

# OPEN FILE

## FINAL RELINQUISHMENT REPORT TO 31 JANUARY 1992

MCN's 259, 260, 266, 773-775, 777, 1351-1363,

1690-1693, 1756-1759, 1763-1766, 2198-2199

2404-2413, 2417-2419, 2428-2429, 3890-3892, 3895-3901

WOOLWONGA SOUTH CLAIM AREA

### Distribution:

NTDME, Darwin

Dominion Mining Ltd, Darwin

Dominion Mining Ltd, Perth

SJ POOLEY

1 March 1992

Darwin Reference No: DD/AD52/08/403/112

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## 1. SUMMARY

A total of 59 Mineral Claims from the Woolwonga South Project Area were surrendered as at 31 January 1992. These Mineral Claims total 1455ha.

This report details the exploration activities by Dominion since acquiring the tenements, with relinquished claim areas are detailed below. See Fig. 1.

|                   |                                                                                                   |
|-------------------|---------------------------------------------------------------------------------------------------|
| Margaret River:   | MCN's 259-260, 266, 773-775, 777 1351-1363, 1690-1693, 2198-2199, 2404-2413, 2417-2419, 2428-2429 |
| Magnetic Springs: | MCN's 1756-1759, 1763-1766                                                                        |
| Tramway East:     | MCN's 3890-3892, 3895-3901                                                                        |

Previous exploration (pre-1989) was conducted by Territory Resources and Ken Day Pty Ltd. Exploration was primarily aimed at defining alluvial targets. Investigations had shown that these tenements may cover possible extensions to the Priscilla-Yam Creek line, Glencoe and the Woolwonga lines mineralization.

Geology of the area comprises a series of tightly folded, gently plunging anticlines and synclines of the Koolpin Formation, Gerowie Tuff, Mt. Bonnie and Burrell Creek Formations. These folded sequences are cut by a series of NE-SW trending faults.

Exploration activities completed by Dominion from 1989 to 1991 included aerial photography, geophysical survey, gridding, geological mapping, soil, lag and rock chip sampling and RAB drilling.

1. Aerial photography involved compilation of 1:25000 and 1:10000 regional geology sheets.
2. Geophysics involved interpretation of airborne magnetic data with follow up ground magnetics (Magnetic Springs 10,000 line metres).
3. Geochemical sampling involved the collection of 374 soil, 37 lag and 27 rock chip samples. A best result from a rock chip sample returned 0.67ppm Au (Magnetic Springs).
4. RAB drilling totalled 70 holes for 1348m with a best result of 3m @ 0.134ppm Au (Tramway East) being returned.



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1. Summary (Cont'd)

Exploration to date has outlined a number of weakly anomalous zones, but these are not considered to be significantly worthwhile to warrant any further follow up exploration.

Exploration expenditure by Dominion for the relinquished claim areas amounts to approximately \$140,000 for the three year period Jan '89-Dec '91.

## 2. INTRODUCTION AND LOCATION

The relinquished claim areas are located on the Ban Ban Springs Pastoral Lease (No. 865) in the southern zone of the Pine Creek Basin, approximately 130km southeast of Darwin and 20km northeast of Hayes Creek in the Margaret River locality.

Climatically, Woolwonga South Claim Area (WSCA) experiences a wet season (November to April) and a dry season (May to October). Average annual rainfall is 1249mm, and the mean temperature is approximately 28°C. Relief in the area is generally quite low but reaches locally to  $\pm 35$  metres.

Access to WSCA is via the Mt. Wells Road, which runs through the south of the area, Ban Ban Station tracks, and tracks developed by Dominion itself. The Darwin-Amadeus Basin gas pipeline crosses the WSCA in the North.

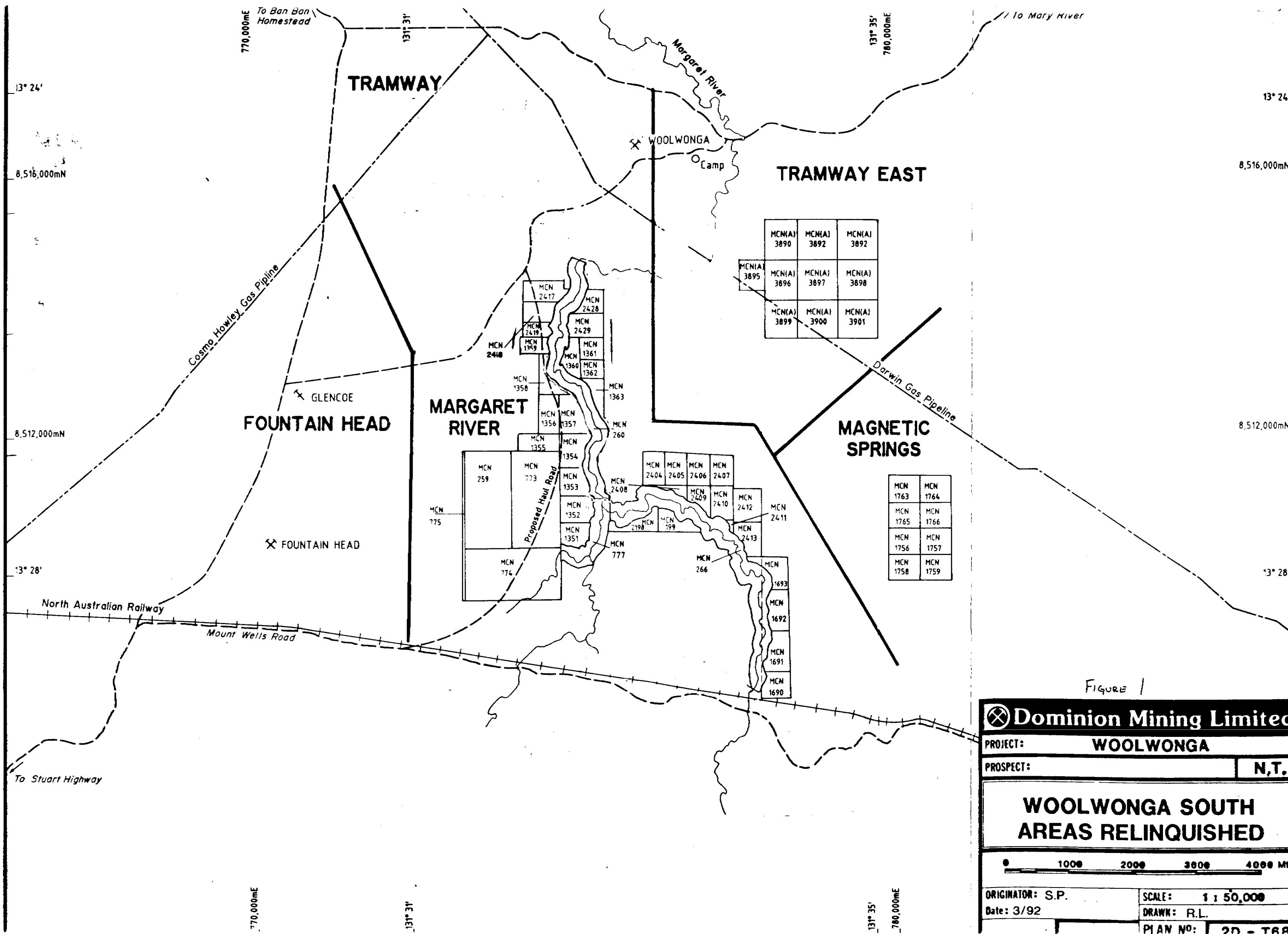


FIGURE 1

**Dominion Mining Limited**

PROJECT: **WOOLWONGA**

PROSPECT: **N.T.**

**WOOLWONGA SOUTH AREAS RELINQUISHED**

0 1000 2000 3000 4000 Mts.

ORIGINATOR: S.P. SCALE: 1 : 50,000

Date: 3/92 DRAWN: R.L.

PLAN NO: 2D - TRR

### 3. TENURE

The Relinquished claim areas comprise 59 Mineral Claims with an area totalling 1455 hectares. The titles for 49 granted tenements were granted between 25.5.82 and 28.4.89. The remaining 10 tenements, formerly part of EL4415A were granted between 3.8.90 and 17.10.90. See Table 1.

The original vendors of the 59 tenements included a number of different companies, and title to the tenements were transferred to Dominion Gold Operations Pty Ltd (DGO) in several parcels between May 1988 and November 1989.

MCN's 2417-2419, 2428-2429 were a part of a parcel of tenements which included EL 4415 (parts A and B). DGO have relinquished 10 of these claims, MCN's 3890, 3892, 3895-3901 effective January 1992.

A further 42 Mineral Claims (MCN's 259-260, 266, 773-775, 777, 1351-1363, 1690-1693, 1756-1759, 1763-1766, 2198-2199 and 2404-2413) were also purchased as part of a second parcel of tenements from Territory Resources NL on the 26 September 1989.

As at January 31st 1992, these 59 Mineral Claims were surrendered.

TABLE 1

| TENE<br>NUMBER | DGO | OPER | GRANTED  | TERM<br>YEARS | EXPIRES  | AREA HA/<br>BLOCKS | ANNUAL<br>RENT | EXPEND<br>COVENANT | REDUC<br>DUE | END REPORT<br>PERIOD/REPORT<br>DUE | COMMENTS        |
|----------------|-----|------|----------|---------------|----------|--------------------|----------------|--------------------|--------------|------------------------------------|-----------------|
| MCN3890        | 100 | DGO  | 17.10.90 | 5             | 16.10.95 | 33ha               | 330            | NA                 | NA           | .                                  | .               |
| MCN3891        | 100 | DGO  | 17.10.90 | 5             | 16.10.95 | 40ha               | 400            | NA                 | NA           | .                                  | .               |
| MCN3892        | 100 | DGO  | 17.10.90 | 5             | 16.10.95 | 40ha               | 400            | NA                 | NA           | .                                  | .               |
| MCN3895        | 100 | DGO  | 17.10.90 | 5             | 16.10.95 | 21ha               | 210            | NA                 | NA           | .                                  | .               |
| MCN3896        | 100 | DGO  | 17.10.90 | 5             | 16.10.95 | 33ha               | 330            | NA                 | NA           | .                                  | .               |
| MCN3897        | 100 | DGO  | 17.10.90 | 5             | 16.10.95 | 40ha               | 400            | NA                 | NA           | .                                  | .               |
| MCN3898        | 100 | DGO  | 17.10.90 | 5             | 16.10.95 | 40ha               | 400            | NA                 | NA           | .                                  | .               |
| MCN3899        | 100 | DGO  | 17.10.90 | 5             | 16.10.95 | 31ha               | 310            | NA                 | NA           | .                                  | .               |
| MCN3900        | 100 | DGO  | 17.10.90 | 5             | 16.10.95 | 37ha               | 370            | NA                 | NA           | .                                  | .               |
| MCN3901        | 100 | DGO  | 17.10.90 | 5             | 16.10.95 | 37ha               | 370            | NA                 | NA           | .                                  | .               |
|                |     |      |          |               | TOTAL    | 352 ha             | 3520           |                    |              |                                    | TRAMWAY<br>EAST |

| TENE<br>NUMBER | DGO | OPER | GRANTED  | TERM<br>YEARS | EXPIRES  | AREA HA/<br>BLOCKS | ANNUAL<br>RENT | EXPEND<br>COVENANT | REDUC<br>DUE | END REPORT<br>PERIOD/REPORT<br>DUE | COMMENTS          |
|----------------|-----|------|----------|---------------|----------|--------------------|----------------|--------------------|--------------|------------------------------------|-------------------|
| MCN 259        | 100 | DGO  | 16.05.83 | 10            | 15.05.93 | 113ha              | 1130           | NA                 | NA           | ANNUALLY                           |                   |
| MCN 260        | 100 | DGO  | 16.05.83 | 10            | 15.05.93 | 113ha              | 1130           | NA                 | NA           | 31 MAR 91                          |                   |
| MCN 266        | 100 | DGO  | 16.05.83 | 10            | 15.05.93 | 100ha              | 1000           | NA                 | NA           |                                    |                   |
| MCN 773        | 100 | DGO  | 31.10.84 | 10            | 30.10.94 | 113ha              | 1130           | NA                 | NA           |                                    |                   |
| MCN 774        | 100 | DGO  | 31.10.84 | 10            | 30.10.94 | 113ha              | 1130           | NA                 | NA           |                                    |                   |
| MCN 775        | 100 | DGO  | 31.10.84 | 10            | 30.10.94 | 4ha                | 40             | NA                 | NA           |                                    |                   |
| MCN 777        | 100 | DGO  | 13.10.84 | 10            | 30.10.94 | 30ha               | 300            | NA                 | NA           |                                    |                   |
| MCN1351        | 100 | DGO  | 06.10.87 | 5             | 05.10.92 | 13ha               | 130            | NA                 | NA           |                                    |                   |
| MCN1352        | 100 | DGO  | 06.10.87 | 5             | 05.10.92 | 20ha               | 200            | NA                 | NA           |                                    |                   |
| MCN1353        | 100 | DGO  | 06.10.87 | 5             | 05.10.92 | 19ha               | 190            | NA                 | NA           |                                    |                   |
| MCN1354        | 100 | DGO  | 06.10.87 | 5             | 05.10.92 | 20ha               | 200            | NA                 | NA           |                                    |                   |
| MCN1355        | 100 | DGO  | 06.10.87 | 5             | 05.10.92 | 17ha               | 170            | NA                 | NA           |                                    |                   |
| MCN1356        | 100 | DGO  | 06.10.87 | 5             | 05.10.92 | 20ha               | 200            | NA                 | NA           |                                    |                   |
| MCN1357        | 100 | DGO  | 06.10.87 | 5             | 05.10.92 | 18ha               | 180            | NA                 | NA           |                                    |                   |
| MCN1358        | 100 | DGO  | 06.10.87 | 5             | 05.10.92 | 20ha               | 200            | NA                 | NA           |                                    |                   |
| MCN1359        | 100 | DGO  | 06.10.87 | 5             | 05.10.92 | 11ha               | 110            | NA                 | NA           |                                    |                   |
| MCN1360        | 100 | DGO  | 06.10.87 | 5             | 05.10.92 | 10ha               | 100            | NA                 | NA           |                                    |                   |
| MCN1361        | 100 | DGO  | 06.10.87 | 5             | 05.10.92 | 12ha               | 120            | NA                 | NA           |                                    |                   |
| MCN1362        | 100 | DGO  | 06.10.87 | 5             | 05.10.92 | 12ha               | 120            | NA                 | NA           |                                    |                   |
| MCN1363        | 100 | DGO  | 06.10.87 | 5             | 05.10.92 | 8ha                | 80             | NA                 | NA           |                                    |                   |
| MCN1690        | 100 | DGO  | 10.12.87 | 5             | 09.12.92 | 19ha               | 190            | NA                 | NA           |                                    |                   |
| MCN1691        | 100 | DGO  | 10.12.87 | 5             | 09.12.92 | 20ha               | 200            | NA                 | NA           |                                    |                   |
| MCN1692        | 100 | DGO  | 10.12.87 | 5             | 09.12.92 | 20ha               | 200            | NA                 | NA           |                                    |                   |
| MCN1693        | 100 | DGO  | 10.12.87 | 5             | 09.12.92 | 20ha               | 200            | NA                 | NA           |                                    |                   |
| MCN2198        | 100 | DGO  | 29.03.88 | 5             | 28.03.93 | 10ha               | 100            | NA                 | NA           |                                    |                   |
| MCN2199        | 100 | DGO  | 29.03.88 | 5             | 28.03.93 | 14ha               | 140            | NA                 | NA           |                                    |                   |
| MCN2404        | 100 | DGO  | 25.07.87 | 5             | 24.07.92 | 20ha               | 200            | NA                 | NA           |                                    |                   |
| MCN2405        | 100 | DGO  | 25.07.87 | 5             | 24.07.92 | 20ha               | 200            | NA                 | NA           |                                    |                   |
| MCN2406        | 100 | DGO  | 25.07.87 | 5             | 24.07.92 | 20ha               | 200            | NA                 | NA           |                                    |                   |
| MCN2407        | 100 | DGO  | 25.07.87 | 5             | 24.07.92 | 19ha               | 190            | NA                 | NA           |                                    |                   |
| MCN2408        | 100 | DGO  | 28.04.89 | 5             | 27.04.94 | 8ha                | 80             | NA                 | NA           |                                    |                   |
| MCN2409        | 100 | DGO  | 28.04.89 | 5             | 27.04.94 | 13ha               | 130            | NA                 | NA           |                                    |                   |
| MCN2410        | 100 | DGO  | 28.04.89 | 5             | 27.04.94 | 20ha               | 200            | NA                 | NA           |                                    |                   |
| MCN2411        | 100 | DGO  | 28.04.89 | 5             | 27.04.94 | 2ha                | 20             | NA                 | NA           |                                    |                   |
| MCN2412        | 100 | DGO  | 28.04.89 | 5             | 27.04.94 | 20ha               | 200            | NA                 | NA           |                                    |                   |
| MCN2413        | 100 | DGO  | 29.04.89 | 5             | 27.04.94 | 16ha               | 160            | NA                 | NA           |                                    |                   |
| MCN2417        | 100 | DGO  | 21.10.88 | 5             | 20.10.93 | 20ha               | 200            | NA                 | NA           |                                    |                   |
| MCN2418        | 100 | DGO  | 21.10.88 | 5             | 20.10.93 | 16ha               | 160            | NA                 | NA           |                                    |                   |
| MCN2419        | 100 | DGO  | 21.10.88 | 5             | 20.10.93 | 11ha               | 110            | NA                 | NA           |                                    |                   |
| MCN2428        | 100 | DGO  | 21.10.88 | 5             | 20.10.93 | 15ha               | 150            | NA                 | NA           |                                    |                   |
| MCN2429        | 100 | DGO  | 21.10.88 | 5             | 20.10.93 | 20ha               | 200            | NA                 | NA           |                                    |                   |
|                |     |      |          |               | TOTALS   | 1129 ha            | 11,290         |                    |              |                                    | MARGARET<br>RIVER |

TABLE 1

|         |     |     |          |   |          |        |      |    |    |  |                     |
|---------|-----|-----|----------|---|----------|--------|------|----|----|--|---------------------|
| MCN1756 | 100 | DGO | 27.01.88 | 5 | 26.01.93 | 20ha   | 200  | NA | NA |  |                     |
| MCN1757 | 100 | DGO | 27.01.88 | 5 | 26.01.93 | 20ha   | 200  | NA | NA |  |                     |
| MCN1758 | 100 | DGO | 27.01.88 | 5 | 26.01.93 | 20ha   | 200  | NA | NA |  |                     |
| MCN1759 | 100 | DGO | 27.01.88 | 5 | 26.01.93 | 20ha   | 200  | NA | NA |  |                     |
| MCN1763 | 100 | DGO | 28.01.88 | 5 | 27.01.93 | 20ha   | 200  | NA | NA |  |                     |
| MCN1764 | 100 | DGO | 28.01.88 | 5 | 27.01.93 | 20ha   | 200  | NA | NA |  |                     |
| MCN1765 | 100 | DGO | 28.01.88 | 5 | 27.01.93 | 20ha   | 200  | NA | NA |  |                     |
| MCN1766 | 100 | DGO | 28.01.88 | 5 | 27.01.93 | 20ha   | 200  | NA | NA |  |                     |
|         |     |     |          |   | TOTALS   | 160 ha | 1600 |    |    |  | MAGNETIC<br>SPRINGS |

#### 4. GEOLOGY

##### 4.1 Regional Geology

The geology of the Pine Creek Basin has been well documented by the BMR (Needham et al 1980, and Wallace et al 1985).

The Early Proterozoic sequence was deposited by alternating shallow marine and continental environments in an intracratonic basin setting. Following intrusion by conformable sills, a major period of deformation and regional metamorphism, related to granitic intrusion, produced a series of tight, upright folds. The Early Proterozoic stratigraphy of the Pine Creek/Adelaide River area is listed in Table 2. Regional Geology is presented in Plate 1.

##### 4.2 Local Geology

The relinquished claim areas are located centrally within the Pine Creek Basin. The basin contains Early Proterozoic, dominantly clastic sediments and minor volcanics which were folded and metamorphosed. The stratigraphy comprises the Early Proterozoic Gerowie Tuff (Psg) and Mt. Bonnie Formation (Pso) of the South Alligator Group and the overlying Burrell Creek Formation (Pfb) of the Finnis River Group. A major dolerite dyke, which is magnetic and fine grained, intrudes the stratigraphy. Several thin (generally < 1.0m thick) lamprophyre dykes also intrude the stratigraphy. The Prices Springs Granite outcrops on the eastern edge of the claim areas. A more detailed account of local geology is given in Curnow et al 1990C).

Rocks of the South Alligator and Finnis River Group outcrop poorly. The dominant outcropping rock types are siltstone, mudstone, greywacke and chert. These rocks outcrop on low rises often with pisolitic lateritic scree. Surrounding the rises are Tertiary sands, gravels and silts as well as younger alluvium associated with the Margaret River.

The geological mapping indicates that the folded strata may be cut by several faults parallel to the NE trending Hayes Creek Fault, as fold axis show apparent lateral dislocation. Aeromagnetic data interpretation revealed a number of NW-SE trending anticlinal and synclinal fold axes and NE-SW trending faults.

# STRATIGRAPHIC COLUMN

**UNDIFFERENTIATED LATERITISED  
SEDIMENTS**

CRETACEOUS

**DALY RIVER GROUP**

- Ooloo Dolostone
- Jinduckin Formation
- Tindal Limestone
- Jindore Formation

CAMBRIAN-ORDOVICIAN

**TOLMER GROUP**

- Hinde Dolomite
- Stray Creek Sandstone
- Depot Creek Sandstone

MIDDLE PROTEROZOIC

**CULLEN GRANITIDS**

Composite I-type Batholith (1840-1780 Ma)

- Mc Minns Bluff Granite
- Fenton Granite
- Shoobridge Granite

**ZAMU DOLERITE** (±? Maude)

**FINNISS RIVER GROUP**

- Burrell Creek Formation

- Mt. Bonnie Formation

- Gerowie Tuff

- Koolpin Formation

SOUTH ALLIGATOR  
GROUP

EARLY PROTEROZOIC

- Wildman Siltstone

- Mundogie Sandstone

MT. PARTRIDGE  
GROUP

**NAMOONA GROUP**

- Masson Formation

## CULLEN MINERAL FIELD STRATIGRAPHIC RELATIONS

PROJECT **BROCKS CREEK**

STATE **N.T.**

ORIGINATOR **F.F.**

Date **5/91**

DRAWN **R.L.**

Date **5/91**

SCALE

**TABLE 2**

**PLAN NO: 2A - GIOO**



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## 5. PREVIOUS EXPLORATION

Previous exploration on these tenements was carried out by Ken Day Pty Ltd and Territory Resources, primarily aimed at finding alluvial gold deposits.

During the fourth year of tenure EL4415 (1988), Territory Resources completed a photogeological interpretation plus an airborne magnetics survey and interpretation. This revealed a number of NW-SE trending anticlinal and synclinal fold axis and NE-SW trending faults. Most of the follow up geochemistry was conducted in the western portion of EL4415 (EL4415B). Work within the eastern portion of EL4415 (EL4415A) now MCN's 3887-3901 comprised 2 rock chip samples which assayed below detection limit for gold.

Also completed in 1988 was a Geo-flite multispectral analysis which, Territory Resources stated, identified a number of possible mineralized zones. These zones were outlined by a method which detects detailed fractures, faults and lineaments in surface outcrop or through soil and vegetation cover. The method also identifies mineralized zones associated with these fractures by spectral analysis of the associated rock, soil and vegetation. No further follow up work was completed by Territory Resources.

## **6. 1989-1991 EXPLORATION (Dominion)**

The 1989-1991 exploration program included:-

- photogeology
- geological mapping (1:10,000)
- gridding
- Geophysics
- soil sampling
- lag sampling
- rock chip sampling
- rotary air blast drilling (RAB)
- computer data entry

### **6.1 Photogeology**

During May 1989, Airesearch Mapping Pty Ltd of Darwin flew the Woolwonga-Cosmo Howley tenements held by Dominion and produced sets of 1:25,000 and 1:10,000 scale air photos. Photogeological mapping (1:25,000) of the Woolwonga South tenements was completed using these air photos and this data was compiled on to 1:25000 and 1:10,000 scale base sheets. See Plate 1 (1:25000) for geology.

### **6.2 Geological Mapping**

Geological mapping at 1:10,000 scale was completed over the Magnetic Springs MC's, the Tramway East MC's and the Margaret River MC's. The data was compiled on 1:10,000 base sheets. This data is presented on Plates 2 and 3.

### **6.3 Gridding**

Prospect scale gridding was completed in the following areas:

|                  |                        |   |                   |
|------------------|------------------------|---|-------------------|
| Tramway East     | EL4415A                | - | 14700 line metres |
| Magnetic Springs | MCN's 1756-59, 1763-66 | - | 10900 line metres |

Gridding over EL4415A was completed as a precursor to soil sampling and RAB drilling, whilst gridding over MCN's 1756-59, 1763-66 was completed prior to a ground magnetics survey.

#### 6.4 Airborne Geophysics

In 1987 and 1988 Aerodata flew a large portion of the Western Pine Creek Basin. The survey of 22663 line km was originally commissioned by Golden Plateau NL and completed in May 1988. It is subsequently made available for sale and Dominion acquired the data in late 1988.

Aerodata supplied Dominion with three sets of aeromagnetic contour maps at scales of 1:10000, 1:25000 and 1:100000 (see Plate 4), which were interpreted for Dominion by a consultant geophysicist, who produced a report and sets of geophysical interpretation maps at similar scales.

#### 6.4 Geophysics (Cont'd)

Specifications for the survey were:-

Aircraft Rockwell Shrike Commander 500S

Magnetometer Scintrex V201 split beam cesium vapour

Resolution: 0.04 nano Tesla

Cycle rate: 0.2 seconds

Sample interval: 14 metres

Spectrometer 256 channel geometrics exploranium GR800B

Processed channels:

Total count 0.40 – 3.01 meV

K<sub>40</sub> 1.37 – 1.56 MeV

Bi<sub>214</sub> 1.67 – 1.86 MeV

Th208 3.02 – 6.00 MeV

Volume: 33.56 litres

Cycle rate: 1.0 second

Sample interval: 70 metres

Data Acquisition Hewlett Packard 9000 series computer

Aerodata digital acquisition system

Flight Line Traverse lines: 200 metres

Spacing Tie lines: 5000 metres

Flight Line Traverse lines: 090 – 270 degrees

Direction Tie lines: 000 – 180 degrees

Survey Height 70 metres – mean terrain clearance

Navigation Syledis UHF positioning system

#### 6.4 Geophysics (Cont'd)

A ground magnetics survey was completed over a gridded portion of the claim area. The survey targeted a double magnetic high delineated by an airborne magnetics survey in 1989.

