying floppy disk and on Plans 2, 3 and 4.

Plan 3 shows a contour image of the Total Magnetic Intensity. In general terms there is a pronounced change in the magnetic character from east to west. This reflects the change in geology from andesitic to rhyolitic volcanics with the andesites being more magnetic.

A major northwest trending trough in the magnetics transects the central portion of the grid and may be the northern extension of a fault that offsets the Roland Conglomerate between Mount Van Dyke and Mount Roland.

The magnetics is a useful tool to predict areas of andesite beneath the surficial cover.

## 6. RECOMMENDATIONS

The soil sampling and mapping program has shown that the volcanics in the Gowrie Park area have areas of anomalous Pb and Zn geochemistry which correspond to areas of moderate to intense sericite alteration. An infill soil sampling program was conducted in late 1995 to further delineate the anomalies.

It is recommended that a series of short drill holes (200 - 300 m in length) be drilled to test the along strike extension of a possible sea floor exhalite position that occurs stratigraphically above the alteration. Each hole should be subsequently surveyed by DHEM.

Previous exploration in the Gowrie Park area has shown that IP is a useful exploration tool to detect sulphide mineralisation. An IP survey conducted over the zones with anomalous soil geochemistry may be useful in constraining the drill targets. However, since the soil anomalies are close to power lines such a survey may not be practical.

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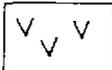
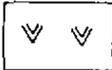
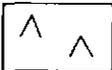
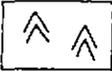
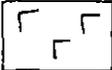
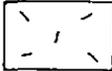
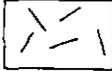
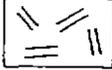
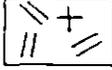
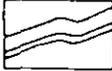
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**APPENDIX 1**

**Symbols and codes used in drill logs.**

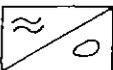
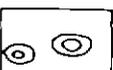
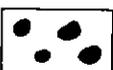
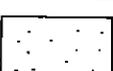
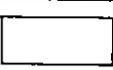
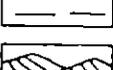
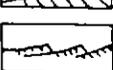
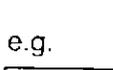
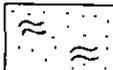
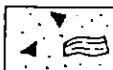
## SYMBOLS FOR COHERENT TEXTURES

- single line symbols for low to moderate phenocryst abundance
- double line symbols for abundant phenocrysts
- smaller symbols for fine grained phenocrysts
- larger symbols for coarse grained phenocrysts
- additional "+" symbol for coarse, phenocryst-rich granitoid texture

	basalt, poorly to moderately porphyritic basalt
	phenocryst-rich basalt
	andesite, poorly to moderately porphyritic andesite
	phenocryst-rich andesite
	dacite, poorly to moderately porphyritic dacite
	phenocryst-rich dacite
	fine, poorly to moderately porphyritic rhyolite
	coarse, poorly to moderately porphyritic rhyolite
	coarse, phenocryst-rich rhyolite
	coarse rhyolitic porphyry
	flow foliation
	spherulites, lithophysae, alteration spots, nodular devitrification texture

## SYMBOLS FOR VOLCANICLASTIC TEXTURES

- closer spaced symbols for dominant grain size and grain type

	pumice or relict pumice
	angular, juvenile lava clasts
	fiamme/ vitriclast or relict vitriclast
	accretionary lapilli
	angular, polymict lithic clasts
	rounded, polymict lithic clasts
	mudstone intraclast
	sand-size particles, granular texture
	mud-size particles
	distinct planar stratification
	diffuse planar stratification
	cross bedding
	micro-cross lamination
e.g.	
	pumice clasts in sand matrix
	angular polymict lithic clasts and mudstone intraclasts in sand matrix

## SYMBOLS FOR JUVENILE-CLAST-RICH DEPOSITS

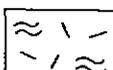
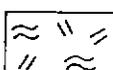
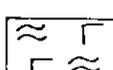
	jigsaw-fit texture of fine, moderately porphyritic rhyolite		pumice-clast-rich deposit, coarse, moderately porphyritic rhyolitic composition
	jigsaw-fit texture of coarse, moderately porphyritic rhyolite		pumice-clast-rich deposit, coarse, phenocryst-rich rhyolitic composition
	jigsaw-fit texture of coarse phenocryst-rich andesite		pumice-clast-rich deposit, coarse, moderately porphyritic dacitic composition

Fig. 9—Recommended composition and texture symbols for graphic logging of volcanic deposits.

(From: McPhie, Doyle and Allen. CODES 1993)

**TYPE**

- U - Volcanic (general)
- V - Volcaniclastic
- E - Epiclastic
- L - Lava
- I - Intrusive
- P - Porphyry

**COMPOSITION**

- R - Rhyolite
- Y - Rhyodacite
- D - Dacite
- A - Andesite
- B - Basaltic
- F - Felsic
- M - Mafic
- U - Ultramafic

**CRYSTAL TYPE**

- X - Crystal rich
- A - Aphyric
- F - Feldspar phyric
- < - Feldspar - quartz phyric
- > - Quartz - feldspar phyric
- Q - Quartz phyric
- H - Hornblende phyric
- P - Pyroxene phyric
- B - Biotite phyric
- V - Vitric/glassy
- L - Lithic rich

**GRAINSIZE**

- B - Breccia
- C - Coarse
- M - Medium (Sandy)
- F - Fine (Silty)
- V - Very fine (Shaley)
- A - Ashy
- / - Undifferentiated

**ALTERATION**

P - Pyrite	N - Scale
\$ - Mineralised	
Q - Quartz	1 - Very Weak
O - Chlorite	3 - Weak
C - Carbonate	5 - Moderate
H - Hematite	7 - Strong
S - Sericite	9 - Intense
K - K feldspar	
A - Albite	
E - Epidote	
F - Fuchsite	
M - Magnetite	



## **APPENDIX 2**

**Summary of previous drill holes in the Gowrie Park area..**

7GPC1

GOLD FIELDS EXPLORATION PTY. LIMITED  
DRILL CORE RECORD

HOLE NO.:  
STATE :

DLV. PRESS

PROJECT	EL 7173	PURPOSE To test on IP Anomaly
DESIGNED BY	CRA	
LOGGED BY		
COMMENCED		
COMPLETED		

LOG SUMMARY	0-13.2 LR> : 13.2-17.1 IR>C (6mm.ik) : 17.1-60.6 LR> : 60.6-60.7 FALT : 60.7-81.1 IR>C (6mm.ik) : 81.1-91.7 LR> : 91.7-107.1 VR>M : EOH
GENERAL COMMENTS	* REFERENCE :- PURVIS 1978 TCR 78-1253

## ASSAY SUMMARY

INTERVAL		From	To	Pb	Zn	Cu	Ag	Mn							COMMENTS	
From	To															
26.1	29.1	3.0m		6370	260	43	4									Au results tabulated in TCR BS-2330 - incomplete sampling. Range 30-1100 ppb Au but generally < D.L.
32.7	35.5	2.8m		1.08%	850	27	3.5									
82.8	83.5	0.7m		1.35%	1.0%	220	16									
89.0	90.3	1.3m		6600	2200	10	5									

## LOCATION

NORTHING	5406830
EASTING	433600
R.L.	
GRID	1700E 1635S
LENGTH	107.1

## HOLE CONDITION

SIZE	
Hole Size	Depth
HQ	0-3
NQ	3-37.5
BQ	37.5-

## SIGNIFICANT CORE LOSS INTERVALS

From	To	% Lost

## POOR GROUND CONDITION ZONES

From	To	Condition

## HOLE CONDITIONS AFTER COMPLETION


## SURVEY DATA (Note: Bearing type must be same as Project Grid Type)

SURVEY			INTERVAL			VERTICAL			HORIZONTAL			SURVEY			INTERVAL			VERTICAL			HORIZONTAL		
Depth	Bearing	Dip	From	To	Distance	D. Sin. Dip	R.L.	D. Cos. Dip	Prog. Total	Depth	Bearing	Dip	From	To	Distance	D. Sin. Dip	R.L.	D. Cos. Dip	Prog. Total				
0	180	45								0	180	45											
20		43								30		43											
40		41								60		39											
60		38								90		33											
80		34								* from original log													
101.7																							
* Measured from plan																							

724033



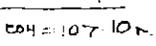
# RGC EXPLORATION PTY LTD

DRILL HOLE No 776PC 1

SHEET 2 OF 2

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

PROJECT :
PROSPECT :
DATE :
LOGGED BY :

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG						ALTERATION			GEOLOGY NOTES	SUMMARY			
				1 16	1 4	1 1	4 4	16 32	SIL.	SER.	PY.	ROCK		ALTERATION			
10																10m	
REMARKS																	
724035																	

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE RECORD**

76PC2  
 HOLE NO.:  
 STATE :

ULV. 3888

PROJECT	EL 773	PURPOSE
DESIGNED BY	CRA	Sited to test geochem anom (3450 ppm Pb soils + 3.5% Pb rocks) + moderate IP anomaly.
LOGGED BY		
COMMENCED	22.12.77	
COMPLETED	13.1.78	

LOG SUMMARY	0-61 CORE: 41-878 LRL: 878-11275 VRCM: FOH
GENERAL COMMENTS	* REFERENCE: - PURVIS 1978 TCR 78-1253

**ASSAY SUMMARY**

INTERVAL		From	To	Pb	Zn	Cu	Ag	Mn						COMMENTS
From	To													
61.90	77.70	15.8m		7034	2101	45	5							Au results tabulated in TCR 85-2330
61.90	65.90	4.0m		1.01%	1672	69	5							- sampling incomplete. Range 40-170 ppb but generally < D.L.
71.70	77.70	6.0m		8865	3738	44	9							

**LOCATION**

NORTHING	540850
EASTING	433875
R.L.	
GRID	1600E 1645S
LENGTH	112-75

**HOLE CONDITION**

SIZE	
Hole Size	Depth
HQ	0-6.1
NQ	6.1-11.7
BQ	11.7-

**SIGNIFICANT CORE LOSS INTERVALS**

From	To	% Lost

**POOR GROUND CONDITION ZONES**

From	To	Condition

**HOLE CONDITIONS AFTER COMPLETION**

Casing left 9m NQ
-------------------

**SURVEY DATA** (Note: Bearing type must be same as Project Grid Type)

SURVEY			INTERVAL			VERTICAL		HORIZONTAL		SURVEY			INTERVAL			VERTICAL		HORIZONTAL	
Depth	Bearing	Dip	From	To	Distance	D. Sin Dip	R.L.	D. Cos Dip	Prog. Total	Depth	Bearing	Dip	From	To	Distance	D. Sin Dip	R.L.	D. Cos Dip	Prog. Total
0	180	45								0	180	45							
10		42								30		38.5							
20		39								60		33.5							
40		36								90		24.5							
60		31																	
80		25																	
112-75																			
* Measured from plan										* from original log									

724036

# RGC EXPLORATION PTY LTD

DRILL HOLE No 776PC2

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- \* Visible gold

SHEET 1 OF 2

PROJECT :	Gowrie Park EL32/94
PROSPECT :	Gowrie Park
DATE :	
LOGGED BY :	M VICARY 1994

HOLE DEPTH	SAMPLE NO PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION				GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	BY.	CH.		ROCK	ALTERATION
10		Pb Zn		1 1 1 4 16 32					0-4.1m Owen derived screen		
11.7				1 1 1 4 16 32					4.1-87.8m Qtz-kaldispar phytic chyalite lherc kaldispar commonly replaced by green sericite		
20				1 1 1 4 16 32							
30				1 1 1 4 16 32							
40				1 1 1 4 16 32							
50				1 1 1 4 16 32							
60	61.9			1 1 1 4 16 32					← Galena stockwork		
70	* 7034	2101 ppm		1 1 1 4 16 32							
80	777			1 1 1 4 16 32							
90				1 1 1 4 16 32							
100				1 1 1 4 16 32					87.8m - top Mg+ feld-qtz phytic micaceous sandstones - becomes sil after 102m.		
REMARKS * 61.90-65.90 = 4m @ 1.01% Pb, 1672 ppm Zn											
724037											

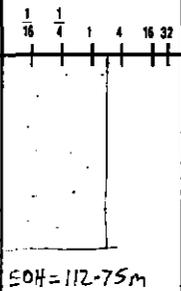
# RGC EXPLORATION PTY LTD

DRILL HOLE No 776PC2

SHEET 2 OF 2

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

PROJECT : <u>GOWRIE PARK EL321A</u>
PROSPECT : <u>GOWRIE PARK</u>
DATE : _____
LOGGED BY : <u>M VICARY 1994</u>

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION			GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PY.		ROCK	ALTERATION
110				 E04=112.75m					VR-LM	

REMARKS

724038



# RGC EXPLORATION PTY LTD

DRILL HOLE No 786PC3

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚠ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

SHEET 1 OF 1

PROJECT : <u>GOWRIE PARK EL32/94</u>
PROSPECT : <u>GOWRIE PARK</u>
DATE : _____
LOGGED BY : <u>M VICARY (1994)</u>

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY	
							ROCK	ALTERATION
40				1/16 1/4 1 4 16 32		0-4.6 M-C gr with rich vlc sst (q-f)	IR/M	
46				1/16 1/4 1 4 16 32		46-16.4 QF Porphyry Upper lower chilled Margins	IR/P	
10				1/16 1/4 1 4 16 32		16.4-36.4 M-C gr equigranular Granite.	IR/T	
20				1/16 1/4 1 4 16 32		sid-grt Qtz-gnl-(sph) stockwork 34.0-46.0m	IR/T	
80				1/16 1/4 1 4 16 32	SIL. SER. PY. (S)	36.4-55.6 Qtz-feldspar phytic rhyolite lower ? vlc sst ?	IR/T	
30				1/16 1/4 1 4 16 32		55.6-94.1 Qtz-feldspar phytic rhyolite lava.	IR/T	
40				1/16 1/4 1 4 16 32			IR/T	
50				1/16 1/4 1 4 16 32			IR/T	
60				1/16 1/4 1 4 16 32			IR/T	
70				1/16 1/4 1 4 16 32			IR/T	
80				1/16 1/4 1 4 16 32			IR/T	
90				1/16 1/4 1 4 16 32			IR/T	
100				1/16 1/4 1 4 16 32			IR/T	

REMARKS

724040

# RGC EXPLORATION PTY LTD

DRILL HOLE No GPC 3

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- △ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- \* Visible gold

SHEET 1 OF 2

PROJECT :	GOURIE PARK EL 32/94
PROSPECT :	GOURIE PARK
DATE :	8/9/94
LOGGED BY :	SWH

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION					GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PY.	CAL.	ROCK		ALTERATION	
2				1 16						0-4.6 coarse, very x'tal rich volcanic sst. abundant qtz + felds. x'tals		
4				1 4						felds altered to green sericite		
6				1 4						4.6 - 5.7 qtz-felds porphyry small phenos.		
8				1 4						5.7 - 12.5 porphyry with large + abundant qtz and sericitized feldspar phenos.		
10				1 4								
12				1 4								
14				1 4						12.5 - 13.3 bx at contact.		
16				1 4						13.3 - 16.4 qtz feldspar porphyry		
18				1 4						16.4 - 36.4		
20				1 4						very distinctive ultra x'tal rock		
22				1 4						very coarse qtz-feldspar rock almost a granitic texture		
24				1 4						distinctive bright green sericite replacing the feldspar.		
26				1 4						massive		
28				1 4						volcaniclastic or intrusive?		
30				1 4								
32				1 4								
34				1 4						32-44m <del>veins</del> veins		
36				1 4						sparse stockwork		
38				1 4						36.4 - 55.4		

REMARKS

724041

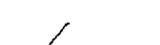
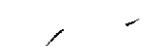
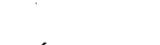
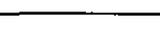
# RGC EXPLORATION PTY LTD

DRILL HOLE No GPC 3

SHEET 2 OF 2

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

PROJECT :	60WIE PARK EL 32/94
PROSPECT :	60WIE PARK
DATE :	8/9/94
LOGGED BY :	SWH

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION					GEOLOGY NOTES	SUMMARY	
					SIL	SER.	PY.	SAI	ROCK		ALTERATION	
42										rhyolite lava.		
44										this lava has smaller but more abundant phenos than the next one		
46										it has a higher proportion of Qtz (cf feldspar).		LRQF
48										the next lava has conspicuous green sericitized feldspar phenos.		
50												
52												
54												
56										SS-6 - 94.1 (LOH)		
58												
60												
62												
64												
66												
68												LRQF
70												
72												
74												
76												
78												

REMARKS	724042
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84GPC4

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE RECORD**

HOLE NO: \_\_\_\_\_  
 STATE: \_\_\_\_\_

ULV. PRESS

PROJECT	bowtie Proj	PURPOSE
DESIGNED BY	CRA	To test UTEM Anomaly
LOGGED BY		
COMMENCED	July 1984	
COMPLETED	July 1984	

LOG SUMMARY	Core not logged.
GENERAL COMMENTS	* REFERENCE: TEMBY 1985 TUR 85-2330

**ASSAY SUMMARY**

INTERVAL		Cu	Pb	Zn	Ag	Au	COMMENTS	
From	To							
74.5	76	1.5m	20	125	1100	2	<3	
76.0	78	2.0m	20	370	1100	2	<3	Hole assayed 74.5-84 m only.
78.0	80	2.0m	120	105	840	2	<3	
80.0	82	2.0m	35	170	800	2	<3	
82.0	84	2.0m	60	90	720	2	<3	

**LOCATION**

NORTHING	5407715
EASTING	433855
R.L.	
GRID	4825E 4510N
LENGTH	84

**HOLE CONDITION**

SIZE	
Hole Size	Depth
TRISONG	0-74.5
BQ	74.5-84

SIGNIFICANT CORE LOSS INTERVALS		
From	To	% Lost

POOR GROUND CONDITION ZONES		
From	To	Condition

HOLE CONDITIONS AFTER COMPLETION
DHEM survey performed

\* 0-74.5 Percussion  
 74.5-84.0 Diamond

**SURVEY DATA** (Note: Bearing type must be same as Project Grid Type)

SURVEY			INTERVAL			VERTICAL		HORIZONTAL		SURVEY			INTERVAL			VERTICAL		HORIZONTAL	
Depth	Bearing	Dip	From	To	Distance	D. Sin. Dip	R.L.	D. Cos. Dip	Prog. Total	Depth	Bearing	Dip	From	To	Distance	D. Sin. Dip	R.L.	D. Cos. Dip	Prog. Total
0	360**	64																	
84																			
* Measured from plan																			
NB report indicates this dip shld be 60°																			
** end north (?)																			

124043



# RGC EXPLORATION PTY LTD

DRILL HOLE No DD85 G-PS

SHEET 1 OF 1

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

PROJECT	: bowrie Park EL 32/94
PROSPECT	: bowrie Park
DATE	:
LOGGED BY	: M VILARY 1994

HOLE DEPTH	SAMPLE NO PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG						ALTERATION			GEOLOGY NOTES	SUMMARY	
				1/8"	1/4"	1"	4"	16"	32"	SIL.	SER.	PY.		ROCK	ALTERATION
0-41.7m				+									0-41.7m m-coar equigranular granite		
10				+											
20				+											
30				+											
40				+											
41.7-71.25				/									41.7-71.25 Qtz-feldspar phytic rhyolite lava with minor gylena in rhyolite stockwork.		IR7C
50				/											
60				/											
70				/											
71.25-88.40				+									71.25-88.40 mgc st rock granite or alkalic sst?		IR7E
80				+											
90				/									~88.40-96.5m Qtz-feld phytic rhyolite lava		IR7E

REMARKS

724045

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE RECORD**

H80 MR 1  
 HOLE NO.:  
 STATE :

ULV PRESS

PROJECT	Gowrie Park	PURPOSE
DESIGNED BY	CRA	To Test IP anomaly
LOGGED BY		
COMMENCED	22.7.80	
COMPLETED	31.7.80	

LOG SUMMARY	0-15.25 SCRIP : 15.25-21.2 LA--: 21.2-21.8 FACT: 24.8-165 LDF-: 145-229.5 LDFB: EOH
GENERAL COMMENTS	Weber 1983 TCR 83-2010

**ASSAY SUMMARY**

INTERVAL		Pb	Zn	Cu	Ag	Au	Sn	W				COMMENTS
From	To											
												Hole was incompletely assayed at 110 to 2.0 m intervals Values up to 630 ppm Pb, 200 ppm Zn + 475 ppm Cu reported.

**LOCATION**

NORTHING	5409690
EASTING	436920
R.L.	
GRID	506N 1200E
LENGTH	229.5

**HOLE CONDITION**

SIZE	
Hole Size	Depth
Nφ	0-53.5
Bφ	53.5-

SIGNIFICANT CORE LOSS INTERVALS		
From	To	% Lost

POOR GROUND CONDITION ZONES		
From	To	Condition

HOLE CONDITIONS AFTER COMPLETION
Casing left 48m Nφ

**SURVEY DATA** (Note: Bearing type must be same as Project Grid Type)

SURVEY			INTERVAL			VERTICAL			HORIZONTAL			SURVEY			INTERVAL			VERTICAL			HORIZONTAL		
Depth	Bearing	Dip	From	To	Distance	D.Sin.Dip	R.L.	D.Cos.Dip	Prog.Total	Depth	Bearing	Dip	From	To	Distance	D.Sin.Dip	R.L.	D.Cos.Dip	Prog.Total				
0	030	62																					
64	099?	57° 40'																					
124	093?	47° 15'																					
151	036	41																					
181	036	36° 15'																					
208	080?	32° 40'																					
229	038	27° 10'																					
229.5																							

724046

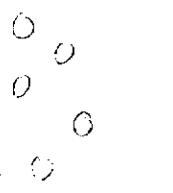
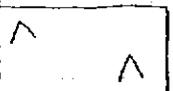
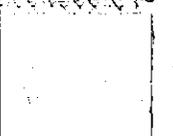
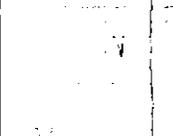
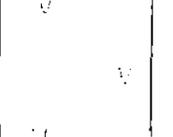
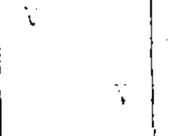
# RGC EXPLORATION PTY LTD

DRILL HOLE No MR1

SHEET 1 OF 3

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

PROJECT :	Gowrie Park EL 32/94
PROSPECT :	GOWRIE PARK
DATE :	
LOGGED BY :	M. VICARY (1994)

HOLE DEPTH	SAMPLE NO PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION			GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PY.		ROCK	ALTERATION
0								0-15.25 Over long screen.		Qts
15								15.25-21.2 cyanophane - sparsely porphyritic andesitic lava		LA
21								21.2-24.8 broken zone (fault?)		FALT
24								24.8 - 26.5 Predominantly Med gr. K-feldspar-plagioclase andesite (massive) with minor breccia horizons (brecciated andesite). felds 1-2mm strong elongation + commonly		
26										
40										
60										
80										
100										
100										

REMARKS

724047

# RGC EXPLORATION PTY LTD

DRILL HOLE No MR1  
 SHEET 2 OF 3

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

PROJECT : BOWRIE PARK E232/94  
 PROSPECT : BOWRIE PARK  
 DATE : \_\_\_\_\_  
 LOGGED BY : M VICARY (1994)

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION			GEOLOGY NOTES	SUMMARY	
					SIL	SER	PH		ROCK	ALTERATION
110				V						
120				V						
130				V						
140				V						
150				V						
160				V						
170				V				165 - EQ kalsapor phreatic ductile breccias with minor ductile layer.		LOF-
180				V						
190				V						
200				V						
REMARKS										
724048										



## APPENDIX 3

**Summary of previous drill holes in the Cethana area..**

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE RECORD**

77CC1  
 HOLE NO: \_\_\_\_\_  
 STATE : \_\_\_\_\_

ULV. PRESS

PROJECT	CETANA	PURPOSE To test Pb-Zn soil anomaly
DESIGNED BY	ERA	
LOGGED BY		
COMMENCED	28-1-77	
COMPLETED	2-2-77	

LOG SUMMARY	Not Relogged
GENERAL COMMENTS	REFERENCE: Purvis 1979 TCR 77-1231

**ASSAY SUMMARY**

INTERVAL		From	To	Interval	Pb	Zn	Cu	Ag	Mn	Comments
From	To									
20.6	22.6	2.0m	0.37%	0.29%						
78.6	79.0	0.4m	0.21%	8.2%						
94.1	95.8	1.7m	0.24%	0.99%						
98.0	100.6	2.6m	0.91%	0.92%						
										Av results given in TCR 85-2333

**LOCATION**

NORTHING	5408360
EASTING	428650
R.L.	
GRID	
LENGTH	106.4

**HOLE CONDITION**

SIZE	
Hole Size	Depth
NQ	3-51.3
BQ	51.3-

**SIGNIFICANT CORE LOSS INTERVALS**

From	To	% Lost

**POOR GROUND CONDITION ZONES**

From	To	Condition

**HOLE CONDITIONS AFTER COMPLETION**

Hole blocked no  
DHSM

**SURVEY DATA** (Note: Bearing type must be same as Project Grid Type)

SURVEY			INTERVAL			VERTICAL			HORIZONTAL			SURVEY			INTERVAL			VERTICAL			HORIZONTAL		
Depth	Bearing	Dip	From	To	Distance	D Sin Dip	R.L.	D Cos Dip	Prog. Total	Depth	Bearing	Dip	From	To	Distance	D Sin Dip	R.L.	D Cos Dip	Prog. Total				
0	045	55																					
10		54.5																					
20		58																					
70		50																					
85		47																					
90		43																					
106.4																							
* Measured from																							
	Plan																						

GOLD FIELDS EXPLORATION PTY. LIMITED  
DRILL CORE RECORD

CCZ  
HOLE NO.:  
STATE:

ULV. PRESS

PROJECT	LOTHANA	PURPOSE to test Pb-Zn soil anomaly
DESIGNED BY	CRA	
LOGGED BY		
COMMENCED	4-2-77	
COMPLETED	9-2-77	

LOG SUMMARY	Not relogged
GENERAL COMMENTS	Reference:- Purvis 1977a TCR 77-1231

ASSAY SUMMARY

INTERVAL		From	To	Pb	Zn	Cu	Ag	Mn							COMMENTS
From	To														
12.5	23.0	10.5m	0.071	0.121											
38	40	2m	0.041	0.21											
45	47	2m	0.11	0.331											
															As results given in TCR 85-2333

LOCATION

NORTHING	5408145
EASTING	428800
R.L.	
GRID	
LENGTH	164.10

HOLE CONDITION

SIZE	
Hole Size	Depth
3.5-59.5	NΦ
59.5-	BQ

SIGNIFICANT CORE LOSS INTERVALS		
From	To	% Lost

POOR GROUND CONDITION ZONES		
From	To	Condition

HOLE CONDITIONS AFTER COMPLETION
DHEM (see 81-1616)

SURVEY DATA (Note: Bearing type must be same as Project Grid Type)

SURVEY			INTERVAL			VERTICAL		HORIZONTAL		SURVEY			INTERVAL			VERTICAL		HORIZONTAL		
Depth	Bearing	Dip	From	To	Distance	D. Sin Dip	R.L.	D. Cos Dip	Prog. Total	Depth	Bearing	Dip	From	To	Distance	D. Sin Dip	R.L.	D. Cos Dip	Prog. Total	
0	210	61																		
15		58																		
45		54																		
75		48																		
100		45																		
132		39																		
164.1																				
* Measured from Plan																				

724052

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE RECORD**

77CC3  
 HOLE NO.:  
 STATE :

ULV. PRESS

PROJECT	CETHANA	PURPOSE
DESIGNED BY	CRA	to test Pb-Zn Soil Anomaly
LOGGED BY		
COMMENCED		
COMPLETED		

LOG SUMMARY	Not Relogged
GENERAL COMMENTS	REFERENCES: Purvis 1977a TCR 77-1231

**ASSAY SUMMARY**

INTERVAL		Pb	Zn	Cu	Ag	Mn	COMMENTS									
From	To															
38.4	39.2	0.07%	0.67%													
81.7	87.4	0.05%	0.25%													
122.8	124.2	0.22%	0.21%													
146.9	146.8	0.28%	0.23%													
							Au results given in TCR 85-2333									

**LOCATION**

NORTHING	5408010
EASTING	429125
R.L.	
GRID	
LENGTH	190 D

**HOLE CONDITION**

SIZE	
Hole Size	Depth

**SIGNIFICANT CORE LOSS INTERVALS**

From	To	% Lost

**POOR GROUND CONDITION ZONES**

From	To	Condition

**HOLE CONDITIONS AFTER COMPLETION**

DHSM (see 81-1616)

**SURVEY DATA** (Note: Bearing type must be same as Project Grid Type)

SURVEY			INTERVAL			VERTICAL		HORIZONTAL		SURVEY			INTERVAL			VERTICAL		HORIZONTAL	
Depth	Bearing	Dip	From	To	Distance	D.Sin.Dip	R.L.	D.Cos.Dip	Prog.Total	Depth	Bearing	Dip	From	To	Distance	D.Sin.Dip	R.L.	D.Cos.Dip	Prog.Total
0	208	60																	
10		56																	
50		54																	
65		52																	
80		49																	
100		46																	
125		41																	
135		38																	
150		35																	
165		32.5																	
175		29																	
190																			

\* Measured from Plan.