Specifications for the survey were:

Magnetometer Scintrex MP-3 Portable Proton Precession

Magnetometer

Resolution: 0.1 nano Teslas

Cycle Rate: 2 seconds continuous cycle

Station Interval: 12.5 metres

Readings per station: 3 (averaged)

Survey lines were 1000 metres long with reading stations every 12.5m. Lines were from west to east ( $270^{\circ}$  -  $090^{\circ}$ ) and were spaced at 100m intervals. A single loop comprised initiating readings on the north-south baseline situated on the western edge of the grid (see Fig. 3) traversing east for 1000m and then traversing west on the next line, 100m to the north, back to the start point. A total of 5 loops were read totalling 10,000 line metres. Loops were tied into the main base station at 3 hourly intervals.

Drift corrected survey data has been contoured at 10nT intervals at 1:2500 scale and is presented in Plate 6. Raw data is presented in Appendix 2.

#### 6.5 Soil Sampling

A total of 374 soil samples were collected from the relinquished claim areas. The samples were a composite of 2 sites, 12.5m apart which gave the composite samples a spacing of 25m. The gridding used for soil sampling were spaced irregularly but were generally perpendicular to the regional strike and across residual soil areas. All samples were assayed for gold using Analabs' method 336. Analytical techniques is presented in Table 3, results presented in Section 7 of this report, and shown on Plates 2 and 3.

#### 6.6 Lag Sampling

A total of 37 semi continuous lag samples were collected from the relinquished claim areas. Lag sampling comprised a semi continuous sample of scree over a 25 metre interval. All samples were assayed for gold using Analabs' method 335. Results are discussed in Section 7 this report, and shown on Plates 2 and 3.

## 6.7 Rock Chip Sampling

A total 27 rock chip samples were collected from sites with the relinquished claim areas and were assayed for gold using Analabs' method 335. Sixteen of these samples were also assayed for Cu, Pb, Zn, As and Ag (Magnetic Springs). Results are discussed in Section 7 this report, and shown on Plates 2 and 3.

## 6.8 Rotary Air Blast (RAB) Drilling

RAB drilling totalled 70 holes for 1348m (WRB171605-1620, 1752-1806) ranging between 11 to 23 metres in depth./ A total of 511 samples were assayed for gold using method 335 (see Table 3).

The drilling was completed by Drillcorp Ltd using a Warman 250 Scout rig. Holes were drilled between 14 September and 6 November 1989. Results are discussed in Section 7 and Tramway East RAB Drillhole mineralization Summary is presented in Table 4. RAB hole locations can be found on Plate 2. Drill Logs and assay results are presented in Appendix 1.

## 6.9 Computer Data Entry

Geochemical locations and results, as well as drill logs and assay results for all RAB and RCP holes has been stored on computer.

**TABLE 3**  
**ANALYTICAL TECHNIQUES - ANALABS, DARWIN**

### GOLD

|                 |                    |                    |            |
|-----------------|--------------------|--------------------|------------|
| 313(>0.5ppb)    | Fire assay Fusion; | AAS Finish:        | 50g sample |
| 335 (>12 ppb)   | Aqua Regia Digest; | AAS Finish:        | 50g sample |
| 336 (1-100 ppb) | Aqua Regia Digest; | Carbon Rod Finish: | 50g sample |

**TABLE 4 - TRAMWAY EAST RAB DRILLHOLE AND MINERALIZATION SUMMARY**

| HOLE NO. | NORTHING | EASTING | AZIMUTH/DIP<br>(GRID) | TOTAL DEPTH<br>(M) | DATE<br>DRILLED | NO. OF<br>SAMPLES | RESULTS<br>RECEIVED | MINERALIZATION SUMMARY (Au/gt) |
|----------|----------|---------|-----------------------|--------------------|-----------------|-------------------|---------------------|--------------------------------|
| WRB 1605 | 9000     | 9675    | 090/60                | 23                 | 14/9/89         | 7                 |                     | Nil Mineralization             |
| 1606     | 9000     | 9662.5  | 090/60                | 23                 | 14/9/89         | 9                 |                     | Nil Mineralization             |
| 1607     | 9000     | 9650    | 090/60                | 23                 | 14/9/89         | 11                |                     | Nil Mineralization             |
| 1608     | 9000     | 9637.5  | 090/60                | 23                 | 14/9/89         | 7                 |                     | Nil Mineralization             |
| 1609     | 9000     | 9625    | 090/60                | 23                 | 14/9/89         | 15                |                     | Nil Mineralization             |
| 1610     | 9000     | 9612.5  | 090/60                | 23                 | 14/9/89         | 7                 |                     | Nil Mineralization             |
| 1611     | 9000     | 9600    | 090/60                | 23                 | 14/9/89         | 7                 |                     | 0-2m: 2m @ 0.14                |
| 1612     | 9000     | 9587.5  | 090/60                | 23                 | 14/9/89         | 7                 |                     | Nil Mineralization             |
| 1613     | 9000     | 9575    | 090/60                | 23                 | 14/9/89         | 7                 |                     | Nil Mineralization             |
| 1614     | 9000     | 9562.5  | 090/60                | 23                 | 14/9/89         | 7                 |                     | Nil Mineralization             |
| 1615     | 9000     | 9550    | 090/60                | 23                 | 14/9/89         | 7                 |                     | Nil Mineralization             |
| 1616     | 9000     | 9537.5  | 090/60                | 23                 | 14/9/89         | 7                 |                     | Nil Mineralization             |
| 1617     | 9000     | 9525    | 090/60                | 23                 | 14/9/89         | 9                 |                     | Nil Mineralization             |
| 1618     | 9000     | 9512.5  | 090/60                | 21                 | 14/9/89         | 8                 |                     | Nil Mineralization             |
| 1619     | 9000     | 9500    | 090/60                | 23                 | 14/9/89         | 7                 |                     | Nil Mineralization             |
| WRB 1620 | 9000     | 9487.5  | 090/60                | 20                 | 14/9/89         | 6                 |                     | Nil Mineralization             |

TABLE 4-2 TRAMWAY EAST RAB DRILLHOLE AND MINERALIZATION SUMMARY

| HOLE NO. | NORTHING | EASTING | AZIMUTH/DIP<br>(GRID) | TOTAL DEPTH<br>(M) | DATE<br>DRILLED | NO. OF<br>SAMPLES | RESULTS<br>RECEIVED | MINERALIZATION SUMMARY (Au/g) |
|----------|----------|---------|-----------------------|--------------------|-----------------|-------------------|---------------------|-------------------------------|
| WRB 1752 | 9200     | 9950    | 270/60                | 15                 | 26/10/89        | 4                 |                     | Nil Mineralization            |
| 1753     | 9200     | 9962.5  | 270/60                | 15                 | 26/10/89        | 6                 |                     | Nil Mineralization            |
| 1754     | 9200     | 9975    | 270/60                | 17                 | 26/10/89        | 6                 |                     | Nil Mineralization            |
| 1755     | 9200     | 9987.5  | 270/60                | 19                 | 26/10/89        | 6                 |                     | Nil Mineralization            |
| 1756     | 9200     | 10000   | 270/60                | 17                 | 26/10/89        | 5                 |                     | Nil Mineralization            |
| 1757     | 9200     | 10012.5 | 270/60                | 17                 | 26/10/89        | 6                 |                     | Nil Mineralization            |
| 1758     | 9200     | 10025   | 270/60                | 14                 | 27/10/89        | 4                 |                     | Nil Mineralization            |
| 1759     | 9200     | 9950    | 090/60                | 12                 | 27/10/89        | 8                 |                     | Nil Mineralization            |
| 1760     | 9200     | 9937.5  | 090/60                | 17                 | 27/10/89        | 8                 |                     | Nil Mineralization            |
| WRB 1761 | 9200     | 9925    | 090/60                | 19                 | 27/10/89        | 12                |                     | Nil Mineralization            |



TABLE 4-3 TRAMWAY EAST RAB DRILLHOLE AND MINERALIZATION SUMMARY

| HOLE NO. | NORTHING | EASTING | AZIMUTH/DIP<br>(GRID) | TOTAL DEPTH<br>(M) | DATE<br>DRILLED | NO. OF<br>SAMPLES | RESULTS<br>RECEIVED | MINERALIZATION SUMMARY (Au/gt) |
|----------|----------|---------|-----------------------|--------------------|-----------------|-------------------|---------------------|--------------------------------|
| WRB 1762 | 9200     | 9912.5  | 090/60                | 17                 | 27/10/89        | 10                |                     | 8-11m: 3m @ 0.10               |
| 1763     | 9200     | 9900    | 090/60                | 18                 | 27/10/89        | 9                 |                     | Nil Mineralization             |
| 1764     | 9200     | 9887.5  | 090/60                | 20                 | 27/10/89        | 8                 |                     | Nil Mineralization             |
| 1765     | 9200     | 9875    | 090/60                | 11                 | 27/10/89        | 4                 |                     | Nil Mineralization             |
| 1766     | 9000     | 9950    | 270/60                | 15                 | 27/10/89        | 8                 |                     | Nil Mineralization             |
| 1767     | 9000     | 9962.5  | 270/60                | 20                 | 28/10/89        | 6                 |                     |                                |
| 1768     | 9000     | 9975    | 270/60                | 18                 | 28/10/89        | 8                 |                     | Nil Mineralization             |
| 1769     | 9000     | 9937.5  | 270/60                | 14                 | 28/10/89        | 6                 |                     | Nil Mineralization             |
| 1770     | 9000     | 9925    | 270/60                | 19                 | 28/10/89        | 6                 |                     | Nil Mineralization             |
| WRB 1771 | 9000     | 9925    | 090/60                | 14                 | 28/10/89        | 4                 |                     | Nil Mineralization             |

TABLE 4-4 : TRAMWAY EAST RAB DRILLHOLE AND MINERALIZATION SUMMARY

| HOLE NO. | NORTHING | EASTING | AZIMUTH/DIP<br>(GRID) | TOTAL DEPTH<br>(M) | DATE<br>DRILLED | NO. OF<br>SAMPLES | RESULTS<br>RECEIVED | MINERALIZATION SUMMARY (Au/gt) |
|----------|----------|---------|-----------------------|--------------------|-----------------|-------------------|---------------------|--------------------------------|
| WRB 1772 | 9000     | 9912.5  | 090/60                | 20                 | 28/10/89        | 6                 |                     | Nil Mineralization             |
| 1773     | 9000     | 9900    | 090/60                | 17                 | 28/10/89        | 6                 |                     | Nil Mineralization             |
| 1774     | 9000     | 9887.5  | 090/60                | 17                 | 28/10/89        | 5                 |                     | Nil Mineralization             |
| 1776     | 9000     | 9875    | 090/60                | 17                 | 28/10/89        | 5                 |                     | Nil Mineralization             |
| 1777     | 8800     | 9900    | 270/60                | 20                 | 28/10/89        | 12                |                     | 5-6m: 1m @ 0.08                |
| 1778     | 8800     | 9912.5  | 270/60                | 20                 | 28/10/89        | 7                 |                     | Nil Mineralization             |
| 1779     | 8800     | 9925    | 270/60                | 20                 | 28/10/89        | 12                |                     | Nil Mineralization             |
| 1780     | 8800     | 9937.5  | 270/60                | 18                 | 28/10/89        | 7                 |                     | Nil Mineralization             |
| WRB 1781 | 8800     | 9950    | 270/60                | 20                 | 28/10/89        | 6                 |                     | Nil Mineralization             |

TABLE 4 - 5 TRAMWAY EAST RAB DRILLHOLE AND MINERALIZATION SUMMARY

| HOLE NO. | NORTHING | EASTING | AZIMUTH/DIP<br>(GRID) | TOTAL DEPTH<br>(M) | DATE<br>DRILLED | NO. OF<br>SAMPLES | RESULTS<br>RECEIVED | MINERALIZATION     |
|----------|----------|---------|-----------------------|--------------------|-----------------|-------------------|---------------------|--------------------|
| WRB 1782 | 8800     | 9962.5  | 270/60                | 20                 | 30/10/89        | 7                 |                     | Nil Mineralization |
| 1783     | 8800     | 9975    | 270/60                | 17                 | 30/10/89        | 6                 |                     | Nil Mineralization |
| 1784     | 8800     | 9987.5  | 270/70                | 20                 | 30/10/89        | 8                 |                     | Nil Mineralization |
| 1785     | 8800     | 10000   | 270/60                | 20                 | 30/10/89        | 9                 |                     | Nil Mineralization |
| 1786     | 8800     | 10012.5 | 270/60                | 20                 | 30/10/89        | 11                |                     | Nil Mineralization |
| 1787     | 8800     | 10025   | 270/60                | 20                 | 30/10/89        | 7                 |                     | Nil Mineralization |
| 1788     | 8800     | 10037.5 | 270/60                | 20                 | 30/10/89        | 8                 |                     | Nil Mineralization |
| 1789     | 8800     | 10050   | 270/60                | 20                 | 30/10/89        | 9                 |                     | Nil Mineralization |
| 1790     | 8800     | 9900    | 090/60                | 20                 | 30/10/89        | 6                 |                     | Nil Mineralization |
| WRB 1791 | 8800     | 9887.5  | 090/60                | 19                 | 30/10/89        | 10                |                     | 6-9m: 3m @ 0.13    |

TABLE 4-6 TRAMWAY EAST RAB DRILLHOLE AND MINERALIZATION SUMMARY

| HOLE NO. | NORTHING | EASTING | AZIMUTH/DIP<br>(GRID) | TOTAL DEPTH<br>(M) | DATE<br>DRILLED | NO. OF<br>SAMPLES | RESULTS<br>RECEIVED | MINERALIZATION SUMMARY (Au/gt) |
|----------|----------|---------|-----------------------|--------------------|-----------------|-------------------|---------------------|--------------------------------|
| WRB 1792 | 8800     | 9875    | 090/60                | 18                 | 30/10/89        | 7                 |                     | 15-16m: 1m @ 0.13              |
| 1793     | 8800     | 9862.5  | 090/60                | 20                 | 30/10/89        | 6                 |                     | Nil Mineralization             |
| 1794     | 8800     | 9850    | 090/60                | 20                 | 30/10/89        | 6                 |                     | Nil Mineralization             |
| 1795     | 8800     | 9837.5  | 090/60                | 19                 | 30/10/89        | 6                 |                     | Nil Mineralization             |
| 1796     | 8800     | 9825    | 090/60                | 20                 | 31/10/89        | 6                 |                     | Nil Mineralization             |
| 1797     | 8800     | 9812.5  | 090/60                | 20                 | 31/10/89        | 6                 |                     | Nil Mineralization             |
| 1798     | 8800     | 9800    | 090/60                | 20                 | 31/10/89        | 10                |                     | Nil Mineralization             |
| 1799     | 8800     | 9787.5  | 090/60                | 20                 | 31/10/89        | 7                 |                     | Nil Mineralization             |
| WRB 1800 | 8800     | 9775    | 090/60                | 20                 | 31/10/89        | 9                 |                     | Nil Mineralization             |

TABLE 4-7 TRAMWAY EAST RAB DRILLHOLE AND MINERALIZATION SUMMARY

| HOLE NO. | NORTHING | EASTING | AZIMUTH/DIP<br>(GRID) | TOTAL DEPTH<br>(M) | DATE<br>DRILLED | NO. OF<br>SAMPLES | RESULTS<br>RECEIVED | MINERALIZATION SUMMARY (Au/gt) |
|----------|----------|---------|-----------------------|--------------------|-----------------|-------------------|---------------------|--------------------------------|
| MRB 1801 | 8800     | 9762.5  | 090/60                | 20                 | 31/10/89        | 7                 |                     | Nil Mineralization             |
| 1802     | 8800     | 9750    | 090/60                | 20                 | 31/10/89        | 7                 |                     | Nil Mineralization             |
| 1803     | 8800     | 9737.5  | 090/60                | 20                 | 31/10/89        | 9                 |                     | Nil Mineralization             |
| 1804     | 8800     | 9725    | 090/60                | 20                 | 31/10/89        | 6                 |                     | Nil Mineralization             |
| 1805     | 8800     | 9712.5  | 090/60                | 16                 | 31/10/89        | 4                 |                     | Nil Mineralization             |
| 1806     | 8800     | 9700    | 090/60                | 19                 | 31/10/89        | 6                 |                     | Nil Minerlization              |

## 7. RESULTS/GEOCHEMISTRY

For the purposes of this report, relinquished claim areas have been divided up locally into three tenement areas. These tenement areas are listed in Section 1 (Summary) of this report and are shown on Fig. 1. Geochemical results are presented in Plates 2 and 3 and are discussed for each tenement group area as follows.

### 7.1 Tramway East (See Plates 2 and 5)

Soil sampling showed two anomalous trends. One is located west of the anticline axis and trends at 125°M. The second is located east of the anticline axis and trends at 146°M.

Assay values and locations of the anomalies are as follows:-

#### Western Anomaly

|       |       |           |
|-------|-------|-----------|
| 9100N | 9550E | 40ppb Au  |
| 9000N | 9625E | 144ppb Au |
|       | 9600E | 136ppb Au |
|       | 9550E | 324ppb Au |
| 8800N | 9625E | 48ppb Au  |

#### Eastern Anomaly

|       |        |           |
|-------|--------|-----------|
| 9200N | 10325E | 126ppb Au |
| 9000N | 10225E | 36ppb Au  |
|       | 10250E | 36ppb Au  |
| 8800N | 10225E | 132ppb Au |

Four RAB lines were drilled to test the western soil anomaly and inferred Woolwonga anticlinal trend in the former EL4415A. Line 9000N was drilled to test soil anomaly between 9550E-9625E and consisted of 16 holes from 9487.5E to 9675E. Only one hole returned anomalous Au, this being at 9600E, WRB1611 (0-2m: 2m @ 0.14ppm). This anomaly is colluvium related and, as such, supports the soil anomalies but indicates no hard rock potential.

Three RAB lines were drilled across the inferred axial trend of the Woolwonga anticline, at 9200N, 9875E - 10025E: 9000N, 9875E-9975E and 8800N, 9700-1050E.

## **7.1 Tramway East (Cont'd)**

These returned minor anomalous values as listed below:-

Axial Anomaly:

|               |                          |
|---------------|--------------------------|
| 9200N 9912.5E | 8-11m: 3m @ 0.10 ppm Au  |
| 8800N 9900E   | 5-6m: 1m @ 0.08 ppm Au   |
| 9887.5E       | 6-9m: 3m @ 0.13 ppm Au   |
| 9875E         | 15-16m: 1m @ 0.13 ppm Au |

RAB hole "fence" sections are presented on Plate 5.

## **7.2 Margaret River (see Plates 2 and 3)**

A total of 129 soil samples and 37 lag samples were taken from the claim areas. A best result of 0.05ppm Au was returned (Sample No. 175928) from a soil sample whilst the best result from a lag sample was 0.41ppm Au (Sample No. 426994). The remaining sample, results, (128 soils and 36 lag samples) all assayed Bid (<0.01ppm.).

## **7.3 Magnetic Springs (See Plate 3 and 6)**

Regional 1:10,000 scale geological mapping was completed over the tenement area. Follow up rock chip sampling (16) indicated weak Au and Cu anomalies. Samples were assayed for Au, Ag, Cu, Pb, Zn and As. Best results were -Au (Max. 0.67ppm) and As (max. 2200ppm) and Cu (max. 228 ppm).

The ground magnetics survey completed over the gridded portion of the claim area detected magnetic peaks and troughs which coincided with the airborne magnetics survey data. Detailed mapping (1:10000 scale) indicated these peaks and troughs appear to be a result of outcropping and/or shallowly buried iron-rich Koolpin Formation sediments which are present in the core of a gentle north plunging anticline (co-ordinates 10350N, 5330E) and as steeply dipping thrusts on the eastern edge of the survey area. The intensity of the magnetic peaks, in both above cases, lessens towards the north as a result of increasing depths of burial.

## **8. CONCLUSIONS AND RECOMMENDATIONS**

### **8.1 Tramway East**

Soil sampling delineated several weakly anomalous zones within the Tramway East area. Follow up RAB drilling indicates that eastern and western anomalies are colluvium related and that axial anomaly is related to weak quartz stockworking associated with the inferred axial trend of the Woolwonga anticline.

### **8.2 Margaret River**

Significant soil and lag sampling within these tenements failed to locate any anomalous gold mineralization.

### **8.3 Magnetic Springs**

Rock chip sampling within these tenement areas has defined weakly anomalous gold and base metal mineralization. A best rock chip sample result of 0.67ppm Au was returned.

Overall, little prospectivity for gold or base metal mineralization is indicated within the above claim areas. As a result a decision was made to relinquish the claims, which was effected 31 January 1992.



9. EXPENDITURE

|                      | JAN '89 - DEC '89 | JAN'90-DEC '90 | JAN '91-DEC '91 | TOTALS         |
|----------------------|-------------------|----------------|-----------------|----------------|
| Assays               | 7462              | 2,150          | 83              | 9,695          |
| Drilling RAB         | 1,990             |                | -               | 1,990          |
| Aerial Photography   | -                 | 123            | -               | 123            |
| Survey & Gridding    | 5,962             | -              | 2,180           | 8,142          |
| Earthworks           | 4,523             | -              | -               | 4,523          |
| Equipment            | 2,703             | 1,115          | 304             | 4,122          |
| Geophysics           | -                 | 1,770          |                 | 1,770          |
| Vehicles             | 2,057             | 6,517          | 1,705           | 10,279         |
| Travel & Accom.      | 930               | 1,105          | 2,227           | 4,262          |
| Field Supplies       | 4,020             | 3,115          | 387             | 7,522          |
| Freight              | 365               | 96             |                 | 461            |
| Salaries & Wages     | 8,224             | 24,502         | 13,452          | 46,778         |
| Drafting & Computing | 2,700             | 4,051          | 858             | 7,612          |
| Camp Rental          | 4,020             | 5,477          | 140             | 9,637          |
| Office Supplies      | -                 | 2,977          | 748             | 3,725          |
| Consultants          | -                 | 2,625          | -               | 2,625          |
| <b>SUB-TOTAL</b>     | <b>45,559</b>     | <b>55,623</b>  | <b>22,084</b>   | <b>123,266</b> |
| Administration       | 6,834             | 8,344          | 3,313           | 18,491         |
| <b>TOTALS</b>        | <b>52,393</b>     | <b>63,967</b>  | <b>25,397</b>   | <b>141,757</b> |

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# **APPENDIX 1**

## **TRAMWAY EAST RAB DRILL LOGS**

# Percussion Drill Hole Log

|                |         |            |
|----------------|---------|------------|
| PROSPECT       | WWA 5TH |            |
| CO-ORDS        | 9000N   | 9675E      |
| COLLAR R.L.    | 1095.58 | DEPTH 23   |
| COLLAR AZIM.   | 090     | INCL. 60   |
| DATE COMMENCED | 14.9.89 | COMPLETED  |
| LOGGED BY      | PLT     | SAMPLED BY |

| DEPTH   |    | DESCRIPTION                    | LITHOLOGY CODE | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 038 | ASSAY RESULTS |  |
|---------|----|--------------------------------|----------------|----------------|-------------|-----------------------|-----------------------------|---------------|--|
| From    | To |                                |                |                |             |                       |                             |               |  |
| 0       | 1  | Ch - rounded red/or. clay & Fe | Ch             |                |             | 2                     | 759                         |               |  |
| 1       | 2  | ch 20% ; Sgn. brn 80%          | Ch/Sgn         |                |             |                       |                             | 0.024         |  |
| 2       | 3  | gray/bn Sgn                    | 30 Sgn         |                |             |                       |                             |               |  |
| 3       | 4  | light bn Sgn                   | 30 Sgn         |                |             |                       | 760                         | 0.012         |  |
| 4       | 5  | a/a                            | 40 Sgn         |                |             |                       |                             |               |  |
| 5       | 6  | m bn Sgn                       | 30 Sgn         |                |             |                       |                             |               |  |
| 6       | 7  | m bn fg Sgn                    | 20 Sgn         |                |             |                       |                             |               |  |
| 7       | 8  | m bn Sgn                       | 20 Sgn         |                |             |                       | 761                         | 0.012         |  |
| 8       | 9  | m bn SS/Sgn                    | 20 SS/Sgn      |                |             |                       |                             |               |  |
| 9       | 10 | m bn Sgn                       | 30 Sgn         |                |             |                       |                             |               |  |
| 10      | 11 | m - light bn SS                | 20 SS          |                |             |                       |                             |               |  |
| 11      | 12 | bn - purp/bn Sgn               | 40 Sgn         |                |             |                       | 762                         | 0.024         |  |
| 12      | 13 | bn Sgn                         | 30 Sgn         |                |             |                       |                             |               |  |
| 13      | 14 | lgt bn Sgn                     | 30 Sgn         |                |             |                       |                             |               |  |
| 14      | 15 | c-m bn fg Sgn                  | 30 Sgn         |                |             |                       |                             |               |  |
| 15      | 16 | c-m bn SS                      | 40 SS          |                |             |                       | 763                         | 0.012         |  |
| 16      | 17 | bn ss (cl) bn Sgn (cl)         | 30 SS/Sgn      |                |             |                       |                             |               |  |
| 17      | 18 | mauve SS                       | 30 SS          |                |             |                       |                             |               |  |
| 18      | 19 | mauve & m bn SS                | 40 SS          |                |             |                       |                             | 0.012         |  |
| 19      | 20 | bn/gn Sgn                      | 20 Sgn         |                |             |                       | 764                         |               |  |
| REMARKS |    |                                |                |                |             |                       |                             |               |  |

|                |            |
|----------------|------------|
| PROSPECT       |            |
| CO-ORDS        |            |
| COLLAR R.L.    | DEPTH      |
| COLLAR AZIM.   | INCL.      |
| DATE COMMENCED | COMPLETED  |
| LOGGED BY      | SAMPLED BY |

[illegible]

DRILL HOLE No. RB1606



|                |         |            |
|----------------|---------|------------|
| PROSPECT       | WVGA    | ST+1       |
| CO-ORDS        | 9000N   | 96625E     |
| COLLAR R.L.    | 1095.77 | DEPTH 23   |
| COLLAR AZIM.   | 090     | INCL. 60   |
| DATE COMMENCED | 14.9.85 | COMPLETED  |
| LOGGED BY      | PLT     | SAMPLED BY |

| DEPTH   |    | DESCRIPTION                | LITHOLOGY CODE | Mineralisation |  |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 238 | ASSAY RESULTS |  |  |
|---------|----|----------------------------|----------------|----------------|--|--|--|-------------|-----------------------|-----------------------------|---------------|--|--|
| From    | To |                            |                |                |  |  |  |             |                       |                             | Au            |  |  |
| 0       | 1  | dw. rounded sand & fine    | dw             |                |  |  |  |             | 2                     | 766                         |               |  |  |
| 1       | 2  | dw. 30% ind.; light fg sqw | dw/sqw         |                |  |  |  |             |                       |                             | 0.024         |  |  |
| 2       | 3  | m/or bn sqw                | 30 sqw         |                |  |  |  |             |                       |                             |               |  |  |
| 3       | 4  | q/a                        | 50 sqw         |                |  |  |  |             |                       | 757                         | 0.002         |  |  |
| 4       | 5  | light bn sqw fg            | 30 sqw         |                |  |  |  |             |                       |                             |               |  |  |
| 5       | 6  | q/a                        | 40 sqw         |                |  |  |  |             |                       |                             |               |  |  |
| 6       | 7  | m bn sqw                   | 30 sqw         |                |  |  |  |             |                       |                             |               |  |  |
| 7       | 8  | mau/bn sqw                 | 50 sqw         |                |  |  |  |             |                       |                             |               |  |  |
| 8       | 9  | m bn sqw                   | 30 sqw         |                |  |  |  |             |                       | 768                         | 0.002         |  |  |
| 9       | 10 | q/a                        | 40 sqw         |                |  |  |  |             |                       |                             |               |  |  |
| 10      | 11 | m bn ss & clear            | 30 ss 1/2      |                |  |  |  |             |                       | 769                         | 0.002         |  |  |
| 11      | 12 | light g/y ss               | 40 ss          |                |  |  |  |             |                       |                             |               |  |  |
| 12      | 13 | mau/bn ss                  | 30 ss          |                |  |  |  |             |                       |                             |               |  |  |
| 13      | 14 | mau/red ss                 | 30 ss          |                |  |  |  |             |                       | 770                         | 0.002         |  |  |
| 14      | 15 | m bn ss                    | 30 ss          |                |  |  |  |             |                       |                             |               |  |  |
| 15      | 16 | mau/bn fg sqw              | 40 sqw         |                |  |  |  |             |                       |                             |               |  |  |
| 16      | 17 | m bn fg sqw                | 30 sqw         |                |  |  |  |             |                       | 771                         | 0.002         |  |  |
| 17      | 18 | q/a                        | 30 ss          |                |  |  |  |             |                       |                             |               |  |  |
| 18      | 19 | q/a                        | 40 sqw         |                |  |  |  |             |                       |                             |               |  |  |
| 19      | 20 | bn/mauve ss & clear        | 30 sqw         |                |  |  |  |             |                       | 5772                        | 0.002         |  |  |
| REMARKS |    |                            |                |                |  |  |  |             |                       |                             |               |  |  |

DRILL HOLE No. WB160C



|                |            |
|----------------|------------|
| PROSPECT       |            |
| CO-ORDS        |            |
| COLLAR R.L.    | DEPTH      |
| COLLAR AZIM.   | INCL.      |
| DATE COMMENCED | COMPLETED  |
| LOGGED BY      | SAMPLED BY |

[illegible]

**DRILL HOLE No.** WRB/607



|                |         |            |
|----------------|---------|------------|
| PROSPECT       | WWQA5TH |            |
| CO-ORDS        | 9000N   | 9650E      |
| COLLAR R.L.    | 1095.96 | DEPTH 23   |
| COLLAR AZIM.   | 090     | INCL. 60   |
| DATE COMMENCED | 14.9.89 | COMPLETED  |
| LOGGED BY      | PLT     | SAMPLED BY |

| DEPTH   |    | DESCRIPTION                                           | LITHOLOGY CODE | Mineralisation |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number | ASSAY RESULTS |  |  |
|---------|----|-------------------------------------------------------|----------------|----------------|--|--|-------------|-----------------------|---------------|---------------|--|--|
| From    | To |                                                       |                |                |  |  |             |                       |               |               |  |  |
| 0       | 1  | ch - rannw & Fe                                       | CW             |                |  |  |             |                       | 7075          |               |  |  |
| 1       | 2  | ch - rnd or (red) ssi yell/bn                         | CH/SSI         |                |  |  |             |                       |               | 0.012         |  |  |
| 2       | 3  | y/lw/bn ssi 40. 1/bn ssn <sup>50%</sup> Q             | 20 SSI/Sn/Q    |                |  |  |             |                       | 10 776        | 0.012         |  |  |
| 3       | 4  | y/lw/bn ssi. Q & c.l.                                 | 20 SSI/Q       |                |  |  |             |                       | 30 777        | <0.012        |  |  |
| 4       | 5  | a/a                                                   | 30 SSI/Q       |                |  |  |             |                       | 60 778        | 0.036         |  |  |
| 5       | 6  | SSI bn/gry Q c.l. Ft                                  | 30 SSI/Q       |                |  |  |             |                       | 80 779        | 0.024         |  |  |
| 6       | 7  | bn ssi 40% dk bn ssn 30% <sup>med. Q &amp; c.l.</sup> | 30 SSI/Sn      |                |  |  |             |                       | 5 780         | 0.036         |  |  |
| 7       | 8  | bn/gry ssi tr Q                                       | 30 SSI         |                |  |  |             |                       | tr            |               |  |  |
| 8       | 9  | m bn ssn tr Q                                         | 30 Ssn         |                |  |  |             |                       | 2             |               |  |  |
| 9       | 10 | w/bn ssn                                              | 50 Ssn         |                |  |  |             |                       | 781           | 0.036         |  |  |
| 10      | 11 | m bn ssi                                              | 30 SSI         |                |  |  |             |                       |               |               |  |  |
| 11      | 12 | a/a                                                   | 40 SSI         |                |  |  |             |                       |               |               |  |  |
| 12      | 13 | a/a                                                   | 30 SSI         |                |  |  |             |                       | 782           | <0.012        |  |  |
| 13      | 14 | a/a tr Q                                              | 40 SSI         |                |  |  |             |                       | tr            |               |  |  |
| 14      | 15 | a/a                                                   | 30 SSI         |                |  |  |             |                       | tr            |               |  |  |
| 15      | 16 | m bn/med ssi                                          | 20 SSI         |                |  |  |             |                       |               |               |  |  |
| 16      | 17 | bn - gry ssi                                          | 60 SSI         |                |  |  |             |                       |               |               |  |  |
| 17      | 18 | bn - red ssi                                          | 30 SSI         |                |  |  |             |                       | 783           | <0.012        |  |  |
| 18      | 19 | m bn ssn                                              | 30 Ssn         |                |  |  |             |                       |               |               |  |  |
| 19      | 20 | a/a                                                   | 60 Ssn         |                |  |  |             |                       |               |               |  |  |
| REMARKS |    |                                                       |                |                |  |  |             |                       |               |               |  |  |





# Percussion Drill Hole Log

|                |            |
|----------------|------------|
| PROSPECT       |            |
| CO-ORDS        |            |
| COLLAR R.L.    | DEPTH      |
| COLLAR AZIM.   | INCL.      |
| DATE COMMENCED | COMPLETED  |
| LOGGED BY      | SAMPLED BY |

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DRILL HOLE No. and B 1608



# Percussion Drill Hole Log

|                |               |
|----------------|---------------|
| PROSPECT       | WASHAETH      |
| CO-ORDS        | 9000N 9637.5E |
| COLLAR R.L.    | 1095.91       |
| COLLAR AZIM.   | 090           |
| DEPTH          | 23            |
| INCL.          | 60            |
| DATE COMMENCED | 14-9-89       |
| COMPLETED      |               |
| LOGGED BY      | PLT           |
| SAMPLED BY     |               |

| DEPTH |    | DESCRIPTION                    | LITHOLOGY CODE | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix | ASSAY RESULTS |  |
|-------|----|--------------------------------|----------------|----------------|-------------|-----------------------|-------------------------|---------------|--|
| From  | To |                                |                |                |             |                       |                         |               |  |
| 0     | 1  | clw - rounded Qz Fc            | clw            |                |             |                       |                         |               |  |
| 1     | 2  | clw - rounded red; ss! bml/gln | clw/ss!        |                |             | 15                    | 786                     | 0.048         |  |
| 2     | 3  | m. light bn Squd Qz Fc         | 20 Squ         |                |             | 2                     |                         |               |  |
| 3     | 4  | m bn Squd Q Fc                 | 30 Squ         |                |             | 2                     | 787                     | 0.024         |  |
| 4     | 5  | m bn Squd                      | 30 Squ         |                |             |                       |                         |               |  |
| 5     | 6  | a/a                            | 20 Squ         |                |             |                       |                         |               |  |
| 6     | 7  | m bn Squd 10% mag              | 30 Squ         |                |             |                       |                         |               |  |
| 7     | 8  | m bn Squd                      | 40 Squ         |                |             |                       |                         |               |  |
| 8     | 9  | m/or bn Squd                   | 30 SS!         |                |             |                       | 788                     | 0.012         |  |
| 9     | 10 | m-dk bn Squd                   | 20 Squ         |                |             |                       |                         |               |  |
| 10    | 11 | a/a                            | 20 Squ         |                |             |                       |                         |               |  |
| 11    | 12 | red bn Squd                    | 30 Squ         |                |             |                       | 789                     | 0.024         |  |
| 12    | 13 | bn Squd (1) SS! (60)           | 40 Squ/SS!     |                |             |                       |                         |               |  |
| 13    | 14 | bn/gln - bn/red fg Squ         | 30 Squ         |                |             |                       |                         |               |  |
| 14    | 15 | bn & gln Squ fg                | 30 Squ         |                |             |                       |                         |               |  |
| 15    | 16 | - gln Squ                      | 20 Squ         |                |             |                       | 790                     | 0.024         |  |
| 16    | 17 | bn/red Squ fg                  | 20 Squ         |                |             |                       |                         |               |  |
| 17    | 18 | m bn SS!                       | 30 SS!         |                |             |                       |                         |               |  |
| 18    | 19 | gln SS!                        | 30 SS!         |                |             |                       |                         |               |  |
| 19    | 20 | m bn fg Squ                    | 50 Squ         |                |             |                       | 791                     | 0.012         |  |



## Percussion Drill Hole Log

|                |            |
|----------------|------------|
| PROSPECT       |            |
| CO-ORDS        |            |
| COLLAR R.L.    | DEPTH      |
| COLLAR AZIM.   | INCL.      |
| DATE COMMENCED | COMPLETED  |
| LOGGED BY      | SAMPLED BY |

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|                |                   |
|----------------|-------------------|
| PROSPECT       | WWQA 5TH          |
| CO-ORDS        | 9000N 4625E       |
| COLLAR R.L.    | 1095.85 DEPTH 23  |
| COLLAR AZIM.   | 090 INCL. 60      |
| DATE COMMENCED | 14-9-89 COMPLETED |
| LOGGED BY      | PLT SAMPLED BY    |

| DEPTH   |    | DESCRIPTION                                 | LITHOLOGY CODE | Mineralisation |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 238 | ASSAY RESULTS |  |
|---------|----|---------------------------------------------|----------------|----------------|--|--|-------------|-----------------------|-----------------------------|---------------|--|
| From    | To |                                             |                |                |  |  |             |                       |                             |               |  |
| 0       | 1  | Ch-oxidized rind & Fe-st                    | Ch             |                |  |  |             | 107.93                | 0.002                       | 0.002         |  |
| 1       | 2  | Ch-nw Fe Q, Sgw light brn                   | Ch/Sgw         |                |  |  |             |                       |                             |               |  |
| 2       | 3  | light-brn Sgw Sgw 40                        | Sgw            |                |  |  |             | 2                     |                             |               |  |
| 3       | 4  | brn Sgw 30 Sgw                              | Sgw            |                |  |  |             | 79.4                  | 0.048                       |               |  |
| 4       | 5  | m brn Sgw 80% gny clay 30 Sgw               | Sgw            |                |  |  |             |                       |                             |               |  |
| 5       | 6  | m brn Sgw 20 Sgw                            | Sgw            |                |  |  |             |                       |                             |               |  |
| 6       | 7  | m brn SSI w/sgw <sup>many</sup> tra 30 SSI  | SSI            |                |  |  |             | tr                    |                             |               |  |
| 7       | 8  | m brn SSI 20 SSI                            | SSI            |                |  |  |             | 79.5                  | 0.002                       |               |  |
| 8       | 9  | brn Sgw 30 Sgw                              | Sgw            |                |  |  |             |                       |                             |               |  |
| 9       | 10 | <del>sgw</del> m brn SSI 40 SSI             | SSI            |                |  |  |             |                       |                             |               |  |
| 10      | 11 | a/a 20 SSI                                  | SSI            |                |  |  |             | 79.6                  | 0.002                       |               |  |
| 11      | 12 | m brn Sgw Q <sup>th</sup> clear 30 Sgw/Q    | Sgw/Q          |                |  |  |             | 20 79.7               | 0.002                       |               |  |
| 12      | 13 | m brn Smed Q <sup>th</sup> clear 10 Snd/Q   | Snd/Q          |                |  |  |             | 40 79.8               | 0.002                       | 0.024         |  |
| 13      | 14 | brn Smed Q <sup>th</sup> clear 20 Snd/Q     | Snd/Q          |                |  |  |             | 15 79.9               | 0.010                       |               |  |
| 14      | 15 | m brn SSI Q <sup>th</sup> 30 SSI            | SSI            |                |  |  |             | 5 80.0                | 0.002                       |               |  |
| 15      | 16 | m brn SSI 50 SSI                            | SSI            |                |  |  |             | 80.1                  | 0.012                       |               |  |
| 16      | 17 | gca 40 SSI                                  | SSI            |                |  |  |             |                       |                             |               |  |
| 17      | 18 | m-dk brn Sgw Q clear 50 Snd/Q               | Snd/Q          |                |  |  |             | 50 80.2               | 0.024                       |               |  |
| 18      | 19 | m brn Smed Q clear 40 Snd/Q                 | Snd/Q          |                |  |  |             | 40 80.3               | 0.024                       |               |  |
| 19      | 20 | m brn SSI Q clear <sup>hr Fe</sup> 20 SSI/Q | SSI/Q          |                |  |  |             | 25 80.4               | 0.002                       |               |  |
| REMARKS |    |                                             |                |                |  |  |             |                       |                             |               |  |

# Percussion Drill Hole Log

|                |            |
|----------------|------------|
| PROSPECT       |            |
| CO-ORDS        |            |
| COLLAR R.L.    | DEPTH      |
| COLLAR AZIM.   | INCL.      |
| DATE COMMENCED | COMPLETED  |
| LOGGED BY      | SAMPLED BY |

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# Percussion Drill Hole Log

|                |           |            |
|----------------|-----------|------------|
| PROSPECT       | CWNGA STH |            |
| CO-ORDS        | 9000N     | 9612 SE    |
| COLLAR R.L.    | 1095.8    | DEPTH      |
| COLLAR AZIM.   | 090       | INCL. 60   |
| DATE COMMENCED | 11-9-87   | COMPLETED  |
| LOGGED BY      | PLT       | SAMPLED BY |

| DEPTH |    | DESCRIPTION           | LITHOLOGY CODE | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 238 | ASSAY RESULTS |  |
|-------|----|-----------------------|----------------|----------------|-------------|-----------------------|-----------------------------|---------------|--|
| From  | To |                       |                |                |             |                       |                             |               |  |
| 0     | 1  | ch - red. red         | CW             |                |             |                       | 08                          |               |  |
| 1     | 2  | ch. red red. light ss | Ch/SS          |                |             |                       |                             | 0.024         |  |
| 2     | 3  | light bn ss 20% sqw   | 30 SS/sqw      |                |             |                       |                             |               |  |
| 3     | 4  | light gray ss         | 30 SS          |                |             |                       |                             |               |  |
| 4     | 5  | a/a 20% clay          | 40 SS          |                |             |                       | 809                         | 0.012         |  |
| 5     | 6  | light m gray ss       | 30 SS          |                |             |                       |                             |               |  |
| 6     | 7  | m gray ss             | 20 SS          |                |             |                       |                             |               |  |
| 7     | 8  | m bn fgy sqw          | 30 sqw         |                |             |                       |                             |               |  |
| 8     | 9  | m bn ss               | 20 SS          |                |             |                       | 810                         | 0.012         |  |
| 9     | 10 | a/a                   | 30 SS          |                |             |                       |                             |               |  |
| 10    | 11 | m gray - bn ss        | 40 SS          |                |             |                       |                             |               |  |
| 11    | 12 | light bn/gray ss      | 20 SS          |                |             |                       |                             |               |  |
| 12    | 13 | a/a m Q               | 30 SS          |                |             |                       | 2811                        | 0.012         |  |
| 13    | 14 | light bn ss           | 50 SS          |                |             |                       |                             |               |  |
| 14    | 15 | a/a Q clear           | 40 SS          |                |             |                       | 5812                        | 0.012         |  |
| 15    | 16 | m or/bn ss            | 20 SS          |                |             |                       |                             |               |  |
| 16    | 17 | m bn fgy sqw          | 30 sqw         |                |             |                       |                             |               |  |
| 17    | 18 | a/a                   | 40 sqw         |                |             |                       | 813                         | 0.012         |  |
| 18    | 19 | m-light bn ss         | 30 SS          |                |             |                       |                             |               |  |
| 19    | 20 | bn/red ss             | 30 SS          |                |             |                       |                             |               |  |



## Percussion Drill Hole Log

|                |            |
|----------------|------------|
| PROSPECT       |            |
| CO-ORDS        |            |
| COLLAR R.L.    | DEPTH      |
| COLLAR AZIM.   | INCL.      |
| DATE COMMENCED | COMPLETED  |
| LOGGED BY      | SAMPLED BY |

[illegible]

DRILL HOLE No. URB 164



|                |                   |
|----------------|-------------------|
| PROSPECT       | WUWA 5TH          |
| CO-ORDS        | 9000N 9600E       |
| COLLAR R.L.    | 1095.75 DEPTH 23  |
| COLLAR AZIM.   | 090 INCL. 60      |
| DATE COMMENCED | 14.9.89 COMPLETED |
| LOGGED BY      | PLT SAMPLED BY    |

| DEPTH |    | DESCRIPTION                | LITHOLOGY CODE | Mineralisation |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 238 | ASSAY RESULTS |  |  |
|-------|----|----------------------------|----------------|----------------|--|--|-------------|-----------------------|-----------------------------|---------------|--|--|
| From  | To |                            |                |                |  |  |             |                       |                             | Au            |  |  |
| 0     | 1  | CW - rnd. sqw ss FeSt      | LW             |                |  |  |             | 40                    |                             |               |  |  |
| 1     | 2  | CW - rnd. ss FeSt - m. sqw | CW/sqw         |                |  |  |             | 5815                  | 0.144                       |               |  |  |
| 2     | 3  | bcr / qtz ssi              | 30 SSI         |                |  |  |             |                       |                             |               |  |  |
| 3     | 4  | bcr ssi                    | 20 SSI         |                |  |  |             |                       |                             |               |  |  |
| 4     | 5  | m bcr ssi                  | 60 SSI         |                |  |  |             | 816                   | 0.012                       |               |  |  |
| 5     | 6  | qtz ssi                    | 30 SSI         |                |  |  |             |                       |                             |               |  |  |
| 6     | 7  | qla                        | 40 SSI         |                |  |  |             |                       |                             |               |  |  |
| 7     | 8  | light gray / bcr ssi       | 40 SSI         |                |  |  |             |                       |                             |               |  |  |
| 8     | 9  | m bcr                      | 30 SSI         |                |  |  |             | 817                   | 0.012                       |               |  |  |
| 9     | 10 | gray ssi                   | 40 SSI         |                |  |  |             |                       |                             |               |  |  |
| 10    | 11 | qla                        | 30 SSI         |                |  |  |             |                       |                             |               |  |  |
| 11    | 12 | bcr / qtz ssi              | 30 SSI         |                |  |  |             |                       |                             |               |  |  |
| 12    | 13 | m bcr ssi                  | 40 SSI         |                |  |  |             | 818                   | 0.012                       |               |  |  |
| 13    | 14 | m bcr ssi                  | 30 SSI         |                |  |  |             |                       |                             |               |  |  |
| 14    | 15 | qla                        | 20 SSI         |                |  |  |             |                       |                             |               |  |  |
| 15    | 16 | bcr + gray ssi             | 50 SSI         |                |  |  |             |                       |                             |               |  |  |
| 16    | 17 | m bcr ssi                  | 30 SSI         |                |  |  |             | 819                   | 0.012                       |               |  |  |
| 17    | 18 | m bcr ssi                  | 30 SSI         |                |  |  |             |                       |                             |               |  |  |
| 18    | 19 | m bcr fq sqw               | 50 sqw         |                |  |  |             |                       |                             |               |  |  |
| 19    | 20 | m bcr ssi                  | 30 SSI         |                |  |  |             |                       |                             |               |  |  |

REMARKS



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|                |            |
|----------------|------------|
| PROSPECT       |            |
| CO-ORDS        |            |
| COLLAR R.L.    | DEPTH      |
| COLLAR AZIM.   | INCL.      |
| DATE COMMENCED | COMPLETED  |
| LOGGED BY      | SAMPLED BY |

[illegible]

DRILL HOLE No. CRB12



|                |                  |
|----------------|------------------|
| PROSPECT       | WWYA ST 4        |
| CO-ORDS        | 9000N 9587.5E    |
| COLLAR R.L.    | 1095.62 DEPTH 23 |
| COLLAR AZIM.   | 090 INCL. 60     |
| DATE COMMENCED | 149.87 COMPLETED |
| LOGGED BY      | PJT SAMPLED BY   |

| DEPTH |    | DESCRIPTION              | LITHOLOGY CODE | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 238 | ASSAY RESULTS |       |
|-------|----|--------------------------|----------------|----------------|-------------|-----------------------|-----------------------------|---------------|-------|
| From  | To |                          |                |                |             |                       |                             |               |       |
| 0     | 1  | cn - red red Qtz Fc      | CN             |                |             | 5                     |                             |               |       |
| 1     | 2  | cn - red red. sqw brn 3/ | cn/sq          |                |             |                       | 822                         | 0.02          |       |
| 2     | 3  | cn H. sqw brn            | 60 cn/sqw      |                |             |                       |                             |               |       |
| 3     | 4  | light or/brn sqw         | 70 sqw         |                |             |                       | 823                         | 0.02          |       |
| 4     | 5  | brn sqw 20/ grey clay    | 60 sqw         |                |             |                       |                             |               |       |
| 5     | 6  | brn brn sqw              | 50 sqw         |                |             |                       |                             |               |       |
| 6     | 7  | brn brn to grey sqw      | 70 sqw         |                |             |                       |                             |               |       |
| 7     | 8  | brn brn / grey STI       | 50 STI         |                |             |                       |                             |               |       |
| 8     | 9  | brn sqw                  | 50 sqw         |                |             |                       | 824                         | 0.02          |       |
| 9     | 10 | brn brn sqw              | 60 sqw         |                |             |                       |                             |               |       |
| 10    | 11 | a/a                      | 40 sqw         |                |             |                       |                             |               |       |
| 11    | 12 | a/a                      | 50 sqw         |                |             |                       |                             |               |       |
| 12    | 13 | light grey STI           | 40 STI         |                |             |                       | 825                         | 0.02          |       |
| 13    | 14 | brn brn sqw              | 50 sqw         |                |             |                       |                             |               |       |
| 14    | 15 | a/a                      | 40 sqw         |                |             |                       |                             |               |       |
| 15    | 16 | a/a                      | 40 sqw         |                |             |                       |                             |               |       |
| 16    | 17 | brn/grey sqw             | 60 sqw         |                |             |                       | 826                         | 0.02          | 0.048 |
| 17    | 18 | light brn brn sqw        | 60 sqw         |                |             |                       |                             |               |       |
| 18    | 19 | a/a                      | 50 sqw         |                |             |                       |                             |               |       |
| 19    | 20 | a/a                      | 40 sqw         |                |             |                       | 827                         | 0.02          |       |



|                |            |
|----------------|------------|
| PROSPECT       |            |
| CO-ORDS        |            |
| COLLAR R.L.    | DEPTH      |
| COLLAR AZIM.   | INCL.      |
| DATE COMMENCED | COMPLETED  |
| LOGGED BY      | SAMPLED BY |

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|                        |            |
|------------------------|------------|
| PROSPECT WWHIA STM     |            |
| CO-ORDS 9000N          | 9575E      |
| COLLAR R.L. 1095.49    | DEPTH      |
| COLLAR AZIM. 090       | INCL. 60   |
| DATE COMMENCED 14.9.89 | COMPLETED  |
| LOGGED BY PCT          | SAMPLED BY |

| DEPTH   |    | DESCRIPTION                 | LITHOLOGY CODE | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 238 | ASSAY RESULTS |  |  |
|---------|----|-----------------------------|----------------|----------------|-------------|-----------------------|-----------------------------|---------------|--|--|
| From    | To |                             |                |                |             |                       |                             |               |  |  |
| 0       | 1  | Ch - red rnd. Qz r-c        | Ch             |                |             | 10                    | 829                         | 0.012         |  |  |
| 1       | 2  | Ch - red rnd. / Sq w/ light | Ch/Sq          |                |             |                       |                             |               |  |  |
| 2       | 3  | light bn Sq w. Qz r-c       | 70 Sq          |                |             | 1                     |                             |               |  |  |
| 3       | 4  | lgt bn Sq w                 | 70 Sq w        |                |             |                       |                             |               |  |  |
| 4       | 5  | a/a                         | 80 Sq w        |                |             |                       | 830                         | 0.002         |  |  |
| 5       | 6  | a/a 2/ mag                  | 70 Sq w        |                |             |                       |                             |               |  |  |
| 6       | 7  | m bn sq w                   | 50 Sq w        |                |             |                       |                             |               |  |  |
| 7       | 8  | a/a                         | 40 Sq w        |                |             |                       |                             |               |  |  |
| 8       | 9  | m bn fq sq w                | 40 Sq w        |                |             |                       | 831                         | 0.012         |  |  |
| 9       | 10 | a/a                         | 40 Sq w        |                |             |                       |                             |               |  |  |
| 10      | 11 | Sq w bn 30% gray SSI        | 60 Sq w/SSI    |                |             |                       |                             |               |  |  |
| 11      | 12 | lgt bn/gm SSI               | 20 SSI         |                |             |                       |                             |               |  |  |
| 12      | 13 | SSI 60% Sq w Qz             | 40 SSI/Sq w    |                |             |                       | 832                         | 0.002         |  |  |
| 13      | 14 | bn Sq w 40% SSI 80% Qz      | 40 SSI/Sq w    |                |             |                       |                             |               |  |  |
| 14      | 15 | gray SSI 30% bn Sq w 70%    | 50 SSI/Sq w    |                |             |                       |                             |               |  |  |
| 15      | 16 | fq lgt bn Sq w              | 40 Sq w        |                |             |                       |                             |               |  |  |
| 16      | 17 | gray SSI                    | 50 SSI         |                |             |                       | 833                         | 0.012         |  |  |
| 17      | 18 | m bn SSI                    | 40 SSI         |                |             |                       |                             |               |  |  |
| 18      | 19 | m bn / gray SSI             | 40 SSI         |                |             |                       |                             |               |  |  |
| 19      | 20 | m bn fq Sq w                | 60 Sq w        |                |             |                       |                             |               |  |  |
| REMARKS |    |                             |                |                |             |                       |                             |               |  |  |