724053

GOLD FIELDS EXPLORATION PTY. LIMITED  
DRILL CORE RECORD

77CC4  
HOLE NO.:  
STATE :

ULV. PRESS

PROJECT	CETHANA	PURPOSE to test coincident IP+ geochem anomaly
DESIGNED BY	CRA	
LOGGED BY		
COMMENCED	6-6-77	
COMPLETED	12-6-77	

LOG SUMMARY	0-3.0 SCS 3.0-14.0 VR-2:14.0-64.6 LR>:64.6-109.7 VRCM:604
GENERAL COMMENTS	Reference Purvis 1977b TCR 77-1235 see also Plan Tc52 TCR 79-1390

ASSAY SUMMARY

INTERVAL		Pb	Zn	Cu	Ag	Mn	COMMENTS										
From	To																
							Intersected relatively intense pyrite alteration but low base metal values reported: Max Cu 21 ppm Pb 180 ppm Zn 350 ppm Au results given in TCR 85-2333										

LOCATION

NORTHING	5407075
EASTING	430890
R.L.	
GRID	
LENGTH	149.7

HOLE CONDITION

SIZE	
Hole Size	Depth
NØ	0-64.6
RØ	64.6-

SIGNIFICANT CORE LOSS INTERVALS		
From	To	% Lost

POOR GROUND CONDITION ZONES		
From	To	Condition

HOLE CONDITIONS AFTER COMPLETION
DHEM see 81-1616

SURVEY DATA (Note: Bearing type must be same as Project Grid Type)

SURVEY			INTERVAL			VERTICAL		HORIZONTAL		SURVEY			INTERVAL			VERTICAL		HORIZONTAL		
Depth	Bearing	Dip	From	To	Distance	D. Sin Dip	R.L.	D. Cos Dip	Prog Total	Depth	Bearing	Dip	From	To	Distance	D. Sin Dip	R.L.	D. Cos Dip	Prog Total	
0	180	58																		
50		57																		
70		56																		
80		53																		
100		49																		
110		45																		
130		39																		
149.7																				
to Measured from Plan																				

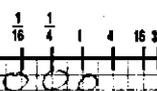
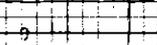
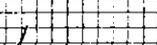
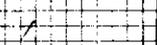
# RGC EXPLORATION PTY LTD

DRILL HOLE No 77 CCL4

SHEET 1 OF 2

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

PROJECT :	CETHANA
PROSPECT :	
DATE :	
LOGGED BY :	M VICARY 1994

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION				GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PY.	SO.		ROCK	ALTERATION
0									0-3.0m <i>scree</i>		
3.0									3.0-16.0 fine-grained broken Qtz - ser. volcanic  (Qtz phenocr not obviously as with next unit)		
16.0									4.0-6.6 Qtz - k'd phytic lava Qtz 2-3mm in diameter		
20.0											
30.0											
40.0											
50.0											
60.0											
70.0											
80.0											
90.0											
100.0											

REMARKS

724055



GOLD FIELDS EXPLORATION PTY. LIMITED  
DRILL CORE RECORD

77CC5  
HOLE NO.:  
STATE :

ULV. PRESS

PROJECT	Cethana	PURPOSE to test coincident IP+ geochemical anomalies.
DESIGNED BY	CRA	
LOGGED BY		
COMMENCED	13-4-77	
COMPLETED	17-6-77	

LOG SUMMARY	0-15 VRQM: 15-17.5 IDF: 17.5-37.8 VRQM: 37.8-38.9 Massive Sulphide! 38.9-58.2 VRQM: 58.2-66.6 UR-F: 66.6-70.8 VRQM: 70.8-72.6 IDF: 72.6-75.8 VRQM: 75.8-82.0 LRQ: 82.0-92.6 VRQM: 92.6-101 LRQ: 101-164.2 VR>X: 60A
GENERAL COMMENTS	Reference - Purvis 1977b TCR 77-1235 see also Plan TCS2 TCR 79-1390

ASSAY SUMMARY

INTERVAL		From	To	Pb	Zn	Cu	Ag	Mn	Au	COMMENTS
From	To									
37.8	38.9	1.1m		0.8%	3.88%	1.18%	189ppm		0.7ppm	
57	59.3	2.3m		0.95%	0.15%					
80	85	5m		0.11%	0.35%	0.07%				
										Au results given in TCR 85-2333

LOCATION

NORTHING	5407210
EASTING	430935
R.L.	
GRID	
LENGTH	164.2

HOLE CONDITION

SIZE	
Hole Size	Depth

SIGNIFICANT CORE LOSS INTERVALS

From	To	% Lost

POOR GROUND CONDITION ZONES

From	To	Condition

HOLE CONDITIONS AFTER COMPLETION

Hole blocked  
no DIFM

SURVEY DATA (Note: Bearing type must be same as Project Grid Type)

SURVEY			INTERVAL			VERTICAL		HORIZONTAL		SURVEY			INTERVAL			VERTICAL		HORIZONTAL		
Depth	Bearing	Dip	From	To	Distance	D. Sin. Dip	R.L.	D. Cos. Dip	Prog. Total	Depth	Bearing	Dip	From	To	Distance	D. Sin. Dip	R.L.	D. Cos. Dip	Prog. Total	
0	180	55																		
20		52																		
50		50																		
80		47																		
100		44																		
120		41																		
135		36																		
155		31																		
164.2																				
Measured from Plan																				

724057

# RGC EXPLORATION PTY LTD

DRILL HOLE No 77CC5

SHEET 1 OF 3

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ⋯ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- \* Visible gold

PROJECT :	Cethana
PROSPECT :	
DATE :	
LOGGED BY :	S Halley 1994

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION					GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PT.	CARB.	CHL.		ROCK	ALTERATION
2				1 16 4 4 1 1 4 4 16 16 32 32	SIL. SER.					0 - 15m quartz phytic volcanoclastic very sericitic strongly foliated  sparse pheno's	VRGM	
4			/ S <sub>1</sub>									
6												
8												
10			/ S <sub>1</sub>									
12												
14												
16				┌ ┌ ┌ └ └ └						15.0 - 17.5 dyke? far less altered than surrounding rocks chloritized pheno's	IDF	
18										17.5 - 24.0 qtz-phyric volcanoclastic	VRGM	
20												
22												
24				vein						24.0 - 25.2 qtz vein		
26										25.2 - 51.2		
28												
30												
32			/ S <sub>1</sub>									
34												
36												
38				CORE MISSING						MASSIVE SULPHIDE		

REMARKS 724058

# RGC EXPLORATION PTY LTD

DRILL HOLE No 77CC5

SHEET 2 OF 3

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- \* Visible gold

PROJECT :	Cethana
PROSPECT :	
DATE :	
LOGGED BY :	S Halley 1994

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION					GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PY.	CHL.	SPH.		ROCK	ALTERATION
42										qtz phyric volcaniclastic		
44												
46												
48												
50												
52				▤						51.2 - 51.8 siderite-filled BK		
54				▤						51.8 - 54.2 x'tal-rich sst with siltstone intraclasts		
56										54.2 - 56.6 siltstone		
58										* SAMPLE 56.6 - 58.0 volcaniclastic sparsely qtz phyric		
60										58.0 - 66.6 massive volcaniclastic siltstone		
62												
64												VR-F
66												
68												VR(F)M
70												
72												IDF
74												
76												
78												
REMARKS											724059	

# RGC EXPLORATION PTY LTD

DRILL HOLE No 77 005

SHEET 3 OF 3

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

PROJECT :	Cathana
PROSPECT :	
DATE :	
LOGGED BY :	S Halley 1994

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION					GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PY.	CAIRN	CHL		ROCK	ALTERATION
82				1 16								
84				1 4								
86				1 4								
88				1 4								
90				1 4								
92				1 4								
94				1 4								
96				1 4								
98				1 4								
100				1 4								
102				1 4								
104			/ S <sub>1</sub>	1 4								
106				1 4								
108				1 4								
110				1 4								
112			/ S <sub>1</sub>	1 4								
114				1 4								
116				1 4								

~101 - 116 →  
 extremely x'tal rich  
 qtz foldc phytic sandy  
 volcanoclastic

↓  
 EOH  
 = 164.2m

REMARKS	724000
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GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE RECORD**

77466  
 HOLE NO.:  
 STATE :

VLV. PRESS

PROJECT	Celthara	PURPOSE to test gradient array IP anomaly
DESIGNED BY	CRA	
LOGGED BY		
COMMENCED		
COMPLETED	16.12.77	

LOG SUMMARY	0-36.2 VRQM: 36.2-39.5 VLF: 39.5-64.8 VRAF: 64.8-85 URQM: 85-87.9 VRAF: 87.9-167.5 LRAF: 167.5-187.3 VRQM: 187.3-197 SLT: 197-200.5 VRQM: 60M
GENERAL COMMENTS	Reference: Purvis 1979b TCR 79-1402 see also TCR 79-1390?

**ASSAY SUMMARY**

INTERVAL		From	To	Pb	Zn	Cu	Ag	Mn							COMMENTS
From	To														
31	43	12m	3442	6308	142										
36.5	41	4.5m	3833	1197	227										
50.2	62.4	12.2m	5939	2412	137										
52.2	54.2	2.0m	9200	2800	110										
60.0	62.4	2.4m	9800	6500	310										
189.0	200.5	1.5m	743	2467	273										

**LOCATION**

NORTHING	540745
EASTING	430750
R.L.	
GRID	
LENGTH	200.5

**HOLE CONDITION**

SIZE	
Hole Size	Depth
NQ	0-57
BQ	57-

SIGNIFICANT CORE LOSS INTERVALS		
From	To	% Lost

POOR GROUND CONDITION ZONES		
From	To	Condition

HOLE CONDITIONS AFTER COMPLETION

**SURVEY DATA** (Note: Bearing type must be same as Project Grid Type)

SURVEY			INTERVAL			VERTICAL		HORIZONTAL		SURVEY			INTERVAL			VERTICAL		HORIZONTAL	
Depth	Bearing	Dip	From	To	Distance	D.Sin.Dip	R.L.	D.Cos.Dip	Prog.Total	Depth	Bearing	Dip	From	To	Distance	D.Sin.Dip	R.L.	D.Cos.Dip	Prog.Total
0	180	55																	
30		53																	
60		46																	
80		44																	
100		39																	
120		33																	
150		25																	
175		19																	
200.5																			

724001

# RGC EXPLORATION PTY LTD

DRILL HOLE No 77006

SHEET 1 OF 10

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

PROJECT :	Cethana
PROSPECT :	
DATE :	
LOGGED BY :	S Halley 1994

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG							ALTERATION			GEOLOGY NOTES	SUMMARY		
				1/16	1/4	1	4	16	32	SIL.	SER.	PT.	ROCK		ALTERATION		
2															0 - 2.5 TRICONE		
4															2.5 - 34.2 qtz-phyrlic volcanoclastic, much like the Eyt at Garfield. moderately sericitic moderately foliated. qtz phen's to 3mm 5-10% phen's f.g. sericitic g/mass		
6			/S <sub>1</sub>														
8																	
10																	
12			/S <sub>1</sub>														VRQM
14																	
16			/S <sub>1</sub>														
18																	
REMARKS														724062			

# RGC EXPLORATION PTY LTD

DRILL HOLE No 77CC6

SHEET 2 OF 10

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▣ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

PROJECT :	Cethana
PROSPECT :	
DATE :	
LOGGED BY :	S Halley 1994

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION			GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PY.		ROCK	ALTERATION
22				1 16						
24			S <sub>1</sub>	1 16						
26				1 16						
28				1 16						
30			S <sub>1</sub>	1 16						
32				1 16						
34				1 16						
36			S <sub>1</sub>	1 16				34.2 - 39.5 dark grey siltstone, sericitized, with oxidizing sulphides	V--F	
38				1 16				39.5 - 64.8		
REMARKS										
724063										

# RGC EXPLORATION PTY LTD

DRILL HOLE No 77CC6

SHEET 3 OF 10

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

PROJECT :	<i>Cethana</i>
PROSPECT :	
DATE :	
LOGGED BY :	<i>S Halley 1994</i>

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG						ALTERATION				GEOLOGY NOTES	SUMMARY	
				1/16	1/4	1	4	16	32	SIL.	SER.	PY.	CARB		ROCK	ALTERATION
41																
42																
44			<i>S<sub>1</sub></i>													
46																
48																
50			<i>S<sub>1</sub></i>													
52																
54																
56																
58																

*buff coloured siltstone,  
massive, poorly bedded  
moderately sericitic  
traces of base metal  
sulphides*

VRAF

REMARKS	724064

# RGC EXPLORATION PTY LTD

DRILL HOLE No 77cc6

SHEET 4 OF 10

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↖ Narrow vein
- \* Visible gold

PROJECT :	Cethana
PROSPECT :	
DATE :	
LOGGED BY :	S. Harlley 1994

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG		ALTERATION			GEOLOGY NOTES	SUMMARY	
				16	4	SIL.	SER.	PY.		CARB.	ROCK
62				16	4				sericitic zones are stained brown (Fe-sericite?)          diffuse contact		
64											
66											
68											
70											
72			S <sub>1</sub>								
74											
76			S <sub>1</sub>								
78											

REMARKS	724065
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# RGC EXPLORATION PTY LTD

DRILL HOLE No 77CC6

SHEET 5 OF 10

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

PROJECT :	Cathana
PROSPECT :	
DATE :	
LOGGED BY :	S Halley 1994

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION				GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PY.	CARB.		ROCK	ALTERATION
82				1 16							
84				1 4							
86				1 4 16 32					85-87.9 buff coloured massive siltstone	VRAF	
88									87.9 - 167.5 massive rhyolite lava variably altered. qtz + feldspar, phytic 5-10% phenos f.g. pale g/mass feldspar phenos altered to sericite or siderite.		
90			S <sub>1</sub>								
92											
94			S <sub>1</sub>								
96											LRGF
98			S <sub>1</sub>						pale brownish colour.		

REMARKS

724000

# RGC EXPLORATION PTY LTD

DRILL HOLE No 77006

SHEET 6 OF 10

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

PROJECT :	<i>Cethana</i>
PROSPECT :	
DATE :	
LOGGED BY :	<i>S Halley 1994</i>

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG						ALTERATION			GEOLOGY NOTES	SUMMARY	
				1 16	1 4	1 4	1 4	16 32	SIL.	SER.	PY.	ROCK		ALTERATION	
102				/	/	/	/	/	/				massive lava		
104				/	/	/	/	/	/						
106				/	/	/	/	/	/						
108				/	/	/	/	/	/						
110				/	/	/	/	/	/						
112				/	/	/	/	/	/	/					
114				/	/	/	/	/	/	/					
116				/	/	/	/	/	/						
118				/	/	/	/	/	/						

REMARKS	724067
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# RGC EXPLORATION PTY LTD

DRILL HOLE No 77006

SHEET 7 OF 10

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

PROJECT :	Cethana
PROSPECT :	
DATE :	
LOGGED BY :	S Halley 1994

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION					GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PY.	CARB.	CHL		ROCK	ALTERATION
122				16 4 1 4 16 8								
124				16 4 1 4 16 8								
126				16 4 1 4 16 8				▩		med green colour siderite vein with galena		
128				16 4 1 4 16 8				▩				
130				16 4 1 4 16 8				▩				
132				16 4 1 4 16 8				▩				
134				16 4 1 4 16 8				▩		relatively fresh unaltered zone		
136				16 4 1 4 16 8				▩		bleached zone siderite replacing foldspar pheno's		
138				16 4 1 4 16 8				▩				

REMARKS	724068

# RGC EXPLORATION PTY LTD

DRILL HOLE No 77cc6

SHEET 8 OF 10

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

PROJECT :	Cathana
PROSPECT :	
DATE :	
LOGGED BY :	S Halley 1994

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG						ALTERATION	GEOLOGY NOTES	SUMMARY	
				1 16	1 4	1 1	4 16	16 32	SIL.			SER.	PY.
142											very fresh		
144													
146													
148													
150			S <sub>1</sub>										
152													
154			S <sub>1</sub>										
156													
158			S <sub>1</sub>										

REMARKS 724069

# RGC EXPLORATION PTY LTD

DRILL HOLE No 77CC6

SHEET 9 OF 10

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

PROJECT :	Cethana
PROSPECT :	
DATE :	
LOGGED BY :	S Hallay 1994

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION			GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PHY.		ROCK	ALTERATION
161				1 16						
162				1 4						
164				1 16						
166				1 16						
168				1 16						
170				1 16				167.5-187.3		
172				1 16				sandstone with irregular breccia clasts, mostly of the same material but with some vein qtz clasts + some cherty volcanic clasts.		
174				1 16				some of the interval is qtz phytic but mostly aphyric.		
176				1 16						
178				1 16						
<b>REMARKS</b>									724070	

# RGC EXPLORATION PTY LTD

DRILL HOLE No 77006

SHEET 10 OF 10

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

PROJECT :	Cethana
PROSPECT :	
DATE :	
LOGGED BY :	S Halley 1994

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION			GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PT.		ROCK	ALTERATION
182				1 16						
184				1 4						
186				1 4						
188				16 32				187-3 - 197 massive poorly bedded siltstone		
190										
192										
194			S <sub>0</sub>							
196										
198								197 - 200-5 (E0H) sandstone.		

REMARKS	724071

GOLD FIELDS EXPLORATION PTY. LIMITED  
DRILL CORE RECORD

77007  
HOLE NO.:  
STATE :

MLV. PRESS

PROJECT	Cathina	PURPOSE to test gradient array IP anomaly
DESIGNED BY	CRA	
LOGGED BY		
COMMENCED	17-12-77	
COMPLETED	11-1-78	

LOG SUMMARY	Not relogged. Reference: Purvis 1976 TCR 79-1402 see also TCR 79-1390?
GENERAL COMMENTS	

ASSAY SUMMARY

INTERVAL		Interval	Pb	Zn	Cu	Ag	Mn	Comments
From	To							
62.2	62.8	0.6m	1400	4550	90			
68.5	86	17.5m	693	2453	72			
109.3	112.5	3.2m	1694	2009	149			
								Av results given in TCR 85-2333

LOCATION

NORTHING	5607040
EASTING	430680
R.L.	
GRID	
LENGTH	137.4

HOLE CONDITION

SIZE	
Hole Size	Depth
H0	0-5.7
N0	5.7-54
B0	54-

SIGNIFICANT CORE LOSS INTERVALS		
From	To	% Lost

POOR GROUND CONDITION ZONES		
From	To	Condition

HOLE CONDITIONS AFTER COMPLETION

SURVEY DATA (Note: Bearing type must be same as Project Grid Type)

SURVEY			INTERVAL			VERTICAL		HORIZONTAL		SURVEY			INTERVAL			VERTICAL		HORIZONTAL	
Depth	Bearing	Dip	From	To	Distance	D.Sin.Dip	R.L.	D.Cos.Dip	Prog.Total	Depth	Bearing	Dip	From	To	Distance	D.Sin.Dip	R.L.	D.Cos.Dip	Prog.Total
0	180	50																	
25		45																	
50		41.5																	
75		38																	
100		33																	
125		29																	
137.4																			

724072

77CC8  
 HOLE NO.:  
 STATE :

GOLD FIELDS EXPLORATION PTY. LIMITED  
 DRILL CORE RECORD

ULV. PAGE

PROJECT	Cathana	PURPOSE to test down dip extension of mineralization encountered in 77CC5.
DESIGNED BY	CRA	
LOGGED BY		
COMMENCED	15-1-78	
COMPLETED	29-1-78	

LOG SUMMARY	0-39.6 V--F: 29.4-45.6 LDF: 45.6-67 LRF: 67-157.6 11B VDF + VRQM.
GENERAL COMMENTS	Reference: Purvis 1979b TCR 79-1402 also see TCR 79-1390?

ASSAY SUMMARY

INTERVAL		From	To	Pb	Zn	Cu	Ag	Mn								COMMENTS
From	To															
32.0	32.75	0.75m	1500	5000	130	3										
54.0	57.0	3.0m	1150	3150	140	2										
95.0	105	10 m	1220	4120	180	2										
																As results given in TCR 85-2333

LOCATION

NORTHING	5407260
EASTING	430950
R.L.	
GRID	
LENGTH	157.6

HOLE CONDITION

SIZE	
Hole Size	Depth
HQ	0-2.95
NQ	2.95-8.5
BQ	8.5-

SIGNIFICANT CORE LOSS INTERVALS		
From	To	% Lost

POOR GROUND CONDITION ZONES		
From	To	Condition

HOLE CONDITIONS AFTER COMPLETION

SURVEY DATA (Note: Bearing type must be same as Project Grid Type)

SURVEY			INTERVAL			VERTICAL			HORIZONTAL			SURVEY			INTERVAL			VERTICAL			HORIZONTAL														
Depth	Bearing	Dip	From	To	Distance	D.Sin.Dip	R.L.	D.Cos.Dip	Prog.Total	Depth	Bearing	Dip	From	To	Distance	D.Sin.Dip	R.L.	D.Cos.Dip	Prog.Total	Depth	Bearing	Dip	From	To	Distance	D.Sin.Dip	R.L.	D.Cos.Dip	Prog.Total						
0	180	54																																	
30		50																																	
50		45																																	
85		41																																	
95		37																																	
115		32																																	
130		30																																	
140		26																																	
157.6																																			

724073

# RGC EXPLORATION PTY LTD

DRILL HOLE No CC8

SHEET 1 OF 2

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

PROJECT :	Cethana
PROSPECT :	
DATE :	
LOGGED BY :	M VILARU 1994

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION				GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PY.	CL.		ROCK	ALTERATION
0									0 - 39.6		
5									highly sericitic with siliceous F. gr. v/c. ssf		
10											
15											
20											
25											
30											
35									39.6 - 45.6		
40									old - (some quartz) granitic dacitic lava looks a bit like CVC		
45									45.6 - 67		
50									old - red granitic lava		
55											
60											
65											
70									67 - 70.5		
75									ashy siliceous Fault		
80									74 - 81.7		
85									Major QF siliceous		
90									81.7 - 83.5		
95									QF lava		
100									83.5 - 116 m - c. gr. QF siliceous		
									90.5 - 97		
									ashy siliceous		
									97 -		
									Major siliceous		
REMARKS											
724074											

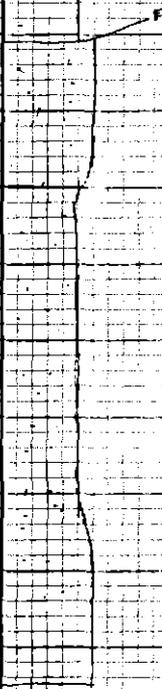
# RGC EXPLORATION PTY LTD

DRILL HOLE No CCB

SHEET 2 OF 2

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

PROJECT :	Cethana
PROSPECT :	
DATE :	
LOGGED BY :	M Vicary

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION			GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PT.		ROCK	ALTERATION
0				<div style="display: flex; justify-content: space-around; font-size: small;"> <span>1 1</span> <span>16 4</span> <span>1 4</span> <span>16 32</span> </div>						
10								<p>115-115.5 = Fault</p> <p>115.7 = MIBP</p> <p>M-C qtz of vlc st (qtz)</p> <p>had calc.</p> <p>M-F qtz assay of vlc st</p>		
120										
130										
140										
150										
160										
170										
180										
190										
200										
				Core = 147.60m						
REMARKS										
724075										







GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE RECORD**

DB6 CC17

HOLE NO.:  
 STATE :

ULV. FORM

PROJECT	Callhana	PURPOSE to test along strike extension of mineralisation encountered in PD86CC9. Collared about 1m away from DD86CC11
DESIGNED BY	CRA	
LOGGED BY		
COMMENCED	1-5-86	
COMPLETED	9-5-86	

LOG SUMMARY	Not relogged
GENERAL COMMENTS	Reference: Cathneser von Strakirch 1987 TCR 86-2531

**ASSAY SUMMARY**

INTERVAL		Cu	Pb	Zn	Ag	As	Fe	Mn	Ba	Au	COMMENTS						
From	To																
Max Values		640	1650	4100	7	0.04											

**LOCATION**

NORTHING	5408460
EASTING	628670
R.L.	
GRID	
LENGTH	190.0

**HOLE CONDITION**

SIZE	
Hole Size	Depth
0-45.5	Piccollor

**SIGNIFICANT CORE LOSS INTERVALS**

From	To	% Lost

**POOR GROUND CONDITION ZONES**

From	To	Condition

**HOLE CONDITIONS AFTER COMPLETION**

NO DIRM.  
 (powerline noise)

**SURVEY DATA** (Note: Bearing type must be same as Project Grid Type)

SURVEY			INTERVAL			VERTICAL			HORIZONTAL		SURVEY			INTERVAL			VERTICAL			HORIZONTAL	
Depth	Bearing	Dip	From	To	Distance	D Sin Dip	R.L.	D Cos Dip	Prog Total	Depth	Bearing	Dip	From	To	Distance	D Sin Dip	R.L.	D Cos Dip	Prog Total		
0	232	60																			
45.5		58																			
73.4		53																			
105.1		50																			
121.0		45																			
159.2		41																			
190.0																					

724079

GOLD FIELDS EXPLORATION PTY. LIMITED  
**DRILL CORE RECORD**

86 CC 13  
 HOLE NO.:  
 STATE :

ULV. PRESS

PROJECT	Celharra	PURPOSE
DESIGNED BY	CRM	
LOGGED BY		
COMMENCED	13-5-86	
COMPLETED	23-5-86	

LOG SUMMARY	Not relogged
GENERAL COMMENTS	

**ASSAY SUMMARY**

INTERVAL												COMMENTS
From	To											
												Assays upto 3800G generally < 50
												6500 Pb
												4700 Zn
												6 Ag
												0.08 Au

**LOCATION**

NORTHING	5408275
EASTING	428700
R.L.	
GRID	
LENGTH	229.5

**HOLE CONDITION**

SIZE	
Hole Size	Depth
0-9	Pre-collar

**SIGNIFICANT CORE LOSS INTERVALS**

From	To	% Lost

**POOR GROUND CONDITION ZONES**

From	To	Condition

**HOLE CONDITIONS AFTER COMPLETION**

No DHEM. (powerline noise)
-------------------------------

**SURVEY DATA** (Note: Bearing type must be same as Project Grid Type)

SURVEY			INTERVAL			VERTICAL			HORIZONTAL			SURVEY			INTERVAL			VERTICAL			HORIZONTAL		
Depth	Bearing	Dip	From	To	Distance	D. Sin. Dip	R.L.	D. Coa. Dip	Prog. Total	Depth	Bearing	Dip	From	To	Distance	D. Sin. Dip	R.L.	D. Coa. Dip	Prog. Total				
0	232	55																					
139.7		51																					
201		47																					
229.5																							

724080

## APPENDIX 4

**Gowrie Park soil and rock chip geochemistry..**

GOWRIE PARK SOIL AND ROCK CHIP SAMPLES JAN 1995 - JAN 1996																				
SAMPLE	TEAST	TNORTH	TYPE	CU_A	PB_A	ZN_A	MN_A	TI_X	AU_N	AG_N	AS_N	BA_N	BR_N	CE_N	CO_N	CR_N	CS_N	EU_N	FE_N	HF_N
36726	433007.9	5407263.38	RC	232	2976	1228	0	0	-5	-5	28	899	2.24	124	95.2	58.3	4.67	2.99	13.3	7.28
36727	432796.39	5407273.05	RC	56	172	134	0	0	-5	-5	17.2	1190	2.12	18.8	11.4	15.4	-1	0.52	3.16	6.09
36728	432797.59	5407259.04	RC	229	298	667	2024	0	-5	-5	243	178	2.11	17.4	26.5	9.6	-1	0.84	22.9	0.95
36729	432796.74	5407076.96	RC	16	192	916	0	0	-5	-5	7.21	650	-2	114	6.86	8.5	5	2.53	12.3	4.35
36730	432583.74	5407038.24	RC	16	104	41	82	0	-5	-5	7.27	1180	-2	104	-1	14.2	4.97	1.24	3.2	6.61
36731	432399.72	5407238.81	RC	10	19	47	161	0	-5	-5	2.86	656	-2	66.9	-1	10.3	4.76	1.34	2.83	6.49
36732	432399.21	5407128.03	RC	252	336	2767	0	0	-5	-5	21.3	2580	-2	44	52.4	-5	3.38	1.69	36.4	2.16
36733	432204.83	5407278.98	RC	31	70	21	70	0	-5	-5	10.5	875	-2	158	-1	7.4	2.41	1.48	3.06	8.03
36734	432211.5	5407080.32	RC	231	1086	615	294	0	-5	-5	11.2	1220	-2	76.9	11.9	10.5	3.22	1.53	6.99	5.23
36735	432006.01	5407021.2	RC	233	6	203	400	0	-5	-5	2.11	628	-2	64.9	10.1	12.8	3.83	1.49	6.38	5.53
36736	432005.1	5407098.88	RC	84	985	37	53	0	60.7	-5	27.8	1790	-2	63.3	-1	13	2.25	1.17	8.39	5.49
36737	433223.26	5407265.16	RC	21	81	42	655	0	-5	-5	3.14	148	-2	19.6	2.89	17.5	1.16	-0.5	0.93	8.22
36738	433431.08	5407279.7	RC	11	14	21	64	0	-5	-5	16.5	966	-2	32.2	-1	-5	3.69	0.57	0.74	2.18
36739	433434.4	5407177.82	RC	7	100	45	84	0	-5	-5	2.23	450	-2	28.4	1.37	28.3	1.8	-0.5	1.2	5.35
36740	433653.77	5406950.39	RC	14	1055	1630	0	0	-5	-5	26.4	1790	2.53	53.3	29.6	43.4	5.94	1.24	20.9	4.62
36741	434040.9	5407114.54	RC	38	22	125	349	0	-5	-5	8.41	1080	3.02	85.3	7.64	7.6	5.12	1.47	8.33	11.1
36742	434185.92	5406971.41	RC	28	35	22	23	0	-5	-5	26.2	1270	-2	56.3	-1	24.3	1.6	0.82	2.6	4.55
47708	431999.31	5407484.09	SA	-4	-5	-4	27	1100	-5	-5	-1	-100	-2	8.4	-1	5.8	-1	-0.5	0.41	4.04
47709	431999.25	5407468.82	SA	8	-5	6	40	1600	-5	-5	1.12	-100	2.15	10.4	-1	12.4	-1	-0.5	0.63	4.44
47710	431997.87	5407439.54	SA	9	11	11	34	4900	-5	-5	1.34	979	2.08	70.6	1.49	9.4	5.31	1.03	0.82	6.37
47711	431997.8	5407419.18	SA	16	-5	11	46	5400	-5	-5	1.93	411	2.33	54.4	-1	17.4	2.1	0.77	1.05	6.63
47712	431995.19	5407400.09	SA	11	86	130	944	5600	-5	-5	7.7	548	9.56	85.2	14.9	18.5	17.2	1.31	2.74	9.21
47713	431997.61	5407370.81	SA	20	83	98	285	3700	5.8	-5	10.5	649	4.7	70.7	4.73	19.9	10.9	0.99	2.34	7.5
47714	431998.77	5407342.81	SA	20	118	90	874	5100	-5	-5	14	825	23.3	84	20.2	17.9	13.8	1.52	4.21	7.2
47715	431999.94	5407318.63	SA	36	84	97	83	5050	-5	-5	12.2	622	11.7	84.6	4	24.1	19.1	1.34	3.47	6.65
47716	431999.88	5407300.81	SA	32	74	109	349	4250	-5	-5	11.7	655	4.16	69	7.62	28.3	7.51	1.02	5.94	6.93
47717	431998.51	5407274.08	SA	46	367	142	1744	4050	-5	-5	12.8	1310	6.16	121	15.9	24.6	5	1.71	10.4	6.79
47718	431998.37	5407235.89	SA	13	30	62	73	4650	-5	-5	8.45	589	5.99	64.6	2.13	19.5	6.04	0.89	4.57	7.31
47719	431999.5	5407202.8	SA	10	28	49	56	4850	-5	-5	6.96	650	2.34	78.2	1.16	14	5.87	1.31	3.63	7.38
47721	431999.4	5407176.07	SA	28	52	68	67	4400	-5	-5	10.7	822	9.53	58.4	1.97	23.7	8	1.02	6.56	6.41