## Percussion Drill Hole Log

|                |            |
|----------------|------------|
| PROSPECT       |            |
| CO-ORDS        |            |
| COLLAR R.L.    | DEPTH      |
| COLLAR AZIM.   | INCL.      |
| DATE COMMENCED | COMPLETED  |
| LOGGED BY      | SAMPLED BY |

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# Percussion Drill Hole Log

|                |                   |
|----------------|-------------------|
| PROSPECT       | WHLA STM          |
| CO-ORDS        | 9000N 9562.5 E    |
| COLLAR R.L.    | 1095.87 DEPTH 23  |
| COLLAR AZIM.   | 090 INCL. 60      |
| DATE COMMENCED | 14 9-89 COMPLETED |
| LOGGED BY      | PLT SAMPLED BY    |

| DEPTH |    | DESCRIPTION             | LITHOLOGY CODE | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 252 | ASSAY RESULTS |  |
|-------|----|-------------------------|----------------|----------------|-------------|-----------------------|-----------------------------|---------------|--|
| From  | To |                         |                |                |             |                       |                             |               |  |
| 0     | 1  | Ch-or-red rnd Qtz Fe    | CW             |                |             | 16                    | 835                         |               |  |
| 1     | 2  | Ch/or-red rnd Qtz Fe    | CW             |                |             | 3                     |                             | 0.24          |  |
| 2     | 3  | light bn SSl            | 30 SSl         |                |             |                       |                             |               |  |
| 3     | 4  | bn SSl                  | 30 SSl         |                |             |                       |                             |               |  |
| 4     | 5  | m bn SSl                | 20 SSl         |                |             |                       | 837                         | 0.36          |  |
| 5     | 6  | m/or bn SSl             | 30 SSl         |                |             |                       |                             |               |  |
| 6     | 7  | m bn SSl                | 40 SSl         |                |             |                       |                             |               |  |
| 7     | 8  | m bn SSl 10% mag        | 30 SSl         |                |             |                       |                             |               |  |
| 8     | 9  | m bn SSl Qtz Fe         | 30 SSl         |                |             | 2                     | 838                         | 0.02          |  |
| 9     | 10 | m bn SSl                | 40 SSl         |                |             |                       |                             |               |  |
| 10    | 11 | m bn SSl                | 30 SSl         |                |             |                       |                             |               |  |
| 11    | 12 | a/a                     | 30 SSl         |                |             |                       |                             |               |  |
| 12    | 13 | m- lgt bn SSl           | 30 SSl         |                |             |                       | 839                         | 0.024         |  |
| 13    | 14 | m bn SSl                | 40 SSl         |                |             |                       |                             |               |  |
| 14    | 15 | a/a                     | 40 SSl         |                |             |                       |                             |               |  |
| 15    | 16 | m bn SSl 50% clay       | 30 SSl         |                |             |                       |                             |               |  |
| 16    | 17 | a/a 70% clay            | 30 SSl         |                |             |                       | 840                         | 0.02          |  |
| 17    | 18 | m bn SSl 20% clay       | 40 SSl         |                |             |                       |                             |               |  |
| 18    | 19 | m- dk bn Squ fg         | 40 Squ         |                |             |                       |                             |               |  |
| 19    | 20 | m. bn / m. ve 8% fg Squ | 30 Squ         |                |             |                       | 841                         | 0.02          |  |

## Percussion Drill Hole Log

|                |            |
|----------------|------------|
| PROSPECT       |            |
| CO-ORDS        |            |
| COLLAR R.L.    | DEPTH      |
| COLLAR AZIM.   | INCL.      |
| DATE COMMENCED | COMPLETED  |
| LOGGED BY      | SAMPLED BY |

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12

|                |              |
|----------------|--------------|
| PROSPECT       | WUWA 5TH     |
| CO-ORDS        | 9000N 76503E |
| COLLAR R.L.    | 1095.24      |
| COLLAR AZIM.   | 090          |
| DEPTH          | INCL 60      |
| DATE COMMENCED | 14.9.89      |
| LOGGED BY      | PLT          |
| COMPLETED      | SAMPLED BY   |

| DEPTH   |    | DESCRIPTION              | LITHOLOGY CODE | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Protok<br>258 | ASSAY RESULTS |  |
|---------|----|--------------------------|----------------|----------------|-------------|-----------------------|--------------------------------|---------------|--|
| From    | To |                          |                |                |             |                       |                                | Au            |  |
| 0       | 1  | clw - red. med. sgr. QFe | Cw             |                |             | 5                     |                                |               |  |
| 1       | 2  | clw - red. SS light bn   | CW/SS/         |                |             |                       | 843                            | 0.024         |  |
| 2       | 3  | light bn SS/             | 30 SS/         |                |             |                       |                                |               |  |
| 3       | 4  | a/a                      | 30 SS/         |                |             |                       | 44                             | 0.012         |  |
| 4       | 5  | m bn SS/                 | 30 SS/         |                |             |                       |                                |               |  |
| 5       | 6  | m bn SS/                 | 40 SS/         |                |             |                       |                                |               |  |
| 6       | 7  | a/a                      | 30 SS/         |                |             |                       |                                |               |  |
| 7       | 8  | a/a                      | 20 SS/         |                |             |                       | 45                             | 0.012         |  |
| 8       | 9  | m bn SS/                 | 20 SS/         |                |             |                       |                                |               |  |
| 9       | 10 | a/a                      | 30 SS/         |                |             |                       |                                |               |  |
| 10      | 11 | m bn SS/                 | 20 SS/         |                |             |                       |                                |               |  |
| 11      | 12 | a/a                      | 30 SS/         |                |             |                       | 46                             | 0.024         |  |
| 12      | 13 | a/a                      | 20 SS/         |                |             |                       |                                |               |  |
| 13      | 14 | a/a                      | 30 SS/         |                |             |                       |                                |               |  |
| 14      | 15 | a/a                      | 20 SS/         |                |             |                       |                                |               |  |
| 15      | 16 | m bn SS/ At m            | 30 SS/         |                |             | 1                     | 47                             | 0.012         |  |
| 16      | 17 | " " " 80% clay           | 30 SS/         |                |             |                       |                                |               |  |
| 17      | 18 | bn SS/ 50% clay          | 40 SS/         |                |             |                       |                                |               |  |
| 18      | 19 | bn SS/                   | 60 SS/         |                |             |                       |                                |               |  |
| 19      | 20 | dk bn SS/                | 40 SS/         |                |             |                       | 48                             | 0.024         |  |
| REMARKS |    |                          |                |                |             |                       |                                |               |  |



DRILL HOLE No. ARB1615



|                |            |
|----------------|------------|
| PROSPECT       |            |
| CO-ORDS        |            |
| COLLAR R.L.    | DEPTH      |
| COLLAR AZIM.   | INCL.      |
| DATE COMMENCED | COMPLETED  |
| LOGGED BY      | SAMPLED BY |

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**DRILL HOLE No.** WRB1616



|                |                   |
|----------------|-------------------|
| PROSPECT       | WHA 5TH           |
| CO-ORDS        | 9000N 953750      |
| COLLAR R.L.    | 1095.05 DEPTH     |
| COLLAR AZIM.   | 090 INCL 60       |
| DATE COMMENCED | 14.9.87 COMPLETED |
| LOGGED BY      | PLT SAMPLED BY    |

| DEPTH |    | DESCRIPTION               | LITHOLOGY CODE | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix<br>237 Au | ASSAY RESULTS |  |
|-------|----|---------------------------|----------------|----------------|-------------|-----------------------|-----------------------------------|---------------|--|
| From  | To |                           |                |                |             |                       |                                   |               |  |
| 0     | 1  | lw - red ind Q5 fr        | lw             |                |             | 5                     |                                   |               |  |
| 1     | 2  | lw-red ind / Sgnl br      | ch/Sgn         |                |             |                       | 850                               | 0.012         |  |
| 2     | 3  | light yellow br Sgnl      | 20 Sgnl        |                |             |                       |                                   |               |  |
| 3     | 4  | light br Sgnl             | 20 Sgnl        |                |             |                       |                                   |               |  |
| 4     | 5  | lgt br SSI                | 30 SSI         |                |             |                       | 851                               | 0.012         |  |
| 5     | 6  | m br SSI 30% mag          | 20 SSI         |                |             |                       |                                   |               |  |
| 6     | 7  | grey SSI 10% mag          | 30 SSI         |                |             |                       |                                   |               |  |
| 7     | 8  | m-light br SSI            | 20 SSI         |                |             |                       |                                   |               |  |
| 8     | 9  | a/a                       | 20 SSI         |                |             |                       | 852                               | 0.012         |  |
| 9     | 10 | m br SSI                  | 20 SSI         |                |             |                       |                                   |               |  |
| 10    | 11 | br brn Sgnl               | 30 Sgnl        |                |             |                       |                                   |               |  |
| 11    | 12 | grey SSI                  | 20 SSI         |                |             |                       |                                   |               |  |
| 12    | 13 | light grey SSI            | 30 SSI         |                |             |                       | 853                               | 0.012         |  |
| 13    | 14 | m-light br SSI            | 20 SSI         |                |             |                       |                                   |               |  |
| 14    | 15 | a/a                       | 30 SSI         |                |             |                       |                                   |               |  |
| 15    | 16 | br/gry SSI                | 40 SSI         |                |             |                       |                                   |               |  |
| 16    | 17 | m brn SSI                 | 30 SSI         |                |             |                       | 854                               | 0.024         |  |
| 17    | 18 | a/a                       | 20 SSI         |                |             |                       |                                   |               |  |
| 18    | 19 | m br SSI 60% grey SSI 40% | 20 SSI         |                |             |                       |                                   |               |  |
| 19    | 20 | a/a                       | 20 SSI         |                |             |                       |                                   |               |  |

REMARKS

# Percussion Drill Hole Log

|                |            |
|----------------|------------|
| PROSPECT       |            |
| CO-ORDS        |            |
| COLLAR R.L.    | DEPTH      |
| COLLAR AZIM.   | INCL.      |
| DATE COMMENCED | COMPLETED  |
| LOGGED BY      | SAMPLED BY |

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55  
17

|                |         |            |
|----------------|---------|------------|
| PROSPECT       | WW4A    | STH        |
| CO-ORDS        | 9000N   | 9525E      |
| COLLAR R.L.    | 1094.86 | DEPTH      |
| COLLAR AZIM.   | 090     | INCL. 60   |
| DATE COMMENCED | 14.9.87 | COMPLETED  |
| LOGGED BY      | PLT     | SAMPLED BY |

| DEPTH |    | DESCRIPTION           | LITHOLOGY CODE | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 238 | ASSAY RESULTS |       |
|-------|----|-----------------------|----------------|----------------|-------------|-----------------------|-----------------------------|---------------|-------|
| From  | To |                       |                |                |             |                       |                             |               |       |
| 0     | 1  | lw - red nod. of Fe   | lw             |                |             |                       | 857                         | 0.024         |       |
| 1     | 2  | lw - red clay         | ch             |                |             |                       |                             |               |       |
| 2     | 3  | lw - clay red cream   | lw             |                |             |                       |                             |               |       |
| 3     | 4  | lw - clay red-cream   | lw             |                |             |                       | 858                         | 0.012         |       |
| 4     | 5  | Sgn bn clay 30%       | 20 Sgn         |                |             |                       |                             |               |       |
| 5     | 6  | Sgn bn - clay wh      | 30 Sgn         |                |             |                       |                             |               |       |
| 6     | 7  | Sgn bn wh             | 40 Sgn         |                |             |                       |                             |               |       |
| 7     | 8  | Sgn bn clay wh        | 50 Sgn         |                |             |                       | 859                         | 0.012         |       |
| 8     | 9  | light bn Sgn          | 50 Sgn         |                |             |                       |                             |               |       |
| 9     | 10 | q/a                   | 60 Sgn         |                |             |                       |                             |               |       |
| 10    | 11 | q/a                   | 60 Sgn         |                |             |                       |                             |               |       |
| 11    | 12 | q/a                   | 80 Sgn         |                |             |                       | 860                         | 0.012         | 0.048 |
| 12    | 13 | Sgn bn clay wh. of ch | 40 Sgn/Q       |                |             |                       | 60 861                      | 0.012         |       |
| 13    | 14 | Sgn bn of clear       | 50 Sgn/Q       |                |             |                       | 40 862                      | 0.012         |       |
| 14    | 15 | Sgn bn of clear       | 40 Sgn/Q       |                |             |                       | 30 863                      | 0.012         |       |
| 15    | 16 | gray Sgn of           | 50 Sgn         |                |             |                       | 2                           |               |       |
| 16    | 17 | m bn Sgn              | 40 Sgn         |                |             |                       | 864                         | 0.012         |       |
| 17    | 18 | m - light bn Sgn & Q  | 50 Sgn         |                |             |                       |                             |               |       |
| 18    | 19 | gray Sgn              | 40 Sgn         |                |             |                       |                             |               |       |
| 19    | 20 | q/a                   | 50 Sgn         |                |             |                       |                             |               |       |



# Percussion Drill Hole Log

|                |            |
|----------------|------------|
| PROSPECT       |            |
| CO-ORDS        |            |
| COLLAR R.L.    | DEPTH      |
| COLLAR AZIM.   | INCL.      |
| DATE COMMENCED | COMPLETED  |
| LOGGED BY      | SAMPLED BY |

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# Percussion Drill Hole Log

PROSPECT WHLN 5TH  
CO-ORDS 9000N 95125E  
COLLAR R.L. 1094.68 DEPTH 21m  
COLLAR AZIM. 220 090 INCL. 60  
DATE COMMENCED 14.9.89 COMPLETED  
LOGGED BY PZ SAMPLED BY

| DEPTH |    | DESCRIPTION                            | LITHOLOGY CODE | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number | ASSAY RESULTS |  |
|-------|----|----------------------------------------|----------------|----------------|-------------|-----------------------|---------------|---------------|--|
| From  | To |                                        |                |                |             |                       |               |               |  |
| 0     | 1  | CW - ind. Qtz Fe Sl-                   | CW             |                |             |                       | 866           | 0.024         |  |
| 1     | 2  | CW - ind. Qtz Fe St                    | CW             |                |             |                       |               |               |  |
| 2     | 3  | CW - ind red clay Qtz 30               | CW             |                |             |                       |               |               |  |
| 3     | 4  | CW - ind red clay Qtz 630              | CW             |                |             |                       | 87            | 0.036         |  |
| 4     | 5  | SSl green/bn. Mn                       | 30 SSl         |                |             |                       |               |               |  |
| 5     | 6  | bn/green SSl Tr Q                      | 40 SSl         |                |             |                       |               |               |  |
| 6     | 7  | light bn SSl <sup>tr mang</sup> Qtz m? | 40 SSl         |                |             |                       | 868           | 0.012         |  |
| 7     | 8  | m bn Ssqw                              | 30 Ssqw        |                |             |                       |               |               |  |
| 8     | 9  | a/a / SSl 20                           | 70 Ssqw/SSl    |                |             |                       |               |               |  |
| 9     | 10 | m bn Ssqw                              | 70 Ssqw        |                |             |                       |               |               |  |
| 10    | 11 | a/a                                    | 60 Ssqw        |                |             |                       | 869           | 0.024         |  |
| 11    | 12 | gt gray/bn SSl                         | 60 SSl         |                |             |                       |               |               |  |
| 12    | 13 | m bn SSl                               | 50 SSl         |                |             |                       |               |               |  |
| 13    | 14 | bn/bn/gray SSl                         | 50 SSl         |                |             |                       |               |               |  |
| 14    | 15 | m bn/mang Ssqw                         | 50 Ssqw        |                |             |                       | 870           | 0.036         |  |
| 15    | 16 | a/a                                    | 60 Ssqw        |                |             |                       |               |               |  |
| 16    | 17 | m bn Ssqw                              | 50 Ssqw        |                |             |                       |               |               |  |
| 17    | 18 | a/a                                    | 70 Ssqw        |                |             |                       |               |               |  |
| 18    | 19 | a/a                                    | 50 Ssqw        |                |             |                       | 871           | 0.012         |  |
| 19    | 20 | SSl gray/bn Qtz cln                    | 30 SSl/Q       |                |             |                       | 10 872        | 0.012         |  |

DRILL HOLE No. WRB 1618



|                |            |
|----------------|------------|
| PROSPECT       |            |
| CO-ORDS        |            |
| COLLAR R.L.    | DEPTH      |
| COLLAR AZIM.   | INCL.      |
| DATE COMMENCED | COMPLETED  |
| LOGGED BY      | SAMPLED BY |

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60

|                |             |
|----------------|-------------|
| PROSPECT       | WAKA-5TH    |
| CO-ORDS        | 9000N 9500E |
| COLLAR R.L.    | 1094.49     |
| DEPTH          | 23          |
| COLLAR AZIM.   | 090         |
| INCL.          | 60          |
| DATE COMMENCED | 14-9-89     |
| COMPLETED      |             |
| LOGGED BY      | PCT         |
| SAMPLED BY     |             |

| DEPTH   |    | DESCRIPTION              | LITHOLOGY<br>CODE | Mineralisation |  |  | GRAPHIC<br>LOG | Quartz<br>%<br>1mm =<br>20% | Sample<br>Number<br>Prefix<br>25 | ASSAY RESULTS |  |  |
|---------|----|--------------------------|-------------------|----------------|--|--|----------------|-----------------------------|----------------------------------|---------------|--|--|
| From    | To |                          |                   |                |  |  |                |                             |                                  |               |  |  |
| 0       | 1  | ch red or red ss Fe      | CH.               |                |  |  |                |                             |                                  |               |  |  |
| 1       | 2  | ch - red clay red ss     | CH.               |                |  |  |                |                             | 874                              | 0.012         |  |  |
| 2       | 3  | ch red - orange clay     | 10 CH             |                |  |  |                |                             |                                  |               |  |  |
| 3       | 4  | Sgn w/ ch light gray alt | 30 Sgn            |                |  |  |                |                             |                                  |               |  |  |
| 4       | 5  | light buff Sgn           | 30 Sgn            |                |  |  |                |                             |                                  |               |  |  |
| 5       | 6  | m bn Sgn                 | 40 Sgn            |                |  |  |                |                             | 875                              | 0.036         |  |  |
| 6       | 7  | a/a                      | 50 Sgn            |                |  |  |                |                             |                                  |               |  |  |
| 7       | 8  | a/a                      | 30 Sgn            |                |  |  |                |                             |                                  |               |  |  |
| 8       | 9  | a/a                      | 50 Sgn            |                |  |  |                |                             | 876                              | 0.036         |  |  |
| 9       | 10 | m bn Sgn 40% bn ss 60%   | 50 Sgn/SS         |                |  |  |                |                             |                                  |               |  |  |
| 10      | 11 | m gray SS                | 40 SS             |                |  |  |                |                             |                                  |               |  |  |
| 11      | 12 | m bn Sgn                 | 40 Sgn            |                |  |  |                |                             |                                  |               |  |  |
| 12      | 13 | a/a                      | 70 Sgn            |                |  |  |                |                             | 877                              | 0.024         |  |  |
| 13      | 14 | bn + gray Sgn            | 50 Sgn            |                |  |  |                |                             |                                  |               |  |  |
| 14      | 15 | bn - mauve SS            | 50 SS             |                |  |  |                |                             |                                  |               |  |  |
| 15      | 16 | m bn Sgn 60% bn ss 40%   | 40 Sgn/SS         |                |  |  |                |                             |                                  |               |  |  |
| 16      | 17 | m bn Sgn 40% SS 60%      | 60 Sgn/SS         |                |  |  |                |                             | 878                              | 0.036         |  |  |
| 17      | 18 | m bn Sgn                 | 50 Sgn            |                |  |  |                |                             |                                  |               |  |  |
| 18      | 19 | m bn mauve SS            | 40 SS             |                |  |  |                |                             |                                  |               |  |  |
| 19      | 20 | m bn SS                  | 40 SS             |                |  |  |                |                             |                                  |               |  |  |
| REMARKS |    |                          |                   |                |  |  |                |                             |                                  |               |  |  |



6

|                |            |
|----------------|------------|
| PROSPECT       |            |
| CO-ORDS        |            |
| COLLAR R.L.    | DEPTH      |
| COLLAR AZIM.   | INCL.      |
| DATE COMMENCED | COMPLETED  |
| LOGGED BY      | SAMPLED BY |

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22

|                               |                 |
|-------------------------------|-----------------|
| PROSPECT <i>Wan SH</i>        |                 |
| CO-ORDS <i>9000N</i>          | <i>9487.5E</i>  |
| COLLAR R.L. <i>1094.305</i>   | DEPTH <i>20</i> |
| COLLAR AZIM. <i>090</i>       | INCL. <i>60</i> |
| DATE COMMENCED <i>14.9.89</i> | COMPLETED       |
| LOGGED BY <i>PLT</i>          | SAMPLED BY      |

| DEPTH   |    | DESCRIPTION                        | LITHOLOGY CODE | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix<br>238 | ASSAY RESULTS |  |
|---------|----|------------------------------------|----------------|----------------|-------------|-----------------------|--------------------------------|---------------|--|
| From    | To |                                    |                |                |             |                       |                                |               |  |
| 0       | 1  | Ch - ind red. clay                 | Ch             |                |             |                       |                                |               |  |
| 1       | 2  | m. Ch. brn Sgw                     | Ch/Sgw         |                |             |                       | 880                            | 0.036         |  |
| 2       | 3  | light br Sgw                       | 30 Sgw         |                |             |                       |                                |               |  |
| 3       | 4  | light br Sgw fgy                   | 40 Sgw         |                |             |                       | 882                            |               |  |
| 4       | 5  | a/a 5% mag                         | 40 Sgw         |                |             |                       |                                | 0.024         |  |
| 5       | 6  | a/a 20% mag                        | 40 Sgw         |                |             |                       |                                |               |  |
| 6       | 7  | br (med) Sgw 10% mag               | 40 Sgw         |                |             |                       |                                |               |  |
| 7       | 8  | light br fgy Sgw + mag             | 30 Sgw         |                |             |                       |                                |               |  |
| 8       | 9  | light br Sgw                       | 30 Sgw         |                |             |                       | 883                            | 0.028         |  |
| 9       | 10 | a/a                                | 40 Sgw         |                |             |                       |                                |               |  |
| 10      | 11 | a/a 10% clay                       | 50 Sgw         |                |             |                       |                                |               |  |
| 11      | 12 | m br Sgw 10% clay                  | 30 Sgw         |                |             |                       |                                |               |  |
| 12      | 13 | m br / mag Sgw                     | 30 Sgw         |                |             |                       | 884                            | 0.036         |  |
| 13      | 14 | m br Sgw                           | 40 Sgw         |                |             |                       |                                |               |  |
| 14      | 15 | a/a                                | 60 Sgw         |                |             |                       |                                |               |  |
| 15      | 16 | m br / gn Sgw                      | 40 Sgw         |                |             |                       | 885                            | 0.036         |  |
| 16      | 17 | a/a                                | 30 Sgw         |                |             |                       |                                |               |  |
| 17      | 18 | m - light br SSI                   | 30 SSI         |                |             |                       |                                |               |  |
| 18      | 19 | m br Sgw                           | 50 Sgw         |                |             |                       |                                |               |  |
| 19      | 20 | m br Sgw 30% br SSI 70% Pm Sgw/SSI | Pm Sgw/SSI     |                |             |                       | 886                            | 0.024         |  |
| REMARKS |    | 22 EOH                             |                |                |             |                       |                                |               |  |

|                |            |            |
|----------------|------------|------------|
| PROSPECT       | WINGA STH  | 22445      |
| CO-ORDS        | 9970 9200N | 9950E      |
| COLLAR R.L.    |            | DEPTH 15m  |
| COLLAR AZIM.   | 270        | INCL. 60   |
| DATE COMMENCED | 26/10/89   | COMPLETED  |
| LOGGED BY      | PLT        | SAMPLED BY |

[illegible]