SAMPLE	TEAST	TNORTH	TYPE	CU_A	PB_A	ZN_A	MN_A	TI_X	AU_N	AG_N	AS_N	BA_N	BR_N	CE_N	CO_N	CR_N	CS_N	EU_N	FE_N	HF_N
47722	431999.33	5407155.71	SA	11	78	83	45	4100	-5	-5	5.09	969	3.69	93.2	1.16	13.7	7.28	1.43	4.64	6.71
47723	431999.22	5407128.98	SA	17	55	46	65	4200	-5	-5	8.33	1480	4.02	81.9	1.06	10.8	5.7	1.56	5.41	7.09
47724	431997.85	5407100.98	SA	22	56	85	58	4050	-5	-5	8.72	1070	2.94	62	1.39	17.9	4.24	1.24	7.59	5.75
47725	431997.75	5407074.25	SA	4	32	37	68	4700	-5	-5	3.98	938	4.4	65.9	-1	15.6	5.46	1.28	6.68	6.89
47726	431997.67	5407052.61	SA	12	116	103	132	4300	-5	-5	8.72	802	5.57	66.3	2.24	21.4	7.44	1.34	5.11	5.91
47727	431997.59	5407032.24	SA	-4	-5	76	108	3900	-5	-5	2.48	664	4.03	55.8	2.32	7.9	2.49	0.73	2.24	6.33
47728	431997.48	5407001.7	SA	4	47	37	38	3250	-5	-5	9.28	1050	-2	72.4	1.98	22.3	3.62	1.1	3.01	5.94
47729	431997.37	5406972.42	SA	-4	65	41	43	3400	-5	-5	8.21	677	3.39	64.6	-1	5.9	11	1.15	2.32	10
47730	431997.25	5406943.15	SA	-4	54	40	58	3050	-5	-5	2.8	843	-2	59.8	1.48	6.6	4.87	1.18	1.31	10.9
47731	431995.88	5406913.87	SA	20	34	66	72	3100	-5	-5	5.02	1130	-2	39.4	2.14	-5	6.06	0.72	3.06	11.7
47732	431995.74	5406878.96	SA	9	14	58	79	3000	-5	-5	5.89	775	-2	60.4	1.65	8.3	6.12	1.09	2.8	10.4
47733	431996.92	5406854.05	SA	-4	110	36	51	1800	-5	-5	4.18	782	-2	83.4	-1	5.8	3.23	1.43	1.61	6.79
47734	431998.12	5406837.51	SA	-4	14	28	52	2550	-5	-5	2.44	530	-2	94	-1	9.1	5.22	1	1.03	7.13
47735	431997.99	5406804.41	SA	-4	84	36	46	2350	-5	-5	4.07	711	2.13	120	-1	-5	6.08	1.55	1.14	8.03
47736	431999.16	5406778.96	SA	-4	31	30	34	1300	-5	-5	2.96	698	-2	109	-1	-5	3.46	1.49	1.19	7.29
47737	431999.06	5406752.23	SA	-4	20	36	49	2000	8.8	-5	2.39	621	2.42	118	-1	6	4.76	1.3	1.01	7.51
47738	431997.7	5406728.04	SA	6	56	47	62	2550	-5	-5	2.22	484	2.28	87	-1	8.2	7.21	1.28	1.4	7.59
47739	431998.87	5406702.59	SA	-4	20	39	47	2750	-5	-5	2.32	383	2.12	93.4	-1	5.3	9	1.24	1.11	8.54
47741	431997.51	5406678.41	SA	22	13	38	53	1850	-5	-5	5.87	792	-2	96.5	2.97	7.1	7.01	1.23	1.19	5.37
47750	432400.22	5407472.53	SA	5	-5	-4	27	1900	-5	-5	1.19	-100	-2	21.4	-1	22	-1	-0.5	0.53	5.07
47751	432400.12	5407445.8	SA	4	5	-4	24	1400	-5	-5	1.11	-100	-2	10.1	-1	7.7	-1	-0.5	0.44	4.18
47752	432400.03	5407421.62	SA	5	7	-4	24	2650	-5	-5	2.37	-100	-2	29.1	-1	27.9	-1	-0.5	0.57	6.33
47753	432398.69	5407401.26	SA	5	21	10	25	3700	-5	-5	11.3	453	4.68	100	-1	27.8	5.01	1.7	0.6	6.97
47754	432399.86	5407375.8	SA	15	67	128	1073	2850	-5	-5	5.4	587	18.6	71.1	7.42	19.6	14.1	1.16	2.34	6.48
47755	432401.03	5407350.34	SA	4	25	36	102	4000	-5	-5	5.96	458	5.04	60.6	-1	15.4	13.5	0.92	2.66	7.94
47756	432399.66	5407324.89	SA	14	64	35	74	4000	-5	-5	9.08	454	7.4	52.5	-1	21.2	12.5	1.08	2.66	6.57
47757	432399.58	5407301.98	SA	14	51	31	86	4350	-5	-5	9.17	464	8.79	56.6	1.04	19	9.38	0.93	2.71	7.97
47758	432399.5	5407280.34	SA	83	224	88	54	2650	5.6	-5	17.9	577	8.65	63.6	2.69	38	13.4	1.01	5.52	4.74
47759	432399.41	5407257.43	SA	15	66	46	191	4400	-5	-5	8.15	558	7.73	54.5	-1	15.1	8.58	1.01	2.65	7.21
47761	432399.29	5407225.61	SA	26	66	41	239	3950	-5	-5	9.53	817	4.37	100	-1	15.8	7.54	1.6	2.56	7.46
47762	432397.94	5407202.7	SA	14	50	56	84	5000	24.6	-5	5.39	433	4.68	85.7	1.45	12.8	8.54	1.46	3.13	8.21
47763	432397.84	5407178.52	SA	18	50	70	899	4000	-5	-5	4.7	901	4.3	83.2	4.79	11.8	7.01	1.63	4.51	6.81
47764	432396.49	5407154.33	SA	155	3541	419	0	2150	66.4	-5	49.9	812	2.49	95.1	33.9	6.4	5.01	1.54	4.99	5.52

SAMPLE	TEAST	TNORTH	TYPE	CU_A	PB_A	ZN_A	MN_A	TI_X	AU_N	AG_N	AS_N	BA_N	BR_N	CE_N	CO_N	CR_N	CS_N	EU_N	FE_N	HF_N
47765	432397.64	5407125.06	SA	69	34	109	188	3350	12.7	-5	11.3	722	2.52	127	3.34	11.6	7.38	3.69	3.86	6.85
47766	432395.02	5407102.15	SA	11	25	134	2969	3750	-5	-5	3.49	779	-2	93.2	14.4	13.2	7.94	1.73	5.02	6.17
47767	432399.99	5407076.69	SA	4	61	59	79	3700	-5	-5	3.07	1130	-2	164	2.22	10	5.54	1.9	2.38	6.21
47768	432404.96	5407055.05	SA	5	61	205	790	3700	-5	-5	2.41	1470	-2	65.6	9.31	13.8	5.31	1.49	3.84	6.09
47769	432404.88	5407033.41	SA	33	99	122	260	4150	-5	-5	12.9	1200	19.9	45.1	2	20.3	11.8	0.92	7.84	4.46
47770	432404.78	5407005.41	SA	47	757	563	0	3650	-5	-5	8.16	1340	9.9	162	17.7	12.4	16.7	1.88	5.26	6.62
47771	432404.68	5406981.23	SA	13	145	61	1199	1900	7.3	-5	4.97	907	4.61	122	2.14	8.1	13.4	1.55	2.13	7.08
47772	432404.6	5406959.59	SA	19	353	72	2714	1800	-5	-5	5.58	700	6.4	140	5.46	8.5	10.1	1.34	2.44	7.34
47773	432403.24	5406932.86	SA	11	49	45	408	1800	-5	-5	5.18	757	-2	110	1.04	-5	6.49	1.25	1.93	7.52
47774	432401.87	5406906.13	SA	9	21	37	85	1600	35	-5	5.23	700	-2	120	-1	7.3	5.48	1.19	1.61	7.59
47775	432401.77	5406880.68	SA	13	59	57	139	2250	-5	-5	6.2	782	-2	121	1.22	5.7	8.25	1.74	3	8.21
47776	432401.71	5406862.86	SA	-4	10	46	432	1900	-5	-5	2.44	919	-2	118	2.11	5.6	5.48	1.46	2.25	7.1
47777	432401.59	5406831.04	SA	9	25	34	75	3500	-5	-5	3.9	597	6.38	68.4	1.03	12.9	21.4	0.94	2.56	7.25
47778	432400.23	5406806.86	SA	32	59	27	2145	1650	-5	-5	9.09	381	26.3	216	72.2	25.8	12.3	3.38	4.86	4.43
47779	432400.16	5406789.04	SA	-4	19	14	52	1150	-5	-5	2.37	162	2.05	111	1.95	7.1	2.66	0.95	1.1	3.95
47781	432401.32	5406762.31	SA	9	15	46	77	2150	-5	-5	6.1	174	4.97	69.9	1.39	21.5	12.1	0.74	2.3	5.31
47782	432401.23	5406736.85	SA	-4	10	4	52	700	-5	-5	4.56	119	-2	32.8	-1	23.1	-1	-0.5	2.46	3.01
47792	432799.97	5407486.43	SA	-4	-5	-4	48	850	-5	-5	1.26	-100	2.96	6.65	-1	13.2	-1	-0.5	0.73	2.7
47793	432799.86	5407455.88	SA	-4	-5	-4	37	650	-5	-5	-1	-100	-2	5	-1	5.6	-1	-0.5	0.53	2.89
47794	432798.5	5407430.43	SA	4	-5	-4	64	1150	-5	-5	1.55	-100	3.07	9.3	-1	16.3	-1	-0.5	0.92	3.63
47795	432797.13	5407402.43	SA	-4	-5	-4	45	700	-5	-5	-1	-100	2.5	6.69	-1	5.9	-1	-0.5	0.59	2.42
47796	432794.5	5407376.97	SA	-4	-5	-4	49	3150	-5	-5	1.61	385	3.89	31.5	-1	61.9	1.47	0.58	0.73	5.6
47797	432795.67	5407351.52	SA	32	57	138	57	3050	17.9	-5	11.4	1160	3.78	96.1	-1	61.6	6.07	1.43	3.83	6.98
47798	432794.31	5407326.06	SA	4	45	38	136	4950	-5	-5	10.5	293	4	58.9	1.76	43.5	3.17	1.11	3.48	9.46
47799	432794.22	5407303.15	SA	68	219	147	0	4350	-5	-5	24.4	1090	7.38	58	13.7	53.6	5.91	1.03	5.19	7.73
47801	432795.4	5407281.51	SA	80	431	151	0	4350	-5	-5	32.4	1520	10	44.4	22.7	62.2	3.99	0.88	6.55	7.24
47802	432795.29	5407252.24	SA	6	55	34	583	4000	-5	-5	11.1	208	2.69	31.5	1.24	31.6	1.17	0.78	3.13	8.38
47803	432796.47	5407229.33	SA	31	113	38	92	3450	-5	-5	8.49	761	2.97	102	1.07	14.1	5.52	1.37	2.33	7.94
47804	432795.12	5407206.42	SA	47	30	120	351	3400	-5	-5	3.58	710	-2	123	2.82	8.9	5.96	2	4.3	7.14
47805	432796.28	5407178.41	SA	4	-5	14	54	4700	-5	-5	1.51	367	2.73	49.5	-1	13.2	2.9	0.75	1.01	9.73
47806	432796.18	5407154.23	SA	70	469	107	184	2800	-5	-5	16.3	778	-2	179	1.42	-5	5.28	3.04	2.73	7.67
47807	432796.08	5407126.23	SA	4	17	26	89	4700	-5	-5	4.01	292	3.29	52.1	-1	12.8	3.23	0.98	1.53	10.6
47808	432794.73	5407104.59	SA	12	183	88	734	3250	-5	-5	31.1	445	4.06	97	2.08	12.1	6.78	1.16	3.6	6.34

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SAMPLE	TEAST	TNORTH	TYPE	CU_A	PB_A	ZN_A	MN_A	TI_X	AU_N	AG_N	AS_N	BA_N	BR_N	CE_N	CO_N	CR_N	CS_N	EU_N	FE_N	HF_N
47809	432797.17	5407081.68	SA	6	257	105	453	4100	-5	-5	7.51	809	3.65	89.9	2.09	19.3	4.84	1.44	4.73	6.54
47810	432795.82	5407058.77	SA	7	204	75	584	4600	-5	-5	10	981	5.69	74.6	3.98	22.2	4.75	1.22	4.11	5.92
47811	432798.26	5407035.86	SA	9	383	102	2937	4400	-5	-5	7	961	6.82	90.2	21.1	19	6.77	1.25	3.98	6.53
47812	432796.89	5407007.86	SA	5	75	85	324	3900	-5	-5	6.08	878	4.97	74.2	2.42	16.6	8.91	0.96	4.31	6.62
47813	432796.79	5406979.86	SA	-4	29	23	87	3550	-5	-5	2.35	615	3.41	76.4	1.56	9.6	6.78	1.1	2.58	6.68
47814	432797.95	5406953.13	SA	-4	-5	18	60	2900	-5	-5	1.73	409	-2	60.9	-1	5.6	3.94	0.81	1.11	8.2
47815	432797.87	5406932.76	SA	-4	-5	25	65	1950	-5	-5	1.59	647	-2	99.1	-1	-5	5.27	1.09	1.32	6.86
47816	432796.51	5406907.31	SA	4	597	35	142	2450	-5	-5	6.46	693	-2	103	-1	-5	6.67	1.34	1.84	7.97
47817	432796.41	5406881.85	SA	-4	19	29	63	2400	-5	-5	4.98	748	-2	102	-1	6.1	7.28	1.4	1.44	7.33
47818	432795.04	5406852.58	SA	-4	5	27	54	2700	-5	-5	2.18	720	-2	96.9	-1	-5	7.04	1.47	1.24	8.38
47819	432796.23	5406833.48	SA	8	12	44	59	1450	-5	-5	12.3	964	2.06	140	-1	-5	10	1.53	1.99	6.36
47821	432796.13	5406806.76	SA	41	8	68	338	1450	-5	-5	1.95	967	-2	145	-1	-5	6.42	1.6	1.93	7.9
47823	432795.93	5406754.57	SA	5	-5	14	72	1900	-5	-5	1.47	251	2.3	52	-1	13.2	3.45	0.88	0.96	6.27
47824	432793.32	5406734.21	SA	4	6	113	63	3150	-5	-5	1.65	500	2.37	69.3	-1	11.6	6.94	1.01	1.13	7.55
47825	432794.5	5406710.02	SA	4	-5	52	82	2150	-5	-5	1.3	553	3.01	70.2	-1	10.6	7.64	0.87	1.4	6.08
47826	432795.68	5406688.38	SA	6	-5	12	44	800	-5	-5	1.27	-100	3.08	11.9	-1	9.6	-1	-0.5	0.66	3.53
47829	432794.13	5406612.02	SA	4	31	46	56	1450	-5	-5	3.14	-100	2.88	26.5	-1	20.3	-1	-0.5	1.15	4.27
47839	433203.81	5407577.97	SA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47841	433207.51	5407552.51	SA	21	246	388	293	3850	-5	-5	9.15	536	4.13	81.1	2.83	21.3	15.1	1.13	2.6	7.98
47842	433207.41	5407525.79	SA	66	362	1810	4202	3100	-5	-5	12.8	788	18.3	89.2	11.7	23.5	22.4	2.11	3.74	5.93
47843	433207.32	5407501.6	SA	20	144	199	1058	3650	-5	-5	11.7	582	9.28	68.7	6.78	22.1	13.3	1.07	3.6	6.42
47844	433211.02	5407477.42	SA	48	279	894	1608	3050	-5	-5	9.63	710	32.3	81.1	9.83	22.4	27.4	2.49	4.04	5.81
47845	433210.92	5407451.96	SA	18	89	140	195	3200	-5	-5	6.37	541	12.1	69.7	1.76	18	11.5	1.27	2.35	7.56
47846	433212.1	5407427.78	SA	20	306	202	1215	3000	-5	-5	8.77	528	6.65	63	6.55	26	11.1	1.26	3.26	6.56
47847	433213.27	5407404.87	SA	11	66	84	399	4050	-5	-5	9.16	396	7.87	54.9	1.98	22.9	10.5	0.86	2.72	8.31
47848	433215.7	5407378.14	SA	55	376	904	0	3350	-5	-5	10.9	871	26.4	93	9.76	19.1	28.8	2.89	2.91	5.86
47849	433216.87	5407351.41	SA	75	275	987	2401	3100	-5	-5	11.8	688	42.2	88.1	6	18.3	30.9	3.79	3.36	5.65
47850	433219.3	5407327.22	SA	15	122	113	3082	5050	-5	-5	5.51	418	11.1	43.6	3.49	30.2	8.19	1.03	3.28	9.34
47851	433219.21	5407303.04	SA	18	151	104	3667	6150	-5	-5	9.19	390	15.2	50.2	7.23	42.3	9.6	1.09	3.6	9.49
47852	433221.65	5407278.86	SA	37	268	143	0	5000	-5	-5	16.4	566	17.6	63.7	10.7	38.1	11.1	1.06	4.13	8.64
47853	433221.55	5407253.4	SA	48	292	155	4314	5050	5.6	-5	16.3	666	14	79.2	10	41.7	12.1	1.39	4.3	8.22
47854	433220.21	5407233.04	SA	64	251	136	4685	4450	-5	-5	16.8	739	21.2	81.5	10.7	25.8	20.4	1.13	3.95	9.19
47855	433221.37	5407205.03	SA	41	198	89	2658	4350	-5	-5	17.8	753	16.6	57.1	8.49	21.3	12	1.05	4.32	9.51

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SAMPLE	TEAST	TNORTH	TYPE	CU_A	PB_A	ZN_A	MN_A	TI_X	AU_N	AG_N	AS_N	BA_N	BR_N	CE_N	CO_N	CR_N	CS_N	EU_N	FE_N	HF_N
47856	433221.29	5407183.4	SA	37	195	84	4286	4800	-5	-5	14.4	651	24.9	65.3	7.53	22.2	12.3	1.21	3.76	9.29
47857	433224.99	5407157.94	SA	29	230	66	4690	4900	-5	-5	12.2	618	18.9	54.2	8.05	19.6	12	1.12	3.34	10.8
47858	433223.62	5407132.48	SA	25	254	55	0	4750	-5	-5	11.4	619	16.9	50.4	7.22	19.9	10.3	1.14	3.34	11.3
47859	433222.26	5407105.76	SA	48	293	68	0	4400	-5	-5	12.6	631	15.1	63.9	7.95	20	8.85	1.04	3.75	8.84
47861	433224.69	5407079.03	SA	106	576	94	0	3500	-5	-5	20.5	688	13.6	87.9	10	18.1	8.67	0.85	4.66	7.72
47862	433224.59	5407054.84	SA	54	756	124	0	3900	-5	-5	15.4	724	19.7	85.1	12	16	8.06	1.27	5.53	8.63
47863	433223.24	5407031.93	SA	52	986	157	0	3650	-5	-5	18.5	999	15.6	111	11.3	20.3	8.95	1	6.15	6.72
47864	433225.67	5407005.2	SA	10	20	125	0	2650	-5	-5	3.21	1150	-2	107	5.3	5.2	6.79	1.31	3.42	8.87
47865	433226.82	5406973.38	SA	9	347	89	0	2300	-5	-5	29.4	1030	2.45	93.3	4.09	5.3	3.54	1.37	3.36	7.36
47866	433227.98	5406946.65	SA	21	692	123	0	2400	-5	-5	25.5	748	5.67	98.1	5.58	7.9	4.98	1.27	4.6	6.99
47867	433227.9	5406925.02	SA	25	970	118	0	2550	5.3	-5	45.4	657	10.8	98.2	12.6	15	8.42	1.18	5.63	7.56
47868	433227.83	5406907.2	SA	27	173	238	0	2050	5.7	-5	7.31	866	-2	93.9	21	5	5.89	0.99	7.75	6.93
47869	433228.99	5406880.47	SA	52	1820	144	0	3100	249	-5	40.5	690	14.3	97.2	12.7	14.7	7.61	1.44	4.3	6.61
47870	433230.16	5406855.01	SA	4	43	55	208	3750	-5	-5	11.3	742	6.66	77.8	4.02	27.5	9.77	0.91	3.31	6.93
47871	433230.08	5406833.37	SA	-4	-5	15	83	2500	-5	-5	12.7	610	3.21	73.4	1.65	10.5	6.12	0.93	2.1	7.76
47872	433230	5406811.74	SA	-4	-5	11	74	2950	-5	-5	10.8	502	-2	73.9	1.59	8.3	5.41	1.07	1.32	8.54
47873	433231.18	5406791.37	SA	-4	-5	7	57	2100	-5	-5	6.58	553	2.12	80.9	1.76	8.4	4.59	1.08	1.82	5.99
47874	433232.39	5406774.82	SA	6	8	-4	90	1500	-5	-5	8.73	117	2.06	42.2	1.18	23.8	1.19	0.53	1.27	4.89
47875	433601.45	5407928.3	SA	6	-5	10	49	1850	-5	-5	1.16	-100	4.29	8.5	-1	16.3	-1	-0.5	0.67	4.69
47876	433605.16	5407902.83	SA	5	10	43	182	6850	-5	-5	2.17	872	10.6	12.3	9.52	32.6	13.8	-0.5	2.01	6.32
47877	433606.35	5407879.91	SA	-4	61	30	150	9150	-5	-5	3.28	520	32.6	35.1	6.56	38.9	9.65	-0.5	2.85	7.8
47878	433607.53	5407856.99	SA	11	5	-4	42	7300	-5	-5	1.28	173	4.95	9.41	-1	11.9	1.67	-0.5	0.49	8.32
47879	433609.96	5407826.43	SA	11	-5	-4	59	2650	-5	-5	1.32	-100	3	8.45	-1	14.9	-1	-0.5	0.76	6.09
47881	433611.16	5407806.06	SA	21	-5	-4	51	2250	-5	-5	-1	-100	3.21	4.99	-1	9	-1	-0.5	0.56	4.97
47882	433612.32	5407775.49	SA	10	-5	-4	64	1850	-5	-5	-1	-100	3.76	4.32	-1	15	-1	-0.5	0.84	4.68
47883	433612.24	5407752.57	SA	7	-5	-4	53	1550	-5	-5	-1	-100	4.15	3.56	-1	8.4	-1	-0.5	0.58	3.76
47901	433632.36	5407337.45	SA	5	-5	-4	41	1050	-5	-5	1.08	-100	2.55	6.01	-1	11.6	-1	-0.5	0.57	3.52
47902	433632.28	5407311.99	SA	7	-5	-4	46	1150	-5	-5	-1	-100	2.64	5.7	-1	6.9	-1	-0.5	0.58	3.61
47903	433633.47	5407290.34	SA	4	-5	-4	51	1700	-5	-5	1.19	-100	2.97	9.86	-1	14.7	-1	-0.5	0.69	4.56
47904	433634.66	5407267.42	SA	-4	-5	-4	61	1550	-5	-5	1.21	-100	3.52	10.7	1.54	9	-1	-0.5	0.61	4.52
47905	433634.56	5407238.13	SA	7	-5	-4	58	1400	-5	-5	1.31	-100	2.58	10	-1	15.3	-1	-0.5	0.75	4.52
47906	433634.49	5407216.48	SA	-4	-5	-4	51	1600	-5	-5	2.46	-100	-2	18.7	-1	9.8	-1	-0.5	0.55	5.68
47907	433636.93	5407189.74	SA	-4	-5	-4	52	1000	-5	-5	1.25	-100	-2	12.4	-1	14	-1	-0.5	0.66	4.34

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SAMPLE	TEAST	TNORTH	TYPE	CU_A	PB_A	ZN_A	MN_A	TI_X	AU_N	AG_N	AS_N	BA_N	BR_N	CE_N	CO_N	CR_N	CS_N	EU_N	FE_N	HF_N
47908	433636.85	5407166.82	SA	6	29	54	69	4650	-5	-5	6.23	226	10.3	37.2	2.19	536	8.04	0.57	1.46	4.42
47909	433639.3	5407142.63	SA	40	135	93	1587	4000	-5	-5	19.6	224	11.8	58	10.5	546	11	0.78	4.5	4.58
47910	433640.47	5407114.61	SA	12	43	40	103	3200	-5	-5	11.9	489	2.12	87.4	-1	195	8.13	0.91	2.39	5.95
47911	433641.64	5407086.6	SA	8	27	25	46	3100	-5	-5	6.51	442	-2	68.1	1.2	201	9.78	0.92	0.93	5.81
47912	433642.83	5407063.68	SA	9	305	25	1588	2850	-5	-5	22.8	748	2.24	90.6	-1	31.6	6.26	1.24	1	6.29
47913	433644.02	5407039.49	SA	17	44	17	37	2900	5.6	-5	22.1	696	2.82	104	-1	21.1	5.85	1.4	0.8	7.36
47914	433645.21	5407017.84	SA	25	1090	193	0	3650	32.7	-5	21.3	729	9.12	55.6	6.34	45.1	6.73	0.97	3.05	6.38
47915	433646.37	5406986	SA	29	822	131	0	4350	-5	-5	17.8	560	13.3	67.6	11.5	46.1	10.3	1.06	3.43	7.54
47916	433648.83	5406966.9	SA	17	306	126	0	3600	-5	-5	15	439	15.3	106	8.71	12.9	12.1	1.37	2.95	8.54
47917	433648.74	5406938.89	SA	33	609	101	0	3500	-5	-5	23	633	5.97	104	10.9	14	9.7	1.35	2.85	8.19
47918	433649.93	5406917.24	SA	13	200	114	585	3250	-5	-5	19.8	361	5.35	84.5	3.31	13.8	14.6	0.96	3.59	7.14
47919	433649.85	5406893.05	SA	18	132	128	1491	2250	-5	-5	10.4	475	-2	81.2	2.82	7.9	6.32	1.55	2.52	6.44
47921	433652.31	5406871.4	SA	47	124	136	408	2700	-5	-5	145	439	2.25	97.4	3.19	7.3	6.71	1.81	5.28	6.27
47922	433652.21	5406843.39	SA	11	242	78	1510	3400	12	-5	17.7	379	9.55	79.7	2.02	9.1	14.1	1.24	3	7.42
47923	433653.4	5406819.19	SA	11	512	140	0	3100	-5	-5	20.6	685	5.17	71.4	4.77	8	10.8	1.11	4.43	6.21
47924	433655.84	5406793.72	SA	19	2715	123	4931	2500	70.8	-5	121	599	11.2	102	5.94	10	21.3	1.36	4.67	5.96
47925	433657.03	5406770.8	SA	9	248	88	212	2600	12.3	-5	38.4	415	2.25	81.9	-1	10.5	10.1	0.96	2.73	6.55
47926	433658.22	5406746.61	SA	-4	-5	-4	62	750	-5	-5	2.47	-100	2.17	16.5	-1	13	-1	-0.5	0.78	3.08
47927	433660.66	5406721.14	SA	-4	10	-4	52	1500	-5	-5	4.78	-100	2.3	39.5	-1	15.7	-1	-0.5	1.03	5.2
47935	434046.1	5406881.53	SA	6	48	95	54	1150	-5	-5	1.32	-100	2.55	11.7	-1	16.6	-1	-0.5	0.87	4.01
47936	434043.67	5406908.26	SA	-4	-5	-4	55	1100	-5	-5	1.52	-100	2.73	15	-1	10.5	-1	-0.5	0.75	3.85
47937	434042.46	5406922.26	SA	-4	20	29	40	4700	-5	-5	2.35	584	2.74	77.1	1.04	17.8	6	0.88	1.49	5.95
47938	434041.26	5406938.81	SA	4	25	142	119	4100	-5	-5	4.56	728	3.6	79.9	2.77	14.1	9.47	1	2.56	6.3
47939	434040.09	5406965.54	SA	-4	-5	-4	53	1650	-5	-5	2.46	-100	2.34	30.7	-1	15.9	-1	-0.5	0.79	4.62
47941	434037.67	5406993.54	SA	-4	-5	4	52	1300	-5	-5	2.57	-100	2.13	25	-1	11.2	-1	-0.5	0.91	4.62
47942	434037.76	5407019	SA	9	-5	6	68	1250	-5	-5	2.38	-100	-2	24.6	-1	19	-1	-0.5	0.78	4.2
47943	434036.57	5407038.09	SA	-4	-5	22	0	1800	-5	-5	6.76	126	7.97	22.6	7.89	19	2.08	-0.5	4.64	4.14
47944	434036.65	5407057.18	SA	-4	26	15	67	3800	-5	-5	14.3	112	49.9	29.5	1.13	28.5	3.6	-0.5	5.47	5.38
47945	434035.47	5407081.37	SA	-4	15	38	525	3450	-5	-5	3.86	1050	10.7	97.8	3.57	12.8	7.2	1.1	3.14	6.39
47946	434033.04	5407108.1	SA	-4	15	33	312	3200	-5	-5	2.31	913	3.47	98	1.73	10	7.19	1.25	2.19	6.72
47947	434034.41	5407133.55	SA	-4	35	124	2209	3800	-5	-5	3.99	867	25.5	130	31.1	18.7	9.69	1.55	3.54	8.43
47948	434031.97	5407157.73	SA	-4	14	26	33	6350	-5	-5	4.1	744	-2	86	-1	24	4.82	1.4	3.15	5.99
47949	434030.78	5407178.1	SA	-4	5	23	56	4100	-5	-5	2.26	683	2.7	85.1	-1	10.9	6.6	0.86	2.04	7.12

SAMPLE	TEAST	TNORTH	TYPE	CU_A	PB_A	ZN_A	MN_A	TI_X	AU_N	AG_N	AS_N	BA_N	BR_N	CE_N	CO_N	CR_N	CS_N	EU_N	FE_N	HF_N
47950	434029.63	5407208.65	SA	-4	11	21	80	3650	-5	-5	3.88	984	2.14	88.5	1.27	11.5	8.54	0.95	2.33	6.75
47951	434029.72	5407231.56	SA	-4	24	17	29	3750	-5	-5	2.71	806	-2	99	1.19	16.6	7.87	1.35	1.83	6.86
47952	434028.54	5407254.47	SA	-4	9	20	23	3800	-5	-5	2.51	715	-2	75.1	1.71	9.2	7.3	1	1.33	6.7
47953	434027.36	5407277.38	SA	-4	6	28	42	3600	-5	-5	2.66	806	-2	95.5	1.49	9.8	7.47	1.13	1.95	6.69
47954	434026.2	5407304.11	SA	-4	-5	21	30	3100	-5	-5	2.21	709	2.4	78.9	1.12	9.7	7.55	0.83	1.53	6.1
47955	434026.29	5407327.02	SA	-4	6	21	29	4000	-5	-5	3.22	725	2.83	88.2	-1	11.8	10.2	0.83	2.2	7.17
47956	434025.12	5407352.48	SA	9	-5	19	35	3900	-5	-5	2.08	440	2.27	71.7	-1	10.6	6.04	0.8	1.55	7.75
47957	434022.67	5407374.11	SA	-4	9	24	63	3550	-5	-5	1.9	684	2.38	109	1.77	9.9	10.5	1.32	2.42	7.23
47958	434021.51	5407400.84	SA	-4	19	58	119	3800	-5	-5	3.14	681	6.59	92.8	3.18	16.4	15.9	1.35	2.73	7.26
47959	434020.32	5407422.48	SA	-4	15	48	75	4150	-5	-5	2.19	580	4.04	87.1	2.79	12.1	12.5	1.02	2.36	6.85
47961	434017.89	5407447.94	SA	7	11	46	556	1750	-5	-5	1.87	247	5.6	37.5	2.85	11.2	5.46	0.54	1.13	4.57
47962	434020.5	5407468.3	SA	6	5	30	96	2900	-5	-5	1.54	242	4.78	48.2	1.35	15.8	5.75	0.75	0.89	6.82
47963	434018.07	5407495.03	SA	9	-5	23	72	2750	-5	-5	1.39	192	4.32	40.5	-1	11.5	4.47	0.57	0.93	6.71
47964	434016.9	5407519.22	SA	-4	15	38	225	3350	-5	-5	1.79	302	9.12	41.6	2.22	16.6	6.78	0.52	1.59	7.02
47965	434014.46	5407544.67	SA	5	14	35	575	3650	-5	-5	2.53	357	8.7	48.6	2.65	13.7	8.7	0.57	2.29	6.91
47966	434015.8	5407563.76	SA	-4	-5	8	65	3100	-5	-5	1.7	188	3.67	38	-1	13.5	3.78	0.54	0.79	8.05
47967	434014.65	5407593.04	SA	-4	-5	12	182	2450	-5	-5	1.57	176	5.53	33.6	-1	10.3	4.38	-0.5	0.9	6.78
47968	434012.19	5407613.4	SA	5	-5	5	44	2400	-5	-5	1.5	-100	3.02	28.9	-1	11.1	1.01	-0.5	0.57	7.25
47969	434011.03	5407638.86	SA	4	-5	5	45	2750	-5	-5	1.08	-100	2.79	25.7	-1	8.9	-1	-0.5	0.53	8.7
47970	434008.59	5407663.04	SA	11	14	25	101	2200	-5	-5	4.54	484	7.16	46.2	1.05	13.1	5.97	0.69	1.63	3.65
48010	434381.05	5407486.03	SA	4	7	8	36	2300	-5	-5	2.01	160	2.22	38.9	-1	10	1.44	-0.5	0.86	5.36
48011	434378.42	5407460.57	SA	6	6	6	20	2300	-5	-5	1.71	-100	-2	28.7	-1	9.7	-1	-0.5	0.53	5.7
48012	434378.33	5407435.12	SA	-4	11	20	47	2650	-5	-5	2.45	286	2	40.9	1.18	11.5	2.12	0.7	1.25	5.37
48013	434376.99	5407417.3	SA	6	19	54	253	2000	-5	-5	4.15	362	2.84	52.3	2.67	12.5	3.03	0.79	2.01	4.08
48014	434376.89	5407390.57	SA	4	34	122	914	3950	-5	-5	2.53	408	10.3	87.1	37.5	17.1	9.38	1.11	1.84	6.72
48015	434378.08	5407370.2	SA	8	67	223	723	4500	-5	-5	2.65	532	17.3	97.9	29.5	20.7	20.7	1.72	3.21	6.7
48016	434376.72	5407346.02	SA	-4	31	70	89	4050	-5	-5	3.51	734	2.71	65.5	2.18	8.6	13.7	0.91	4.7	6.39
48017	434377.89	5407319.29	SA	-4	15	22	28	4000	-5	-5	1.94	392	5.48	48	1.43	8.8	9.75	0.64	1.2	7.61
48018	434376.54	5407297.66	SA	6	28	45	70	4000	-5	-5	2.45	677	7.78	69.1	2.32	11.1	10.9	0.87	2.67	7.15
48019	434376.46	5407277.29	SA	89	15	47	31	4150	-5	-5	2.87	678	10.4	60.4	2.43	17.4	16	0.94	2.99	6.6
48021	434375.08	5407245.47	SA	24	14	15	32	4250	-5	-5	1.92	282	5.28	43.1	-1	8.6	6.64	0.58	0.77	8.04
48022	434373.73	5407223.83	SA	7	20	21	40	3700	-5	-5	2.4	468	5.95	55.3	-1	11.6	17.9	0.75	1.23	5.94
48023	434372.37	5407199.65	SA	9	42	37	191	4750	-5	-5	6.44	607	43.3	52.2	1.32	22.7	51.7	0.84	4.2	5.19

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48024	434373.57	5407180.56	SA	-4	8	12	21	4350	-5	-5	2.63	564	3.82	58.2	-1	11.6	6.11	0.91	1.27	6.99
48025	434372.21	5407157.65	SA	6	9	11	24	4300	-5	-5	1.79	323	5.32	42	-1	10.3	2.52	-0.5	0.75	6.96
48026	434369.57	5407128.37	SA	-4	-5	5	28	2950	-5	-5	1.41	169	5.84	23.1	-1	8.4	1.02	-0.5	0.51	5.47
48027	434369.49	5407105.46	SA	-4	-5	-4	18	2950	-5	-5	1.4	-100	3.19	21.6	-1	10.9	-1	-0.5	0.36	6.23
48028	434369.4	5407082.55	SA	12	5	4	24	2900	-5	-5	1.69	-100	2.26	16.5	-1	7	-1	-0.5	0.3	6.62
48029	434369.3	5407057.1	SA	-4	9	5	23	3500	-5	-5	2.13	-100	2.22	22.2	-1	8.6	-1	-0.5	0.26	6.87
48030	434367.95	5407034.19	SA	-4	7	5	18	3650	-5	-5	1.6	156	3.07	24.5	-1	9.6	-1	-0.5	0.62	6.69
48031	434369.11	5407004.91	SA	9	42	18	19	6150	-5	-5	6.76	1290	4.61	98.6	-1	29.3	8.38	1.54	2.3	6.07
48032	434367.74	5406978.18	SA	-4	12	9	31	3000	-5	-5	1.91	339	6.81	34.1	-1	13.5	-1	0.5	0.44	4.53
48033	434367.66	5406957.82	SA	-4	17	11	27	2200	-5	-5	1.81	158	3.94	22.2	-1	10.1	1.81	-0.5	0.53	3.99
48035	434368.76	5406914.54	SA	-4	-5	-4	27	1350	-5	-5	2.51	-100	6.15	16.1	-1	11.1	-1	-0.5	0.62	4.71
48057	435205.38	5407058.16	SA	-4	-5	-4	28	1500	-5	-5	-1	-100	2.5	5.09	-1	6.4	-1	-0.5	0.36	4.92
48058	435202.95	5407084.89	SA	-4	-5	-4	20	2450	-5	-5	-1	-100	2.25	7.55	-1	8.5	-1	-0.5	0.3	6.78
48059	435204.31	5407109.07	SA	-4	-5	12	30	4250	-5	-5	1.06	-100	6.82	10.3	-1	11.3	-1	-0.5	0.39	8.35
48061	435203.15	5407137.07	SA	-4	-5	12	31	2850	-5	-5	-1	-100	4.33	8.35	-1	8.8	-1	-0.5	0.33	6.97
48062	435203.27	5407167.62	SA	-4	-5	9	36	2650	-5	-5	-1	-100	3.71	8.06	-1	8.8	-1	-0.5	0.38	7.2
48063	435202.09	5407190.53	SA	4	19	105	192	6250	-5	-5	9.48	581	8.56	16.7	6.3	37.2	19.7	-0.5	6.08	5.85
48064	435202.17	5407210.89	SA	-4	13	48	471	6950	-5	-5	9.78	662	8.71	11.9	3.68	30.6	20.6	-0.5	7.73	5.53
48065	435200.99	5407233.81	SA	-4	11	39	276	8350	-5	-5	5.06	561	14.5	21.7	2.48	26.6	12.7	0.6	4.3	7.23
48066	435197.29	5407257.99	SA	7	11	41	232	5850	-5	-5	11.2	589	11.1	18.4	6.49	33.3	15.4	-0.5	8.53	6.13
48067	435198.64	5407282.17	SA	4	18	71	732	6600	-5	-5	6.37	729	10.6	24.7	8.95	30.8	17.1	-0.5	5.79	5.17
48068	435196.2	5407305.08	SA	7	5	16	273	5900	-5	-5	3.82	1180	5.52	7.69	3.32	31.4	20	-0.5	7.03	5.27
48069	435197.54	5407325.45	SA	8	18	104	823	6700	-5	-5	5.22	596	7.07	51.2	8.83	42	18.1	0.71	7	6.32
48070	435196.4	5407358.54	SA	5	57	42	904	6350	-5	-5	6.42	1340	6.85	30.1	3.42	27.6	15.2	0.63	5.68	6.32
48071	435195.24	5407385.27	SA	-4	21	5	191	10100	-5	-5	2.56	423	4.57	21.3	1.81	22.9	8.6	-0.5	3.5	7.88
48072	435195.32	5407405.64	SA	-4	16	33	568	7250	-5	-5	5.86	740	9.04	23.5	3.99	26.2	19	-0.5	5.96	5.02
48073	435194.13	5407426	SA	-4	21	25	406	8600	-5	-5	8.15	588	10.1	22.8	3.41	29.9	16.4	-0.5	5.66	5.71
48074	435192.97	5407452.73	SA	-4	9	13	64	9050	-5	-5	3.86	413	9.84	22.2	2.19	19.5	11.1	-0.5	2.79	8.42
48075	435191.81	5407480.73	SA	6	19	52	777	6250	-5	-5	11.8	745	13.9	34.5	5.01	36.2	14.4	-0.5	6.22	7.11
48076	435191.89	5407503.64	SA	6	5	4	44	9050	-5	-5	2.28	254	4.88	20.8	-1	12.6	5.17	-0.5	0.98	9.67
48077	435189.46	5407529.1	SA	-4	7	20	40	9400	-5	-5	2.55	630	5.35	19.3	1.36	14	11.1	-0.5	1.32	9.22
48078	435189.56	5407554.56	SA	-4	17	36	50	7700	-5	-5	3.85	522	26.2	18.1	1.83	25	11.4	-0.5	4.74	7.39
48079	435188.4	5407582.56	SA	12	36	49	553	6050	-5	-5	2.32	1320	4.86	23.9	3.19	21	9.37	0.58	4.74	6.48

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48081	435188.49	5407605.47	SA	25	26	50	1710	5600	-5	-5	3.26	1210	7.16	24.4	3.19	23.4	8.95	0.5	5.32	5.94
48082	435188.58	5407629.65	SA	6	29	38	490	6550	-5	-5	2.77	938	9.25	32.6	3.1	31.9	11.1	0.58	4.86	6.59
48083	435188.68	5407657.65	SA	-4	41	40	330	6300	-5	-5	4.66	707	11.8	39.6	3.34	42.9	11.2	0.71	6.45	6.56
48084	435190.04	5407680.56	SA	-4	15	13	1590	7750	-5	-5	1.52	281	8.76	23.6	1.44	17.9	5.8	-0.5	2.13	8.33
48085	435188.85	5407702.2	SA	-4	12	22	308	3650	-5	-5	4.02	348	8.78	32.8	1.59	29.7	8.67	0.51	3.32	5.77
48105	435598.13	5408227.76	SA	-4	-5	6	48	3000	-5	-5	-1	-100	4.72	6.31	-1	8	-1	-0.5	0.31	5.78
48106	435599.3	5408202.31	SA	-4	-5	5	26	3050	-5	-5	-1	-100	2.7	6.62	-1	6.5	-1	-0.5	0.26	5.87
48107	435599.22	5408180.67	SA	-4	-5	-4	30	2150	-5	-5	-1	-100	2.12	6.31	-1	7.5	-1	-0.5	0.3	4.76
48108	435597.87	5408157.76	SA	-4	-5	-4	56	5900	-5	-5	-1	-100	7.9	7.09	-1	6.7	-1	-0.5	0.41	6.4
48109	435596.51	5408132.3	SA	-4	-5	-4	71	2850	-5	-5	-1	-100	8.29	5.61	-1	8.3	-1	-0.5	0.38	4.84
48110	435598.93	5408104.3	SA	-4	8	8	58	7050	-5	-5	1.72	321	11	13	1.33	20.2	4.67	-0.5	1.21	6.41
48111	435597.57	5408078.85	SA	-4	-5	10	51	8250	-5	-5	1.73	248	19.9	20.7	1.4	22.6	11.6	-0.5	1.68	7.94
48112	435597.48	5408054.66	SA	8	21	42	57	9650	-5	-5	3.93	431	43.9	13.5	3.43	36.1	13	-0.5	2.7	6.22
48113	435597.37	5408027.93	SA	7	8	114	118	6900	-5	-5	2.6	614	25.9	8.1	7.28	28.1	16.3	-0.5	5.53	5.26
48114	435598.55	5408003.75	SA	-4	20	70	130	6200	-5	-5	1.97	871	24.2	13.2	10	29.8	18.9	-0.5	6.5	4.82
48115	435599.72	5407978.29	SA	-4	17	88	127	9000	-5	-5	1.52	352	11.3	20.5	7.49	24.2	13.8	0.53	3.48	7.41
48116	435598.35	5407952.84	SA	-4	53	37	69	7800	-5	-5	2	555	19.5	48.1	1.94	20.6	14.9	0.59	2.8	6.59
48117	435599.52	5407927.38	SA	15	64	55	126	7950	-5	-5	6.36	420	22	28.3	2.02	26	8.49	-0.5	3.69	6.56
48118	435598.17	5407904.47	SA	7	-5	44	41	7600	-5	-5	-1	102	8.74	11.5	-1	11.4	-1	-0.5	0.43	6.54
48121	435596.71	5407853.56	SA	6	168	166	457	3900	-5	-5	4.88	401	14.3	59.3	9.78	21.6	8.7	0.6	3.08	4.74
48123	435597.79	5407805.19	SA	-4	17	50	267	4350	-5	-5	3.81	338	29.3	60.7	13.4	22.9	9.21	0.88	2.71	5.71
48124	435599	5407788.65	SA	-4	8	28	300	2900	-5	-5	2.12	218	12.4	40.2	6.65	14.9	4.2	-0.5	1.56	4.83
48125	435598.88	5407759.37	SA	-4	5	23	40	5050	-5	-5	3.64	331	10.2	41.8	2.53	19.4	5.96	0.52	2.43	7.16
48126	435600.04	5407731.37	SA	-4	11	12	98	4350	-5	-5	2.11	162	12.7	31	4.77	13.1	3.49	-0.5	1.38	6.85
48127	435598.68	5407705.91	SA	-4	-5	10	33	6750	-5	-5	5.83	-100	14.6	19.2	1.14	34.2	1.8	-0.5	5.06	7.44
48128	435598.58	5407677.91	SA	-4	5	6	25	10800	-5	-5	6.27	-100	8.49	28.3	-1	20.5	1.09	-0.5	0.67	10
48129	435598.49	5407655	SA	-4	-5	-4	26	4550	-5	-5	-1	-100	4.71	8.06	-1	11.4	-1	-0.5	0.35	8.98
48150	435594.07	5407157.34	SA	-4	-5	-4	29	7400	-5	-5	1.23	-100	6.07	9.51	-1	10	-1	-0.5	0.29	9.73
48151	435592.71	5407131.88	SA	-4	-5	7	22	6550	-5	-5	1.12	-100	7.32	7.61	-1	10.2	-1	-0.5	0.36	9.26
48152	435592.62	5407107.7	SA	11	24	85	120	5700	-5	-5	8.25	793	10	40.4	4.86	42.6	20	0.74	5.77	5.9
48153	435592.52	5407080.97	SA	20	42	174	806	5200	-5	-5	7.01	824	21.6	74.9	13.5	48.3	10.4	1.01	6.35	6.91
48154	435591.15	5407054.24	SA	7	52	88	347	6000	-5	-5	5.07	769	18.1	37	2.63	32.3	11.6	-0.5	4.84	6.6
48155	435591.08	5407035.15	SA	8	48	68	527	4700	-5	-5	3.76	987	14	35.2	3.7	28	13.4	-0.5	4.89	7.08

724000

SAMPLE	TEAST	TNORTH	TYPE	CU_A	PB_A	ZN_A	MN_A	TI_X	AU_N	AG_N	AS_N	BA_N	BR_N	CE_N	CO_N	CR_N	CS_N	EU_N	FE_N	HF_N
48156	435592.25	5407009.69	SA	10	47	71	134	5850	-5	-5	3.83	901	8.36	24.2	3.42	37.1	14.1	-0.5	6.28	6.23
48157	435592.15	5406984.24	SA	8	44	47	228	6000	-5	-5	4.26	658	7.77	27.4	2.64	42.6	11.5	-0.5	5.64	5.22
48158	435593.31	5406957.51	SA	17	45	37	137	6050	-5	-5	5.03	646	6.98	25.9	1.97	37.7	13.1	0.64	6.22	4.33
48159	435591.95	5406932.05	SA	43	55	110	272	5200	-5	-5	4.38	728	16.3	49.4	6.72	112	11.9	0.92	5.83	5.82
48161	435590.6	5406910.41	SA	19	38	82	254	4400	-5	-5	3.54	1020	14.2	27.9	2.92	20.4	18.3	0.67	4.48	7.33
48162	435590.52	5406887.5	SA	12	50	53	236	4850	-5	-5	4.51	913	8.96	36.4	2.48	25.7	13.2	1	4.91	5.93
48166	435593.92	5406785.68	SA	42	31	69	1090	6600	-5	-5	6.35	801	41	49.3	15.4	53.9	19.3	0.97	7.66	4.26
48167	435592.57	5406762.77	SA	28	51	44	219	4700	-5	-5	9.77	902	48.1	68	6.34	22.1	16.1	1.1	5.56	6.37
48169	435592.38	5406710.58	SA	21	101	217	2122	7700	-5	-5	5.17	608	14.7	41.9	24.1	23.3	21.2	0.78	8.66	3.33
48170	435594.81	5406685.13	SA	20	113	401	2601	6750	-5	-5	5.15	594	15	35.9	40.7	19.2	19.6	-0.5	8.18	2.78
48171	435594.72	5406660.94	SA	18	100	337	1348	7300	-5	-5	4.88	604	12.2	29.9	24.3	44.6	18.7	0.51	8.73	3.15
48172	435597.15	5406636.76	SA	14	125	444	3358	6400	-5	-5	5.38	846	13.9	30.2	39.1	78.4	11.1	-0.5	9.77	2.61
48173	435595.79	5406610.03	SA	12	116	419	3330	6250	-5	-5	6.14	690	11.4	38	28.9	45.5	8.2	0.61	8.46	3.91
48174	435594.43	5406585.85	SA	4	66	142	2820	4100	-5	-5	3.49	578	19.7	76.1	23.4	20.6	15.8	1.08	3.52	5.65
48175	435594.32	5406556.57	SA	4	29	64	109	5450	-5	-5	6.86	707	24.2	40.4	2.69	29.1	25.1	0.63	6.51	5.64
48177	435595.42	5406512.02	SA	5	25	64	310	4800	-5	-5	4.76	681	9.76	61.8	4.34	24.3	22.8	0.73	4.1	7.21
48178	435596.59	5406489.11	SA	-4	-5	8	37	4350	23.2	-5	-1	289	12.2	11	-1	36	5.32	-0.5	-0.05	1.25
48183	435596.22	5406391.11	SA	-4	57	60	1944	3200	-5	-5	4.16	710	17.3	71.7	18.1	16.5	20.8	0.91	2.77	6.04
48186	435595.94	5406317.29	SA	-4	208	98	1954	2600	-5	-5	4.93	317	118	61.1	12.9	23.4	17.3	1.22	5.37	4.65
48187	435595.84	5406289.28	SA	-4	14	7	37	3850	-5	-5	2.07	120	7.3	50.6	-1	10.3	2.58	0.55	0.39	8.28
48204	434799.84	5407849.94	SA	53	15	34	43	8650	-5	-5	6.82	370	8.63	23.3	1.31	46.7	16.3	-0.5	5.41	8.87
48205	434799.74	5407824.49	SA	-4	16	39	57	6800	-5	-5	6.82	493	10.4	31.5	2.19	46	16.7	0.63	5.1	8.76
48206	434799.66	5407804.12	SA	-4	17	34	81	7100	-5	-5	5.43	509	6.93	18.9	2.45	40.7	17.5	-0.5	4.57	7.93
48207	434800.84	5407782.49	SA	4	25	73	57	5950	-5	-5	8.29	470	15.8	18.5	2.43	57.7	24.2	-0.5	6.14	6.05
48208	434802.01	5407755.76	SA	4	29	20	78	8050	-5	-5	3.53	511	6.58	19.6	1.6	36.8	11.3	-0.5	4.28	7.39
48209	434800.66	5407734.12	SA	27	61	104	516	7850	-5	-5	6.24	595	8.59	8.81	6.97	62.4	14	-0.5	9.08	3.72
48210	434798.02	5407703.57	SA	27	80	115	2067	7600	-5	-5	4.7	696	5.87	13.7	22.4	54.2	8.85	-0.5	8.53	2.3
48211	434801.73	5407681.93	SA	19	111	81	1833	7050	-5	-5	5.05	662	9.48	9.65	7.88	23.5	8.63	-0.5	8.53	1.94
48212	434800.38	5407660.3	SA	13	87	106	1419	7000	-5	-5	5.07	1650	8.56	16.1	6.94	49.5	13.8	-0.5	8.18	2.88
48213	434799.02	5407634.84	SA	11	111	107	2987	7600	-5	-5	5.42	574	13.2	28.2	8.2	64.3	9.38	-0.5	8.39	4.09
48214	434801.43	5407604.29	SA	-4	12	14	528	6250	-5	-5	1.83	312	3.12	61	1.02	11.6	3.83	0.96	1.88	8.4
48215	434801.37	5407587.75	SA	8	24	114	516	4200	-5	-5	5.49	627	13.2	38.7	3.68	33.2	12.4	0.64	6.82	6.56
48216	434802.55	5407564.84	SA	8	29	72	2692	3600	-5	-5	3.16	754	10.3	87.7	2.97	14	8.36	1.16	3.17	6.58

724091

SAMPLE	TEAST	TNORTH	TYPE	CU_A	PB_A	ZN_A	MN_A	TI_X	AU_N	AG_N	AS_N	BA_N	BR_N	CE_N	CO_N	CR_N	CS_N	EU_N	FE_N	HF_N
48217	434799.93	5407541.93	SA	-4	34	115	344	3200	-5	-5	2.65	942	5.31	98.1	1.4	10.6	9.7	1.42	2.71	7.09
48218	434799.83	5407513.92	SA	-4	46	90	1447	3650	-5	-5	2.32	798	10.4	105	3.72	13	7.76	1.27	2.73	7.69
48219	434800.97	5407483.38	SA	4	24	115	2013	3200	-5	-5	2.14	728	8.51	96.4	2.87	11.9	7.08	1.32	2.52	6.32
48221	434799.62	5407459.19	SA	8	32	113	1405	3050	-5	-5	1.92	957	8.22	92	4.49	12.2	7.84	1.26	2.97	6.76
48222	434799.52	5407432.47	SA	-4	61	106	2016	3600	-5	-5	2.38	923	6.21	103	4.82	10.3	8.3	1.34	2.92	7.43
48223	434801.95	5407408.28	SA	-4	31	85	1101	3450	-5	-5	3.04	759	11	86.4	3.32	16.3	10.3	1.15	3.06	6.64
48224	434801.86	5407382.83	SA	4	40	98	504	3500	-5	-5	2.04	827	6.97	88.5	3.17	9.6	10.2	1.04	3.09	6.87
48225	434801.77	5407359.91	SA	5	23	92	741	3350	-5	-5	2.95	682	9.51	104	5.6	13.4	11.5	1.27	3.66	7.27
48226	434801.67	5407334.46	SA	-4	16	65	342	3850	-5	-5	3.01	592	8.9	92.9	3.13	15.2	11.2	1.21	3.5	7.51
48227	434800.3	5407305.18	SA	-4	9	5	46	4650	-5	-5	2.15	169	7.48	30.5	-1	9	2.35	0.53	0.48	8.78
48228	434800.22	5407283.55	SA	-4	13	44	53	3900	-5	-5	2.18	481	5.36	82	2.63	9.2	10.8	1.03	1.91	7.36
48229	434798.85	5407258.09	SA	-4	6	22	62	3800	-5	-5	2.96	468	4.49	54.6	1.49	10.9	8.78	0.76	1.45	7.36
48230	434801.3	5407236.45	SA	-4	-5	-4	48	3800	-5	-5	1.52	-100	8.12	10.4	-1	6.7	-1	-0.5	0.24	8.15
48234	435998.9	5408178.02	SA	5	10	17	109	5100	-5	-5	2.38	467	11.2	83.6	4.94	27.2	5.86	1.04	4.25	5.29
48235	436001.32	5408148.75	SA	-4	8	7	62	7750	-5	-5	1.9	336	14.8	33.2	2.34	24.8	8.9	0.54	2.56	6.9
48236	436003.76	5408123.29	SA	4	8	14	69	5750	-5	-5	1.87	536	5.13	41	4.12	26.2	7.67	0.59	3.46	5.76
48237	436003.68	5408102.93	SA	6	12	14	242	9150	-5	-5	4.83	216	32.5	17.7	2.66	42.5	10.6	-0.5	4.08	6.81
48238	436004.84	5408076.2	SA	5	10	14	188	9750	-5	-5	6.53	-100	46.5	14.8	2.9	56.4	5.8	-0.5	4.53	7.56
48239	436006.02	5408053.29	SA	17	281	403	45	4600	-5	-5	-1	-100	7.95	7.32	-1	7.1	-1	-0.5	0.23	6.21
48242	436005.82	5408001.1	SA	14	44	78	29	1450	-5	-5	-1	-100	5.43	9.5	-1	6.3	-1	-0.5	0.23	4.65
48244	436010.7	5407954.01	SA	-4	14	16	40	4800	-5	-5	1.23	317	5.42	14.3	2.03	18.4	13.6	-0.5	0.8	4.86
48245	436011.88	5407931.1	SA	31	-5	5	41	4850	-5	-5	-1	-100	7.61	10.6	-1	10.7	-1	-0.5	0.43	5.4
48246	436010.52	5407905.64	SA	38	1264	1392	68	8450	-5	-5	1.87	259	26.3	11.4	1.32	22.3	7.34	-0.5	1.33	6.24
48247	436009.15	5407877.64	SA	5	62	132	68	5750	-5	-5	-1	331	6.46	17.2	-1	18.2	9.7	-0.5	1.17	6.05
48249	436010.21	5407824.18	SA	-4	5	30	54	6150	-5	-5	1.15	-100	7.94	13.1	-1	11.3	3.4	-0.5	0.54	6.88
48250	436011.39	5407802.54	SA	9	9	29	69	6950	-5	-5	2.62	407	79.4	16	2.13	23.5	11.4	-0.5	2.62	6.01
48251	436012.57	5407778.36	SA	6	11	52	303	5750	-5	-5	2.58	505	50.8	34.7	7.27	22.7	20.7	-0.5	4.76	5.71
48252	436015.01	5407756.72	SA	-4	8	48	274	8550	-5	-5	3.18	367	29.9	34.3	7.51	30.5	12.2	0.68	5.98	7.51
48253	436013.65	5407731.27	SA	-4	7	58	275	8650	-5	-5	3.9	372	20.4	44.8	7.78	31.6	11.5	0.54	4.38	7.81
48254	436011.01	5407701.99	SA	6	13	109	237	5200	-5	-5	2.82	523	18.6	64	13.9	42.6	9.79	0.73	5.01	6.54
48255	436013.46	5407681.63	SA	4	10	34	325	3950	-5	-5	3.48	425	26.4	44.5	7.54	23.5	11.9	0.95	3.42	5.01
48256	436014.63	5407654.9	SA	8	13	53	310	5750	-5	-5	9.47	317	20.7	88	9.01	37.4	9.72	1.59	7.85	7.04
48257	436015.8	5407630.71	SA	-4	-5	-4	50	4350	-5	-5	1.35	-100	4.59	13.7	-1	10.8	1	-0.5	0.59	8.26