# DOMINION MINING LIMITED



DRILL HOLE No. WRB1753

## Percussion Drill Hole Log

|                |                        |            |           |
|----------------|------------------------|------------|-----------|
| PROSPECT       | <u>WVH 8TH</u>         |            |           |
| CO-ORDS        | <u>9200N - 9962'SE</u> |            |           |
| COLLAR R.L.    |                        | DEPTH      | <u>15</u> |
| COLLAR AZIM.   | <u>270</u>             | INCL       | <u>60</u> |
| DATE COMMENCED | <u>26/10/89</u>        | COMPLETED  |           |
| LOGGED BY      | <u>PLT</u>             | SAMPLED BY |           |

| DEPTH   |    | DESCRIPTION                                | LITHOLOGY CODE | Mineralisation |  |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix<br>1/19 | ASSAY RESULTS |  |
|---------|----|--------------------------------------------|----------------|----------------|--|--|--|-------------|-----------------------|---------------------------------|---------------|--|
| From    | To |                                            |                |                |  |  |  |             |                       |                                 | Am            |  |
| 0       | 1  | clay - sand white silty                    | CW             |                |  |  |  |             |                       |                                 |               |  |
| 1       | 2  | clay - sand light brown                    | CW             |                |  |  |  |             |                       |                                 | K0012         |  |
| 2       | 3  | clay - red / light Fest. clay              | CW             |                |  |  |  |             | 30                    | 9.35                            |               |  |
| 3       | 4  | clay - red / brown / sand over phyl        | CW/SS          |                |  |  |  |             |                       |                                 |               |  |
| 4       | 5  | sand brown / white / SS / over brown phyl  | SS/Sq          |                |  |  |  |             |                       |                                 |               |  |
| 5       | 6  | ss brown / light sand & white ss           | SS             |                |  |  |  |             |                       |                                 | <             |  |
| 6       | 7  | medium brown fine sand / white / over ss   | SS/Sq          |                |  |  |  |             |                       | 936                             |               |  |
| 7       | 8  | ss brown / sand 50% / SS / SS / phyl       | SS/Sq          |                |  |  |  |             |                       |                                 |               |  |
| 8       | 9  | ss brown / white / phyl                    | SS             |                |  |  |  |             |                       |                                 | <             |  |
| 9       | 10 | SS / brown / sand brown 50% / ...          | SS/Sq          |                |  |  |  |             |                       |                                 |               |  |
| 10      | 11 | sand / brown / ...                         | Snd            |                |  |  |  |             |                       | 937                             |               |  |
| 11      | 12 | medium brown SS / ...                      | SS/Q           |                |  |  |  |             |                       | 50 9.38                         | <             |  |
| 12      | 13 | clay / sand brown 80% / white / sand / ... | Snd            |                |  |  |  |             |                       |                                 | <             |  |
| 13      | 14 | medium brown sand / phyl                   | Snd            |                |  |  |  |             |                       | 939                             |               |  |
| 14      | 15 | sand brown / white / sand / phyl           | Snd            |                |  |  |  |             |                       | 5 9.40                          | <             |  |
| 15      | 16 | 15 COH wet                                 |                |                |  |  |  |             |                       |                                 |               |  |
| 16      | 17 |                                            |                |                |  |  |  |             |                       |                                 |               |  |
| 17      | 18 |                                            |                |                |  |  |  |             |                       |                                 |               |  |
| 18      | 19 |                                            |                |                |  |  |  |             |                       |                                 |               |  |
| 19      | 20 |                                            |                |                |  |  |  |             |                       |                                 |               |  |
| REMARKS |    |                                            |                |                |  |  |  |             |                       |                                 |               |  |

wet

|                |                    |
|----------------|--------------------|
| PROSPECT       | WWGA 5TH EL4415    |
| CO-ORDS        | 9200N 9975E        |
| COLLAR R.L.    | DEPTH 17           |
| COLLAR AZIM.   | 270 INCL. 60       |
| DATE COMMENCED | 26/10/89 COMPLETED |
| LOGGED BY      | PCT SAMPLED BY     |

| DEPTH |    | DESCRIPTION                       | LITHOLOGY<br>CODE | Mineralisation |  |  | GRAPHIC<br>LOG | Quartz<br>%<br>1mm =<br>20% | Sample<br>Number<br>Prefix<br><u>19</u> | ASSAY RESULTS |      |  |
|-------|----|-----------------------------------|-------------------|----------------|--|--|----------------|-----------------------------|-----------------------------------------|---------------|------|--|
| From  | To |                                   |                   |                |  |  |                |                             |                                         | An<br>ppm     |      |  |
| 0     | 1  | Ch- clay - white red              | CW                |                |  |  |                |                             |                                         |               |      |  |
| 1     | 2  | ch-clay light bn                  | CW                |                |  |  |                |                             |                                         |               | 2002 |  |
| 2     | 3  | cw-grey clay mar & clay cl w      | CW                |                |  |  |                | 9.41                        |                                         |               |      |  |
| 3     | 4  | or bn ss phyl; wh sgw (cl) ss/sgw | SS/SGW            |                |  |  |                |                             |                                         |               |      |  |
| 4     | 5  | m bn sgw mar ls string            | SGW               |                |  |  |                |                             |                                         |               | 0.02 |  |
| 5     | 6  | mar bn sgw ls string              | SGW               |                |  |  |                |                             |                                         |               |      |  |
| 6     | 7  | a/a                               | SGW               |                |  |  |                | 9.42                        |                                         |               |      |  |
| 7     | 8  | mar bn sgw ls string              | SGW               |                |  |  |                |                             |                                         |               |      |  |
| 8     | 9  | a/a                               | SGW               |                |  |  |                |                             |                                         |               | <    |  |
| 9     | 10 | or bn sgw                         | SGW               |                |  |  |                |                             |                                         |               |      |  |
| 10    | 11 | mar bn sgw ls string              | SGW               |                |  |  |                | 9.43                        |                                         |               |      |  |
| 11    | 12 | m bn sgw                          | SGW               |                |  |  |                |                             |                                         |               |      |  |
| 12    | 13 | red bn sand phyl ls string        | Snd               |                |  |  |                |                             |                                         |               | <    |  |
| 13    | 14 | a/a ± clay                        | Snd               |                |  |  |                |                             |                                         |               |      |  |
| 14    | 15 | alw thin bed                      | Snd               |                |  |  |                | 9.44                        |                                         |               |      |  |
| 15    | 16 | red bn sand; brn sgw (cl)         | Snd/SGW           |                |  |  |                | 2.945                       |                                         |               |      |  |
| 16    | 17 | Snd red bn sil. sgw bl. or scr    | Snd/SGW           |                |  |  |                | 20.946                      |                                         |               | <    |  |
| 17    | 18 | H <sub>2</sub> O - ECH            |                   |                |  |  |                |                             |                                         |               |      |  |
| 18    | 19 |                                   |                   |                |  |  |                |                             |                                         |               |      |  |
| 19    | 20 |                                   |                   |                |  |  |                |                             |                                         |               |      |  |

REMARKS

66

|                |             |            |
|----------------|-------------|------------|
| PROSPECT       | WATER A 5TH | AREA       |
| CO-ORDS        | 9200N       | 9987.5E    |
| COLLAR R.L.    |             | DEPTH 19   |
| COLLAR AZIM.   | 270         | INCL. 60   |
| DATE COMMENCED | 2/10/87     | COMPLETED  |
| LOGGED BY      | PLT         | SAMPLED BY |

| DEPTH |    | DESCRIPTION                               | LITHOLOGY CODE | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 19 | ASSAY RESULTS |     |
|-------|----|-------------------------------------------|----------------|----------------|-------------|-----------------------|----------------------------|---------------|-----|
| From  | To |                                           |                |                |             |                       |                            | Am            | ppm |
| 0     | 1  | lw - clay red-white                       | lw             |                |             |                       |                            |               |     |
| 1     | 2  | clay - light brown - red                  | lw             |                |             |                       |                            | 0.012         |     |
| 2     | 3  | clay - clay light brown & c. l. e         | lw             |                |             |                       |                            | 0.047         |     |
| 3     | 4  | or brown ss / wk phyl & det ss / Q        | ss / Q         |                |             |                       |                            | 0.048         | <   |
| 4     | 5  | or bn ss / wk phyl heun lts               | ss /           |                |             |                       |                            |               |     |
| 5     | 6  | or bn sand heun lts + sh                  | ss / d         |                |             |                       |                            | 0.012         |     |
| 6     | 7  | or bn sand heun lts                       | sand           |                |             |                       |                            |               |     |
| 7     | 8  | a/a abn heun lts                          | sand           |                |             |                       |                            | 9.49          |     |
| 8     | 9  | a/a                                       | sand           |                |             |                       |                            |               |     |
| 9     | 10 | in bn ss phyl 10 / sand ss / sand         | ss / sand      |                |             |                       |                            |               | <   |
| 10    | 11 | sand phyl or bn ss / ss / ss /            | sand / ss /    |                |             |                       |                            |               |     |
| 11    | 12 | or bn sand heun lts                       | sand           |                |             |                       |                            | 9.50          |     |
| 12    | 13 | or bn / bn sand                           | sand           |                |             |                       |                            |               |     |
| 13    | 14 | or bn sand ; bn ss / heun lts sand / ss / | sand / ss /    |                |             |                       |                            |               | <   |
| 14    | 15 | a/a                                       | sand / ss /    |                |             |                       |                            |               |     |
| 15    | 16 | or bn sand phyl                           | sand           |                |             |                       |                            | 9.51          |     |
| 16    | 17 | light bn sand (coarse) heun lts           | sand           |                |             |                       |                            |               |     |
| 17    | 18 | in bn ss / phyl heun lts                  | ss /           |                |             |                       |                            | 9.52          | <   |
| 18    | 19 | in bn ss / wk phyl                        | ss /           |                |             |                       |                            |               |     |
| 19    | 20 | 1904 damp return not                      |                |                |             |                       |                            |               |     |

REMARKS  
 900

|                |         |            |
|----------------|---------|------------|
| PROSPECT       | WNA 511 | 445 A      |
| CO-ORDS        | 1200N   | 1500W      |
| COLLAR R.L.    |         | DEPTH 17   |
| COLLAR AZIM.   | 270     | INCL. 60   |
| DATE COMMENCED | 26/1/80 | COMPLETED  |
| LOGGED BY      | PT      | SAMPLED BY |

| DEPTH |    | DESCRIPTION                                  | LITHOLOGY CODE | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 119 | ASSAY RESULTS |       |  |
|-------|----|----------------------------------------------|----------------|----------------|-------------|-----------------------|-----------------------------|---------------|-------|--|
| From  | To |                                              |                |                |             |                       |                             | Av            |       |  |
| 0     | 1  | clay red - light brown                       | Clu            |                |             | 2                     |                             |               |       |  |
| 1     | 2  | clay - gray-redish s.d                       | lw             |                |             | 7                     |                             | 0.02          |       |  |
| 2     | 3  | clay light brown red s.d                     | Clu            |                |             |                       |                             | 0.53          |       |  |
| 3     | 4  | Sand coarse or fine                          | Sand           |                |             |                       |                             |               |       |  |
| 4     | 5  | light or brown Sand he on 1/5                | Sand           |                |             |                       |                             |               |       |  |
| 5     | 6  | in brown <del>SS</del> sqw                   | Sqw            |                |             |                       |                             |               |       |  |
| 6     | 7  | light or brown Sand he on 1/5                | Sand           |                |             |                       |                             | 0.54          |       |  |
| 7     | 8  | a/a                                          | Sand           |                |             |                       |                             |               |       |  |
| 8     | 9  | light or brown <sup>P. 9 mm</sup> sqw he str | Sqw            |                |             | 2                     |                             |               |       |  |
| 9     | 10 | or brown sqw he str in 1/5                   | Sqw            |                |             |                       |                             |               |       |  |
| 10    | 11 | or brown sqw (coarse) he str                 | Sqw            |                |             |                       |                             | 0.55          |       |  |
| 11    | 12 | in or brown sqw he str                       | Sqw            |                |             |                       |                             |               |       |  |
| 12    | 13 | pinkish brown SS                             | SS             |                |             |                       |                             |               | 0.024 |  |
| 13    | 14 | in brown sqw he str                          | Sqw            |                |             |                       |                             |               |       |  |
| 14    | 15 | light brown Sand <sup>1/2</sup> wk           | Sand           |                |             |                       |                             | 0.56          |       |  |
| 15    | 16 | light brown Sand he str                      | Sand           |                |             |                       |                             |               |       |  |
| 16    | 17 | in brown sqw he str                          | Sqw            |                |             |                       |                             | 0.57          |       |  |
| 17    | 18 | 17 COH wet                                   |                |                |             |                       |                             |               |       |  |
| 18    | 19 |                                              |                |                |             |                       |                             |               |       |  |
| 19    | 20 |                                              |                |                |             |                       |                             |               |       |  |

REMARKS



## Percussion Drill Hole Log

|                |          |            |
|----------------|----------|------------|
| PROSPECT       | WWSA 8TH | 4415       |
| CO-ORDS        | 9200N    | 10012'SE   |
| COLLAR R.L.    |          | DEPTH 17   |
| COLLAR AZIM.   | 270      | INCL. 60   |
| DATE COMMENCED | 26/10/89 | COMPLETED  |
| LOGGED BY      | PLT      | SAMPLED BY |

| DEPTH | From | To | DESCRIPTION                                    | LITHOLOGY CODE | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 419 | ASSAY RESULTS |     |     |
|-------|------|----|------------------------------------------------|----------------|----------------|-------------|-----------------------|-----------------------------|---------------|-----|-----|
|       |      |    |                                                |                |                |             |                       |                             | g/t           | g/t | g/t |
| 0     | 1    |    | aw - clay red - light brown <sup>Q Fe St</sup> | aw             |                |             | 1                     | ...                         | 0.02          |     |     |
| 1     | 2    |    | aw - clay red - light brown <sup>Q Fe St</sup> | aw             |                |             | 10                    | 958                         |               |     |     |
| 2     | 3    |    | m bn squ he sh                                 | Squ            |                |             |                       | ...                         | <             |     |     |
| 3     | 4    |    | m bn - pink squ                                | Squ            |                |             |                       | 9.59                        |               |     |     |
| 4     | 5    |    | m bn squ Qz clear                              | Squ            |                |             | 20                    | 360                         | 0.02          |     |     |
| 5     | 6    |    | m bn - SS he str                               | SS             |                |             |                       | ...                         |               |     |     |
| 6     | 7    |    | m bn sand he str vlt                           | Snd            |                |             |                       | ...                         | <             |     |     |
| 7     | 8    |    | m bn squ he sh                                 | Squ            |                |             |                       | ...                         |               |     |     |
| 8     | 9    |    | m bn squ he sh                                 | Squ            |                |             |                       | 961                         |               |     |     |
| 9     | 10   |    | ark squ 20% sand he vlt                        | Squ/Snd        |                |             |                       | ...                         |               |     |     |
| 10    | 11   |    | ark SS he vlt                                  | SS             |                |             |                       | ...                         | 0.02          |     |     |
| 11    | 12   |    | pk bn sand he vlt                              | Snd            |                |             |                       | ...                         |               |     |     |
| 12    | 13   |    | m bn SS he str                                 | SS             |                |             |                       | 962                         |               |     |     |
| 13    | 14   |    | m bn squ he sh                                 | Squ            |                |             |                       | ...                         |               |     |     |
| 14    | 15   |    | m bn sand                                      | Snd            |                |             |                       | ...                         | <             |     |     |
| 15    | 16   |    | tk bn - pink sand 20% squ                      | Snd/Squ        |                |             |                       | ...                         |               |     |     |
| 16    | 17   |    | sand bn 10% squ bn                             | Squ/Snd        |                |             |                       | 963                         |               |     |     |
| 17    | 18   |    | Damp rd                                        |                |                |             |                       | ...                         |               |     |     |
| 18    | 19   |    |                                                |                |                |             |                       | ...                         |               |     |     |
| 19    | 20   |    |                                                |                |                |             |                       | ...                         |               |     |     |

REMARKS



**DRILL HOLE No.** UR 6 ~~7~~ ~~8~~ ~~9~~ ~~10~~



|                |          |            |      |
|----------------|----------|------------|------|
| PROSPECT       | WWhit    | STH        | 4415 |
| CO-ORDS        | 9200N    | 10025E     |      |
| COLLAR R.L.    |          | DEPTH      | 14   |
| COLLAR AZIM.   | 270      | INCL.      | 60   |
| DATE COMMENCED | 27/10/89 | COMPLETED  |      |
| LOGGED BY      | PLT      | SAMPLED BY |      |

| DEPTH   |    | DESCRIPTION                                      | LITHOLOGY CODE | Mineralisation |  |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 419 | ASSAY RESULTS |  |
|---------|----|--------------------------------------------------|----------------|----------------|--|--|--|-------------|-----------------------|-----------------------------|---------------|--|
| From    | To |                                                  |                |                |  |  |  |             |                       |                             | Am<br>ppm     |  |
| 0       | 1  | cl - clay red - lgt + brn                        | CL             |                |  |  |  |             |                       |                             |               |  |
| 1       | 2  | cl - clay - red lgt brn sand                     | CL             |                |  |  |  |             |                       | 964                         |               |  |
| 2       | 3  | m br SSI <sup>he strong</sup> wk phyl + clay SSI | SSI            |                |  |  |  |             |                       |                             |               |  |
| 3       | 4  | m br sand he st. mnc clay sand                   | Snd            |                |  |  |  |             |                       |                             |               |  |
| 4       | 5  | m br sand m br Sgw 20/ Snd/Sgw                   | Snd/Sgw        |                |  |  |  |             |                       |                             |               |  |
| 5       | 6  | m br SSI <sup>wk</sup> he str. SSI               | SSI            |                |  |  |  |             |                       | 965                         |               |  |
| 6       | 7  | m br Sgw wk phyl Sgw                             | Sgw            |                |  |  |  |             |                       |                             |               |  |
| 7       | 8  | m br coarse Sgw Sgw                              | Sgw            |                |  |  |  |             |                       |                             | 002           |  |
| 8       | 9  | m br Sgw Sgw                                     | Sgw            |                |  |  |  |             |                       |                             |               |  |
| 9       | 10 | m br Sgw he str. Sgw                             | Sgw            |                |  |  |  |             |                       | 966                         |               |  |
| 10      | 11 | m br Sgw Sgw                                     | Sgw            |                |  |  |  |             |                       |                             |               |  |
| 11      | 12 | phlegm clay, m br Sgw, mnc Sgw                   | Sgw            |                |  |  |  |             |                       |                             | 0024          |  |
| 12      | 13 | m - dk brn Sgw Sgw                               | Sgw            |                |  |  |  |             |                       |                             |               |  |
| 13      | 14 | m - dk brn Sgw he str. Sgw                       | Sgw            |                |  |  |  |             |                       | 967                         |               |  |
| 14      | 15 | COAL wet                                         |                |                |  |  |  |             |                       |                             |               |  |
| 15      | 16 |                                                  |                |                |  |  |  |             |                       |                             |               |  |
| 16      | 17 |                                                  |                |                |  |  |  |             |                       |                             |               |  |
| 17      | 18 |                                                  |                |                |  |  |  |             |                       |                             |               |  |
| 18      | 19 |                                                  |                |                |  |  |  |             |                       |                             |               |  |
| 19      | 20 |                                                  |                |                |  |  |  |             |                       |                             |               |  |
| REMARKS |    |                                                  |                |                |  |  |  |             |                       |                             |               |  |

|                |                    |
|----------------|--------------------|
| PROSPECT       | WUWA STA GL445H    |
| CO-ORDS        | 9200N 9950E        |
| COLLAR R.L.    | DEPTH 12           |
| COLLAR AZIM.   | 90 INCL. 60        |
| DATE COMMENCED | 27/10/89 COMPLETED |
| LOGGED BY      | PLT SAMPLED BY     |

| DEPTH   |    | DESCRIPTION                        | LITHOLOGY CODE | Mineralisation |  |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix<br>6-19 ppm | ASSAY RESULTS |  |  |
|---------|----|------------------------------------|----------------|----------------|--|--|--|-------------|-----------------------|-------------------------------------|---------------|--|--|
| From    | To |                                    |                |                |  |  |  |             |                       |                                     |               |  |  |
| 0       | 1  | CW clay red-lgt brn sqw Snd red    | CW             |                |  |  |  |             |                       |                                     |               |  |  |
| 1       | 2  | CW-clay - lgt brn-red              | CW             |                |  |  |  |             |                       |                                     | <002          |  |  |
| 2       | 3  | CW-Qz Fe s + rind Snd              | CW             |                |  |  |  | 10          |                       |                                     |               |  |  |
| 3       | 4  | CW-rad sand Qz Fe b' Sqw           | CW             |                |  |  |  | 10          | 9.68                  |                                     |               |  |  |
| 4       | 5  | mwr CW / . Sqw or brn              | Sqw            |                |  |  |  |             |                       |                                     |               |  |  |
| 5       | 6  | or brn sqw le in lts               | Sqw            |                |  |  |  |             | 9.69                  |                                     |               |  |  |
| 6       | 7  | ln brn Sqw Qz mwr so               | Sqw/Q          |                |  |  |  | 10          | 9.70                  |                                     |               |  |  |
| 7       | 8  | mbm Sqw Qz white                   | Sqw/Q          |                |  |  |  | 30          | 9.71                  |                                     |               |  |  |
| 8       | 9  | m or brn Sqw mwr Snd pgl clay      | Sqw            |                |  |  |  | 5           | 9.72                  |                                     |               |  |  |
| 9       | 10 | m brn Sqw mwr Q stk                | Sqw            |                |  |  |  | 5           | 9.73                  |                                     |               |  |  |
| 10      | 11 | m-dk brn Sqw 20% Snd he stn Qz li  | Sqw/Snd/K      |                |  |  |  | 15          | 9.74                  |                                     |               |  |  |
| 11      | 12 | m-dk brn Sqw mwr Snd pgl clay sol. | Sqw            |                |  |  |  |             | 9.75                  |                                     |               |  |  |
| 12      | 13 | EOL intersected other              |                |                |  |  |  |             |                       |                                     |               |  |  |
| 13      | 14 | drill hole                         |                |                |  |  |  |             |                       |                                     |               |  |  |
| 14      | 15 |                                    |                |                |  |  |  |             |                       |                                     |               |  |  |
| 15      | 16 |                                    |                |                |  |  |  |             |                       |                                     |               |  |  |
| 16      | 17 |                                    |                |                |  |  |  |             |                       |                                     |               |  |  |
| 17      | 18 |                                    |                |                |  |  |  |             |                       |                                     |               |  |  |
| 18      | 19 |                                    |                |                |  |  |  |             |                       |                                     |               |  |  |
| 19      | 20 |                                    |                |                |  |  |  |             |                       |                                     |               |  |  |
| REMARKS |    |                                    |                |                |  |  |  |             |                       |                                     |               |  |  |



## Percussion Drill Hole Log

|                |                 |                |                 |
|----------------|-----------------|----------------|-----------------|
| PROSPECT       | <u>WWM 511</u>  |                | <u>EL 4015A</u> |
| CO-ORDS        | <u>9200N</u>    | <u>9937.5E</u> |                 |
| COLLAR R.L.    |                 | DEPTH          | <u>17</u>       |
| COLLAR AZIM.   | <u>90</u>       | INCL.          | <u>60</u>       |
| DATE COMMENCED | <u>27/10/89</u> | COMPLETED      |                 |
| LOGGED BY      | <u>PJT</u>      | SAMPLED BY     |                 |

| DEPTH | DESCRIPTION | LITHOLOGY CODE                           | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix | ASSAY RESULTS |  |
|-------|-------------|------------------------------------------|----------------|-------------|-----------------------|-------------------------|---------------|--|
| From  | To          |                                          |                |             |                       |                         |               |  |
| 0     | 1           | clay - arg. lgt brn soil                 | CL             |             |                       |                         |               |  |
| 1     | 2           | clay - lgt brn ss Fe st                  | CL             |             | 3                     |                         | <             |  |
| 2     | 3           | clay - yellow brn sand                   | CL             |             |                       | 976                     |               |  |
| 3     | 4           | ss - lgt brn argill. clay                | SS/Q           |             | 5                     | 977                     | <             |  |
| 4     | 5           | ss - m brn phyll ls units                | SS             |             |                       |                         |               |  |
| 5     | 6           | sand - m brn. best                       | Snd            |             |                       |                         | <             |  |
| 6     | 7           | a/a                                      | Snd            |             |                       |                         |               |  |
| 7     | 8           | ss - m brn clay 80% sand                 | SS/Snd         |             |                       | 978                     |               |  |
| 8     | 9           | m brn sand ls units                      | Snd            |             |                       |                         |               |  |
| 9     | 10          | m brn sand clay                          | Snd            |             |                       |                         | 0.024         |  |
| 10    | 11          | m brn ss ls units                        | SS             |             |                       |                         |               |  |
| 11    | 12          | a/a                                      | SS             |             |                       | 979                     |               |  |
| 12    | 13          | m brn sand phyll 10% ss                  | Snd/SS         |             |                       |                         | 0.012         |  |
| 13    | 14          | m brn sand/ss phyll clay                 | Snd-ss         |             |                       | 980                     |               |  |
| 14    | 15          | sand phyll, clay, platy - unconsolidated | Snd/Q          |             |                       | 981                     | 0.024         |  |
| 15    | 16          | a/a                                      | Snd/Q          |             |                       | 982                     | <             |  |
| 16    | 17          | sand phyll, best ls clay                 | Snd            |             |                       | 983                     | <             |  |
| 17    | 18          | rock wet                                 |                |             |                       |                         |               |  |
| 18    | 19          |                                          |                |             |                       |                         |               |  |
| 19    | 20          |                                          |                |             |                       |                         |               |  |

REMARKS



## Percussion Drill Hole Log

|                |                    |
|----------------|--------------------|
| PROSPECT       | WW4A ST1 ELKONA    |
| CO-ORDS        | 9200N 9925E        |
| COLLAR R.L.    | DEPTH 19           |
| COLLAR AZIM.   | 90 INCL 60         |
| DATE COMMENCED | 27/10/89 COMPLETED |
| LOGGED BY      | YLT SAMPLED BY     |

| DEPTH   | From | To | DESCRIPTION                                             | LITHOLOGY CODE | Mineralisation |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 419 | ASSAY RESULTS |  |  |
|---------|------|----|---------------------------------------------------------|----------------|----------------|--|--|-------------|-----------------------|-----------------------------|---------------|--|--|
|         |      |    |                                                         |                |                |  |  |             |                       |                             | Rn            |  |  |
| 0       | 1    |    | CW - clay lgt brn sand red                              | CW             |                |  |  |             |                       |                             |               |  |  |
| 1       | 2    |    | CW - red brn sand red sqw & Fe                          | CW             |                |  |  |             | 5                     | 984                         | <             |  |  |
| 2       | 3    |    | CW - clay <sup>red</sup> / sand phyll <sup>red</sup> Qz | CW/snd         |                |  |  |             | 2                     | 985                         | 0.036         |  |  |
| 3       | 4    |    | m or brn / sqw <sup>stlk</sup> Qz clear                 | Sqw/Q          |                |  |  |             | 20                    | 986                         | 0.012         |  |  |
| 4       | 5    |    | coarse sqw m or brn / Qz <sup>stlk</sup> Fe st          | Sqw/Q          |                |  |  |             | 10                    | 987                         | 0.012         |  |  |
| 5       | 6    |    | a/a                                                     | Sqw            |                |  |  |             | 5                     | 988                         | 0.012         |  |  |
| 6       | 7    |    | coarse sqw m or brn <sup>stlk</sup> Qz clear            | Sqw/Q          |                |  |  |             | 10                    | 989                         | <             |  |  |
| 7       | 8    |    | coarse sqw m red brn                                    | Sqw            |                |  |  |             |                       | 990                         | 0.012         |  |  |
| 8       | 9    |    | he units m brn sqw w/ sand, <sup>stlk</sup> Qz m or Fe  | Sqw/m/Q        |                |  |  |             | 20                    | 991                         | 0.024         |  |  |
| 9       | 10   |    | m or brn sqw he str; Qz m or Fe                         | Sqw/Q          |                |  |  |             | 10                    | 992                         | 0.036         |  |  |
| 10      | 11   |    | m or brn sqw                                            | Sqw            |                |  |  |             |                       |                             |               |  |  |
| 11      | 12   |    | a/a                                                     | Sqw            |                |  |  |             |                       |                             | 0.024         |  |  |
| 12      | 13   |    | m or brn <sup>myll</sup> SS1 Fe str                     | SS1            |                |  |  |             |                       |                             |               |  |  |
| 13      | 14   |    | m or brn <sup>myll</sup> SS1 30% clay                   | SS1            |                |  |  |             |                       | 993                         |               |  |  |
| 14      | 15   |    | m or brn <sup>myll</sup> SS1 he str                     | SS1            |                |  |  |             |                       |                             |               |  |  |
| 15      | 16   |    | sand red brn <sup>myll</sup> he str                     | Snd            |                |  |  |             | 1                     |                             | <             |  |  |
| 16      | 17   |    | glt brn sand phyll                                      | Snd            |                |  |  |             |                       |                             |               |  |  |
| 17      | 18   |    | m or brn <sup>myll</sup> SS1 Qz m or                    | SS1            |                |  |  |             | 3                     | 994                         |               |  |  |
| 18      | 19   |    | Pg sqw m or Qz                                          | Sqw            |                |  |  |             | 5                     | 420<br>995                  | 0.024         |  |  |
| 19      | 20   |    | FOH                                                     |                |                |  |  |             |                       |                             |               |  |  |
| REMARKS |      |    |                                                         |                |                |  |  |             |                       |                             |               |  |  |

420



## Percussion Drill Hole Log

|                |          |            |          |
|----------------|----------|------------|----------|
| PROSPECT       | W4B1762  | 5TH        | E24415 A |
| CO-ORDS        | 9200N    | 9912SE     |          |
| COLLAR R.L.    |          | DEPTH      | 17       |
| COLLAR AZIM.   | 90       | INCL.      | 60       |
| DATE COMMENCED | 27/01/89 | COMPLETED  |          |
| LOGGED BY      | PLT      | SAMPLED BY |          |

| DEPTH | DESCRIPTION | LITHOLOGY CODE            | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 1762 | ASSAY RESULTS |  |
|-------|-------------|---------------------------|----------------|-------------|-----------------------|------------------------------|---------------|--|
| From  | To          |                           |                |             |                       |                              |               |  |
| 0     | 1           | ch-clay i red sqw         | ch             |             |                       |                              |               |  |
| 1     | 2           | ch-red br rdsnd. i sqw    | ch             |             |                       | 001                          | <             |  |
| 2     | 3           | or br sqw mnsnd phyll     | sqw            |             |                       |                              |               |  |
| 3     | 4           | ln br sqw he str          | sqw            |             |                       |                              |               |  |
| 4     | 5           | m br sqw mnsnd            | sqw            |             |                       |                              | 0.02          |  |
| 5     | 6           | m br snd phyll            | snd            |             |                       | 002                          |               |  |
| 6     | 7           | m br sqw he str mnsnd     | sqw            |             |                       | 003                          | <             |  |
| 7     | 8           | m br sqw i clay, Qtz cl   | sqw            |             |                       | 004                          | <             |  |
| 8     | 9           | m or br snd phyll         | snd            |             |                       |                              |               |  |
| 9     | 10          | m or br snd phyll         | snd            |             |                       |                              | 0.046         |  |
| 10    | 11          | m or br snd 70% i sqw     | snd/sqw        |             |                       | 005                          |               |  |
| 11    | 12          | m or br sqw 20% snd, Q cl | sqw/snd/Q      |             |                       | 006                          | 0.024         |  |
| 12    | 13          | m or br sqw 20% snd, Q cl | sqw/snd        |             |                       |                              |               |  |
| 13    | 14          | m br SS phyll             | SS             |             |                       | 007                          | <             |  |
| 14    | 15          | m br sqw, Q cl            | sqw/Q          |             |                       | 008                          | 0.02          |  |
| 15    | 16          | m br sqw, Q cl            | sqw            |             |                       | 009                          | <             |  |
| 16    | 17          | m br sqw, Q cl            | sqw            |             |                       | 010                          | <             |  |
| 17    | 18          | 20% wet                   |                |             |                       |                              |               |  |
| 18    | 19          |                           |                |             |                       |                              |               |  |
| 19    | 20          |                           |                |             |                       |                              |               |  |

REMARKS

|                |          |            |         |
|----------------|----------|------------|---------|
| PROSPECT       | WNGH     | STH        | E WY51A |
| CO-ORDS        | 9200N    |            | 9900E   |
| COLLAR R.L.    |          | DEPTH      | LD      |
| COLLAR AZIM.   | 00       | INCL.      | 60      |
| DATE COMMENCED | 27/10/89 | COMPLETED  |         |
| LOGGED BY      | PLT      | SAMPLED BY |         |

| DEPTH |    | DESCRIPTION                 | LITHOLOGY<br>CODE | Mineralisation |  |  |  | GRAPHIC<br>LOG | Quartz<br>%<br>1mm =<br>20% | Sample<br>Number<br>Prefix<br>4-23 | ASSAY RESULTS |  |  |
|-------|----|-----------------------------|-------------------|----------------|--|--|--|----------------|-----------------------------|------------------------------------|---------------|--|--|
| From  | To |                             |                   |                |  |  |  |                |                             |                                    | Au<br>ppm     |  |  |
| 0     | 1  | ch - oxid med. sand sqw     | CH                |                |  |  |  |                |                             |                                    | <             |  |  |
| 1     | 2  | ch - oxid med sand sqw      | CH                |                |  |  |  |                |                             | 011                                |               |  |  |
| 2     | 3  | bn - yellow sqw fgs; he st  | Sqw               |                |  |  |  |                |                             |                                    |               |  |  |
| 3     | 4  | m bn sst / he strng.        | ST                |                |  |  |  |                |                             |                                    | <             |  |  |
| 4     | 5  | m bn / gy sst / he strng.   | SS /              |                |  |  |  |                |                             |                                    |               |  |  |
| 5     | 6  | mbn sand 80%; sqw 20%       | sand / sqw        |                |  |  |  |                |                             | 012                                |               |  |  |
| 6     | 7  | m-dk brn sqw / he str       | Sqw               |                |  |  |  |                |                             |                                    | 0.02          |  |  |
| 7     | 8  | m-dk brn coarse sqw         | Sqw               |                |  |  |  |                |                             | 013                                |               |  |  |
| 8     | 9  | m bn sqw / he str, Q clear  | Sqw / Q           |                |  |  |  |                |                             | 014                                | 0.012         |  |  |
| 9     | 10 | m bn sqw / Q; clear         | Sqw               |                |  |  |  |                |                             | 015                                | 0.012         |  |  |
| 10    | 11 | m bn sand / he str          | Sand              |                |  |  |  |                |                             |                                    | <             |  |  |
| 11    | 12 | m bn sqw / he str           | Sqw               |                |  |  |  |                |                             | 016                                |               |  |  |
| 12    | 13 | m or brn sqw; Q; mitef      | Sqw / Q           |                |  |  |  |                |                             | 017                                | <             |  |  |
| 13    | 14 | m brn sqw (coarse) Q; clear | Sqw / Q           |                |  |  |  |                |                             | 018                                | <             |  |  |
| 14    | 15 | m or brn sqw coarse         | Sqw               |                |  |  |  |                |                             |                                    |               |  |  |
| 15    | 16 | m brn sqw / he str          | Sqw               |                |  |  |  |                |                             |                                    | <             |  |  |
| 16    | 17 | m brn sqw / he str + unls   | Sqw               |                |  |  |  |                |                             |                                    |               |  |  |
| 17    | 18 | m brn sqw coarse            | Sqw               |                |  |  |  |                |                             | 019                                |               |  |  |
| 18    | 19 | coll wet                    |                   |                |  |  |  |                |                             |                                    |               |  |  |
| 19    | 20 |                             |                   |                |  |  |  |                |                             |                                    |               |  |  |

# Percussion Drill Hole Log

|                |          |            |          |
|----------------|----------|------------|----------|
| PROSPECT       | WWHA     | 574        | EL441511 |
| CO-ORDS        | 9200N    | 98875E     |          |
| COLLAR R.L.    |          | DEPTH      | 20       |
| COLLAR AZIM.   | 90       | INCL.      | 60       |
| DATE COMMENCED | 27/10/84 | COMPLETED  |          |
| LOGGED BY      | RT       | SAMPLED BY |          |

| DEPTH |    | DESCRIPTION                    | LITHOLOGY CODE | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 423 | ASSAY RESULTS |     |
|-------|----|--------------------------------|----------------|----------------|-------------|-----------------------|-----------------------------|---------------|-----|
| From  | To |                                |                |                |             |                       |                             | Am            | ppm |
| 0     | 1  | Ch - red/or ind Qz Fe st Ch    | Ch             |                |             | 2                     |                             |               |     |
| 1     | 2  | Ch - red/or ind Sgw mwd Ch     | Ch             |                |             |                       | 020                         | <             |     |
| 2     | 3  | light br Sgw he stn            | Sgw            |                |             |                       |                             |               |     |
| 3     | 4  | m br Sgw he stn                | Sgw            |                |             |                       |                             | <             |     |
| 4     | 5  | m br Sgw he stn                | Sgw            |                |             |                       |                             |               |     |
| 5     | 6  | m-dk br Sgw (coarse) he stn    | Sgw            |                |             |                       | 021                         |               |     |
| 6     | 7  | m-dk brn Sgw (coarse)          | Sgw            |                |             |                       |                             |               |     |
| 7     | 8  | m br / red Sgw (coarse) he stn | Sgw            |                |             |                       |                             | <             |     |
| 8     | 9  | dk m br Sgw (crse) he stn      | Sgw            |                |             |                       |                             |               |     |
| 9     | 10 | lt br - red br Snd phyl *      | Snd            |                |             |                       | 022                         |               |     |
| 10    | 11 | m - lt br Sst Snd he stn       | Sst-Snd        |                |             |                       |                             |               |     |
| 11    | 12 | m-light br Snd mwd Q           | Snd            |                |             | 3                     |                             | <             |     |
| 12    | 13 | m br Sgw he stn                | Sgw            |                |             |                       |                             |               |     |
| 13    | 14 | m br Snd wk phyl               | Snd            |                |             |                       | 023                         |               |     |
| 14    | 15 | red br Snd wk phyl             | Snd            |                |             |                       |                             |               |     |
| 15    | 16 | m br Snd - Sst he stn          | Snd-Sst        |                |             |                       |                             | 0.02          |     |
| 16    | 17 | m br Sgw he stn                | Sgw            |                |             |                       | 024                         |               |     |
| 17    | 18 | m br Sgw Qz Fe st              | Sgw/Q          |                |             | 10                    | 025                         | 0.02          |     |
| 18    | 19 | m br Sgw Qz Fe st              | Sgw/Q          |                |             | 20                    | 026                         | 0.02          |     |
| 19    | 20 | m br Sgw                       | Sgw            |                |             |                       | 027                         | 0.036         |     |

REMARKS



165

|                |          |            |        |
|----------------|----------|------------|--------|
| PROSPECT       | LMCA     | STH        | B2445A |
| CO-ORDS        | 9200N    | 9875E      |        |
| COLLAR R.L.    |          | DEPTH      | 11     |
| COLLAR AZIM.   | 090      | INCL.      | 60     |
| DATE COMMENCED | 27/10/89 | COMPLETED  |        |
| LOGGED BY      | P25      | SAMPLED BY |        |

| DEPTH |    | DESCRIPTION                               | LITHOLOGY CODE | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 423 | ASSAY RESULTS |   |
|-------|----|-------------------------------------------|----------------|----------------|-------------|-----------------------|-----------------------------|---------------|---|
| From  | To |                                           |                |                |             |                       |                             | g/g           | % |
| 0     | 1  | Ch - ind sand sqw oiled                   | chv            |                |             |                       | 029                         | 0.012         |   |
| 1     | 2  | lgt brn sqw - red (min)                   | sqw            |                |             |                       |                             |               |   |
| 2     | 3  | m or brn sqw                              | sqw            |                |             |                       |                             | <             |   |
| 3     | 4  | m brn sqw he un/ts + stn                  | sqw            |                |             |                       |                             |               |   |
| 4     | 5  | m-dk brn sqw he stn                       | sqw            |                |             |                       | 629                         |               |   |
| 5     | 6  | m-dk brn sqw <sup>mar sand</sup> he stn   | sqw            |                |             |                       |                             |               |   |
| 6     | 7  | m-brn SSI   <sup>he stn</sup> 30% brn sqw | SSI/sqw        |                |             |                       |                             | 0.012         |   |
| 7     | 8  | m-dk brn sqw mar he stn                   | sqw            |                |             |                       |                             |               |   |
| 8     | 9  | m-dk brn sqw wk ply II                    | sqw            |                |             |                       | 030                         |               |   |
| 9     | 10 | m-dk brn sqw he stn + uhl's               | sqw            |                |             |                       |                             | <             |   |
| 10    | 11 | a/a                                       | sqw            |                |             |                       | 031                         |               |   |
| 11    | 12 | 11 EOH TO HARD                            |                |                |             |                       |                             |               |   |
| 12    | 13 |                                           |                |                |             |                       |                             |               |   |
| 13    | 14 |                                           |                |                |             |                       |                             |               |   |
| 14    | 15 |                                           |                |                |             |                       |                             |               |   |
| 15    | 16 |                                           |                |                |             |                       |                             |               |   |
| 16    | 17 |                                           |                |                |             |                       |                             |               |   |
| 17    | 18 |                                           |                |                |             |                       |                             |               |   |
| 18    | 19 |                                           |                |                |             |                       |                             |               |   |
| 19    | 20 |                                           |                |                |             |                       |                             |               |   |

REMARKS



# Percussion Drill Hole Log

|                |          |             |
|----------------|----------|-------------|
| PROSPECT       | WWHA     | 5TH GLWV151 |
| CO-ORDS        | 9000N    | 9950E       |
| COLLAR R.L.    |          | DEPTH       |
| COLLAR AZIM.   | 270      | INCL. 60    |
| DATE COMMENCED | 27/10/89 | COMPLETED   |
| LOGGED BY      | PLT      | SAMPLED BY  |

| DEPTH |    | DESCRIPTION                             | LITHOLOGY<br>CODE | Mineralisation |  |  |  | GRAPHIC<br>LOG | Quartz<br>%<br>1mm =<br>20% | Sample<br>Number<br>Prefix<br>423 | ASSAY RESULTS |  |
|-------|----|-----------------------------------------|-------------------|----------------|--|--|--|----------------|-----------------------------|-----------------------------------|---------------|--|
| From  | To |                                         |                   |                |  |  |  |                |                             |                                   |               |  |
| 0     | 1  | ch-clay - lgt brn - gray                | chl               |                |  |  |  |                |                             |                                   |               |  |
| 1     | 2  | ch-clay red lgt brn<br>may be stn.      | chl               |                |  |  |  |                |                             |                                   | <             |  |
| 2     | 3  | ch-clay lgt brn; sand lgt brn<br>he stn | chl/snd           |                |  |  |  |                |                             | 032                               |               |  |
| 3     | 4  | m brn SS<br>mmr Sgn                     | SS)               |                |  |  |  |                |                             |                                   |               |  |
| 4     | 5  | m-brn/gy SS Le m/lts                    | SS)               |                |  |  |  |                |                             |                                   |               |  |
| 5     | 6  | a/a                                     | SS)               |                |  |  |  |                |                             |                                   | <             |  |
| 6     | 7  | gray Snd                                | Snd               |                |  |  |  |                |                             | 033                               |               |  |
| 7     | 8  | gray/bn Snd he stn                      | Snd               |                |  |  |  |                |                             |                                   |               |  |
| 8     | 9  | gray Snd wk phyl                        | Snd               |                |  |  |  |                |                             |                                   | <             |  |
| 9     | 10 | a/a                                     | Snd               |                |  |  |  |                |                             | 034                               |               |  |
| 10    | 11 | gy Sil Snd brn Qtz Snoken               | Snd/Q             |                |  |  |  |                |                             | 10 035                            | <             |  |
| 11    | 12 | a/a Qtz Fe st                           | Snd/Q             |                |  |  |  |                |                             | 10 036                            | <             |  |
| 12    | 13 | fg squ Qtz Fe st                        | Sgn/Q             |                |  |  |  |                |                             | 30 037                            | <             |  |
| 13    | 14 | a/a mmr Sil Snd                         | Sgn/Q             |                |  |  |  |                |                             | 20 038                            | 0.012         |  |
| 14    | 15 | a/a                                     | Sgn/Q             |                |  |  |  |                |                             | 20 039                            | <             |  |
| 15    | 16 | E04 H <sub>2</sub> O                    |                   |                |  |  |  |                |                             |                                   |               |  |
| 16    | 17 |                                         |                   |                |  |  |  |                |                             |                                   |               |  |
| 17    | 18 |                                         |                   |                |  |  |  |                |                             |                                   |               |  |
| 18    | 19 |                                         |                   |                |  |  |  |                |                             |                                   |               |  |
| 19    | 20 |                                         |                   |                |  |  |  |                |                             |                                   |               |  |

REMARKS

|                |          |            |         |
|----------------|----------|------------|---------|
| PROSPECT       | WINGA    | STN        | EL4415A |
| CO-ORDS        | 9000N    |            | 99625E  |
| COLLAR R.L.    |          | DEPTH      | 20      |
| COLLAR AZIM.   | 270      | INCL.      | 60      |
| DATE COMMENCED | 29/10/89 | COMPLETED  |         |
| LOGGED BY      | PCT      | SAMPLED BY |         |

| DEPTH                            |    | DESCRIPTION                     | LITHOLOGY CODE | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 423 | ASSAY RESULTS |  |
|----------------------------------|----|---------------------------------|----------------|----------------|-------------|-----------------------|-----------------------------|---------------|--|
| From                             | To |                                 |                |                |             |                       |                             |               |  |
| 0                                | 1  | clay<br>ch- or/yel. sqw sand    | ch             |                |             |                       |                             |               |  |
| 1                                | 2  | ch- red or/yel. sqw             | ch             |                |             |                       | 0012                        |               |  |
| 2                                | 3  | ch- red red sqw / lft brown sqw | ch/sq          |                |             |                       | 040                         |               |  |
| 3                                | 4  | m brown sqw le str mnr Q        | Sq             |                |             |                       | 5041                        | <             |  |
| 4                                | 5  | m brown sand; m brown sqw 201   | Snd/sq         |                |             |                       |                             |               |  |
| 5                                | 6  | grey sqw + clay                 | Sq             |                |             |                       |                             | 002           |  |
| 6                                | 7  | m tan sqw mar le str            | Sq             |                |             |                       |                             |               |  |
| 7                                | 8  | m or brown sqw mnr le str       | Sq             |                |             |                       | 042                         |               |  |
| 8                                | 9  | m or brown sqw mnr le str       | Sq             |                |             |                       |                             |               |  |
| 9                                | 10 | grey/brown sqw mnr silic.       | Sq             |                |             |                       |                             | 0.024         |  |
| 10                               | 11 | m brown/gry sqw                 | Sq             |                |             |                       |                             |               |  |
| 11                               | 12 | m- lft brown SSl                | SSl            |                |             |                       | 043                         |               |  |
| 12                               | 13 | m- brown/gry SSl                | SSl            |                |             |                       |                             |               |  |
| 13                               | 14 | m- brown/gry to red fq sqw      | Sq             |                |             |                       |                             | 0.012         |  |
| 14                               | 15 | a/a                             | Sq             |                |             |                       |                             |               |  |
| 15                               | 16 | m grey sqw (coarse) le str.     | Sq             |                |             |                       | 044                         |               |  |
| 16                               | 17 | a/a                             | Sq             |                |             |                       |                             |               |  |
| 17                               | 18 | a/a                             | Sq             |                |             |                       |                             | <             |  |
| 18                               | 19 | a/a                             | Sq             |                |             |                       |                             |               |  |
| 19                               | 20 | a/a                             | Sq             |                |             |                       | 045                         |               |  |
| REMARKS EOL 17-19 damp 19-20 wet |    |                                 |                |                |             |                       |                             |               |  |

|                |          |            |
|----------------|----------|------------|
| PROSPECT       | WVGA 574 | EL4415A    |
| CO-ORDS        | 9000N    | 9975E      |
| COLLAR R.L.    |          | DEPTH 18   |
| COLLAR AZIM.   | 270      | INCL. 60   |
| DATE COMMENCED | 28/10/89 | COMPLETED  |
| LOGGED BY      | PJT      | SAMPLED BY |

| DEPTH |    | DESCRIPTION                         | LITHOLOGY CODE | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 433 | ASSAY RESULTS |     |
|-------|----|-------------------------------------|----------------|----------------|-------------|-----------------------|-----------------------------|---------------|-----|
| From  | To |                                     |                |                |             |                       |                             | g/g           | ppm |
| 0     | 1  | lw-red <del>ss</del> sand. mar lam. | unss           |                |             |                       | 046                         | <             |     |
| 1     | 2  | brn <del>ss</del> ss/ he str        | ss             |                |             |                       | ...                         | <             |     |
| 2     | 3  | m brn sqw mar ss                    | sqw            |                |             |                       | 047                         |               |     |
| 3     | 4  | m brn sqw (G5 cdi + scd)            | sqw/o          |                |             |                       | 048                         | 0.024         |     |
| 4     | 5  | mdk brn sqw / g i li t x            | sqw/o          |                |             |                       | 049                         | <             |     |
| 5     | 6  | mdk brn sqw                         | sqw            |                |             |                       | ...                         |               |     |
| 6     | 7  | m brn sqw                           | sqw            |                |             |                       | ...                         | <             |     |
| 7     | 8  | m brn sqw                           | sqw            |                |             |                       | ...                         |               |     |
| 8     | 9  | purp brn ss                         | ss             |                |             |                       | 050                         |               |     |
| 9     | 10 | a/a                                 | ss             |                |             |                       | ...                         |               |     |
| 10    | 11 | purp ssrd markestr                  | ssrd           |                |             |                       | ...                         | 0.02          |     |
| 11    | 12 | red brn argn ssrd                   | ssrd           |                |             |                       | ...                         |               |     |
| 12    | 13 | gry green ssrd                      | ssrd           |                |             |                       | 051                         |               |     |
| 13    | 14 | red brn - brn ssrd                  | ssrd           |                |             |                       | ...                         |               |     |
| 14    | 15 | red brn ssrd                        | ssrd           |                |             |                       | ...                         | <             |     |
| 15    | 16 | brn / gry ssrd mar red tgn          | ssrd           |                |             |                       | ...                         |               |     |
| 16    | 17 | med brn ssrd                        | ssrd           |                |             |                       | 052                         |               |     |
| 17    | 18 | light med brn ssrd mar red          | ssrd           |                |             |                       | 053                         | <             |     |
| 18    | 19 | med brn Lott wet                    | ssrd           |                |             |                       | ...                         |               |     |
| 19    | 20 |                                     |                |                |             |                       | ...                         |               |     |

**DRILL HOLE No.** WKB1769



# Percussion Drill Hole Log

|                |          |            |
|----------------|----------|------------|
| PROSPECT       | Wawa 5TH | 4415 A     |
| CO-ORDS        | 9000     | 9937.52    |
| COLLAR R.L.    |          | DEPTH 14   |
| COLLAR AZIM.   | 270      | INCL. 60   |
| DATE COMMENCED | 28/10/89 | COMPLETED  |
| LOGGED BY      | PLT      | SAMPLED BY |

| DEPTH |    | DESCRIPTION                                                   | LITHOLOGY CODE | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 422 | ASSAY RESULTS |     |
|-------|----|---------------------------------------------------------------|----------------|----------------|-------------|-----------------------|-----------------------------|---------------|-----|
| From  | To |                                                               |                |                |             |                       |                             | Aw            | ppm |
| 0     | 1  | lw. clay dyt brn - red sqw                                    | aw             |                |             |                       |                             |               |     |
| 1     | 2  | clw - clay dyt brn - red                                      | Cw             |                |             |                       |                             | 0.02          |     |
| 2     | 3  | clw - clay - rnd snd sqw <sup>Q5 Fe</sup>                     | CW             |                |             |                       | 054                         |               |     |
| 3     | 4  | brn sqw <sup>4</sup> clay mnr Q                               | SqW            |                |             |                       | 5055                        | <             |     |
| 4     | 5  | brn sqw mnr clay <sup>SCD</sup> <sup>Q5 dm</sup> sqw/Q        | SqW/Q          |                |             |                       | 25056                       | 0.02          |     |
| 5     | 6  | m brn sqw mnr Q                                               | SqW            |                |             |                       | 1                           |               |     |
| 6     | 7  | m-dlc br sqw                                                  | SqW            |                |             |                       |                             | 0.02          |     |
| 7     | 8  | m-dlc brn sqw <sup>Q1</sup> snd/60                            | Snd/SqW        |                |             |                       |                             |               |     |
| 8     | 9  | a/a                                                           | Snd/SqW        |                |             |                       | 057                         |               |     |
| 9     | 10 | m brn sqw                                                     | SqW            |                |             |                       |                             |               |     |
| 10    | 11 | m brn snd <sup>wk phyl</sup> <sup>he mlt</sup> <sup>tie</sup> | Snd            |                |             |                       | tr                          | 0.02          |     |
| 11    | 12 | m - dk brn sqw                                                | SqW            |                |             |                       |                             |               |     |
| 12    | 13 | m brn sqw mnr he mlt                                          | SqW            |                |             |                       | 058                         |               |     |
| 13    | 14 | m brn snd <sup>hgh</sup>                                      | Snd            |                |             |                       | 059                         | <             |     |
| 14    | 15 | lble wet                                                      |                |                |             |                       |                             |               |     |
| 15    | 16 |                                                               |                |                |             |                       |                             |               |     |
| 16    | 17 |                                                               |                |                |             |                       |                             |               |     |
| 17    | 18 |                                                               |                |                |             |                       |                             |               |     |
| 18    | 19 |                                                               |                |                |             |                       |                             |               |     |
| 19    | 20 |                                                               |                |                |             |                       |                             |               |     |