724002

SAMPLE	TEAST	TNORTH	TYPE	CU_A	PB_A	ZN_A	MN_A	TI_X	AU_N	AG_N	AS_N	BA_N	BR_N	CE_N	CO_N	CR_N	CS_N	EU_N	FE_N	HF_N
48258	436015.69	5407602.71	SA	-4	13	19	604	4450	-5	-5	2.63	328	12.4	40.8	5.46	19	8.89	-0.5	2.23	5.36
48259	436016.87	5407578.53	SA	44	23	157	0	5300	-5	-5	3.98	823	58.2	100	41.8	30.8	17.9	1.06	5.67	5.08
48261	436018.04	5407554.34	SA	169	14	89	201	9800	-5	-5	1.97	453	20.1	41.6	5.5	26	9.44	0.7	1.65	7.51
48262	436017.94	5407528.89	SA	-4	14	86	106	12800	-5	-5	6.43	226	12.5	55.1	9.21	47.4	8.58	1.01	9.22	9.59
48263	436016.59	5407504.71	SA	4	10	43	358	9900	-5	-5	6.07	219	10.1	24.7	8.84	38.8	8.41	-0.5	7.89	8.15
48264	436020.27	5407474.16	SA	12	9	58	545	12900	-5	-5	6.48	183	10.2	21	13.2	55.1	7.19	-0.5	12.4	7.73
48265	436021.44	5407451.25	SA	-4	21	42	971	5750	-5	-5	6.79	486	53.7	45.5	14.9	24.2	22.3	0.72	6.84	5.39
48266	436022.61	5407425.79	SA	-4	16	10	70	6550	-5	-5	4.82	135	28.4	26.1	1.01	17.8	5.71	-0.5	1.01	7.88
48268	436027.47	5407372.33	SA	-4	-5	6	30	2800	-5	-5	1.14	-100	4.24	15.1	-1	6.2	-1	-0.5	0.21	6
48270	436029.84	5407331.6	SA	6	16	33	137	6250	-5	-5	3.08	1140	11.8	42.9	4.53	29.9	15.9	1.04	6.42	5.96
48271	436031.01	5407304.87	SA	18	25	71	3087	4000	-5	-5	3.89	755	14	90.3	18.1	25.8	15.1	0.91	5.3	6.35
48272	436032.18	5407280.69	SA	8	27	79	295	4200	-5	-5	5.69	949	7.49	100	4.65	22.1	16.8	1.17	5.17	7.3
48273	436033.33	5407250.14	SA	9	25	96	855	3900	-5	-5	4.48	747	6.91	118	2.3	15.4	11.7	1.49	3.5	8.32
48274	436033.25	5407228.5	SA	8	25	35	594	3850	-5	-5	3.3	632	6.29	86.1	2.54	15.6	7.74	0.96	3.38	7.37
48276	436031.78	5407175.04	SA	-4	64	55	2374	3950	-5	-5	4.76	1170	10.4	108	18.7	23.1	12.4	1.68	3.95	7.57
48277	436031.7	5407153.41	SA	14	17	40	538	3750	-5	-5	2.96	701	5.65	90.3	3.02	18	8.32	1.06	3.18	7.57
48278	436031.59	5407125.41	SA	18	20	29	584	3700	-5	-5	3.22	543	6.82	98.9	3.55	11.4	9.31	1.39	2.6	7.4
48279	436030.25	5407105.04	SA	10	32	125	470	4250	-5	-5	6.23	919	5.69	116	7.38	29	13.8	1.78	5.29	7.02
48281	436030.16	5407080.86	SA	45	39	82	609	4200	-5	-5	9.46	1130	10.7	177	9.31	38.9	13.5	1.45	4.88	7.42
48282	436031.31	5407051.58	SA	6	-5	14	48	3750	-5	-5	2.45	543	4.79	84.9	2.5	13.2	14.2	1.23	1.9	7.62
48283	436029.96	5407029.95	SA	5	-5	-4	32	2650	-5	-5	1.78	592	6.56	72.8	-1	35.1	4.9	0.88	0.69	5.43
48285	436028.52	5406981.58	SA	4	-5	6	37	1550	-5	-5	1.47	-100	11.4	8.15	-1	7.9	-1	-0.5	0.33	4.72
48287	436398.88	5408250.47	SA	25	63	85	525	7000	-5	-5	4.69	441	15.6	31.5	8.43	40.3	9.37	-0.5	6.71	8.25
48288	436398.78	5408226.29	SA	32	504	475	1153	10200	-5	-5	4.23	453	16.3	23.8	9.81	44.7	9.16	-0.5	8.09	8.54
48289	436394.81	5408179.2	SA	16	18	74	975	12400	-5	-5	2.74	313	23	25.1	13.1	52.3	6	-0.5	7.49	10.9
48290	436394.72	5408155.01	SA	15	11	60	1983	10300	-5	-5	3.75	562	15.7	35.5	13.3	47.2	5.05	-0.5	9.08	9.6
48291	436394.61	5408127.01	SA	15	34	91	2639	10200	-5	-5	3.94	608	19.8	46.2	19.9	54.5	5.01	-0.5	11.8	8.76
48292	436393.26	5408104.1	SA	55	843	1264	2722	9500	-5	-5	3.52	796	18.7	66.4	23.4	51.8	5.45	0.64	9.66	8.72
48293	436391.9	5408078.64	SA	20	10	60	2628	9350	-5	-5	2.85	780	21.3	40.4	23.4	53.4	4.76	-0.5	9.64	8.55
48294	436393.08	5408057.01	SA	20	13	64	2061	10200	-5	-5	3.84	626	16.6	38.6	28	52.8	3.72	-0.5	10.2	9.15
48295	436391.72	5408030.28	SA	16	19	58	2943	8900	-5	-5	3.93	515	23.2	52.2	20.9	54.1	5.09	0.6	10.8	8.21
48296	436391.51	5407976.82	SA	15	13	70	629	6500	-5	-5	2.9	891	16.3	22.7	11.8	38.8	5.09	-0.5	7.64	6.75
48297	436392.69	5407953.91	SA	15	11	80	1260	6250	-5	-5	3.47	815	22.7	17.9	17	40.6	4.93	-0.5	8.38	6.95

724003

SAMPLE	TEAST	TNORTH	TYPE	CU_A	PB_A	ZN_A	MN_A	TL_X	AU_N	AG_N	AS_N	BA_N	BR_N	CE_N	CO_N	CR_N	CS_N	EU_N	FE_N	HF_N
48298	436391.33	5407929.73	SA	24	-5	85	3254	5300	-5	-5	1.42	800	15	64.6	19.6	34.8	3.26	1.22	7.39	5.54
48299	436392.49	5407901.72	SA	13	-5	86	788	5700	-5	-5	2.03	1030	24.6	35.1	13.9	36	4.05	-0.5	7.58	6.69
48301	436389.88	5407878.81	SA	41	6	51	688	5250	-5	-5	1.92	1020	24.8	22.1	10.9	30.4	3.42	-0.5	6.3	6.07
48302	436388.52	5407853.36	SA	28	-5	87	1598	5900	-5	-5	-1	1440	22.7	27.6	22.4	37.3	8.75	-0.5	6.72	5.36
48303	436388.42	5407827.9	SA	16	-5	91	2858	6600	-5	-5	2.83	636	18.5	51.1	22.7	32.3	13.1	-0.5	7.17	6.73
48304	436388.32	5407802.45	SA	14	-5	73	3099	6050	-5	-5	3.38	1310	19.4	97.5	30.6	36.8	10	0.52	7.46	6.2
48305	436388.24	5407780.81	SA	11	-5	73	2679	6250	-5	-5	3.18	1110	13.8	36.6	23.3	38.8	29.4	0.64	7.17	6.6
48306	436386.88	5407755.35	SA	7	-5	37	546	6350	-5	-5	3.41	850	8.88	19.6	10.1	37.4	23	-0.5	7.53	6.38
48307	436385.52	5407731.17	SA	16	-5	91	2611	10600	-5	-5	4.89	676	15.9	95.2	58.6	91	15.7	0.51	15.1	5.63
48308	436386.68	5407701.9	SA	15	-5	79	1614	7550	-5	-5	3.63	776	16.8	93.8	37.7	51.7	21	0.59	9.08	6.15
48309	436387.85	5407678.98	SA	16	-5	52	3984	6700	-5	-5	3.19	737	21.8	44.3	27.8	30.8	11.9	-0.5	7.02	6.8
48310	436387.76	5407654.8	SA	13	9	59	1917	7450	-5	-5	3.06	640	22.7	39.4	12.8	26.6	9.42	-0.5	6.1	6.9
48311	436388.94	5407631.89	SA	9	-5	23	257	5450	-5	-5	3.21	234	12.6	31.8	3.94	29.9	13.7	-0.5	3.41	5.39
48312	436386.83	5407602.62	SA	9	-5	8	99	6100	-5	-5	2.02	147	6.35	24	1.69	17.6	3.13	-0.5	0.95	6.38
48313	436389.44	5407097.31	SA	6	-5	23	82	4200	-5	-5	4.01	296	4.38	57.6	2.18	27.6	6.02	0.71	2.36	6.06
48314	436389.33	5407069.31	SA	6	-5	22	590	3150	-5	-5	3.48	394	11.1	39.4	6.27	16.2	8.95	0.54	2.72	4.31
48315	436387.99	5407047.67	SA	16	10	119	3701	10800	-5	-5	5.18	921	57.8	45.8	20.9	42.9	6.04	0.63	8.89	6.82
48316	436386.64	5407024.76	SA	6	9	116	1546	10100	-5	-5	5.23	947	32.8	62.8	21.5	37.9	11.4	0.65	9.6	6.46
48317	436385.27	5406998.04	SA	7	11	86	2049	11200	-5	-5	5.84	489	55.2	43.2	13.2	41.2	4.74	-0.5	8.76	6.83
48318	436385.18	5406973.85	SA	8	10	76	2409	10100	-5	-5	6.15	395	84.6	34.9	12.7	38.7	4.07	0.57	6.94	6.27
48319	436383.82	5406949.67	SA	15	6	64	578	7950	-5	-5	4.74	268	32.5	38.4	13.5	30	4.17	-0.5	6.98	6.97
48325	436385.89	5406827.48	SA	34	-5	13	124	7100	-5	-5	2.83	308	5.45	13.9	3.14	23.6	4.62	-0.5	4.61	6.88
48326	436384.5	5406795.66	SA	-4	-5	-4	38	5450	-5	-5	2.83	164	6.23	47.6	-1	12.9	2.29	-0.5	0.64	7.16
48327	436383.15	5406774.02	SA	5	-5	11	98	7850	-5	-5	2.8	366	11.6	20.2	2.61	20.6	6.91	-0.5	5.1	6.51
48328	436383.05	5406746.02	SA	11	11	55	827	3650	-5	-5	4	562	17.8	81.7	7.42	26.2	7.37	0.89	3.73	5.97
48329	436384.22	5406721.84	SA	11	10	49	222	3500	-5	-5	5.61	609	10	99.4	4.87	30.9	9.27	1.08	3.94	6.98
48330	436384.12	5406695.11	SA	6	-5	29	253	6600	-5	-5	5.15	627	8.79	62.8	3.58	28.8	7.31	0.86	4.97	7.06
48331	436384.03	5406672.2	SA	9	13	86	458	5250	-5	-5	6.39	373	42.5	52.1	6.21	39.5	13.6	0.86	6.52	5.68
48332	436385.2	5406646.74	SA	4	13	32	1467	5550	-5	-5	3.76	573	7.69	83.6	8.31	22.9	10.7	1.09	4.59	6.21
48333	436382.58	5406622.56	SA	18	13	98	1389	7150	-5	-5	3.94	485	22.7	68.9	23.2	37.1	16.3	0.83	8.03	4.68
48334	436383.74	5406594.56	SA	5	14	33	1949	5400	-5	-5	2.2	581	8.23	75.8	10.4	19.7	13	1.05	5.24	5.48
48339	436835	5406922	SA	7	11	33	116	4800	-5	-5	5.86	365	24.8	48.6	5.11	29.8	10.5	0.64	4.48	4.84
48343	436822.92	5406999.2	SA	6	5	-4	50	2000	-5	-5	2.07	-100	3.17	35.5	-1	16.4	-1	0.5	0.63	5.87

724004

SAMPLE	TEAST	TNORTH	TYPE	CU_A	PB_A	ZN_A	MN_A	TI_X	AU_N	AG_N	AS_N	BA_N	BR_N	CE_N	CO_N	CR_N	CS_N	EU_N	FE_N	HF_N
48344	436823	5407020.83	SA	-4	6	-4	23	2050	-5	-5	1.87	-100	2.72	39.6	-1	18.5	1.83	0.5	0.58	5.23
48345	436820.56	5407043.75	SA	-4	-5	13	1679	3500	-5	-5	4.37	182	12.6	47.2	12.5	24.7	4.92	0.66	3.95	6.06
48346	436820.66	5407070.47	SA	6	10	37	2184	4850	-5	-5	3.52	428	24.8	45.3	5.65	28.9	9.52	0.62	4.17	5.55
48347	436818.24	5407099.75	SA	8	6	82	609	7200	-5	-5	5.72	478	16.7	49.6	15.6	17.7	13	0.77	8.54	4.82
48348	436815.79	5407121.39	SA	13	11	66	335	4850	-5	-5	5.42	582	32.5	90.2	10.9	37.5	11.5	0.98	5.74	5.76
48349	436813.37	5407150.66	SA	7	7	23	1110	4450	-5	-5	3.74	517	12.9	48.5	4.56	32.1	9.44	0.57	4.15	5.59
48351	436814.83	5407202.85	SA	25	21	49	185	4300	-5	-5	8.95	513	122	82.7	6.69	45.1	13.7	1.23	5.77	4.79
48352	436812.4	5407227.03	SA	7	15	40	1026	5250	-5	-5	5.14	820	15.9	38.2	9.44	26.3	13.9	0.62	5.39	6.17
48353	436809.96	5407251.22	SA	-4	8	13	57	3200	-5	-5	2.7	117	3.37	32	1.05	15.2	2.37	0.55	1.05	6.29
48354	436811.32	5407275.4	SA	-4	-5	6	26	2650	-5	-5	1.08	-100	2.73	14	-1	8.9	-1	-0.5	0.26	6.24
48355	436811.41	5407299.58	SA	5	7	13	174	4250	-5	-5	3.31	193	7.82	21.6	1.63	18.2	6.08	-0.5	2.22	6.51
48356	436811.5	5407323.76	SA	10	27	49	1865	5850	-5	-5	7.55	718	15.3	31.9	11.2	26.2	12.5	-0.5	6.8	4.74
48357	436812.86	5407349.22	SA	5	18	88	76	3400	-5	-5	3.17	451	6.01	43.3	1.82	18.3	10.6	0.69	1.9	5.64
48361	436811.89	5407426.86	SA	9	17	47	321	10300	-5	-5	3.03	103	19.2	14.6	7.37	40.9	8.05	-0.5	1.82	5.33
48362	436809.46	5407452.32	SA	6	8	32	67	7100	-5	-5	2.04	101	8.72	21.8	2.08	16.7	5.12	-0.5	0.9	5.48
48363	436810.81	5407475.23	SA	-4	7	19	45	2600	-5	-5	1.15	-100	4.71	19.1	-1	9.9	-1	-0.5	0.53	4.77
48364	436808.38	5407500.69	SA	6	32	34	71	2850	-5	-5	2.84	-100	5.46	35	1.31	18.8	3.47	0.61	1.86	4.99
48365	436808.5	5407532.51	SA	12	7	106	146	4950	-5	-5	6.06	106	11.3	16.6	6.59	39.5	9.7	-0.5	6.88	4.4
48366	436809.85	5407555.42	SA	8	5	27	207	6500	-5	-5	3.58	151	10.3	24.4	3.58	34.2	11.3	-0.5	4.42	5.5
48367	436806.14	5407577.05	SA	11	11	31	284	6050	-5	-5	3.23	195	27.8	17	3.29	27.6	14.1	-0.5	4.83	5.38
48368	436804.97	5407602.51	SA	11	12	32	168	6850	-5	-5	4.22	320	18.7	16.6	3.54	26.4	14.5	-0.5	5.13	6.13

724095

SAMPLE	TEAST	TNORTH	IR_N	K_N	LA_N	LU_N	MO_N	NA_N	RB_N	SB_N	SC_N	SE_N	SM_N	SN_N	TA_N	TH_N	W_N	YB_N	U_N	ZN_N	ZR_N
36726	433007.9	5407263.4	-20	1.1	17.7	0.96	-5	0.207	81.8	14.1	45.9	-5	10.5	0	1.39	6.42	16.6	6.25	2.94	1270	0
36727	432796.4	5407273.1	-20	0.35	5.84	-0.2	-5	0.044	-20	3.14	11.6	-5	2.28	0	-1	5.38	4.66	1.37	-2	237	0
36728	432797.6	5407259	-20	-0.2	7.6	-0.2	-10	0.012	-20	3.11	7.68	-5	3.6	0	-1	2.66	-2	1.25	5.15	589	0
36729	432796.7	5407077	-20	2.78	50.5	0.63	-5	0.084	138	3.67	26.9	-5	11.7	0	1.22	10.2	8.17	4.12	-2	779	0
36730	432583.7	5407038.2	-20	3.98	43.5	0.49	-5	0.114	208	3.73	19.2	-5	8.05	0	1.69	15.1	2.59	3.43	2.08	123	0
36731	432399.7	5407238.8	-20	3.48	23.8	0.51	-5	0.251	194	2.19	15.9	-5	7.08	0	1.46	15.9	3.28	3.41	-2	109	0
36732	432399.2	5407128	-20	1.42	20.9	0.42	-5	0.016	88.9	36.3	7.53	-5	5.21	0	-1	5.03	7.57	3.08	-2	2650	0
36733	432204.8	5407279	-20	3.26	72.8	0.38	-5	0.104	160	5.15	11.8	-5	8.91	0	1.23	15.6	23.1	2.71	-2	-100	0
36734	432211.5	5407080.3	-20	3.23	35.9	0.44	-5	0.102	170	4.24	20.8	-5	6.74	0	1.07	11.4	9.92	3.01	-2	627	0
36735	432006	5407021.2	-20	2.45	27.7	0.43	-5	0.079	133	1.41	23.9	-5	5.59	0	1.14	10.7	45	3.17	-2	294	0
36736	432005.1	5407098.9	-20	2.99	33.4	0.42	-5	0.072	147	2.84	22.4	-5	4.97	0	1.13	13.7	9.17	2.89	-2	-100	0
36737	433223.3	5407265.2	-20	0.91	6.88	0.24	-5	0.134	51.8	2.65	5.49	-5	2.28	0	-1	10	2.78	1.53	-2	-100	0
36738	433431.1	5407279.7	-20	1.98	16.8	-0.2	-5	0.29	93	2.24	1.11	-5	2.32	0	1.95	19.9	2.54	1.09	2.87	-100	0
36739	433434.4	5407177.8	-20	1.19	11.6	0.24	5.4	0.096	70.9	1.64	5.96	-5	2.58	0	-1	8.51	3.49	1.64	-2	-100	0
36740	433653.8	5406950.4	-20	1.72	21.7	0.54	82.8	0.11	96.6	2.49	13.6	-5	5.72	0	1.72	9.14	6.02	3.78	2.03	1530	0
36741	434040.9	5407114.5	-20	2.26	38.7	0.45	-5	0.21	114	2.45	20.8	-5	6.78	0	1.22	12.5	-2	3.06	2.37	193	0
36742	434185.9	5406971.4	-20	3.2	23.9	0.34	8.8	0.142	131	1.9	27.2	-5	3.86	0	1.24	7.9	-2	2.49	4.24	106	0
47708	431999.3	5407484.1	-20	-0.2	3.68	-0.2	-5	-0.01	-20	0.76	0.75	-5	0.69	-500	-1	1.17	-2	0.96	-2	-100	-500
47709	431999.3	5407468.8	-20	-0.2	4.7	-0.2	-5	-0.01	-20	1.01	0.88	-5	0.86	-500	-1	1.65	2.57	1.1	-2	-100	-500
47710	431997.9	5407439.5	-20	2.49	32.4	0.43	-5	0.167	143	2.56	12.3	-5	5.55	-500	1.61	10.9	2.79	2.84	-2	-100	-500
47711	431997.8	5407419.2	-20	0.88	25.5	0.34	-5	0.083	49.3	2.8	6.03	-5	3.97	-500	1.4	6.3	8.33	2.2	-2	-100	-500
47712	431995.2	5407400.1	-20	1.04	41.6	0.53	-5	0.046	104	4.14	9.77	-5	6.54	-500	1.29	9.66	12.3	3.36	-2	198	-500
47713	431997.6	5407370.8	-20	1.79	34.8	0.44	-5	0.055	122	3.77	10	-5	5.55	-500	1.64	9.66	16.9	2.81	-2	147	-500
47714	431998.8	5407342.8	-20	1.83	43.7	0.45	-5	0.071	133	4.06	14	-5	6.69	-500	1.48	8.39	10.7	3.09	-2	144	-500
47715	431999.9	5407318.6	-20	1.53	41.6	0.43	-5	0.035	133	5.65	13.5	-5	6.67	-500	1.6	11.3	10.7	2.87	-2	155	-500
47716	431999.9	5407300.8	-20	2.22	34.1	0.4	-5	0.037	163	6.59	15	-5	5.49	-500	1.58	13.9	11.5	2.68	-2	170	-500
47717	431998.5	5407274.1	-20	2.39	45.9	0.48	9.1	0.026	147	6.57	28.5	-5	7.94	-500	-1	15.5	12.3	3.33	2.85	233	-500
47718	431998.4	5407235.9	-20	2.04	31.9	0.44	-5	0.041	158	5.38	13.9	-5	5.09	-500	-1	8.91	8.8	2.88	-2	108	-500
47719	431999.5	5407202.8	-20	1.89	38.2	0.48	-5	0.038	162	3.73	13.4	-5	5.82	-500	1.71	7.42	11.2	3.22	-2	-100	-500
47721	431999.4	5407176.1	-20	2.45	28.2	0.38	6.4	0.047	181	2.63	19.4	-5	4.81	-500	1.17	12.1	7.45	2.64	-2	131	-500

724056

SAMPLE	TEAST	TNORTH	IR_N	K_N	LA_N	LU_N	MO_N	NA_N	RB_N	SB_N	SC_N	SE_N	SM_N	SN_N	TA_N	TH_N	W_N	YB_N	U_N	ZN_N	ZR_N
47722	431999.3	5407155.7	-20	3.08	44.9	0.46	-5	0.047	200	3.66	16.4	-5	7.08	-500	1.63	9.33	11	3.03	-2	134	-500
47723	431999.2	5407129	-20	2.99	40.5	0.51	-5	0.058	191	3.04	17.8	-5	7.02	-500	1.02	10	13.5	3.33	-2	111	-500
47724	431997.9	5407101	-20	3.28	31.2	0.39	-5	0.068	178	2.78	20.4	-5	5.25	-500	1.06	10.9	11	2.71	-2	148	-500
47725	431997.8	5407074.3	-20	2.21	30.9	0.44	-5	0.066	156	2.29	20.5	-5	5.84	-500	1.6	11.1	6.95	2.86	-2	102	-500
47726	431997.7	5407052.6	-20	2.49	33.6	0.44	-5	0.079	174	3.06	20.6	-5	5.85	-500	1.4	11.2	4.48	2.75	-2	172	-500
47727	431997.6	5407032.2	-20	2.24	25.5	0.43	-5	0.121	141	1.59	11.8	-5	4.23	-500	-1	9.38	3.63	2.78	-2	139	-500
47728	431997.5	5407001.7	-20	3.74	32.8	0.51	-5	0.159	227	2.95	19	-5	6.07	-500	1.24	12.1	4.12	3.35	-2	111	-500
47729	431997.4	5406972.4	-20	3.12	29.6	0.44	-5	0.08	238	3.65	11	-5	4.84	-500	1.08	9.82	4.63	2.87	-2	-100	-500
47730	431997.3	5406943.2	-20	3.85	25.6	0.43	-5	0.073	224	2.65	13.7	-5	5	-500	-1	9.62	4.36	2.77	2.36	-100	-500
47731	431995.9	5406913.9	-20	4.7	17.8	0.4	-5	0.046	278	3.27	14.6	-5	3.26	-500	1.31	10.8	4.19	2.43	2.47	143	-500
47732	431995.7	5406877	-20	4.42	27.8	0.44	-5	0.06	253	4.08	14.9	-5	5.24	-500	1.35	11.5	3.64	2.89	2.04	126	-500
47733	431996.9	5406854.1	-20	3.94	35.5	0.56	-5	0.053	204	3.23	13.9	-5	7.14	-500	1.14	15.4	4.68	3.7	2.69	101	-500
47734	431998.1	5406837.5	-20	2.52	44.2	0.53	-5	0.048	136	2.79	7.94	-5	5.71	-500	-1	12.9	7	3.37	2.39	-100	-500
47735	431998	5406804.4	-20	3.21	52.6	0.66	-5	0.066	190	2.96	9.46	-5	8.88	-500	1.62	16.6	7.93	4.2	2.07	-100	-500
47736	431999.2	5406779	-20	2.91	48.8	0.54	-5	0.065	163	1.9	8.31	-5	9.18	-500	2.15	18.6	-2	3.43	-2	-100	-500
47737	431999.1	5406752.2	-20	2.61	55.1	0.67	-5	0.056	135	2.17	7	-5	8.19	-500	2.07	16.8	-2	4.24	-2	-100	-500
47738	431997.7	5406728	-20	2.51	39.4	0.55	-5	0.056	135	2.52	8.51	-5	6.95	-500	1.73	12.5	6.26	3.48	2.59	-100	-500
47739	431998.9	5406702.6	-20	2.66	43.5	0.59	-5	0.056	144	3.37	8.11	-5	6.76	-500	1.47	13.4	6.4	3.68	-2	-100	-500
47741	431997.5	5406678.4	-20	2.98	44	0.63	-5	0.047	148	5.88	6.26	-5	6.72	-500	1.37	14	13.9	4.11	-2	-100	-500
47750	432400.2	5407472.5	-20	-0.2	9.69	0.23	-5	-0.01	-20	1.27	1.34	-5	1.82	-500	-1	3.05	3.66	1.51	-2	-100	-500
47751	432400.1	5407445.8	-20	-0.2	4.68	-0.2	-5	-0.01	-20	1.2	0.69	-5	0.82	-500	-1	1.59	4.97	1	-2	-100	-500
47752	432400	5407421.6	-20	-0.2	13.2	0.27	5.1	0.021	-20	2.98	2.16	-5	2.1	-500	1.03	6.07	11	1.66	-2	-100	-500
47753	432398.7	5407401.3	-20	2.65	42.7	0.56	-5	0.082	152	1.72	10.8	-5	8.12	-500	1.2	12.6	27.5	3.74	-2	-100	-500
47754	432399.9	5407375.8	-20	1.73	32.8	0.4	-5	0.062	117	2.91	8.19	-5	5.52	-500	1.29	10.2	5.35	2.79	-2	210	-500
47755	432401	5407350.3	-20	1.53	28.5	0.46	-5	0.06	128	3.59	7.98	-5	4.7	-500	1.61	7.94	10.3	2.97	-2	-100	-500
47756	432399.7	5407324.9	-20	1.84	24.9	0.38	-5	0.078	173	5.06	9.06	-5	4.2	-500	1.43	8.76	10.6	2.55	-2	-100	-500
47757	432399.6	5407302	-20	2	26.3	0.42	-5	0.081	140	7.6	9.74	-5	4.59	-500	1.51	13.1	11.1	2.78	-2	-100	-500
47758	432399.5	5407280.3	-20	2.31	29.9	0.32	-5	0.071	162	16.2	14.4	-5	5.16	-500	1.01	30.6	5.72	2.1	-2	140	-500
47759	432399.4	5407257.4	-20	2.48	24.3	0.4	-5	0.143	187	6.26	13.9	-5	4.64	-500	1.57	9.23	12.1	2.61	-2	-100	-500
47761	432399.3	5407225.6	-20	3.1	46.5	0.52	-5	0.174	175	6.9	14.9	-5	7.59	-500	1.11	13.9	8.86	3.3	-2	104	-500
47762	432397.9	5407202.7	-20	2.52	41.5	0.47	-5	0.04	182	9.44	12.1	-5	6.42	-500	1.09	7.76	10.1	3.15	-2	120	-500
47763	432397.8	5407178.5	-20	3.66	39.5	0.46	-5	0.053	192	8.5	19.1	-5	6.93	-500	1.64	11.4	4.23	3.19	-2	134	-500
47764	432396.5	5407154.3	-20	3.53	37.8	0.47	-5	0.039	172	81.8	12.5	-5	7.67	-500	1.28	14.7	9.14	3.19	-2	503	-500

201007

SAMPLE	TEAST	TNORTH	IR_N	K_N	LA_N	LU_N	MO_N	NA_N	RB_N	SB_N	SC_N	SE_N	SM_N	SN_N	TA_N	TH_N	W_N	YB_N	U_N	ZN_N	ZR_N
47765	432397.6	5407125.1	-20	3.66	52.6	0.98	-5	0.043	180	41.9	16.8	-5	15.5	-500	1.51	16.7	76	6.35	-2	190	-500
47766	432395	5407102.2	-20	3.99	39.4	0.54	-5	0.06	188	7.43	22.9	-5	7.89	-500	1.14	12.8	-2	3.49	-2	240	-500
47767	432400	5407076.7	-20	3.72	72.4	0.46	-5	0.215	184	4.68	20.5	-5	10.9	-500	1.13	13.7	5.82	2.88	-2	128	-500
47768	432405	5407055.1	-20	3.49	28.8	0.62	-5	0.164	197	4.41	23.1	-5	6.68	-500	1.55	12.7	8.03	3.9	-2	373	-500
47769	432404.9	5407033.4	-20	2.82	21.7	0.31	-5	0.117	205	8.65	18.9	-5	4.14	-500	1.03	8.71	7.39	2.04	-2	186	-500
47770	432404.8	5407005.4	-20	2.96	79.7	0.45	-5	0.121	191	4.69	18.1	-5	10.7	-500	-1	12.3	4.01	3.6	-2	538	-500
47771	432404.7	5406981.2	-20	2.86	57.6	0.56	-5	0.069	186	3.73	8.83	-5	9.87	-500	1.36	16.5	2.9	3.78	2.91	114	-500
47772	432404.6	5406959.6	-20	2.93	55.1	0.57	-5	0.064	188	4.34	9.49	-5	8.53	-500	1.92	20.2	2.22	3.83	3.49	117	-500
47773	432403.2	5406932.9	-20	3.33	50.3	0.58	-5	0.069	192	5.15	9.27	-5	8.68	-500	1.42	17.6	2.88	3.86	-2	-100	-500
47774	432401.9	5406906.1	-20	2.87	54.7	0.62	-5	0.069	169	4.29	7.54	-5	9.52	-500	1.06	16.6	-2	4.13	-2	-100	-500
47775	432401.8	5406880.7	-20	2.78	55.1	0.62	-5	0.071	165	2.93	10.7	-5	10	-500	1.69	17.2	-2	3.99	3.46	113	-500
47776	432401.7	5406862.9	-20	2.9	54.7	0.67	-5	0.076	171	1.58	10.6	-5	10.1	-500	1.36	16.4	-2	4.12	-2	108	-500
47777	432401.6	5406831	-20	2.12	32.8	0.45	-5	0.061	164	1.95	10.4	-5	5.42	-500	1.26	11.1	4.34	2.75	-2	-100	-500
47778	432400.2	5406806.9	-20	0.84	56.2	0.62	-15	0.184	49.8	1.41	7.87	-5	15.5	-500	-1	18	-2	4.2	11.2	-100	-500
47779	432400.2	5406789	-20	1.31	57.1	0.39	-5	0.033	53.6	1.15	2.26	-5	5.74	-500	1.77	12.7	4.82	2.45	2.63	-100	-500
47781	432401.3	5406762.3	-20	1.01	34.4	0.35	-5	0.035	61.5	1.9	3.71	-5	4.24	-500	-1	11.5	6.8	2.26	2.22	-100	-500
47782	432401.2	5406736.9	-20	0.48	15.1	-0.2	-5	0.019	-20	2	3.44	-5	2.17	-500	-1	5.4	8.03	1.11	-2	-100	-500
47792	432800	5407486.4	-20	-0.2	2.8	-0.2	-5	-0.01	-20	0.72	0.83	-5	0.65	-500	-1	1.33	-2	1.07	-2	-100	-500
47793	432799.9	5407455.9	-20	-0.2	2.36	-0.2	-5	-0.01	-20	0.61	0.52	-5	0.47	-500	-1	0.76	-2	0.82	-2	-100	-500
47794	432798.5	5407430.4	-20	-0.2	4.14	-0.2	-5	-0.01	-20	0.82	0.71	-5	0.76	-500	-1	1.11	-2	0.8	-2	-100	-500
47795	432797.1	5407402.4	-20	-0.2	3.04	-0.2	-5	-0.01	-20	0.54	0.4	-5	0.55	-500	-1	0.77	-2	0.59	-2	-100	-500
47796	432794.5	5407377	-20	0.86	14.5	0.28	-5	0.056	45.6	2.62	4.65	-5	2.54	-500	-1	5.09	15.5	1.71	-2	-100	-500
47797	432795.7	5407351.5	-20	2.99	47.1	0.65	-5	0.143	183	5.84	9.28	-5	9	-500	-1	15	16.9	4.08	-2	221	-500
47798	432794.3	5407326.1	-20	1	26.6	0.57	-5	0.072	81.2	5.17	7.61	-5	5.35	-500	1.62	8.14	16.1	3.63	-2	-100	-500
47799	432794.2	5407303.2	-20	1.59	27.1	0.45	-5	0.117	128	6.31	13.7	-5	5.37	-500	1.39	15.1	11.9	2.9	-2	212	-500
47801	432795.4	5407281.5	-20	1.37	16.1	0.34	-5	0.11	95.3	7.31	12.6	-5	4.22	-500	1.64	10.6	7.77	2.4	-2	234	-500
47802	432795.3	5407252.2	-20	0.46	11.7	0.36	-5	0.087	25.8	4.67	6.78	-5	3.76	-500	1.1	4.37	10	2.43	-2	-100	-500
47803	432796.5	5407229.3	-20	2.74	47.4	0.49	-5	0.108	154	8.48	12.5	-5	7.94	-500	1.45	17.5	13.2	3.05	-2	107	-500
47804	432795.1	5407206.4	-20	3.15	56.5	0.56	-5	0.111	147	3.68	12.8	-5	9.49	-500	1.07	15.2	33.3	3.55	2.1	181	-500
47805	432796.3	5407178.4	-20	1.38	23.3	0.5	-5	0.073	61.9	2.44	6.17	-5	3.41	-500	1.35	6	15.1	3.03	-2	-100	-500
47806	432796.2	5407154.2	-20	3.28	73.9	0.52	-5	0.139	167	7.57	10.2	-5	15.9	-500	1.86	13.6	17.3	3.91	2.51	167	-500
47807	432796.1	5407126.2	-20	1.21	23.9	0.46	-5	0.048	63.7	6.37	6.84	-5	4.24	-500	1.47	7.25	20.4	2.85	-2	-100	-500
47808	432794.7	5407104.6	-20	2.29	47	0.55	-5	0.061	140	20.2	9.52	-5	6.77	-500	2	13.1	11.2	3.37	-2	126	-500

724098

SAMPLE	TEAST	TNORTH	IR_N	K_N	LA_N	LU_N	MO_N	NA_N	RB_N	SB_N	SC_N	SE_N	SM_N	SN_N	TA_N	TH_N	W_N	YB_N	U_N	ZN_N	ZR_N	
47809	432797.2	5407081.7	-20	2.95	43.4	0.5	-5	0.156	172	5.42	16.5	-5	7.73	-500	1.11	13.1	15.9	3.23	-2	180	-500	
47810	432795.8	5407058.8	-20	2.62	33.8	0.41	-5	0.15	188	4.86	16	-5	6.36	-500	1.41	10.4	6.57	2.7	-2	154	-500	
47811	432798.3	5407035.9	-20	2.67	40	0.46	-5	0.153	183	3.65	17.5	-5	6.97	-500	1.33	13.6	4.05	2.92	-2	177	-500	
47812	432796.9	5407007.9	-20	2.62	35.4	0.42	-5	0.118	171	2.85	16.9	-5	5.76	-500	-1	13.7	-2	2.58	-2	145	-500	
47813	432796.8	5406979.9	-20	2.22	35.7	0.39	-5	0.089	147	1.27	12.2	-5	6.08	-500	1.08	10.1	-2	2.52	-2	-100	-500	
47814	432798	5406953.1	-20	1.93	27	0.53	-5	0.064	104	1.31	5.96	-5	4.67	-500	1.26	11.9	-2	3.43	3.17	-100	-500	
47815	432797.9	5406932.8	-20	2.74	46.1	0.54	-5	0.075	151	1.37	8.2	-5	8.01	-500	1.44	14.7	2.13	3.42	-2	-100	-500	
47816	432796.5	5406907.3	-20	3.1	47.5	0.55	-5	0.102	179	13.8	9.14	-5	8.22	-500	1.06	14	3.04	3.58	-2	-100	-500	
47817	432796.4	5406881.9	-20	3.21	47.4	0.55	-5	0.123	172	3.63	9.47	-5	8.23	-500	1.53	13.9	3.16	3.69	-2	-100	-500	
47818	432795	5406852.6	-20	2.73	44.5	0.54	-5	0.091	147	3.07	9.69	-5	7.73	-500	1.5	13	2.53	3.37	-2	-100	-500	
47819	432796.2	5406833.5	-20	2.98	60	0.65	-5	0.102	147	3.33	8.6	-5	10.6	-500	1.23	20	-2	4.14	3.78	-100	-500	
47821	432796.1	5406806.8	-20	3.18	67.5	0.76	-5	0.122	153	2.21	9.93	-5	12.5	-500	2.17	19.3	-2	4.82	-2	101	-500	
47823	432795.9	5406754.6	-20	0.78	23.6	0.34	-5	0.04	33.2	0.85	4.47	-5	4.42	-500	-1	6.32	-2	2.19	-2	-100	-500	
47824	432793.3	5406734.2	-20	1.12	31.4	0.41	-5	0.053	57.6	0.94	8.36	-5	5.71	-500	1.25	8.33	2.85	2.68	-2	-100	-500	
47825	432794.5	5406710	-20	1.59	32.9	0.42	-5	0.062	83	0.83	7.95	-5	5.74	-500	-1	9.75	-2	2.74	-2	-100	-500	
47826	432795.7	5406688.4	-20	-0.2	5.25	-0.2	-5	0.015	-20	0.71	1.19	-5	1.03	-500	-1	1.85	2.12	1.34	-2	-100	-500	
47829	432794.1	5406612	-20	0.44	12.6	0.25	-5	0.028	22.6	1.09	3.69	-5	2.29	-500	-1	3.37	4.13	1.63	-2	-100	-500	
47839	433203.8	5407578	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47841	433207.5	5407552.5	-20	1.72	39.5	0.48	-5	0.082	111	4.53	8.83	-5	6.11	-500	1.11	10.8	11.2	3.04	-2	224	-500	
47842	433207.4	5407525.8	-20	1.79	44.1	0.69	-5	0.108	120	4.39	13.2	-5	10.3	-500	1.63	11.9	8.18	4.58	3.53	1020	-500	
47843	433207.3	5407501.6	-20	1.66	33.7	0.44	-5	0.084	115	4.09	10.6	-5	5.91	-500	1.3	10.6	5.75	2.86	2.54	332	-500	
47844	433211	5407477.4	-20	1.99	58.6	0.68	-5	0.103	115	3.3	12.2	-5	12.6	-500	-1	11.6	6.74	4.39	3.67	832	-500	
47845	433210.9	5407452	-20	1.75	39.8	0.51	-5	0.064	109	3.81	8.49	-5	6.95	-500	1.41	10.3	13	3.23	2.85	212	-500	
47846	433212.1	5407427.8	-20	1.63	34.3	0.44	-5	0.07	125	4.56	8.01	-5	5.98	-500	1.59	8.82	11	2.9	-2	196	-500	
47847	433213.3	5407404.9	-20	1.42	25.8	0.46	-5	0.058	98.6	4.44	6.97	-5	4.41	-500	1.61	8.57	10.9	2.93	-2	134	-500	
47848	433215.7	5407378.1	-20	1.58	81.5	0.75	-5	0.07	96.3	4.36	8.95	-5	14.5	-500	-1	10	8.06	4.84	3.68	818	-500	
47849	433216.9	5407351.4	-20	1.83	78.7	0.91	-10	0.077	117	4.13	11	-5	17.2	-500	1.82	12.1	8.27	5.78	5.4	907	-500	
47850	433219.3	5407327.2	-20	1.19	26.5	0.5	-5	0.089	100	4.13	6.61	-5	4.55	-500	2.06	8.16	12.7	3.36	-2	169	-500	
47851	433219.2	5407303	-20	1.41	23	0.53	-5	0.101	129	5.64	9.7	-5	4.51	-500	2.14	10.1	16.2	3.5	-2	173	-500	
47852	433221.7	5407278.9	-20	1.73	24.6	0.52	-5	0.152	154	8.51	12.8	-5	5.02	-500	1.7	14.2	15.5	3.38	-2	227	-500	
47853	433221.6	5407253.4	-20	1.94	26.8	0.54	-5	0.112	154	8.8	16.4	-5	5.46	-500	1.94	14.1	20.2	3.53	2.26	258	-500	
47854	433220.2	5407233	-20	2.19	28.8	0.45	-5	0.088	173	6.43	13.9	-5	5.04	-500	1.42	16.4	13.9	2.96	-2	220	-500	
47855	433221.4	5407205	-20	2.26	25.2	0.4	-5	0.08	161	6.92	12.5	-5	4.21	-500	1.12	17.2	16.8	2.77	-2	139	-500	

60000

SAMPLE	TEAST	TNORTH	IR_N	K_N	LA_N	LU_N	MO_N	NA_N	RB_N	SB_N	SC_N	SE_N	SM_N	SN_N	TA_N	TH_N	W_N	YB_N	U_N	ZN_N	ZR_N
47856	433221.3	5407183.4	-20	1.91	23.5	0.45	-5	0.094	153	6.33	13.1	-5	5.02	-500	2.16	16.6	15.8	2.87	-2	149	-500
47857	433225	5407157.9	-20	2.2	17.2	0.48	6.6	0.143	149	5.58	13.1	-5	3.92	-500	1.46	13.1	13.7	2.93	-2	130	619
47858	433223.6	5407132.5	-20	2.03	19.2	0.44	-5	0.152	151	5.68	11.3	-5	3.71	-500	1.15	11.6	13.4	2.94	-2	109	633
47859	433222.3	5407105.8	-20	2.02	23.9	0.43	-5	0.096	171	6.89	12.9	-5	4.03	-500	1.94	14.6	11.8	2.92	2.03	120	-500
47861	433224.7	5407079	-20	2.5	32.1	0.49	-5	0.067	173	10.1	13.2	-5	4.92	-500	-1	17.9	12.5	3.12	2.32	167	-500
47862	433224.6	5407054.8	-20	2.57	35.6	0.51	-5	0.102	184	11.7	14.5	-5	5.99	-500	2.18	14.2	13.5	3.33	-2	194	-500
47863	433223.2	5407031.9	-20	2.81	43.7	0.45	-5	0.052	186	11.5	15.6	-5	5.94	-500	1.19	14.7	35.2	2.93	-2	264	-500
47864	433225.7	5407005.2	-20	4.29	44.4	0.56	-5	0.064	230	5.88	13.6	-5	6.93	-500	1.5	21.3	14.8	3.71	-2	231	-500
47865	433226.8	5406973.4	-20	3.55	39.6	0.48	-5	0.045	190	11.4	10.2	-5	6.51	-500	1.11	14.5	10.4	3.14	3.85	155	-500
47866	433228	5406946.7	-20	3.03	40.8	0.51	-5	0.043	162	11.8	10.1	-5	6.27	-500	1.26	15.5	9.91	3.36	2.5	201	-500
47867	433227.9	5406925	-20	2.48	40.7	0.56	-5	0.046	159	15	9.08	-5	5.95	-500	1.12	16.5	10.3	3.43	2.07	182	-500
47868	433227.8	5406907.2	-20	3.4	37.6	0.52	-5	0.053	196	6.18	12	-5	5.96	-500	1.35	18.3	8.62	3.4	2.49	396	-500
47869	433229	5406880.5	-20	2.62	38	0.49	-5	0.079	157	11.5	13	-5	6.62	-500	1.6	15.3	5.09	2.97	2.17	224	-500
47870	433230.2	5406855	-20	2.31	36.1	0.41	-5	0.075	135	1.15	11.8	-5	5.8	-500	1.63	14.3	2.65	2.53	3.65	121	-500
47871	433230.1	5406833.4	-20	2.31	34.3	0.49	-5	0.075	154	1.01	8.65	-5	5.86	-500	1.41	11.3	-2	3.03	-2	-100	-500
47872	433230	5406811.7	-20	2	34.1	0.44	-5	0.038	111	0.85	8.29	-5	5.7	-500	-1	9.42	-2	2.86	-2	-100	-500
47873	433231.2	5406791.4	-20	2.4	38.5	0.46	-5	0.046	135	1.15	8.59	-5	6.24	-500	-1	11.3	-2	2.89	-2	-100	-500
47874	433232.4	5406774.8	-20	0.62	18.6	0.28	-5	0.035	32.9	1.83	4.32	-5	3.49	-500	-1	5.68	3.8	1.9	-2	-100	-500
47875	433601.5	5407928.3	-20	-0.2	3.85	-0.2	-5	-0.01	-20	1.04	1.01	-5	0.7	-500	-1	1.29	3.22	0.93	-2	-100	-500
47876	433605.2	5407902.8	-20	1.65	5.65	0.3	5.4	0.044	108	1.16	15.6	-5	0.93	-500	-1	7.56	-2	1.81	-2	-100	-500
47877	433606.4	5407879.9	-20	1.38	17.9	0.39	-5	0.081	81.9	1.29	21.4	-5	2.13	-500	1.52	10.8	-2	2.22	-2	113	-500
47878	433607.5	5407857	-20	0.37	4.29	0.26	-5	0.038	-20	1.1	8.81	-5	0.79	-500	1.37	3.99	-2	1.62	-2	-100	-500
47879	433610	5407826.4	-20	-0.2	3.43	-0.2	-5	0.025	-20	1.09	1.53	-5	0.66	-500	1.11	3.09	-2	1.23	-2	-100	-500
47881	433611.2	5407806.1	-20	-0.2	1.94	-0.2	-5	0.014	-20	1.02	1.06	-5	0.5	-500	-1	1.48	-2	1.08	-2	-100	-500
47882	433612.3	5407775.5	-20	-0.2	1.93	-0.2	-5	0.013	-20	0.75	0.91	-5	0.52	-500	-1	1.09	-2	0.97	-2	-100	-500
47883	433612.2	5407752.6	-20	-0.2	1.36	-0.2	-5	0.011	-20	0.64	0.66	-5	0.37	-500	-1	0.96	-2	0.78	-2	-100	-500
47901	433632.4	5407337.5	-20	-0.2	2.41	-0.2	-5	-0.01	-20	1.03	0.59	-5	0.53	-500	-1	1.06	-2	0.82	-2	-100	-500
47902	433632.3	5407312	-20	-0.2	2.34	-0.2	-5	-0.01	-20	1.08	0.7	-5	0.56	-500	-1	1.17	2.41	0.9	-2	-100	-500
47903	433633.5	5407290.3	-20	-0.2	4.22	-0.2	-5	0.011	-20	1.44	0.96	-5	0.86	-500	-1	1.6	3.21	1.05	-2	-100	-500
47904	433634.7	5407267.4	-20	-0.2	4.54	-0.2	-5	0.012	-20	1.53	0.92	-5	0.95	-500	-1	1.57	2.37	1.06	-2	-100	-500
47905	433634.6	5407238.1	-20	-0.2	4.22	-0.2	-5	0.017	-20	1.24	0.78	-5	0.84	-500	-1	1.37	2.28	1.02	-2	-100	-500
47906	433634.5	5407216.5	-20	-0.2	7.7	0.21	-5	-0.01	-20	2.05	1.1	-5	1.45	-500	-1	1.88	2.75	1.31	-2	-100	-500
47907	433636.9	5407189.7	-20	-0.2	5.57	-0.2	-5	-0.01	-20	0.96	0.63	-5	1.03	-500	-1	1.21	2.14	1.09	-2	-100	-500

724100

SAMPLE	TEAST	TNORTH	IR_N	K_N	LA_N	LU_N	MO_N	NA_N	RB_N	SB_N	SC_N	SE_N	SM_N	SN_N	TA_N	TH_N	W_N	YB_N	U_N	ZN_N	ZR_N
47908	433636.9	5407166.8	-20	1.2	16.3	0.3	-5	0.044	109	4.28	8.16	-5	2.65	-500	1.38	4.75	14.1	1.89	-2	107	-500
47909	433639.3	5407142.6	-20	1.38	25.2	0.35	-5	0.038	135	2.76	17.4	-5	4.37	-500	1.47	8.51	7.95	2.27	-2	144	-500
47910	433640.5	5407114.6	-20	2.93	37	0.42	-5	0.038	220	2.24	11.4	-5	6.14	-500	1.71	8.45	6.76	2.76	-2	-100	-500
47911	433641.6	5407086.6	-20	2.57	29.1	0.42	-5	0.037	179	2.88	9.34	-5	4.97	-500	1.28	8.07	12.9	2.61	-2	-100	-500
47912	433642.8	5407063.7	-20	3.06	39	0.52	-5	0.047	149	5.53	7.59	-5	6.28	-500	1.55	12.7	13.8	3.35	3.01	-100	-500
47913	433644	5407039.5	-20	2.79	44.2	0.69	-5	0.065	117	7.39	7.3	-5	7.84	-500	2.13	12.8	71.4	4.36	2.51	-100	-500
47914	433645.2	5407017.8	-20	2.38	19.8	0.55	9.1	0.137	141	3.79	9.22	-5	5.6	-500	1.42	11.8	11.3	3.73	2.11	300	-500
47915	433646.4	5406986	-20	2.16	23.3	0.55	5	0.11	139	5.9	10.1	-5	6.07	-500	1.83	14.1	14.2	3.57	-2	221	-500
47916	433648.8	5406966.9	-20	2.01	41.8	0.53	-5	0.044	125	6.82	7.11	-5	6.97	-500	1.68	13	21.8	3.24	-2	175	-500
47917	433648.7	5406938.9	-20	2.14	41.4	0.45	-5	0.033	128	12.1	7.78	-5	7.23	-500	1.79	13.2	30.6	3.1	-2	137	-500
47918	433649.9	5406917.2	-20	2.43	36.1	0.37	-5	0.036	150	8.89	9.69	-5	6.36	-500	1.22	16	20.4	2.73	-2	150	-500
47919	433649.9	5406893.1	-20	3.24	34.5	0.29	-5	0.04	172	8.97	12.1	-5	6.77	-500	1.67	14.2	30.6	2.21	-2	193	-500
47921	433652.3	5406871.4	-20	3.19	44	0.58	-5	0.031	160	15.7	10.8	-5	7.91	-500	1.11	11.3	13.3	3.68	2.12	179	-500
47922	433652.2	5406843.4	-20	2.34	35.3	0.39	-5	0.034	124	9.65	8.34	-5	6.04	-500	1.62	12.5	15.6	3.15	2.06	112	-500
47923	433653.4	5406819.2	-20	2.85	29.7	0.44	-5	0.044	149	11.9	10.1	-5	5.15	-500	1.28	10.4	12	2.82	-2	201	-500
47924	433655.8	5406793.7	-20	2.39	39.3	0.51	-5	0.043	132	24.7	8.83	-5	6.8	-500	1.49	20.9	16	3.15	2.26	157	-500
47925	433657	5406770.8	-20	1.78	36	0.46	-5	0.044	98.5	12.1	6.84	-5	5.97	-500	-1	10.4	12.3	2.75	-2	135	-500
47926	433658.2	5406746.6	-20	-0.2	7.32	-0.2	-5	0.013	-20	1.09	1.24	-5	1.27	-500	-1	1.96	2.79	1.04	-2	-100	-500
47927	433660.7	5406721.1	-20	0.24	16.9	0.24	-5	0.017	-20	1.63	1.96	-5	2.54	-500	-1	3.27	4.84	1.55	-2	-100	-500
47935	434046.1	5406881.5	-20	-0.2	4.94	-0.2	-5	0.011	-20	0.79	0.82	-5	0.95	-500	-1	1.43	-2	1.09	-2	-100	-500
47936	434043.7	5406908.3	-20	-0.2	6.47	-0.2	-5	0.015	-20	0.79	1	-5	1.22	-500	-1	1.68	2.01	1.2	-2	-100	-500
47937	434042.5	5406922.3	-20	2.19	33.7	0.4	-5	0.15	119	2.36	8.01	-5	5.28	-500	1.41	9.88	4.28	2.59	-2	102	-500
47938	434041.3	5406938.8	-20	2.57	35	0.45	-5	0.18	138	1.95	11.5	-5	5.62	-500	1.3	12.5	2.25	2.85	-2	211	-500
47939	434040.1	5406965.5	-20	0.26	13.2	0.22	-5	0.02	-20	1.09	1.72	-5	2.33	-500	-1	3.24	2.79	1.39	-2	-100	-500
47941	434037.7	5406993.5	-20	-0.2	10.5	-0.2	-5	0.013	-20	1	1.36	-5	2	-500	-1	2.54	2.67	1.35	-2	-100	-500
47942	434037.8	5407019	-20	-0.2	10.8	0.21	-5	0.014	-20	0.95	1.46	-5	2.05	-500	-1	2.7	2.14	1.4	-2	-100	-500
47943	434036.6	5407038.1	-20	-0.2	9.62	-0.2	-5	0.017	-20	1.02	1.67	-5	1.75	-500	-1	2.88	-2	1.23	-2	-100	-500
47944	434036.7	5407057.2	-20	0.37	14	0.26	-5	0.03	22.7	2.18	3.79	-5	2.56	-500	-1	5.48	4.2	1.73	-2	-100	-500
47945	434035.5	5407081.4	-20	2.33	45.7	0.42	-5	0.276	108	0.91	9.01	-5	7.16	-500	1.39	13	-2	2.7	-2	-100	-500
47946	434033	5407108.1	-20	2.36	44.4	0.44	-5	0.252	102	1.87	5.95	-5	6.73	-500	1.55	14.2	-2	2.68	-2	-100	-500
47947	434034.4	5407133.6	-20	1.81	44.5	0.49	-5	0.203	100	1.92	12.1	-5	8.58	-500	1.87	14.3	-2	3.19	-2	165	-500
47948	434032	5407157.7	-20	2.09	38.2	0.37	-5	0.237	89.2	5.09	7.47	-5	6.75	-500	1.58	10	-2	2.48	-2	-100	-500
47949	434030.8	5407178.1	-20	2.06	37.4	0.42	-5	0.242	97.9	2.61	7.28	-5	5.98	-500	1.34	11.4	-2	2.57	-2	-100	-500

124101

SAMPLE	TEAST	TNORTH	IR_N	K_N	LA_N	LU_N	MO_N	NA_N	RB_N	SB_N	SC_N	SE_N	SM_N	SN_N	TA_N	TH_N	W_N	YB_N	U_N	ZN_N	ZR_N
47950	434029.6	5407208.7	-20	2.53	38.5	0.41	-5	0.181	121	1.81	8.04	-5	6.12	-500	1.43	12.9	-2	2.63	-2	-100	-500
47951	434029.7	5407231.6	-20	2.58	43.6	0.47	-5	0.399	135	1.44	8.4	-5	7.15	-500	1.91	12.1	-2	2.74	-2	-100	-500
47952	434028.5	5407254.5	-20	1.97	32.1	0.38	-5	0.312	96.8	1.44	6.46	-5	5.05	-500	1.39	10.4	-2	2.47	-2	-100	-500
47953	434027.4	5407277.4	-20	2.19	41.6	0.44	-5	0.427	94.8	1.69	8.06	-5	6.55	-500	1.21	11.5	-2	2.57	-2	-100	-500
47954	434026.2	5407304.1	-20	2.31	34.3	0.37	-5	0.264	113	1.22	6.99	-5	5.23	-500	-1	11.7	-2	2.43	-2	-100	-500
47955	434026.3	5407327	-20	2.11	38	0.41	-5	0.251	103	1.79	7.95	-5	5.67	-500	1.44	11.7	-2	2.63	-2	-100	-500
47956	434025.1	5407352.5	-20	1.34	31.2	0.38	-5	0.148	61.8	1.37	6.13	-5	4.55	-500	1.44	9.83	-2	2.4	-2	-100	-500
47957	434022.7	5407374.1	-20	2.49	47.6	0.43	-5	0.162	129	0.94	10	-5	7.5	-500	1.93	12.4	-2	2.74	-2	-100	-500
47958	434021.5	5407400.8	-20	2.34	40.3	0.4	-5	0.117	134	1.05	11.9	-5	6.48	-500	1.82	14.1	-2	2.62	-2	113	-500
47959	434020.3	5407422.5	-20	1.74	39	0.36	-5	0.134	94.8	1.06	8.04	-5	6.03	-500	1.45	11	-2	2.41	-2	-100	-500
47961	434017.9	5407447.9	-20	0.55	16.8	0.26	-5	0.044	35.1	0.87	2.96	-5	3.13	-500	-1	4.14	-2	1.61	-2	-100	-500
47962	434020.5	5407468.3	-20	0.63	21.3	0.31	-5	0.062	47.5	1.09	3.79	-5	3.64	-500	-1	6.34	-2	1.99	-2	-100	-500
47963	434018.1	5407495	-20	0.51	18.5	0.26	-5	0.055	38.5	1.06	3.19	-5	3.04	-500	-1	5.56	-2	1.81	-2	-100	-500
47964	434016.9	5407519.2	-20	0.64	18.3	0.29	-5	0.071	50.9	1.2	4.08	-5	3.04	-500	1.09	6.03	-2	1.94	-2	-100	-500
47965	434014.5	5407544.7	-20	0.71	22.1	0.3	-5	0.082	57.1	1.37	4.59	-5	3.65	-500	1.26	6.89	-2	2.04	-2	-100	-500
47966	434015.8	5407563.8	-20	0.58	16.5	0.3	-5	0.059	27.6	1.33	3.2	-5	2.63	-500	-1	5.98	-2	1.89	-2	-100	-500
47967	434014.7	5407593	-20	0.38	14.9	0.26	-5	0.052	26.4	1.19	2.88	-5	2.56	-500	-1	5.12	-2	1.7	-2	-100	-500
47968	434012.2	5407613.4	-20	0.26	12.5	0.25	-5	0.038	-20	1.18	2.23	-5	2.07	-500	-1	4.32	-2	1.61	-2	-100	-500
47969	434011	5407638.9	-20	-0.2	11	0.28	-5	0.031	-20	1.17	2.15	-5	1.86	-500	-1	4.15	-2	1.75	-2	-100	-500
47970	434008.6	5407663	-20	1.47	20.2	0.23	-5	0.181	68.9	1.94	5.26	-5	3.16	-500	-1	8.02	-2	1.41	-2	-100	-500
48010	434381.1	5407486	-20	0.49	17.9	0.24	-5	0.045	24	1.11	2.93	-5	3.08	-500	-1	4.81	2.77	1.53	-2	-100	-500
48011	434378.4	5407480.6	-20	0.26	13.2	0.24	-5	0.027	-20	0.94	2.25	-5	2.32	-500	-1	3.93	2.14	1.49	-2	-100	-500
48012	434378.3	5407435.1	-20	0.81	18.7	0.25	-5	0.057	35.6	1.28	4.25	-5	3.23	-500	-1	5.52	2.74	1.68	-2	-100	-500
48013	434377	5407417.3	-20	1.18	23.7	0.26	-5	0.089	60	1.54	5.66	-5	4.22	-500	-1	7.18	2.65	1.71	-2	-100	-500
48014	434376.9	5407390.6	-20	1.25	36.3	0.38	-5	0.095	78.7	1.17	7.52	-5	6.13	-500	-1	9.25	-2	2.84	-2	148	-500
48015	434378.1	5407370.2	-20	1.34	39.9	0.54	-5	0.071	94.1	1.09	11.2	-5	8.91	-500	-1	10.1	-2	3.78	-2	244	-500
48016	434376.7	5407346	-20	2.7	30.9	0.38	-5	0.086	124	1.25	10.1	-5	5.13	-500	2.2	10.8	-2	2.77	2.2	125	-500
48017	434377.9	5407319.3	-20	1.24	21.9	0.34	-5	0.056	73.6	0.93	5.81	-5	3.71	-500	1.37	8.1	-2	2.32	-2	-100	-500
48018	434376.5	5407297.7	-20	2.39	31.9	0.36	-5	0.077	127	1.29	9.14	-5	5.28	-500	2.23	11.9	-2	2.54	-2	-100	-500
48019	434376.5	5407277.3	-20	2.08	27.8	0.37	-5	0.054	144	0.91	9.79	-5	4.45	-500	1.21	11.3	-2	2.53	-2	103	-500
48021	434375.1	5407245.5	-20	1.01	20.2	0.37	-5	0.05	58.2	1.13	5.37	-5	3.24	-500	1.08	6.78	-2	2.42	-2	-100	-500
48022	434373.7	5407223.8	-20	1.31	24.8	0.32	-5	0.089	75.2	1.4	6.03	-5	3.94	-500	1.19	7.98	-2	2.26	-2	-100	-500
48023	434372.4	5407199.7	-20	1.77	24	0.36	-5	0.11	116	1.79	8.55	-5	3.95	-500	1.33	11.5	2.2	2.44	-2	-100	-500