REMARKS

**DRILL HOLE No.** AB1770



|                |          |            |
|----------------|----------|------------|
| PROSPECT       | WASH STN | EL 4415A   |
| CO-ORDS        | 9000N    | 9925E      |
| COLLAR R.L.    |          | DEPTH 19   |
| COLLAR AZIM.   | 270      | INCL. 60   |
| DATE COMMENCED | 28/10/89 | COMPLETED  |
| LOGGED BY      | PLT      | SAMPLED BY |

| DEPTH |    | DESCRIPTION                                    | LITHOLOGY CODE | Mineralisation |  |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix<br>423 | ASSAY RESULTS |     |     |
|-------|----|------------------------------------------------|----------------|----------------|--|--|--|-------------|-----------------------|--------------------------------|---------------|-----|-----|
| From  | To |                                                |                |                |  |  |  |             |                       |                                | g/t           | g/t | g/t |
| 0     | 1  | clw - clay lft burn ind sand                   | clw            |                |  |  |  |             |                       |                                |               |     |     |
| 1     | 2  | clw - burn - or clay sqw                       | clw            |                |  |  |  |             |                       |                                |               |     |     |
| 2     | 3  | clw - lft burn ind sand of Fe                  | clw            |                |  |  |  |             |                       |                                |               |     |     |
| 3     | 4  | m burn sqw <sup>9 1/2 Fe</sup> mnr clw         | sqw/clw        |                |  |  |  |             |                       |                                |               |     |     |
| 4     | 5  | m or burn sand                                 | sand           |                |  |  |  |             |                       |                                |               |     |     |
| 5     | 6  | a/a mnr he calc sand                           | sand           |                |  |  |  |             |                       |                                |               |     |     |
| 6     | 7  | a/a                                            | sand           |                |  |  |  |             |                       |                                |               |     |     |
| 7     | 8  | m lft burn sand <sup>mnr sqw</sup> mnr he calc | sand           |                |  |  |  |             |                       |                                |               |     |     |
| 8     | 9  | a/a                                            | sand           |                |  |  |  |             |                       |                                |               |     |     |
| 9     | 10 | m burn sand mnr Q                              | sand           |                |  |  |  |             |                       |                                |               |     |     |
| 10    | 11 | m burn sand                                    | sand           |                |  |  |  |             |                       |                                |               |     |     |
| 11    | 12 | a/a he str                                     | sand           |                |  |  |  |             |                       |                                |               |     |     |
| 12    | 13 | burn sand mnr sqw                              | sand           |                |  |  |  |             |                       |                                |               |     |     |
| 13    | 14 | ll sand mnr he str                             | sand           |                |  |  |  |             |                       |                                |               |     |     |
| 14    | 15 | m burn sand                                    | sand           |                |  |  |  |             |                       |                                |               |     |     |
| 15    | 16 | m or burn sand                                 | sand           |                |  |  |  |             |                       |                                |               |     |     |
| 16    | 17 | m burn sand                                    | sand           |                |  |  |  |             |                       |                                |               |     |     |
| 17    | 18 | m-dk burn sand                                 | sand           |                |  |  |  |             |                       |                                |               |     |     |
| 18    | 19 | m burn sand                                    | sand           |                |  |  |  |             |                       |                                |               |     |     |
| 19    | 20 | H <sub>2</sub> O EOL                           |                |                |  |  |  |             |                       |                                |               |     |     |

REMARKS

DRILL HOLE No. WB 1771



|                |                |            |
|----------------|----------------|------------|
| PROSPECT       | WVGA 3TH 4415A |            |
| CO-ORDS        | 9800N          | 9425E      |
| COLLAR R.L.    |                | DEPTH 14m  |
| COLLAR AZIM.   | 090            | INCL. 60   |
| DATE COMMENCED | 28/10/89       | COMPLETED  |
| LOGGED BY      | PLT            | SAMPLED BY |

| DEPTH |    | DESCRIPTION                                | LITHOLOGY CODE | Mineralisation |  |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix<br>423 | ASSAY RESULTS |     |
|-------|----|--------------------------------------------|----------------|----------------|--|--|--|-------------|-----------------------|--------------------------------|---------------|-----|
| From  | To |                                            |                |                |  |  |  |             |                       |                                | g/g           | ppm |
| 0     | 1  | Soil; clw - clay lgt brn                   | clw            |                |  |  |  |             |                       |                                |               |     |
| 1     | 2  | clw - lgt brn sand                         | clw            |                |  |  |  |             |                       |                                |               |     |
| 2     | 3  | clw. lgt brn/y/w sand <sup>0.5%</sup>      | clw            |                |  |  |  |             | 5                     | 0.66                           |               |     |
| 3     | 4  | m brn sand + clay                          | Smd            |                |  |  |  |             |                       |                                |               |     |
| 4     | 5  | m <sup>-dk</sup> brn sqw mar he strg       | Sqw            |                |  |  |  |             |                       |                                |               |     |
| 5     | 6  | m dk brn sqw                               | Sqw            |                |  |  |  |             |                       |                                |               |     |
| 6     | 7  | m-dk brn sqw <sup>+vults</sup> mar he strg | Sqw            |                |  |  |  |             |                       | 0.67                           |               |     |
| 7     | 8  | brn to red brn sqw (f.g)                   | Sqw            |                |  |  |  |             |                       |                                |               |     |
| 8     | 9  | mar brn sqw he vults                       | Sqw            |                |  |  |  |             |                       |                                |               |     |
| 9     | 10 | ala                                        | Sqw            |                |  |  |  |             |                       | 0.68                           |               |     |
| 10    | 11 | m brn sqw + clay                           | Sqw            |                |  |  |  |             |                       |                                |               |     |
| 11    | 12 | m brn ssi mar he strg                      | ssi            |                |  |  |  |             |                       |                                |               |     |
| 12    | 13 | m-dk brn sqw                               | Sqw            |                |  |  |  |             |                       | 0.69                           | 0.012         |     |
| 13    | 14 | m-dk brn Smd                               | Smd            |                |  |  |  |             |                       |                                |               |     |
| 14    | 18 | 1450H - hint otho drillhole                |                |                |  |  |  |             |                       |                                |               |     |
| 15    | 16 |                                            |                |                |  |  |  |             |                       |                                |               |     |
| 16    | 17 |                                            |                |                |  |  |  |             |                       |                                |               |     |
| 17    | 18 |                                            |                |                |  |  |  |             |                       |                                |               |     |
| 18    | 19 |                                            |                |                |  |  |  |             |                       |                                |               |     |
| 19    | 20 |                                            |                |                |  |  |  |             |                       |                                |               |     |

REMARKS



|                |          |            |         |
|----------------|----------|------------|---------|
| PROSPECT       | WULPI    | ST1        | EL4415A |
| CO-ORDS        | 9000N    | 9912.5E    |         |
| COLLAR R.L.    |          | DEPTH      | 20      |
| COLLAR AZIM.   | 090      | INCL.      | 60      |
| DATE COMMENCED | 28/10/89 | COMPLETED  |         |
| LOGGED BY      | PCT      | SAMPLED BY |         |

| DEPTH |    | DESCRIPTION                     | LITHOLOGY CODE | Mineralisation |  |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 223 | ASSAY RESULTS |  |  |
|-------|----|---------------------------------|----------------|----------------|--|--|--|-------------|-----------------------|-----------------------------|---------------|--|--|
| From  | To |                                 |                |                |  |  |  |             |                       |                             |               |  |  |
| 0     | 1  | cl or-clay ind smd Sgw          | CW             |                |  |  |  |             |                       |                             |               |  |  |
| 1     | 2  | cl or /bm clay ind Sgw          | CW             |                |  |  |  |             |                       |                             | <             |  |  |
| 2     | 3  | cl - or/bm Snd Sgw              | CW             |                |  |  |  |             | 5                     | 070                         |               |  |  |
| 3     | 4  | gy bn smd mnr Sgw               | Smd            |                |  |  |  |             |                       |                             |               |  |  |
| 4     | 5  | m/bn Sgw                        | Sgw            |                |  |  |  |             |                       |                             |               |  |  |
| 5     | 6  | m-dk bn smd 70% Sgw 30% ss/Sgw  | Sgw            |                |  |  |  |             |                       | 071                         | 0.02          |  |  |
| 6     | 7  | m bn Sgw                        | Sgw            |                |  |  |  |             |                       |                             |               |  |  |
| 7     | 8  | m or bn Sgw                     | Sgw            |                |  |  |  |             |                       |                             |               |  |  |
| 8     | 9  | hi bn Sgw                       | Sgw            |                |  |  |  |             |                       |                             | <             |  |  |
| 9     | 10 | a/a                             | Sgw            |                |  |  |  |             |                       | 072                         |               |  |  |
| 10    | 11 | m bn silic (dk) Sgw             | Sgw            |                |  |  |  |             |                       |                             |               |  |  |
| 11    | 12 | m bn to qn Sgw                  | Sgw            |                |  |  |  |             |                       |                             |               |  |  |
| 12    | 13 | ln to lgt bn Sgw                | Sgw            |                |  |  |  |             |                       |                             |               |  |  |
| 13    | 14 | m bn Smd                        | Smd            |                |  |  |  |             |                       | 073                         | <             |  |  |
| 14    | 15 | m or bn Smd                     | Smd            |                |  |  |  |             |                       |                             |               |  |  |
| 15    | 16 | brck bn Sgw mnr Q               | Sgw            |                |  |  |  |             |                       | 2                           |               |  |  |
| 16    | 17 | Smd m-dk bn 70% Sgw 30% Snd/Sgw | Sgw            |                |  |  |  |             |                       | 074                         | <             |  |  |
| 17    | 18 | m bn Sgw                        | Sgw            |                |  |  |  |             |                       |                             |               |  |  |
| 18    | 19 | bn - gy Sgw                     | Sgw            |                |  |  |  |             |                       |                             |               |  |  |
| 19    | 20 | m or bn Sgw he unts Sgw         | Sgw            |                |  |  |  |             |                       | 075                         | <             |  |  |





# DOMINION MINING LIMITED



SHEET \_\_\_\_\_ OF \_\_\_\_\_

DRILL HOLE No. WRB 174

## Percussion Drill Hole Log

|                |                         |                |           |
|----------------|-------------------------|----------------|-----------|
| PROSPECT       | <u>WWHA ST4 CLAYISH</u> |                |           |
| CO-ORDS        | <u>9000N</u>            | <u>9887.5E</u> |           |
| COLLAR R.L.    |                         | DEPTH          | <u>17</u> |
| COLLAR AZIM.   | <u>090</u>              | INCL.          | <u>60</u> |
| DATE COMMENCED | <u>28/10/89</u>         | COMPLETED      |           |
| LOGGED BY      | <u>PLT</u>              | SAMPLED BY     |           |

| DEPTH | DESCRIPTION | LITHOLOGY CODE               | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix | ASSAY RESULTS |  |
|-------|-------------|------------------------------|----------------|-------------|-----------------------|-------------------------|---------------|--|
| From  | To          |                              |                |             |                       |                         |               |  |
| 0     | 1           | chr-sail yel clay rndsqw     | CW             |             |                       |                         |               |  |
| 1     | 2           | chr-ox/red rnd sq test       | CW             |             | S                     | 082                     | 0.036         |  |
| 2     | 3           | chr-ox-red clay sqw          | CW             |             |                       |                         |               |  |
| 3     | 4           | lt albun sqw                 | Sqw            |             |                       |                         |               |  |
| 4     | 5           | lt albun smd/rd/sqw          | Smd/sqw        |             |                       |                         |               |  |
| 5     | 6           | lt or brn sqw                | Sqw            |             |                       | 083                     | <             |  |
| 6     | 7           | gry/brn sqw                  | Sqw            |             |                       |                         |               |  |
| 7     | 8           | m brn smd mnr sqw            | Smd            |             |                       |                         |               |  |
| 8     | 9           | m or brn coarse sqw          | Sqw            |             |                       |                         | 0024          |  |
| 9     | 10          | a/a + clay                   | Sqw            |             |                       | 084                     |               |  |
| 10    | 11          | m brn sqw                    | Sqw            |             |                       |                         |               |  |
| 11    | 12          | m or brn sqw + pale grn clay | Sqw            |             |                       |                         |               |  |
| 12    | 13          | m brn sqw 60% red brn smd    | Sqw/smd        |             |                       |                         | 0024          |  |
| 13    | 14          | m-dk brn sqw mnr smd         | Sqw            |             |                       | 085                     |               |  |
| 14    | 15          | m brn/red smd mnr sqw        | Smd            |             |                       |                         |               |  |
| 15    | 16          | m brn smd                    | Smd            |             |                       | 086                     | 0.02          |  |
| 16    | 17          | m brn smd mnr sqw            | Smd            |             |                       |                         |               |  |
| 17    | 18          | END H <sub>2</sub> O         |                |             |                       |                         |               |  |
| 18    | 19          |                              |                |             |                       |                         |               |  |
| 19    | 20          |                              |                |             |                       |                         |               |  |

REMARKS

DRILL HOLE No. WB1776



|                |           |            |
|----------------|-----------|------------|
| PROSPECT       | WINDY STR | EL4418A    |
| CO-ORDS        | 9000N     | 9875E      |
| COLLAR R.L.    |           | DEPTH 17   |
| COLLAR AZIM.   | 90        | INCL. 60   |
| DATE COMMENCED | 28/01/87  | COMPLETED  |
| LOGGED BY      | PLT       | SAMPLED BY |

| DEPTH   |    | DESCRIPTION                            | LITHOLOGY CODE | Mineralisation |  |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 423 | ASSAY RESULTS |     |  |
|---------|----|----------------------------------------|----------------|----------------|--|--|--|-------------|-----------------------|-----------------------------|---------------|-----|--|
| From    | To |                                        |                |                |  |  |  |             |                       |                             | g             | ppm |  |
| 01      |    | clw. red or. sand sqw 65% fine clw/snd |                |                |  |  |  |             | 2                     | 0.87                        | 0.02          |     |  |
| 1       | 2  | red + brn (red) sand he units          | Snd            |                |  |  |  |             |                       |                             |               |     |  |
| 2       | 3  | lt brn - poen + sand. Qtz              | Snd            |                |  |  |  |             | 2                     |                             | 0.018         |     |  |
| 3       | 4  | m brn sand <sup>wk phy</sup> he units  | Snd            |                |  |  |  |             |                       |                             |               |     |  |
| 4       | 5  | m-lt brn sand he units                 | Snd            |                |  |  |  |             |                       | 0.88                        |               |     |  |
| 5       | 6  | m or brn sand 20% sqw                  | Snd/sqw        |                |  |  |  |             |                       |                             |               |     |  |
| 6       | 7  | m brn sand 10% sst                     | Snd/sst        |                |  |  |  |             |                       |                             | 0.012         |     |  |
| 7       | 8  | m purp brn sand phy                    | Snd            |                |  |  |  |             |                       |                             |               |     |  |
| 8       | 9  | a/a he str                             | Snd            |                |  |  |  |             |                       | 0.89                        |               |     |  |
| 9       | 10 | a/a + 20% clay                         | Snd            |                |  |  |  |             |                       |                             |               |     |  |
| 10      | 11 | m purp sst wk phy                      | Sst            |                |  |  |  |             |                       |                             | 0.024         |     |  |
| 11      | 12 | purp sst phy                           | Sst            |                |  |  |  |             |                       |                             |               |     |  |
| 12      | 13 | m brn sand <sup>he units</sup> phy     | Snd            |                |  |  |  |             |                       | 0.90                        |               |     |  |
| 13      | 14 | m brn sqw he str                       | Sqw            |                |  |  |  |             |                       |                             |               |     |  |
| 14      | 15 | m purp/brn sst                         | Sst            |                |  |  |  |             |                       |                             | <             |     |  |
| 15      | 16 | m brn sst                              | Sst            |                |  |  |  |             |                       |                             |               |     |  |
| 16      | 17 | a/a - wett                             | Sst            |                |  |  |  |             |                       | 0.91                        |               |     |  |
| 17      | 18 | 17 EOL                                 |                |                |  |  |  |             |                       |                             |               |     |  |
| 18      | 19 |                                        |                |                |  |  |  |             |                       |                             |               |     |  |
| 19      | 20 |                                        |                |                |  |  |  |             |                       |                             |               |     |  |
| REMARKS |    |                                        |                |                |  |  |  |             |                       |                             |               |     |  |

|                |                      |            |
|----------------|----------------------|------------|
| PROSPECT       | WVWA ST              | EL 4415A   |
| CO-ORDS        | <del>9000</del> 850N | 9905E      |
| COLLAR R.L.    |                      | DEPTH 20   |
| COLLAR AZIM.   | 270                  | INCL. 60   |
| DATE COMMENCED | 28/10/89             | COMPLETED  |
| LOGGED BY      | PLT                  | SAMPLED BY |

| DEPTH |    | DESCRIPTION                                   | LITHOLOGY CODE | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 433 | ASSAY RESULTS |     |
|-------|----|-----------------------------------------------|----------------|----------------|-------------|-----------------------|-----------------------------|---------------|-----|
| From  | To |                                               |                |                |             |                       |                             | g/g           | ppm |
| 0     | 1  | lw - ind sand sqw br clay                     | Cu             |                |             |                       |                             |               |     |
| 1     | 2  | lw. lat brn clay <sup>Qtz</sup> ind sand      | Cu             |                |             | 1                     |                             | <             |     |
| 2     | 3  | lw - lat brn ind sand Qtz Fe                  | Cu             |                |             | 5                     | 0.92                        |               |     |
| 3     | 4  | sand lgt brn 60% sqw brn 40% sand/sqw         |                |                |             |                       |                             | <             |     |
| 4     | 5  | m brn sqw                                     | Sqw            |                |             |                       | 0.93                        |               |     |
| 5     | 6  | med brn sand; sqw 20% Qtz                     | Snd/sqw/Q      |                |             | 30                    | 0.94                        | 0.084         |     |
| 6     | 7  | m brn sqw; <sup>scw</sup> Qtz mm Fe           | Sqw/Q          |                |             | 20                    | 0.95                        | 0.060         |     |
| 7     | 8  | m brn sqw; Qtz mm                             | Sqw            |                |             | 5                     | 0.96                        | 0.024         |     |
| 8     | 9  | m - dk brn sqw                                | Sqw            |                |             |                       |                             |               |     |
| 9     | 10 | gy sqw                                        | Sqw            |                |             |                       | 0.97                        | 0.02          |     |
| 10    | 11 | gy to brn sand; <sup>sand brn</sup> Qtz mm Fe | Snd/Q          |                |             | 20                    | 0.98                        | 0.024         |     |
| 11    | 12 | m brn sand; mm sqw; mm Q                      | Snd            |                |             | 2                     |                             |               |     |
| 12    | 13 | m brn sand phyl                               | Snd            |                |             |                       |                             | 0.02          |     |
| 13    | 14 | m gy brn sand                                 | Snd            |                |             |                       | 0.99                        |               |     |
| 14    | 15 | m gy sand <sup>mm scw</sup> Qtz clear         | Snd/Q          |                |             | 10                    | 1.00                        | 0.060         |     |
| 15    | 16 | pmp / brn sand <sup>scw</sup> Qtz clear       | Snd/Q          |                |             | 25                    | 1.01                        | 0.024         |     |
| 16    | 17 | m brn sqw Qtz scw                             | Sqw/Q          |                |             | 10                    | 1.02                        | <             |     |
| 17    | 18 | m - dk brn sqw                                | Sqw            |                |             |                       |                             |               |     |
| 18    | 19 | gy / brn sqw (coarse)                         | Sqw            |                |             |                       |                             | <             |     |
| 19    | 20 | m brn sqw (coarse)                            | Sqw            |                |             |                       | 1.03                        |               |     |

|                |            |            |
|----------------|------------|------------|
| PROSPECT       | WUWAIA STA | EL 4415A   |
| CO-ORDS        | 8800N      | 9912.5E    |
| COLLAR R.L.    |            | DEPTH 20   |
| COLLAR AZIM.   | 270        | INCL. 60   |
| DATE COMMENCED | 28/10/89   | COMPLETED  |
| LOGGED BY      | PJT        | SAMPLED BY |

| DEPTH                      |    | DESCRIPTION                   | LITHOLOGY CODE | Mineralisation |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 423 | ASSAY RESULTS |  |
|----------------------------|----|-------------------------------|----------------|----------------|--|--|-------------|-----------------------|-----------------------------|---------------|--|
| From                       | To |                               |                |                |  |  |             |                       |                             | ppm           |  |
| 0                          | 1  | cw - lgt brn rnd sand         | cw             |                |  |  |             |                       |                             |               |  |
| 1                          | 2  | cw - lgt brn rnd sand Sgw     | cw             |                |  |  |             | 104                   |                             |               |  |
| 2                          | 3  | snd phy ll med brn / ltr cl   | cl / snd       |                |  |  |             |                       |                             |               |  |
| 3                          | 4  | m-dk brn Sgw                  | Sgw            |                |  |  |             |                       |                             |               |  |
| 4                          | 5  | m brn Sgw                     | Sgw            |                |  |  |             |                       |                             |               |  |
| 5                          | 6  | m brn / gry Sgw               | Sgw            |                |  |  |             | 105                   |                             |               |  |
| 6                          | 7  | m brn Sgw Qs dec              | Sgw            |                |  |  |             | 20.06                 | 0.02                        |               |  |
| 7                          | 8  | m brn Sgw                     | Sgw            |                |  |  |             |                       |                             |               |  |
| 8                          | 9  | m brn Sgw                     | Sgw            |                |  |  |             |                       | 0.02                        |               |  |
| 9                          | 10 | m gry Sgw                     | Sgw            |                |  |  |             |                       |                             |               |  |
| 10                         | 11 | m brn Snd                     | Snd            |                |  |  |             | 107                   |                             |               |  |
| 11                         | 12 | m or brn Snd                  | Snd            |                |  |  |             |                       |                             |               |  |
| 12                         | 13 | m brn Snd                     | Snd            |                |  |  |             |                       |                             |               |  |
| 13                         | 14 | m gry Snd wk phy              | Snd            |                |  |  |             |                       |                             |               |  |
| 14                         | 15 | a/a                           | Snd            |                |  |  |             | 108                   |                             |               |  |
| 15                         | 16 | lt gry a/a                    | Snd            |                |  |  |             |                       |                             |               |  |
| 16                         | 17 | lt gry Snd wk phy             | Snd            |                |  |  |             |                       |                             |               |  |
| 17                         | 18 | gry / brn Snd wk phy          | Snd            |                |  |  |             |                       |                             |               |  |
| 18                         | 19 | a/a                           | Snd            |                |  |  |             | 109                   |                             |               |  |
| 19                         | 20 | gry / brn Snd phy ll Qs Fe st | Snd / Q        |                |  |  |             | 110                   | 0.048                       |               |  |
| REMARKS: 162 at 19.20m CCH |    |                               |                |                |  |  |             |                       |                             |               |  |

|                |                   |
|----------------|-------------------|
| PROSPECT       | WYMA 5TH CL 44.5A |
| CO-ORDS        | 880N 9925E        |
| COLLAR R.L.    | DEPTH 20          |
| COLLAR AZIM.   | INCL. 60          |
| DATE COMMENCED | 28/4/89           |
| LOGGED BY      | PLT               |
|                | SAMPLED BY        |

| DEPTH   |    | DESCRIPTION                           | LITHOLOGY CODE | Mineralisation |  |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 423 | ASSAY RESULTS |       |  |
|---------|----|---------------------------------------|----------------|----------------|--|--|--|-------------|-----------------------|-----------------------------|---------------|-------|--|
| From    | To |                                       |                |                |  |  |  |             |                       |                             |               |       |  |
| 0       | 1  | lw - clay on yell. sand sqw           | lw             |                |  |  |  |             |                       |                             |               |       |  |
| 1       | 2  | aw - or red rd / sqw                  | cl             |                |  |  |  |             | 1                     |                             | 0.024         |       |  |
| 2       | 3  | Fe & sqw<br>lw - red sand / sqw bn    | cl/sqw         |                |  |  |  |             | 2                     | 111                         |               |       |  |
| 3       | 4  | dk gry coarse sqw                     | sqw            |                |  |  |  |             |                       |                             |               |       |  |
| 4       | 5  | m gry coarse sqw                      | sqw            |                |  |  |  |             |                       |                             |               |       |  |
| 5       | 6  | m gry/bn coarse sqw                   | sqw            |                |  |  |  |             |                       |                             |               |       |  |
| 6       | 7  | m gry <sup>crse</sup> sqw mnr clay    | sqw            |                |  |  |  |             |                       | 112                         |               |       |  |
| 7       | 8  | a/a                                   | sqw            |                |  |  |  |             |                       |                             |               |       |  |
| 8       | 9  | m gry/bn sqw coarse                   | sqw            |                |  |  |  |             |                       | 113                         |               |       |  |
| 9       | 10 | m bn crse sqw <sup>mnr Fe</sup> clear | sqw/Q          |                |  |  |  |             |                       | 114                         |               |       |  |
| 10      | 11 | m gry crse sqw                        | sqw            |                |  |  |  |             |                       |                             |               |       |  |
| 11      | 12 | m <sup>bn</sup> crse sqw mnr Q        | sqw            |                |  |  |  |             |                       | 2                           |               |       |  |
| 12      | 13 | m-dk <sup>bn</sup> crse sqw           | sqw            |                |  |  |  |             |                       | 115                         |               |       |  |
| 13      | 14 | m-dk bn crse sqw <sup>Q</sup> mnr Fe  | sqw/Q          |                |  |  |  |             |                       | 116                         |               |       |  |
| 14      | 15 | m bn sand phyll, <sup>Q</sup> mnr Fe  | snd/Q          |                |  |  |  |             |                       | 30                          | 117           | 0.036 |  |
| 15      | 16 | red/or sand + clay                    | snd            |                |  |  |  |             |                       | 118                         | 0.048         |       |  |
| 16      | 17 | bn sand 60% <sup>Q</sup> mnr ss       | snd/ss/Q       |                |  |  |  |             |                       | 10                          | 119           | 0.024 |  |
| 17      | 18 | m bn sqw <sup>Q</sup> 70% sand bn     | sqw/snd        |                |  |  |  |             |                       | 5                           | 120           | 0.024 |  |
| 18      | 19 | Sqw bn <sup>Q</sup> big white         | sqw/Q          |                |  |  |  |             |                       | 10                          | 121           | 0.036 |  |
| 19      | 20 | m bn sqw                              | sqw            |                |  |  |  |             |                       |                             | 122           | 0.024 |  |
| REMARKS |    |                                       |                |                |  |  |  |             |                       |                             |               |       |  |
| EQF     |    |                                       |                |                |  |  |  |             |                       |                             |               |       |  |