124102

SAMPLE	TEAST	TNORTH	IR_N	K_N	LA_N	LU_N	MO_N	NA_N	RB_N	SB_N	SC_N	SE_N	SM_N	SN_N	TA_N	TH_N	W_N	YB_N	U_N	ZN_N	ZR_N
48024	434373.6	5407180.6	-20	1.23	26.5	0.36	-5	0.104	57.2	1.91	5.15	-5	4.19	-500	1.64	8.86	2.34	2.36	-2	-100	-500
48025	434372.2	5407157.7	-20	0.71	18.7	0.31	-5	0.063	30.4	1.52	3.86	-5	3.07	-500	-1	6.89	-2	2.19	-2	-100	-500
48026	434369.6	5407128.4	-20	0.31	10.5	0.23	-5	0.032	-20	1.01	2.34	-5	1.86	-500	-1	4.08	-2	1.62	-2	-100	-500
48027	434369.5	5407105.5	-20	0.27	9.68	0.23	-5	0.027	-20	0.94	2.13	-5	1.69	-500	-1	3.72	2.31	1.64	-2	-100	-500
48028	434369.4	5407082.6	-20	-0.2	7.07	0.22	-5	0.017	-20	0.91	1.84	-5	1.42	-500	-1	3.08	2.25	1.51	-2	-100	-500
48029	434369.3	5407057.1	-20	-0.2	9.56	0.26	-5	0.019	-20	0.9	2.32	-5	2.34	-500	1.12	3.61	3.42	1.72	-2	-100	-500
48030	434368	5407034.2	-20	0.24	10.6	0.29	-5	0.028	-20	1.03	2.81	-5	2.02	-500	-1	3.99	10.8	1.88	-2	-100	-500
48031	434369.1	5407004.9	-20	2.59	45.4	0.44	-5	0.141	124	1.56	16.1	-5	8.55	-500	-1	12.5	3.8	2.71	-2	-100	-500
48032	434367.7	5406978.2	-20	0.83	15.5	0.22	-5	0.045	33.7	0.89	4.27	-5	2.75	-500	-1	3.67	2.48	1.52	-2	-100	-500
48033	434367.7	5406957.8	-20	0.38	10	-0.2	-5	0.021	-20	0.96	3.09	-5	1.76	-500	-1	3.34	-2	1.37	-2	-100	-500
48035	434368.8	5406914.5	-20	-0.2	6.84	-0.2	-5	0.015	-20	1.01	1.48	-5	1.52	-500	-1	2.27	2.65	1.35	-2	-100	-500
48057	435205.4	5407058.2	-20	-0.2	1.96	-0.2	-5	-0.01	-20	0.46	0.72	-5	0.49	-500	-1	1.09	-2	1.01	-2	-100	-500
48058	435203	5407084.9	-20	-0.2	3.23	-0.2	-5	0.014	-20	0.5	1.02	-5	0.73	-500	-1	1.57	-2	1.34	-2	-100	-500
48059	435204.3	5407109.1	-20	-0.2	3.93	0.24	-5	0.015	-20	0.57	1.54	-5	0.83	-500	1.06	2.39	-2	1.59	-2	-100	-500
48061	435203.2	5407137.1	-20	-0.2	3.46	0.2	-5	0.017	-20	0.56	1.24	-5	0.79	-500	-1	1.88	-2	1.4	-2	-100	-500
48062	435203.3	5407167.6	-20	-0.2	3.21	0.21	-5	0.016	-20	0.56	1.17	-5	0.75	-500	-1	1.68	-2	1.31	-2	-100	-500
48063	435202.1	5407190.5	-20	1.06	10.8	0.31	-5	0.199	74.1	1.52	19.3	-5	1.82	-500	-1	10.3	-2	2.13	-2	162	-500
48064	435202.2	5407210.9	-20	1.55	7.25	0.29	-5	0.168	99.4	1.34	17.7	-5	1.39	-500	1.15	7.51	-2	2	-2	-100	-500
48065	435201	5407233.8	-20	0.82	10.3	0.32	-5	0.179	68.9	1.23	15.1	-5	2.04	-500	1.46	6.56	-2	2.24	-2	-100	-500
48066	435197.3	5407258	-20	1.42	5.66	0.34	-5	0.066	87.8	1.33	32	-5	1.21	-500	1.05	12.6	-2	2.22	2.1	129	-500
48067	435198.6	5407282.2	-20	1.68	13	0.27	-5	0.238	96.6	1.76	20.7	-5	1.66	-500	1.29	9.5	-2	1.69	-2	155	-500
48068	435196.2	5407305.1	-20	2.91	5.14	0.28	-5	0.108	157	1.44	25.8	-5	0.83	-500	1.18	7.74	-2	2.09	-2	-100	-500
48069	435197.5	5407325.5	-20	1.83	25.4	0.36	-5	0.096	107	1.58	24.8	-5	3.98	-500	2.01	11	-2	2.44	-2	193	-500
48070	435196.4	5407358.5	-20	2.38	21.9	0.34	-5	0.065	122	3.15	21.4	-5	3.43	-500	1.35	9.86	2.89	2.18	-2	122	-500
48071	435195.2	5407385.3	-20	0.96	10.8	0.31	-5	0.053	63.4	1.88	12.8	-5	1.86	-500	1.87	6.53	2.73	2.18	-2	-100	-500
48072	435195.3	5407405.6	-20	1.71	13.3	0.26	-5	0.166	127	1.78	21.3	-5	1.54	-500	-1	7.44	-2	1.65	-2	112	-500
48073	435194.1	5407426	-20	1.71	12.6	0.26	-5	0.144	122	1.96	19.4	-5	1.66	-500	1.41	7.35	2.35	1.8	-2	-100	-500
48074	435193	5407452.7	-20	0.97	12.2	0.31	-5	0.076	73.1	1.82	10.9	-5	1.99	-500	1.91	7.1	3.07	2.22	2.23	-100	-500
48075	435191.8	5407480.7	-20	1.19	18.7	0.31	-5	0.033	111	2.93	18.3	-5	2.99	-500	1.08	14.1	-2	2.01	2.99	114	563
48076	435191.9	5407503.6	-20	0.41	10	0.33	-5	0.034	28.6	2.04	7.08	-5	1.93	-500	1.17	6.74	2.49	2.29	-2	-100	-500
48077	435189.5	5407529.1	-20	1.25	10.8	0.39	-5	0.038	71.1	2.01	12	-5	1.9	-500	2	8.1	-2	2.65	-2	-100	-500
48078	435189.6	5407554.6	-20	1.31	12.3	0.34	-5	0.039	103	2.59	15	-5	2.03	-500	1.23	10.4	-2	2.41	2.03	105	-500
48079	435188.4	5407582.6	-20	2.35	17.1	0.34	-5	0.048	129	3.39	19.2	-5	3.02	-500	1.4	9.71	-2	2.4	-2	160	-500

SAMPLE	TEAST	TNORTH	IR_N	K_N	LA_N	LU_N	MO_N	NA_N	RB_N	SB_N	SC_N	SE_N	SM_N	SN_N	TA_N	TH_N	W_N	YB_N	U_N	ZN_N	ZR_N
48081	435188.5	5407605.5	-20	2.42	13	0.31	-5	0.043	131	2.88	20.7	-5	2.23	-500	1.53	9.93	-2	2.41	-2	157	-500
48082	435188.6	5407629.7	-20	1.99	18.2	0.29	-5	0.042	127	2.48	18.3	-5	2.66	-500	1.56	10.2	-2	2.1	-2	128	-500
48083	435188.7	5407657.7	-20	1.34	27.1	0.3	-5	0.034	106	2.54	15.6	-5	3.55	-500	-1	14.2	-2	1.97	-2	105	-500
48084	435190	5407680.6	-20	0.64	12.3	0.29	-5	0.044	61.3	1.76	7.96	-5	1.94	-500	1.38	6.96	-2	2.06	-2	-100	-500
48085	435188.9	5407702.2	-20	0.86	17	0.24	-5	0.084	52.8	1.21	6.4	-5	2.48	-500	-1	6.67	-2	1.47	-2	-100	-500
48105	435598.1	5408227.8	-20	-0.2	2.66	-0.2	-5	0.019	-20	0.49	1.31	-5	0.62	-500	-1	1.72	-2	1.14	-2	-100	-500
48106	435599.3	5408202.3	-20	-0.2	2.7	-0.2	-5	0.017	-20	0.52	1.61	-5	0.62	-500	-1	1.92	-2	1.23	-2	-100	-500
48107	435599.2	5408180.7	-20	-0.2	2.51	-0.2	-5	0.01	-20	0.66	1.11	-5	0.61	-500	-1	1.36	-2	1.02	-2	-100	-500
48108	435597.9	5408157.8	-20	-0.2	2.83	0.23	-5	0.021	-20	0.54	5.71	-5	0.66	-500	-1	3.92	-2	1.64	-2	-100	-500
48109	435596.5	5408132.3	-20	-0.2	2.34	-0.2	-5	0.021	-20	0.47	1.54	-5	0.56	-500	-1	1.7	-2	0.96	-2	-100	-500
48110	435598.9	5408104.3	-20	0.73	6.44	0.3	-5	0.035	50.4	0.83	10.4	-5	1.21	-500	-1	6.59	-2	1.88	-2	-100	-500
48111	435597.6	5408078.9	-20	0.6	11.2	0.35	-5	0.025	66.2	0.74	14.2	-5	1.39	-500	1.52	8.44	-2	2.3	-2	-100	-500
48112	435597.5	5408054.7	-20	1.15	7.72	0.33	-5	0.059	71.9	0.98	19.3	-5	1.13	-500	1.65	11.6	-2	2.32	-2	104	-500
48113	435597.4	5408027.9	-20	1.29	3.89	0.3	-5	0.032	93.9	0.59	19.5	-5	0.87	-500	1.04	9.6	-2	2.13	-2	160	-500
48114	435598.6	5408003.8	-20	2.17	3.96	0.34	-5	0.034	140	0.87	22.3	-5	0.99	-500	1.33	9.17	-2	2.26	-2	124	-500
48115	435599.7	5407978.3	-20	0.94	10.1	0.35	-5	0.056	77.6	0.6	17.3	-5	2.03	-500	1.97	8.72	-2	2.38	-2	135	-500
48116	435598.4	5407952.8	-20	1.82	22.8	0.32	-5	0.044	107	1.51	17	-5	3.14	-500	-1	8.74	-2	2.25	-2	-100	-500
48117	435599.5	5407927.4	-20	0.9	14.1	0.33	-5	0.03	58.7	1.38	16.9	-5	2.02	-500	1.23	10.8	2.03	2.25	-2	114	-500
48118	435598.2	5407904.5	-20	-0.2	5.58	0.21	-5	0.017	-20	0.64	4.37	-5	1.03	-500	1.11	2.99	-2	1.41	-2	-100	-500
48121	435596.7	5407853.6	-20	1.07	28.7	0.28	-5	0.47	70.1	0.97	8.96	-5	3.98	-500	-1	7.62	-2	1.84	-2	-100	-500
48123	435597.8	5407805.2	-20	0.88	33.3	0.32	-5	0.154	68.6	0.76	10.5	-5	4.95	-500	-1	8	-2	2.19	-2	-100	-500
48124	435599	5407788.7	-20	0.63	19.1	0.22	-5	0.102	38.4	0.73	5.45	-5	3.08	-500	-1	5.19	-2	1.55	-2	-100	-500
48125	435598.9	5407759.4	-20	0.81	19.8	0.31	-5	0.086	57.1	0.9	7.34	-5	3.1	-500	1.12	7.53	-2	2.13	-2	-100	-500
48126	435600	5407731.4	-20	0.34	14.6	0.28	-5	0.042	25.7	0.77	4.45	-5	2.27	-500	1.21	4.81	-2	1.87	-2	-100	-500
48127	435598.7	5407705.9	-20	-0.2	8.97	0.3	-5	0.018	-20	0.93	3.78	-5	1.66	-500	1.1	5.7	-2	2.07	-2	-100	-500
48128	435598.6	5407677.9	-20	-0.2	12.7	0.5	-5	0.022	-20	1.38	5.14	-5	2.27	-500	2.17	8.58	3.27	3.37	2.46	-100	-500
48129	435598.5	5407655	-20	-0.2	2.69	0.25	-5	0.018	-20	0.67	1.78	-5	0.71	-500	-1	2.42	-2	1.69	-2	-100	-500
48150	435594.1	5407157.3	-20	-0.2	3.63	0.27	-5	0.027	-20	0.6	3.16	-5	0.85	-500	1.16	3.88	2.39	1.86	-2	-100	-500
48151	435592.7	5407131.9	-20	-0.2	3.29	0.24	-5	0.025	-20	0.52	2.75	-5	0.73	-500	1.36	3.34	-2	1.64	-2	-100	-500
48152	435592.6	5407107.7	-20	1.56	25.5	0.31	-5	0.05	103	2.67	19.8	-5	3.84	-500	-1	9.7	2.59	2.34	-2	156	-500
48153	435592.5	5407081	-20	1.19	56	0.39	-5	0.028	80.7	0.64	21	-5	6.27	-500	1.39	15.8	-2	2.36	2.34	262	524
48154	435591.2	5407054.2	-20	1.48	17	0.32	-5	0.071	94.6	0.66	16.1	-5	2.22	-500	1.6	11	-2	2.33	-2	152	-500
48155	435591.1	5407035.2	-20	2.04	13	0.38	-5	0.132	117	0.42	18.3	-5	1.79	-500	1.07	12.5	-2	2.78	3.21	141	-500

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SAMPLE	TEAST	TNORTH	IR_N	K_N	LA_N	LU_N	MO_N	NA_N	RB_N	SB_N	SC_N	SE_N	SM_N	SN_N	TA_N	TH_N	W_N	YB_N	U_N	ZN_N	ZR_N
48156	435592.3	5407009.7	-20	1.94	12.2	0.36	-5	0.224	104	0.41	22.1	-5	1.87	-500	1.49	10.7	-2	2.63	2.33	117	-500
48157	435592.2	5406984.2	-20	1.81	16.2	0.32	-5	0.543	89.4	0.78	21.2	-5	2.19	-500	1.59	8.36	2.31	2.1	-2	124	-500
48158	435593.3	5406957.5	-20	1.49	16.6	0.28	-5	0.769	93.7	0.71	24.2	-5	2.88	-500	2.14	6.9	-2	2.02	-2	118	-500
48159	435592	5406932.1	-20	1.05	23.6	0.34	-5	0.295	78.2	0.73	24.6	-5	4.24	-500	1.41	14.5	-2	2.5	2.37	182	-500
48161	435590.6	5406910.4	-20	2.02	19.7	0.34	-5	0.582	138	0.72	17.3	-5	2.74	-500	1.17	8.85	-2	2.41	-2	152	-500
48162	435590.5	5406887.5	-20	1.68	27.6	0.38	-5	0.495	91.9	0.76	19.9	-5	5.09	-500	1.63	9.46	-2	2.65	-2	126	-500
48166	435593.9	5406785.7	-20	1.25	25.2	0.32	-5	0.397	96.3	1.16	25	-5	4.59	-500	-1	8.04	-2	2.27	-2	137	-500
48167	435592.6	5406762.8	-20	1.82	32	0.39	-5	0.658	95.4	1.02	21.4	-5	5.41	-500	1.84	12.8	-2	2.78	-2	-100	-500
48169	435592.4	5406710.6	-20	0.92	19.1	0.28	-5	0.764	61.3	3.39	21.1	-5	3.55	-500	-1	4.54	-2	2.15	-2	309	-500
48170	435594.8	5406685.1	-20	0.99	17.5	0.28	-5	0.796	90.7	3.2	22.2	-5	2.85	-500	-1	3.88	-2	2.14	-2	549	-500
48171	435594.7	5406660.9	-20	0.79	15.4	0.24	-5	0.724	61.1	3.32	24.2	-5	2.59	-500	-1	3.35	-2	1.78	-2	502	-500
48172	435597.2	5406636.8	-20	0.81	15	0.24	-5	0.802	84.7	3.34	32.4	-5	2.62	-500	1.4	3.18	-2	1.91	-2	638	-500
48173	435595.8	5406610	-20	0.91	17.9	0.29	-5	0.802	81.8	1.89	23.7	-5	3.18	-500	-1	4.33	-2	2.03	-2	546	-500
48174	435594.4	5406585.9	-20	1.31	31.6	0.41	-5	0.22	86.8	1.14	15.7	-5	6.26	-500	-1	8.91	-2	2.74	-2	205	-500
48175	435594.3	5406556.6	-20	1.65	22.6	0.32	-5	0.253	119	1.42	16.3	-5	3.6	-500	-1	10.1	-2	2.55	-2	103	-500
48177	435595.4	5406512	-20	1.98	29.2	0.38	-5	0.092	126	0.89	15.8	-5	4.5	-500	2.15	13	-2	2.69	-2	129	-500
48178	435596.6	5406489.1	-20	0.31	3.41	-0.2	-5	0.227	117	-0.2	0.68	-5	0.5	-500	-1	1.29	-2	-0.5	-2	-100	-500
48183	435596.2	5406391.1	-20	2.01	32.7	0.33	-5	0.197	120	2.16	6.83	-5	5	-500	1.19	11.3	-2	2.31	-2	-100	-500
48186	435595.9	5406317.3	-20	0.58	26	0.28	-5	0.06	58.5	1.93	7.49	-5	5.53	-500	-1	16.7	-2	1.89	3.1	129	-500
48187	435595.8	5406289.3	-20	0.4	24.9	0.3	-5	0.046	-20	1.19	2.94	-5	2.8	-500	1.66	5.57	-2	1.93	-2	-100	-500
48204	434799.8	5407849.9	-20	0.87	11.9	0.39	-5	0.048	88.8	2.45	15.2	-5	2.12	-500	1.68	9.57	-2	2.67	-2	-100	-500
48205	434799.7	5407824.5	-20	1.39	16	0.38	-5	0.078	119	2.63	15.4	-5	2.86	-500	1.96	11.1	-2	2.72	-2	-100	528
48206	434799.7	5407804.1	-20	1.39	9.27	0.33	-5	0.065	116	2.71	16.1	-5	1.71	-500	1.48	9.02	-2	2.28	-2	102	-500
48207	434800.8	5407782.5	-20	1.29	10.4	0.31	-5	0.139	104	2.46	14.8	-5	1.62	-500	1.44	13.2	-2	2.26	2.59	116	-500
48208	434802	5407755.8	-20	0.71	10.5	0.31	-5	0.315	70.7	1.87	14.9	-5	1.8	-500	1.36	6.63	-2	2.14	-2	-100	-500
48209	434800.7	5407734.1	-20	0.64	8.77	0.25	-5	0.567	81.4	2.06	25.3	-5	1.6	-500	-1	6.01	-2	1.56	-2	172	-500
48210	434798	5407703.6	-20	0.95	10.3	-0.2	-5	0.7	63.9	2.54	30.2	-5	1.95	-500	1.73	3.34	-2	1.17	-2	186	-500
48211	434801.7	5407681.9	-20	1	8.42	0.24	-5	1.07	65.3	2.28	28.7	-5	1.65	-500	-1	3.1	-2	1.45	-2	161	-500
48212	434800.4	5407660.3	-20	1.64	6.77	0.22	-5	0.215	90.8	1.04	31.1	-5	1.32	-500	-1	3.95	-2	1.45	-2	188	-500
48213	434799	5407634.8	-20	0.76	12.7	0.26	-5	0.079	60.9	1.04	25.9	-5	2.26	-500	1	5.81	-2	1.65	-2	162	-500
48214	434801.4	5407604.3	-20	0.87	28.3	0.36	-5	0.056	60.9	0.86	8.33	-5	4.89	-500	1.53	8.81	-2	2.54	-2	-100	-500
48215	434801.4	5407587.8	-20	1.93	20.9	0.35	-5	0.09	136	1.12	17.8	-5	3.49	-500	1	19.5	-2	2.4	3.25	145	-500
48216	434802.6	5407564.8	-20	2.16	39.5	0.37	-5	0.08	126	1.18	11.2	-5	6.6	-500	1.63	12.7	-2	2.72	-2	117	-500

124103

SAMPLE	TEAST	TNORTH	IR_N	K_N	LA_N	LU_N	MO_N	NA_N	RB_N	SB_N	SC_N	SE_N	SM_N	SN_N	TA_N	TH_N	W_N	YB_N	U_N	ZN_N	ZR_N
48217	434799.9	5407541.9	-20	2.47	47.8	0.42	-5	0.046	118	0.85	11.8	-5	7.65	-500	1.61	14.1	-2	2.88	-2	175	-500
48218	434799.8	5407513.9	-20	2.31	50.3	0.44	-5	0.083	130	1.09	10.9	-5	7.7	-500	2.12	13.9	-2	2.86	2.84	139	-500
48219	434801	5407483.4	-20	2.22	42.4	0.39	-5	0.074	112	1.46	9.38	-5	6.63	-500	1.09	12.1	-2	2.48	-2	153	-500
48221	434799.6	5407459.2	-20	2.69	43.1	0.37	-5	0.069	139	1.92	10.8	-5	6.74	-500	1.79	14.8	-2	2.54	2.49	153	-500
48222	434799.5	5407432.5	-20	2.85	48.9	0.45	-5	0.067	136	2.17	11.5	-5	7.94	-500	1.63	14.2	-2	3.11	-2	148	-500
48223	434802	5407408.3	-20	2.75	37.5	0.38	-5	0.069	153	1.42	10.2	-5	5.98	-500	1.65	15.7	-2	2.65	2.66	134	-500
48224	434801.9	5407382.8	-20	2.76	43.1	0.41	-5	0.055	154	1.18	12.1	-5	6.7	-500	1.36	14.6	-2	2.84	2.2	155	-500
48225	434801.8	5407359.9	-20	2.38	42.1	0.41	-5	0.038	151	1.42	13	-5	6.71	-500	1.28	16.5	-2	2.81	2.47	148	-500
48226	434801.7	5407334.5	-20	2.35	42.5	0.45	-5	0.119	165	1.92	11.7	-5	7.03	-500	1.79	15.1	-2	3	3.42	115	-500
48227	434800.3	5407305.2	-20	0.49	14.4	0.35	-5	0.035	20.2	1	4.14	-5	2.44	-500	1.29	6.73	-2	2.44	2.57	-100	-500
48228	434800.2	5407283.6	-20	2.44	38.6	0.43	-5	0.087	139	1.26	10.8	-5	6.33	-500	1.1	12.3	-2	3.04	2.68	-100	-500
48229	434798.9	5407258.1	-20	1.7	25.3	0.37	-5	0.059	101	1.29	7.07	-5	4.21	-500	1.37	9.57	-2	2.38	-2	-100	-500
48230	434801.3	5407236.5	-20	-0.2	4.38	0.25	-5	0.023	-20	0.9	2.15	-5	0.93	-500	1.27	4.04	2.03	1.68	-2	-100	-500
48234	435998.9	5408178	-20	2.1	40	0.3	-5	0.236	89.7	0.48	20	-5	5.33	-500	-1	10	-2	2.07	-2	-100	-500
48235	436001.3	5408148.8	-20	1.11	16.2	0.34	-5	0.16	74.3	0.6	14	-5	2.61	-500	1.43	8.74	-2	2.24	2.53	-100	-500
48236	436003.8	5408123.3	-20	1.74	19.7	0.3	-5	0.219	74	0.59	17.2	-5	3.22	-500	1.02	10.1	-2	2.11	2.34	-100	-500
48237	436003.7	5408102.9	-20	1.17	8.27	0.31	-5	0.085	66.3	0.63	14.4	-5	1.58	-500	1.51	13.5	-2	2.15	-2	-100	-500
48238	436004.8	5408076.2	-20	-0.2	7.05	0.3	-5	0.025	22.3	0.66	9.65	-5	1.29	-500	1.65	15.4	-2	2.02	-2	-100	-500
48239	436006	5408053.3	-20	-0.2	3.2	0.21	-5	0.021	-20	0.43	2.26	-5	0.73	-500	-1	2.86	-2	1.41	-2	-100	-500
48242	436005.8	5408001.1	-20	-0.2	3.99	-0.2	-5	0.012	-20	0.51	0.72	-5	0.94	-500	-1	1.28	-2	1.04	-2	-100	-500
48244	436010.7	5407954	-20	1.6	8.87	0.25	-5	0.024	122	0.71	10	-5	1.4	-500	-1	4.13	-2	1.48	-2	-100	-500
48245	436011.9	5407931.1	-20	-0.2	4.83	0.23	-5	0.015	-20	0.59	3.48	-5	1.15	-500	-1	3.48	-2	1.51	-2	-100	-500
48246	436010.5	5407905.6	-20	0.74	5.73	0.28	-5	0.028	77.2	0.67	13.9	-5	1.18	-500	-1	6.93	-2	1.78	-2	-100	-500
48247	436009.2	5407877.6	-20	1.56	7.36	0.32	-5	0.072	114	0.54	13.7	-5	1.51	-500	-1	7.76	-2	1.98	2.33	-100	-500
48249	436010.2	5407824.2	-20	0.24	5.42	0.29	-5	0.026	-20	0.44	5.99	-5	1.21	-500	1.26	5.1	-2	1.92	-2	-100	-500
48250	436011.4	5407802.5	-20	1.29	7	0.31	-5	0.058	79.3	0.32	14.8	-5	1.54	-500	1.18	9.49	-2	2.19	-2	-100	-500
48251	436012.6	5407778.4	-20	1.69	11.8	0.33	-5	0.428	117	0.44	18.3	-5	2.41	-500	1.39	11.4	-2	2.34	2.55	115	-500
48252	436015	5407756.7	-20	1.31	17.2	0.38	-5	0.584	91.9	0.96	21.2	-5	3.11	-500	2.9	10.1	-2	2.51	-2	124	-500
48253	436013.7	5407731.3	-20	1.28	14.3	0.41	-5	0.387	92.3	1.09	21.8	-5	2.63	-500	1.82	10	-2	2.71	-2	118	-500
48254	436011	5407702	-20	1.59	19.9	0.33	-5	0.341	92.1	0.76	14	-5	3.46	-500	1.57	11.1	-2	2.24	-2	161	-500
48255	436013.5	5407681.6	-20	1.26	22.6	0.29	-5	0.471	69.3	1.22	10.2	-5	4.47	-500	-1	7.83	-2	2.11	2.22	-100	-500
48256	436014.6	5407654.9	-20	1.35	48.2	0.48	-5	0.042	91.7	5.14	24.5	-5	7.75	-500	1.16	15.6	-2	3.31	-2	131	-500
48257	436015.8	5407630.7	-20	-0.2	6.26	0.27	-5	0.025	-20	0.65	2.43	-5	1.23	-500	1.07	3.64	-2	1.8	-2	-100	-500

1224106

SAMPLE	TEAST	TNORTH	IR_N	K_N	LA_N	LU_N	MO_N	NA_N	RB_N	SB_N	SC_N	SE_N	SM_N	SN_N	TA_N	TH_N	W_N	YB_N	U_N	ZN_N	ZR_N
48258	436015.7	5407602.7	-20	0.97	21.3	0.28	-5	0.145	79.1	0.76	9.01	-5	3.17	-500	-1	6.95	-2	2	-2	-100	-500
48259	436016.9	5407578.5	-20	1.02	21.9	0.38	-5	0.165	73.1	0.76	17.1	-5	4.63	-500	-1	11	-2	2.58	-2	210	-500
48261	436018	5407554.3	-20	0.63	18.8	0.37	-5	0.22	32.7	0.57	15.2	-5	3.48	-500	1.5	9.76	-2	2.59	-2	104	-500
48262	436017.9	5407528.9	-20	0.45	26.4	0.54	-5	0.093	-20	0.82	32.9	-5	5.02	-500	1.98	14.7	-2	3.72	4.39	157	-500
48263	436016.6	5407504.7	-20	0.57	14.5	0.36	-5	0.09	47.1	0.85	21.5	-5	2.23	-500	1.38	11.4	-2	2.58	-2	-100	580
48264	436020.3	5407474.2	-20	-0.2	11.8	0.37	-5	0.066	42.3	0.67	46.7	-5	2.11	-500	2.02	11.7	-2	2.6	-2	174	-500
48265	436021.4	5407451.3	-20	0.98	21.9	0.34	-5	0.114	70.3	1.04	11.1	-5	3.96	-500	1	8.83	-2	2.33	-2	-100	-500
48266	436022.6	5407425.8	-20	0.52	12.1	0.34	-5	0.046	-20	1.03	5.32	-5	2.06	-500	1.03	6.8	-2	2.25	-2	-100	-500
48268	436027.5	5407372.3	-20	-0.2	6.6	0.2	-5	0.016	-20	0.73	1.27	-5	1.26	-500	-1	2.18	-2	1.39	-2	-100	-500
48270	436029.8	5407331.6	-20	2.11	52.1	0.38	-5	0.052	118	0.74	21.5	-5	6.79	-500	1.38	9.21	-2	2.4	-2	-100	-500
48271	436031	5407304.9	-20	2.85	30	0.35	-5	0.171	132	0.86	22.9	-5	4.97	-500	1.51	13.2	-2	2.66	-2	127	-500
48272	436032.2	5407280.7	-20	3.05	40	0.44	-5	0.214	147	1.42	20	-5	6.53	-500	1.96	16.5	-2	3.08	-2	147	-500
48273	436033.3	5407250.1	-20	2.92	56.5	0.47	-5	0.17	141	1.69	11.9	-5	7.95	-500	2.11	16.5	-2	3.33	-2	213	-500
48274	436033.3	5407228.5	-20	2.38	40.8	0.39	-5	0.109	120	1.91	10.8	-5	6.04	-500	-1	13.4	-2	2.57	-2	-100	-500
48276	436031.8	5407175	-20	2.56	47.9	0.44	-5	0.167	142	2.32	14.1	-5	9.17	-500	1.52	17.5	-2	3.17	-2	105	-500
48277	436031.7	5407153.4	-20	2.33	43.1	0.43	-5	0.149	132	2.38	10.9	-5	6.49	-500	1.34	13.1	-2	2.84	-2	-100	-500
48278	436031.6	5407125.4	-20	3.25	50.8	0.41	-5	0.133	142	2.39	11.2	-5	7.71	-500	1.79	13.3	-2	2.68	-2	-100	-500
48279	436030.3	5407105	-20	2.58	51.4	0.44	-5	0.258	144	1.38	19.8	-5	9.85	-500	-1	15.4	-2	3.02	2.14	218	-500
48281	436030.2	5407080.9	-20	2.1	89.5	0.44	-5	0.231	143	1.26	18.1	-5	9.76	-500	1.37	18.8	-2	2.97	-2	170	541
48282	436031.3	5407051.6	-20	2.2	39.7	0.42	-5	0.13	116	0.71	8.95	-5	6.41	-500	1.4	12.3	-2	2.95	-2	-100	-500
48283	436030	5407030	-20	1.18	34.5	0.25	-5	0.069	62.4	1.83	3.77	-5	5.56	-500	-1	10.2	-2	1.66	-2	-100	-500
48285	436028.5	5406981.6	-20	-0.2	3.26	-0.2	-5	0.026	-20	0.67	0.86	-5	0.66	-500	-1	1.35	-2	1.13	-2	-100	-500
48287	436398.9	5408250.5	-20	1.12	20.9	0.33	-5	0.133	100	0.66	18	-5	2.56	-500	1.4	13.5	-2	2.14	-2	105	-500
48288	436398.8	5408226.3	-20	1.22	14.6	0.34	-5	0.308	116	0.63	20.9	-5	1.88	-500	2.2	12.6	-2	2.36	-2	105	-500
48289	436394.8	5408179.2	-20	1.08	13.9	0.36	-5	0.261	69	0.41	16.8	-5	1.84	-500	2.02	11.9	-2	2.43	4.16	-100	505
48290	436394.7	5408155	-20	0.82	15	0.39	-5	0.487	63.8	0.54	21.7	-5	1.89	-500	2.66	14.3	-2	2.55	3.31	105	505
48291	436394.6	5408127	-20	1.24	18.5	0.34	-5	0.628	65.7	0.75	26.3	-5	2.31	-500	2.06	12.4	-2	2.35	3.19	139	-500
48292	436393.3	5408104.1	-20	1.96	23	0.38	-5	0.985	80.5	0.51	21.1	-5	2.91	-500	2.08	12.9	-2	2.52	3.03	109	-500
48293	436391.9	5408078.6	-20	1.43	18.9	0.34	-5	1.19	74.9	0.47	19	-5	2.09	-500	2.38	12.5	-2	2.29	3.67	118	-500
48294	436393.1	5408057	-20	1.29	17.3	0.36	-5	1.38	57.7	0.56	17.7	-5	1.99	-500	1.72	12.8	-2	2.17	3.2	119	-500
48295	436391.7	5408030.3	-20	0.72	21.3	0.33	-5	1.3	46.1	0.34	25.4	-5	2.56	-500	1.92	11.5	-2	2.42	2.67	116	-500
48296	436391.5	5407976.8	-20	2.28	11	0.31	-5	2.91	79.5	0.25	15.4	-5	1.62	-500	2.17	9.31	-2	2.09	-2	-100	-500
48297	436392.7	5407953.9	-20	1.98	8.92	0.37	-5	2.53	65.8	0.38	17.5	-5	1.55	-500	1.54	11.6	-2	2.41	-2	147	-500

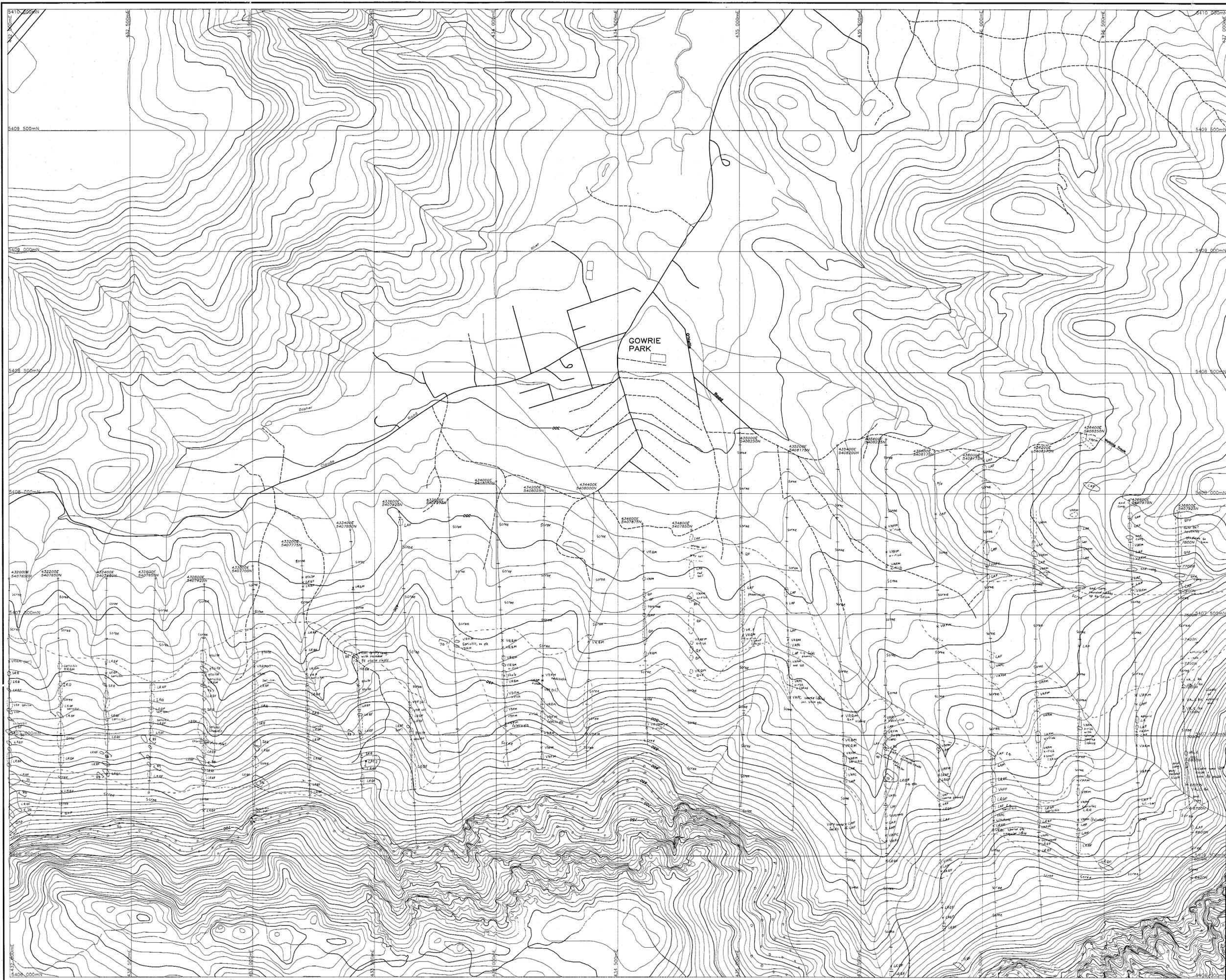
201107

SAMPLE	TEAST	TNORTH	IR_N	K_N	LA_N	LU_N	MO_N	NA_N	RB_N	SB_N	SC_N	SE_N	SM_N	SN_N	TA_N	TH_N	W_N	YB_N	U_N	ZN_N	ZR_N
48298	436391.3	5407929.7	-20	1.86	30.3	0.39	-5	3.4	74.9	-0.2	18.9	-5	5.73	-500	2.35	11.6	-2	2.53	-2	169	-500
48299	436392.5	5407901.7	-20	1.82	16.2	0.32	-5	3.26	63.4	-0.2	17.4	-5	2.67	-500	-1	9.65	-2	2.14	-2	-100	-500
48301	436389.9	5407878.8	-20	2.29	11.7	0.29	-5	3.19	68.1	-0.2	12.5	-5	1.8	-500	1.79	7.74	-2	1.97	2	-100	-500
48302	436388.5	5407853.4	-20	2.46	11.9	0.23	-5	1.51	125	-0.2	20.2	-5	1.66	-500	1.68	9.59	-2	1.58	-2	137	-500
48303	436388.4	5407827.9	-20	1.64	17.1	0.37	-5	1.1	86.8	-0.2	25.2	-5	2.04	-500	1.05	11.1	-2	2.1	2.19	135	511
48304	436388.3	5407802.5	-20	2.53	22.3	0.28	-5	1.02	107	-0.2	24.4	-5	2.9	-500	1.52	11.7	-2	1.8	-2	120	-500
48305	436388.2	5407780.8	-20	2.86	26	0.28	-5	0.988	232	0.93	19	-5	3.26	-500	-1	9.93	-2	1.78	3.71	-100	-500
48306	436386.9	5407755.4	-20	3.32	10.2	0.25	-5	0.126	256	0.35	18.6	-5	1.36	-500	1.47	9.25	-2	1.61	2.9	-100	-500
48307	436385.5	5407731.2	-20	2.16	14.2	0.3	-5	0.206	143	0.55	34.7	-5	2.78	-500	1.45	9.93	-2	1.76	-2	145	-500
48308	436386.7	5407701.9	-20	2.58	16.8	0.28	-5	0.139	198	0.44	26.4	-5	3.01	-500	1.45	11.8	-2	1.93	3.37	133	-500
48309	436387.9	5407679	-20	1.87	21.7	0.33	-5	0.206	153	0.44	21.3	-5	2.65	-500	1.62	11.7	-2	2.2	2.13	-100	-500
48310	436387.8	5407654.8	-20	1.47	29.9	0.39	-5	0.273	128	0.51	16.8	-5	3.33	-500	1.22	11.3	-2	2.3	2.75	-100	-500
48311	436388.9	5407631.9	-20	1.01	16.2	0.31	-5	0.185	70.2	0.83	7.72	-5	2.47	-500	1.37	8.35	-2	1.85	-2	-100	-500
48312	436388.8	5407602.6	-20	0.38	11.1	0.28	-5	0.03	21.6	1.09	5.14	-5	1.89	-500	1.17	5	2.03	1.82	-2	-100	-500
48313	436389.4	5407097.3	-20	1.29	26.5	0.32	-5	0.067	59	1.78	6.92	-5	4.41	-500	-1	8.6	-2	2.15	2.34	-100	-500
48314	436389.3	5407069.3	-20	1.57	18.2	0.28	-5	0.19	63.9	1.14	8.02	-5	3.28	-500	-1	7.14	-2	1.74	-2	-100	-500
48315	436388	5407047.7	-20	1.25	19.6	0.41	-5	0.432	70.6	0.47	18.7	-5	2.96	-500	1.12	11.8	-2	2.55	-2	172	-500
48316	436386.6	5407024.8	-20	1.64	19.4	0.41	-5	0.326	110	0.4	28.9	-5	2.8	-500	2.09	12.3	-2	2.47	-2	204	-500
48317	436385.3	5406998	-20	0.41	19	0.44	-5	0.661	20.5	0.55	22.7	-5	2.83	-500	2.01	11.9	-2	2.9	-2	130	-500
48318	436385.2	5406973.9	-20	0.61	16.9	0.38	-5	0.631	-20	0.39	16.5	-5	3	-500	1.44	11.8	-2	2.57	-2	116	-500
48319	436383.8	5406949.7	-20	0.31	11.7	0.32	-5	0.101	30.2	0.48	23.8	-5	1.97	-500	1.44	12.5	-2	2.82	-2	119	-500
48325	436385.9	5406827.5	-20	0.85	7.17	0.34	-5	0.032	42.9	0.94	11.9	-5	1.35	-500	1.83	8.2	-2	2.13	2.62	-100	-500
48326	436384.5	5406795.7	-20	0.66	22.1	0.36	-5	0.067	32.7	1.29	5.61	-5	3.19	-500	1.39	6.92	-2	2.22	-2	-100	-500
48327	436383.2	5406774	-20	0.82	10.5	0.3	-5	0.036	61.8	0.65	12.1	-5	1.81	-500	1.43	8.24	-2	2.05	-2	-100	-500
48328	436383.1	5406746	-20	2	32.4	0.38	-5	0.085	98.8	1.09	13.3	-5	5.16	-500	1.24	13.9	-2	2.54	2.6	101	-500
48329	436384.2	5406721.8	-20	2.32	40	0.4	-5	0.159	118	1.35	13.3	-5	6.53	-500	1.48	15.1	-2	2.57	-2	-100	-500
48330	436384.1	5406695.1	-20	1.74	28.2	0.41	-5	0.141	91.3	0.9	17.3	-5	4.75	-500	1.71	11.4	-2	2.76	-2	-100	-500
48331	436384	5406672.2	-20	1.57	24	0.33	-5	0.121	89.6	0.73	15.6	-5	4.32	-500	1.19	12.8	-2	2.23	-2	117	-500
48332	436385.2	5406646.7	-20	1.9	36.7	0.42	-5	0.149	109	0.72	17.4	-5	5.64	-500	2.04	10.2	-2	2.54	-2	-100	-500
48333	436382.6	5406622.6	-20	2.14	30	0.37	-5	0.166	118	0.43	31	-5	5.83	-500	1.47	9.42	-2	2.48	-2	141	-500
48334	436383.7	5406594.6	-20	2.86	34.4	0.39	-5	0.313	150	0.34	21.6	-5	6.03	-500	1.46	10	-2	2.48	-2	-100	-500
48339	436835	5406922	-20	1.62	22.3	0.37	-5	0.144	108	1.57	11.3	-5	4.13	-500	1.28	10.1	-2	2.38	-2	-100	-500
48343	436822.9	5406999.2	-20	0.26	15.6	0.27	-5	0.023	-20	1.31	2.18	-5	2.89	-500	-1	4.28	-2	1.77	-2	-100	-500

520105

SAMPLE	TEAST	TNORTH	IR_N	K_N	LA_N	LU_N	MO_N	NA_N	RB_N	SB_N	SC_N	SE_N	SM_N	SN_N	TA_N	TH_N	W_N	YB_N	U_N	ZN_N	ZR_N
48344	436823	5407020.8	-20	0.51	16.8	0.27	-5	0.022	25.5	1.17	2.93	-5	3.38	-500	-1	4.73	-2	1.83	-2	-100	-500
48345	436820.6	5407043.8	-20	0.54	20.7	0.33	-5	0.025	44.6	1.33	4.56	-5	3.57	-500	1.13	6.51	-2	2.23	-2	-100	-500
48346	436820.7	5407070.5	-20	1.59	22.4	0.3	-5	0.04	118	1.16	11.5	-5	3.34	-500	-1	10.1	-2	2.04	2.16	-100	-500
48347	436818.2	5407099.8	-20	1.46	19.5	0.43	-5	0.036	104	0.86	19.8	-5	3.76	-500	-1	13	-2	2.8	2.12	119	-500
48348	436815.8	5407121.4	-20	1.86	33.2	0.39	-5	0.038	110	1.12	16.2	-5	5.23	-500	1.41	19	-2	2.52	3.89	106	-500
48349	436813.4	5407150.7	-20	1.76	23.2	0.33	-5	0.081	117	1.55	10.3	-5	3.48	-500	1.48	9.9	-2	2.09	-2	-100	-500
48351	436814.8	5407202.9	-20	1.7	34.4	0.33	-5	0.111	91.6	1.24	12.4	-5	5.78	-500	-1	16.9	-2	2.34	-2	-100	-500
48352	436812.4	5407227	-20	2.48	20.5	0.39	-5	0.068	155	0.92	16.2	-5	3.41	-500	1.31	11.6	-2	2.62	2.51	-100	-500
48353	436810	5407251.2	-20	0.42	15.4	0.28	-5	0.018	24.9	1.12	3.5	-5	2.78	-500	-1	4.55	-2	1.9	-2	-100	-500
48354	436811.3	5407275.4	-20	-0.2	5.97	0.24	-5	0.013	-20	0.75	1.31	-5	1.19	-500	-1	2.54	-2	1.71	-2	-100	-500
48355	436811.4	5407299.6	-20	0.76	10	0.29	-5	0.025	49.2	0.91	5.13	-5	1.74	-500	1.4	5.13	-2	2.02	-2	-100	-500
48356	436811.5	5407323.8	-20	2.74	14.6	0.38	-5	0.041	157	0.92	15	-5	2.34	-500	-1	10.6	-2	2.61	2.22	-100	-500
48357	436812.9	5407349.2	-20	1.53	20.9	0.3	-5	0.032	75	1.39	7.25	-5	2.89	-500	-1	6.45	-2	2.01	2.09	-100	-500
48361	436811.9	5407426.9	-20	0.31	5.52	0.35	5.4	0.025	32.5	1.33	23.4	-5	1.22	-500	1.54	10.7	-2	2.43	-2	111	-500
48362	436809.5	5407452.3	-20	0.36	10.1	0.31	-5	0.137	22.4	0.87	9.6	-5	1.81	-500	-1	5.11	-2	2.01	-2	-100	-500
48363	436810.8	5407475.2	-20	-0.2	8.2	0.21	-5	0.021	-20	0.91	2.4	-5	1.7	-500	-1	3.05	-2	1.48	-2	-100	-500
48364	436808.4	5407500.7	-20	0.5	15.9	0.22	-5	0.016	23.7	1.28	5.4	-5	2.93	-500	-1	5.49	-2	1.49	-2	-100	-500
48365	436808.5	5407532.5	-20	0.25	10.4	0.22	-5	0.013	64.9	0.97	12.4	-5	1.48	-500	-1	9.31	-2	1.58	-2	-100	-500
48366	436809.9	5407555.4	-20	0.85	15.5	0.26	-5	0.018	96.4	0.76	11.9	-5	2.01	-500	-1	8.81	-2	1.72	-2	-100	-500
48367	436806.1	5407577.1	-20	0.95	8.98	0.28	-5	0.023	119	0.67	10.8	-5	1.37	-500	-1	8.79	-2	1.79	2.12	-100	-500
48368	436805	5407602.5	-20	1.14	9.12	0.29	-5	0.121	132	0.69	11.4	-5	1.34	-500	1.4	8.11	-2	1.86	2.23	-100	-500

724109



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NB:- SYMBOLS AS PER  
 DRILL LOGS  
 (SEE APPENDIX 1)

724110

50m

**RGC EXPLORATION PTY. LIMITED**

GEOLOGIST S. HALLIEY GOWRIE PARK AREA E.L.32/94

DRAWN M. WALTER

DATE 1/95

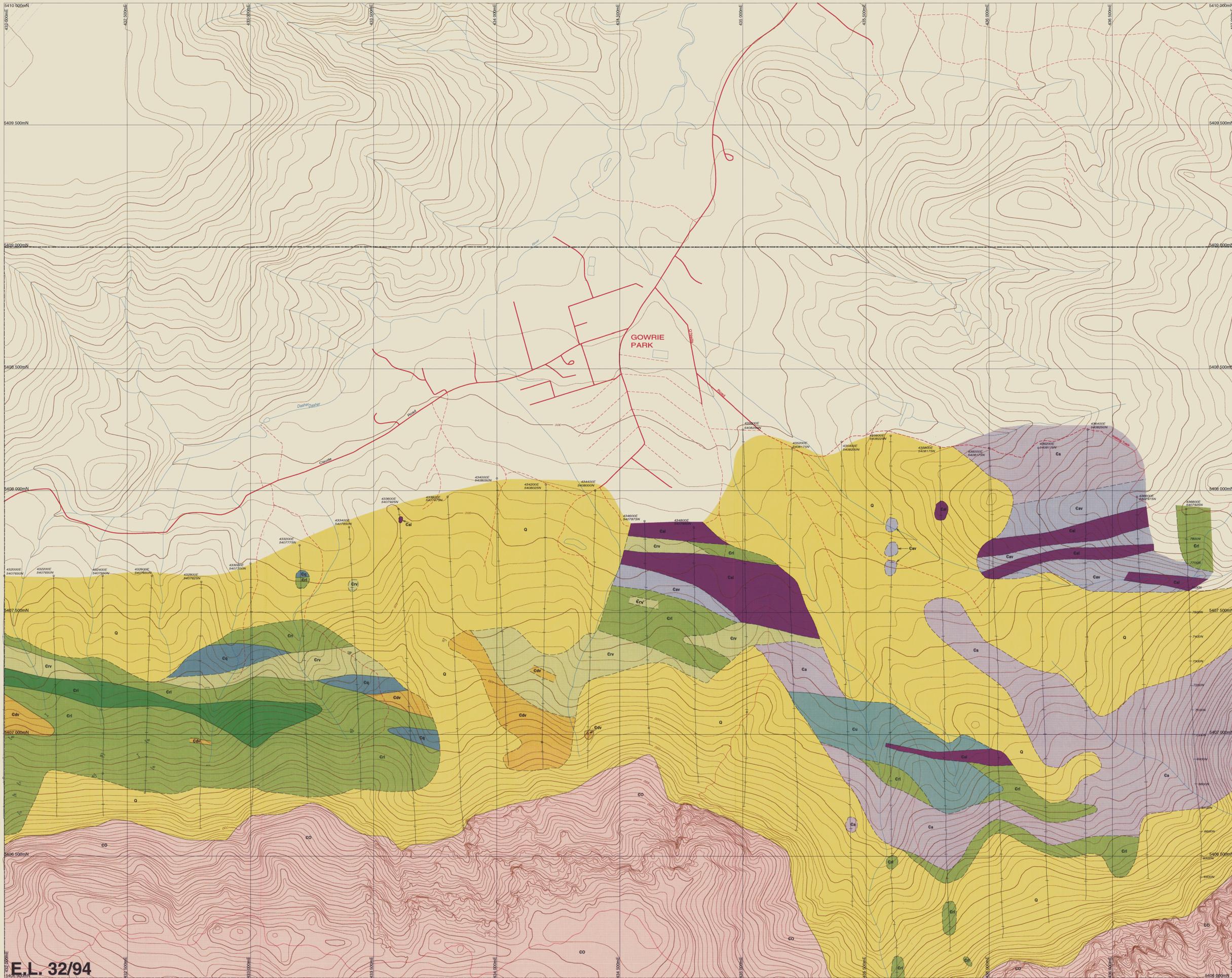
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DRAWING ID: 2315/001

FILENAME: GOWRIE

PLAN 1



E.L. 32/94

96-3829



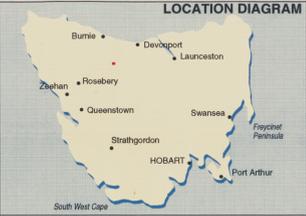
**GEOLOGICAL REFERENCE**

- Q** Quaternary cover - possible glacial deposits
- CO** Late Cambrian-Early Ordovician alloclastic conglomerates  
Rhyolite conglomerates
- Cambrian Rocks**
  - Cr** Rhyolite intrusive
  - CrI** Rhyolite lava
  - CrV** Rhyolite volcaniclastic sediments
  - CdV** Diacritic volcaniclastic sediments
  - Cu** Interbedded rhyolite-andesitic volcaniclastic sediments and lavas
  - Cq** Quartzite
  - Cav** Andesitic lava
  - Cav** Andesitic volcaniclastic sediment

- ..... Geological contact, accurate
- ..... Geological contact, approximate
- ..... Bedding, facing unknown
- ..... Bedding, facing up
- ..... Overturned bedding
- ..... Vertical, Horizontal bedding
- ..... Cleavage, Vertical cleavage
- ..... Compositional banding, foliation, vertical
- ..... Fine banding, vertical
- ..... Plunge of columnar joint
- ..... Joint, vertical joint
- ..... Minor fault
- ..... Minor fold
- ..... Prospect
- ..... Mine

**TOPOGRAPHY**

- ..... Road
- ..... Track
- ..... Railway Line
- ..... Building
- ..... Fence
- ..... Watercourse
- ..... Lake
- ..... Well &/or Bore
- ..... Grid line
- ..... Tenement Boundary
- ..... 20m Index contour with value
- ..... 210m Index contour with value



**RGCE EXPLORATION**  
Member of the Reson Goldfields Consolidated Group

**GOWRIE PARK PROJECT**

**GOWRIE PARK EL 32/94**  
**GEOLOGICAL INTERPRETATION**

Reference Files:	1. Geology	2. Topography	3. Sampling	4. Tenement	5. Coord Grid
Compiled:	S. Halley	Date:	22 Jan, 1996	Scale:	1 : 5 000
Drawn:	M. Waller	Revision Date:		A.M.G. Zone:	55
Drawing Path:	d:\asdraft\gowrie\base	Drawing Name:	2315b001.dgn	FLAN2	

96-3829

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1995-96 - HALLEY, S.W. & VICARY, M.J. - RGCE

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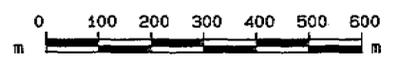
# 96-3829

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1995-96 - HALLEY, S W & VICARY, M J - RGC



50m

SCALE  
1:10000



RGC EXPLORATION PTY LIMITED

Gowrie Park Ground Magnetics, Tasmania

Contours of

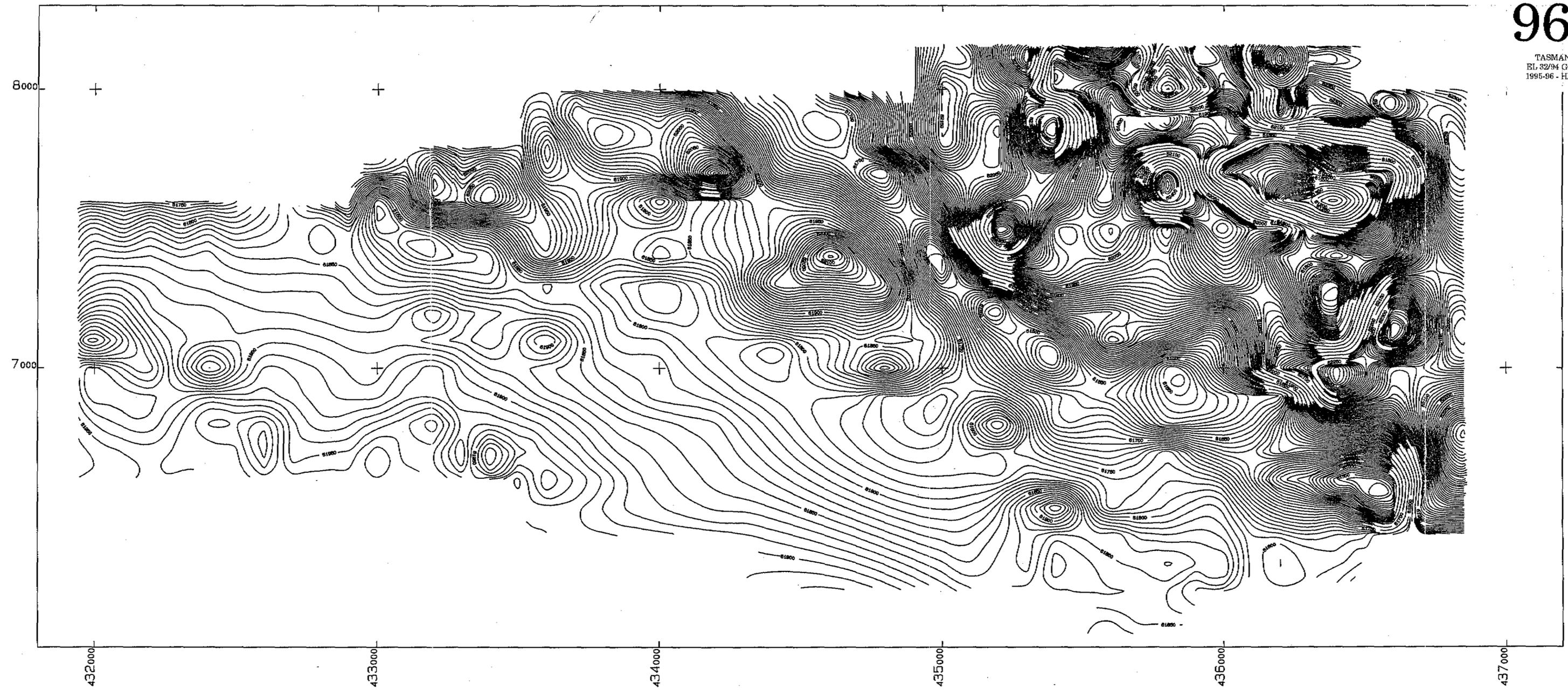
TOTAL MAGNETIC INTENSITY

Contour Interval: 10.0 nT

PLAN 3

Compiled by: Date: 12 Jul 1995

Drawn by: S.R. Drawing No.: 2315/003

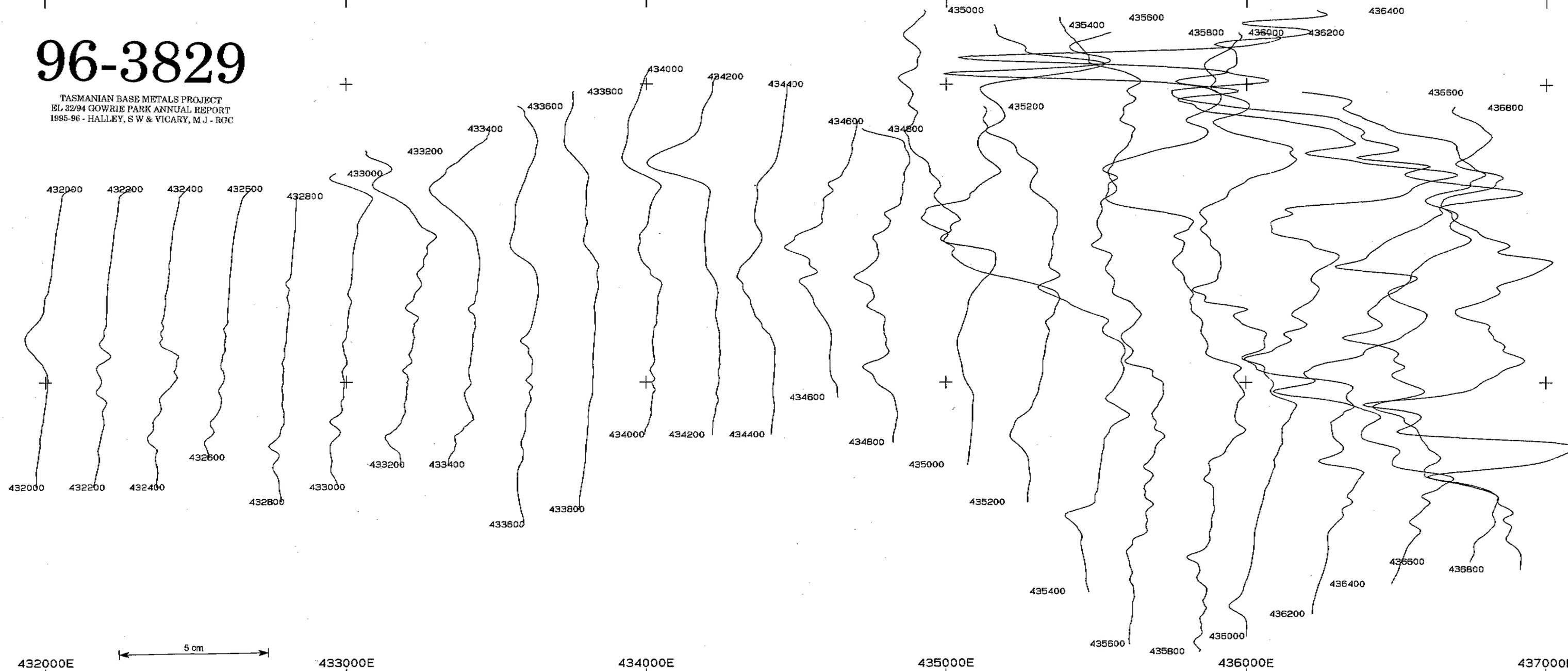


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1995-96 - HALLEY, S W & VICARY, M J - RGC

8000N

7000N



PLAN 4

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