# Percussion Drill Hole Log

|                |          |            |
|----------------|----------|------------|
| PROSPECT       | WNGA STL | EL 4415A   |
| CO-ORDS        | 8800N    | 9937.5E    |
| COLLAR R.L.    |          | DEPTH 18   |
| COLLAR AZIM.   | 270      | INCL. 60   |
| DATE COMMENCED | 28/10/89 | COMPLETED  |
| LOGGED BY      | PLT      | SAMPLED BY |

| DEPTH |    | DESCRIPTION                        | LITHOLOGY CODE | Mineralisation |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 423 | ASSAY RESULTS |  |  |
|-------|----|------------------------------------|----------------|----------------|--|--|-------------|-----------------------|-----------------------------|---------------|--|--|
| From  | To |                                    |                |                |  |  |             |                       |                             | Av            |  |  |
| 0     | 1  | ch - or/rd rnd smd                 | ch             |                |  |  |             |                       |                             |               |  |  |
| 1     | 2  | ch - rnd or/rd smd sqw             | ch             |                |  |  |             |                       | 123                         | 0.0524        |  |  |
| 2     | 3  | lt grey crse sqw                   | sqw            |                |  |  |             |                       |                             |               |  |  |
| 3     | 4  | lt grey/bwn sqw (crse)             | sqw            |                |  |  |             |                       |                             | 0.024         |  |  |
| 4     | 5  | m grey sqw (crse)                  | sqw            |                |  |  |             |                       |                             |               |  |  |
| 5     | 6  | a/a                                | sqw            |                |  |  |             |                       | 124                         |               |  |  |
| 6     | 7  | or bwn sqw (crse)                  | sqw            |                |  |  |             |                       |                             |               |  |  |
| 7     | 8  | m grey crse sqw                    | sqw            |                |  |  |             |                       |                             |               |  |  |
| 8     | 9  | m grey/bwn crse sqw                | sqw            |                |  |  |             |                       |                             |               |  |  |
| 9     | 10 | m grey crse sqw                    | sqw            |                |  |  |             |                       | 125                         |               |  |  |
| 10    | 11 | lt or bwn crse sqw                 | sqw            |                |  |  |             |                       |                             |               |  |  |
| 11    | 12 | m bwn/grey crse sqw + clay         | sqw            |                |  |  |             |                       |                             |               |  |  |
| 12    | 13 | m grey sqw (crse)                  | sqw            |                |  |  |             |                       |                             |               |  |  |
| 13    | 14 | a/a                                | sqw            |                |  |  |             |                       | 126                         |               |  |  |
| 14    | 15 | a/a                                | sqw            |                |  |  |             |                       | 127                         | 0.02          |  |  |
| 15    | 16 | m grey <sup>crse</sup> sqw & Fe st | sqw/Q          |                |  |  |             |                       | 128                         |               |  |  |
| 16    | 17 | m grey/bwn crse sqw                | sqw            |                |  |  |             |                       |                             |               |  |  |
| 17    | 18 | lt grey crse sqw                   | sqw            |                |  |  |             |                       | 129                         |               |  |  |
| 18    | 19 | crse                               |                |                |  |  |             |                       |                             |               |  |  |
| 19    | 20 |                                    |                |                |  |  |             |                       |                             |               |  |  |

REMARKS

|                |                    |
|----------------|--------------------|
| PROSPECT       | WILLYA ST4 EL4415A |
| CO-ORDS        | 8800N 9950E        |
| COLLAR R.L.    | DEPTH 20           |
| COLLAR AZIM.   | 270 INCL. 60       |
| DATE COMMENCED | 28/10/89 COMPLETED |
| LOGGED BY      | PL SAMPLED BY      |

| DEPTH   |    | DESCRIPTION                                | LITHOLOGY CODE | Mineralisation |  |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 423 | ASSAY RESULTS |  |
|---------|----|--------------------------------------------|----------------|----------------|--|--|--|-------------|-----------------------|-----------------------------|---------------|--|
| From    | To |                                            |                |                |  |  |  |             |                       |                             |               |  |
| 0       | 1  | cl - ind sand <sup>gr</sup> or / glw       | cl             |                |  |  |  |             |                       |                             |               |  |
| 1       | 2  | cl - md sand Sgw 14/100 <sup>or</sup> Fe   | cl             |                |  |  |  |             | S130                  | <                           |               |  |
| 2       | 3  | mgy crse Sgw                               | Sgw            |                |  |  |  |             |                       |                             |               |  |
| 3       | 4  | a/a                                        | Sgw            |                |  |  |  |             |                       | 0.024                       |               |  |
| 4       | 5  | m br sand <sup>wk phyl</sup> mgy Sgw       | Snd            |                |  |  |  |             |                       |                             |               |  |
| 5       | 6  | mgy crse Sgw                               | Sgw            |                |  |  |  |             | 131                   |                             |               |  |
| 6       | 7  | mgy sand wk phyl + clay mgy Sgw            | Snd            |                |  |  |  |             |                       |                             |               |  |
| 7       | 8  | mgy br sand                                | Snd            |                |  |  |  |             |                       | 0.02                        |               |  |
| 8       | 9  | mgy crse Sgw                               | Sgw            |                |  |  |  |             |                       |                             |               |  |
| 9       | 10 | mgy sand <sup>wk phyl</sup> mgy Sgw 40/100 | Snd/Sgw        |                |  |  |  |             | 132                   |                             |               |  |
| 10      | 11 | mgy sand wk phyl                           | Snd            |                |  |  |  |             |                       |                             |               |  |
| 11      | 12 | mgy sand 10% Sgw                           | Snd/Sgw        |                |  |  |  |             |                       | <                           |               |  |
| 12      | 13 | a/a                                        | Snd/Sgw        |                |  |  |  |             |                       |                             |               |  |
| 13      | 14 | mgy Snd                                    | Snd            |                |  |  |  |             | 133                   |                             |               |  |
| 14      | 15 | a/a                                        | Snd            |                |  |  |  |             |                       |                             |               |  |
| 15      | 16 | mgy crse Sgw                               | Sgw            |                |  |  |  |             |                       | <                           |               |  |
| 16      | 17 | mgy sand phyl 50% Sgw 50/100               | Sgw/Snd        |                |  |  |  |             |                       |                             |               |  |
| 17      | 18 | m br sand phyl                             | Snd            |                |  |  |  |             | 134                   |                             |               |  |
| 18      | 19 | a/a                                        | Snd            |                |  |  |  |             |                       | <                           |               |  |
| 19      | 20 | a/a                                        | Snd            |                |  |  |  |             | 135                   |                             |               |  |
| REMARKS |    |                                            |                |                |  |  |  |             |                       |                             |               |  |
| EDM     |    |                                            |                |                |  |  |  |             |                       |                             |               |  |

|                |                    |
|----------------|--------------------|
| PROSPECT       | WAGA STL E2045A    |
| CO-ORDS        | 8800N 9962.5E      |
| COLLAR R.L.    | DEPTH 20           |
| COLLAR AZIM.   | 270 INCL. 60       |
| DATE COMMENCED | 30/10/89 COMPLETED |
| LOGGED BY      | PLT SAMPLED BY     |

| DEPTH       |    | DESCRIPTION                               | LITHOLOGY CODE | Mineralisation |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 223 | ASSAY RESULTS |  |  |
|-------------|----|-------------------------------------------|----------------|----------------|--|--|-------------|-----------------------|-----------------------------|---------------|--|--|
| From        | To |                                           |                |                |  |  |             |                       |                             |               |  |  |
| 0           | 1  | lw med sand; sqw red brn                  | LW             |                |  |  |             |                       |                             | .012          |  |  |
| 1           | 2  | lw-red sand; sqw; clay; <sup>red or</sup> | LW             |                |  |  |             |                       | 136                         |               |  |  |
| 2           | 3  | light brn + gy SSI tr Q                   | SSI            |                |  |  |             | fr                    |                             | .012          |  |  |
| 3           | 4  | gray brn SSI min phyl                     | SSI            |                |  |  |             |                       |                             |               |  |  |
| 4           | 5  | light <sup>yell</sup> brn SSI le on lts   | SSI            |                |  |  |             |                       |                             |               |  |  |
| 5           | 6  | a/a                                       | SSI            |                |  |  |             |                       | 137                         |               |  |  |
| 6           | 7  | m brn SSI le on lts                       | SSI            |                |  |  |             |                       |                             | .012          |  |  |
| 7           | 8  | m brn SSI 60% m brn sand soil             | S/Sand         |                |  |  |             |                       |                             |               |  |  |
| 8           | 9  | m brn smel                                | Smd            |                |  |  |             |                       | 138                         |               |  |  |
| 9           | 10 | m-dk brn Sqw Brz etc                      | Sqw            |                |  |  |             | S                     | 139                         | .012          |  |  |
| 10          | 11 | m brn Sqw                                 | Sqw            |                |  |  |             |                       |                             | .012          |  |  |
| 11          | 12 | a/a                                       | Sqw            |                |  |  |             |                       |                             |               |  |  |
| 12          | 13 | m gy crse sqw                             | Sqw            |                |  |  |             |                       |                             |               |  |  |
| 13          | 14 | m brn Sqw crse                            | Sqw            |                |  |  |             |                       | 140                         |               |  |  |
| 14          | 15 | m brn to gray sqw crse                    | Sqw            |                |  |  |             |                       |                             | .012          |  |  |
| 15          | 16 | m brn Sqw crse                            | Sqw            |                |  |  |             |                       |                             |               |  |  |
| 16          | 17 | m brn / gy sqw crse                       | Sqw            |                |  |  |             |                       |                             |               |  |  |
| 17          | 18 | m gy Sqw crse & Fe Si                     | Sqw            |                |  |  |             | fr                    | 141                         |               |  |  |
| 18          | 19 | m gy sqw crse                             | Sqw            |                |  |  |             |                       |                             | .018          |  |  |
| 19          | 20 | a/a                                       | Sqw            |                |  |  |             |                       | 142                         |               |  |  |
| REMARKS EOH |    |                                           |                |                |  |  |             |                       |                             |               |  |  |



|                |          |            |
|----------------|----------|------------|
| PROSPECT       | WUWA 5TH | FL 44131   |
| CO-ORDS        | 8800N    | 9975E      |
| COLLAR R.L.    |          | DEPTH 17   |
| COLLAR AZIM.   | 270      | INCL. 60   |
| DATE COMMENCED | 30/10/89 | COMPLETED  |
| LOGGED BY      | PLT      | SAMPLED BY |

| DEPTH |    | DESCRIPTION                       | LITHOLOGY CODE | Mineralisation |  |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 423 | ASSAY RESULTS |      |  |
|-------|----|-----------------------------------|----------------|----------------|--|--|--|-------------|-----------------------|-----------------------------|---------------|------|--|
| From  | To |                                   |                |                |  |  |  |             |                       |                             |               |      |  |
| 0     | 1  | 25 Fe.<br>a/m med sand sqw lcalor | CW             |                |  |  |  |             | 2                     |                             | .012          |      |  |
| 1     | 2  | a/a                               | CW             |                |  |  |  |             | 143                   |                             |               |      |  |
| 2     | 3  | m bn sand phyl                    | Snd            |                |  |  |  |             |                       |                             |               |      |  |
| 3     | 4  | a/a                               | Snd            |                |  |  |  |             |                       |                             | .012          |      |  |
| 4     | 5  | a/a                               | Snd            |                |  |  |  |             |                       |                             |               |      |  |
| 5     | 6  | a/a                               | Snd            |                |  |  |  |             | 144                   |                             |               |      |  |
| 6     | 7  | a/a he str                        | Snd            |                |  |  |  |             |                       |                             |               |      |  |
| 7     | 8  | a/a                               | Snd            |                |  |  |  |             |                       |                             | .012          | .012 |  |
| 8     | 9  | m bn sand phyl                    | Snd            |                |  |  |  |             | 145                   |                             |               |      |  |
| 9     | 10 | a/a 4 a sel                       | Snd tr         |                |  |  |  |             | 146                   |                             | .012          |      |  |
| 10    | 11 | m bn sand phyl                    | Snd            |                |  |  |  |             |                       |                             |               |      |  |
| 11    | 12 | a/a                               | Snd            |                |  |  |  |             |                       |                             | .012          |      |  |
| 12    | 13 | pur p/bw ss/ phyl                 | SS/            |                |  |  |  |             |                       |                             |               |      |  |
| 13    | 14 | m bn sand phyl                    | Snd            |                |  |  |  |             | 147                   |                             |               |      |  |
| 14    | 15 | m gry sand phyl                   | Snd            |                |  |  |  |             |                       |                             |               |      |  |
| 15    | 16 | a/a                               | Snd            |                |  |  |  |             |                       |                             | .012          |      |  |
| 16    | 17 | a/a                               | Snd            |                |  |  |  |             | 148                   |                             |               |      |  |
| 17    | 18 | wet ICH                           |                |                |  |  |  |             |                       |                             |               |      |  |
| 18    | 19 |                                   |                |                |  |  |  |             |                       |                             |               |      |  |
| 19    | 20 |                                   |                |                |  |  |  |             |                       |                             |               |      |  |

REMARKS

|                |           |            |
|----------------|-----------|------------|
| PROSPECT       | 61W2A 874 | F = L4415A |
| CO-ORDS        | 8800N     | 9987.5E    |
| COLLAR R.L.    |           | DEPTH 20   |
| COLLAR AZIM.   | 270       | INCL. 60   |
| DATE COMMENCED | 30/10/87  | COMPLETED  |
| LOGGED BY      | PLT       | SAMPLED BY |

| DEPTH   |    | DESCRIPTION                      | LITHOLOGY<br>CODE | Mineralisation |  |  | GRAPHIC<br>LOG | Quartz<br>%<br>1mm =<br>20% | Sample<br>Number<br>Prefix<br>423 | ASSAY RESULTS |      |      |
|---------|----|----------------------------------|-------------------|----------------|--|--|----------------|-----------------------------|-----------------------------------|---------------|------|------|
| From    | To |                                  |                   |                |  |  |                |                             |                                   |               |      |      |
| 0       | 1  | exposed red sqw ch               | ch                |                |  |  |                |                             |                                   |               |      |      |
| 1       | 2  | red/br ch - sqw                  | ch                |                |  |  |                |                             | 149                               |               |      |      |
| 2       | 3  | m-lgt brn sand w/phy             | Snd               |                |  |  |                |                             |                                   |               |      |      |
| 3       | 4  | a/a                              | Snd               |                |  |  |                |                             |                                   |               | .012 |      |
| 4       | 5  | m grey Snd phyl                  | Snd               |                |  |  |                |                             |                                   |               |      |      |
| 5       | 6  | grey sqw w/phy                   | Sqw               |                |  |  |                |                             | 150                               |               |      |      |
| 6       | 7  | a/a                              | Sqw               |                |  |  |                |                             |                                   |               | .012 | .012 |
| 7       | 8  | grey/brn sqw (crse)              | Sqw               |                |  |  |                |                             |                                   |               |      |      |
| 8       | 9  | m brn crse Sqw                   | Sqw               |                |  |  |                |                             | 151                               |               |      |      |
| 9       | 10 | m grey sqw (crse) (G.C. li str?) | Sqw/O             |                |  |  |                |                             | 50 152                            |               | .48  |      |
| 10      | 11 | m grey sqw crse                  | Sqw               |                |  |  |                |                             |                                   |               |      |      |
| 11      | 12 | a/a                              | Sqw               |                |  |  |                |                             |                                   |               | .012 |      |
| 12      | 13 | a/a                              | Sqw               |                |  |  |                |                             | 153                               |               |      |      |
| 13      | 14 | m grey sqw crse. Rhc Fe          | Sqw/O             |                |  |  |                |                             | 10 154                            |               | .02  |      |
| 14      | 15 | m brn + grey sqw crse            | Sqw               |                |  |  |                |                             |                                   |               |      |      |
| 15      | 16 | grey + purple ss/ phyl           | ss/               |                |  |  |                |                             |                                   |               | .012 |      |
| 16      | 17 | m brn Snd phyl                   | Snd               |                |  |  |                |                             |                                   |               |      |      |
| 17      | 18 | a/a                              | Snd               |                |  |  |                |                             | 155                               |               |      |      |
| 18      | 19 | a/a                              | Snd               |                |  |  |                |                             |                                   |               | .012 |      |
| 19      | 20 | a/a                              | Snd               |                |  |  |                |                             | 156                               |               |      |      |
| REMARKS |    |                                  |                   |                |  |  |                |                             |                                   |               |      |      |
| L50H    |    |                                  |                   |                |  |  |                |                             |                                   |               |      |      |

|                |                   |
|----------------|-------------------|
| PROSPECT       | WAGA STIC EL4415A |
| CO-ORDS        | 8802N 10000E.     |
| COLLAR R.L.    | DEPTH 20          |
| COLLAR AZIM.   | INCL. 6           |
| DATE COMMENCED | 30/10/89          |
| LOGGED BY      | PLT               |
| COMPLETED      | SAMPLED BY        |

| DEPTH         |    | DESCRIPTION                     | LITHOLOGY CODE | Mineralisation |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 623 | ASSAY RESULTS |     |  |
|---------------|----|---------------------------------|----------------|----------------|--|--|-------------|-----------------------|-----------------------------|---------------|-----|--|
| From          | To |                                 |                |                |  |  |             |                       |                             |               |     |  |
| 0             | 1  | cl. - red & nrd sand sqw        | CW             |                |  |  |             |                       | ...                         | 012           |     |  |
| 1             | 2  | cl. - red & nrd sand sqw & Fe   | CW             |                |  |  |             |                       | 30                          |               |     |  |
| 2             | 3  | cl. - clay sand. Fe & Qz in sqw | CW             |                |  |  |             |                       | 20                          | 157           |     |  |
| 3             | 4  | m. brn Fg sqw luster            | Sqw            |                |  |  |             |                       | :                           | ...           | 012 |  |
| 4             | 5  | m - dk brn sqw                  | Sqw            |                |  |  |             |                       |                             |               |     |  |
| 5             | 6  | a/a mar ls unit                 | Sqw            |                |  |  |             |                       |                             |               |     |  |
| 6             | 7  | m gry sqw crse                  | Sqw            |                |  |  |             |                       |                             | 158           |     |  |
| 7             | 8  | a/a Lr Qz Fe & St               | Sqw            |                |  |  |             |                       | 1                           | ...           | 012 |  |
| 8             | 9  | m gry sqw crse                  | Sqw            |                |  |  |             |                       |                             |               |     |  |
| 9             | 10 | m - dk gry sqw crse             | Sqw            |                |  |  |             |                       |                             |               |     |  |
| 10            | 11 | a/a                             | Sqw            |                |  |  |             |                       |                             | 159           |     |  |
| 11            | 12 | m. grey brn sqw crse            | Sqw            |                |  |  |             |                       |                             | ...           | 012 |  |
| 12            | 13 | m. brn + gry sqw crse           | Sqw            |                |  |  |             |                       |                             | 160           |     |  |
| 13            | 14 | m. gry sqw Qz Fe & St           | Sqw            |                |  |  |             |                       | 5                           | 161           | 012 |  |
| 14            | 15 | m. gry + brn sqw crse           | Sqw            |                |  |  |             |                       |                             | ...           | 012 |  |
| 15            | 16 | a/a                             | Sqw            |                |  |  |             |                       |                             |               |     |  |
| 16            | 17 | m. gry sqw                      | Sqw            |                |  |  |             |                       |                             | 162           |     |  |
| 17            | 18 | m. gry sqw Qz luster            | Sqw/Q          |                |  |  |             |                       | 30                          | 163           | 012 |  |
| 18            | 19 | a/a                             | Sqw/Q          |                |  |  |             |                       | 15                          | 164           | 012 |  |
| 19            | 20 | a/a                             | Sqw/Q          |                |  |  |             |                       | 7                           | 165           | 012 |  |
| REMARKS: 304/ |    |                                 |                |                |  |  |             |                       |                             |               |     |  |

|                |          |            |
|----------------|----------|------------|
| PROSPECT       | WW4A 3TH | EL44/5A    |
| CO-ORDS        | 88CON    | 10612.5E   |
| COLLAR R.L.    |          | DEPTH 20   |
| COLLAR AZIM.   | 270      | INCL. 60   |
| DATE COMMENCED | 30/10/89 | COMPLETED  |
| LOGGED BY      | PJT      | SAMPLED BY |

| DEPTH |    | DESCRIPTION                           | LITHOLOGY CODE | Mineralisation |  |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 423 | ASSAY RESULTS |      |
|-------|----|---------------------------------------|----------------|----------------|--|--|--|-------------|-----------------------|-----------------------------|---------------|------|
| From  | To |                                       |                |                |  |  |  |             |                       |                             |               |      |
| 0     | 1  | clw - cor red sand sqw                | clw            |                |  |  |  |             |                       | 166                         | 0.12          |      |
| 1     | 2  | clw - red spnk clay sand sqw          | clw            |                |  |  |  |             |                       | 167                         | 0.12          | 0.12 |
| 2     | 3  | lgt-med brn sand phyl                 | snd            |                |  |  |  |             |                       | 168                         | 0.12          |      |
| 3     | 4  | lgt-med gry sand phyl                 | snd            |                |  |  |  |             |                       | 169                         | 0.12          |      |
| 4     | 5  | m gry sqw coarse phyl                 | sqw            |                |  |  |  |             |                       | 170                         | 0.12          |      |
| 5     | 6  | a/a                                   | sqw            |                |  |  |  |             |                       | 171                         | 0.12          |      |
| 6     | 7  | m gry sqw coarse Qtz Fe <sup>st</sup> | sqw/Q          |                |  |  |  |             |                       | 172                         | 0.12          |      |
| 7     | 8  | m gry/brn sqw coarse                  | sqw            |                |  |  |  |             |                       | 173                         | 0.12          |      |
| 8     | 9  | m gry sqw coarse Qtz Fe               | sqw            |                |  |  |  |             |                       | 174                         | 0.12          |      |
| 9     | 10 | m gry sqw coarse                      | sqw            |                |  |  |  |             |                       | 175                         | 0.12          |      |
| 10    | 11 | m brn + gry sqw                       | sqw            |                |  |  |  |             |                       | 176                         | 0.12          | 0.12 |
| 11    | 12 | m grey sqw                            | sqw            |                |  |  |  |             |                       | 177                         | 0.12          |      |
| 12    | 13 | m gry sqw Qtz Fe <sup>st</sup>        | sqw/Q          |                |  |  |  |             |                       | 178                         | 0.12          |      |
| 13    | 14 | m gry sqw                             | sqw            |                |  |  |  |             |                       | 179                         | 0.12          |      |
| 14    | 15 | m gry coarse sqw Qtz Fe               | sqw/Q          |                |  |  |  |             |                       | 180                         | 0.12          |      |
| 15    | 16 | m gry sqw coarse                      | sqw            |                |  |  |  |             |                       | 181                         | 0.12          | 0.12 |
| 16    | 17 | a/a                                   | sqw            |                |  |  |  |             |                       | 182                         | 0.12          |      |
| 17    | 18 | a/a                                   | sqw            |                |  |  |  |             |                       | 183                         | 0.12          |      |
| 18    | 19 | a/a                                   | sqw            |                |  |  |  |             |                       | 184                         | 0.12          |      |
| 19    | 20 | a/a                                   | sqw            |                |  |  |  |             |                       | 185                         | 0.12          |      |



|                |          |            |
|----------------|----------|------------|
| PROSPECT       | WHA-5TH  | EL 4415A   |
| CO-ORDS        | 8800N    | 10025E     |
| COLLAR R.L.    |          | DEPTH 20   |
| COLLAR AZIM.   | 270      | INCL. 60   |
| DATE COMMENCED | 30/10/89 | COMPLETED  |
| LOGGED BY      | PLT      | SAMPLED BY |

| DEPTH   |    | DESCRIPTION                                        | LITHOLOGY<br>CODE | Mineralisation |  |  | GRAPHIC<br>LOG | Quartz<br>%<br>1mm =<br>20% | Sample<br>Number<br>Prefix<br>428 | ASSAY RESULTS |     |  |
|---------|----|----------------------------------------------------|-------------------|----------------|--|--|----------------|-----------------------------|-----------------------------------|---------------|-----|--|
| From    | To |                                                    |                   |                |  |  |                |                             |                                   |               |     |  |
| 0       | 1  | chw- or. rnd sand sqw soil                         | chw.              |                |  |  |                |                             |                                   | ...           | 012 |  |
| 1       | 2  | chw- red sqw rnd sand                              | chw               |                |  |  |                |                             |                                   | 177           |     |  |
| 2       | 3  | m <sup>or</sup> bun sqw test mnrchw                | Sqw               |                |  |  |                |                             |                                   | ...           | 012 |  |
| 3       | 4  | a/a                                                | Sqw               |                |  |  |                |                             |                                   | ...           |     |  |
| 4       | 5  | mgy sqw crse                                       | Sqw               |                |  |  |                |                             |                                   | ...           |     |  |
| 5       | 6  | a/a                                                | Sqw               |                |  |  |                |                             |                                   | 1.78          |     |  |
| 6       | 7  | m <sup>or</sup> bun Sqw crse                       | Sqw               |                |  |  |                |                             |                                   | ...           | 012 |  |
| 7       | 8  | a/a                                                | Sqw               |                |  |  |                |                             |                                   | ...           |     |  |
| 8       | 9  | mgy sqw crse                                       | Sqw               |                |  |  |                |                             |                                   | ...           |     |  |
| 9       | 10 | m bun sqw crse                                     | Sqw               |                |  |  |                |                             |                                   | 1.79          |     |  |
| 10      | 11 | a/a                                                | Sqw               |                |  |  |                |                             |                                   | ...           | 012 |  |
| 11      | 12 | lgt gy sqw crse                                    | Sqw               |                |  |  |                |                             |                                   | 1.80          |     |  |
| 12      | 13 | m <sup>or</sup> bun sqw crse. <sup>SS</sup> to le. | Sqw               |                |  |  |                |                             |                                   | 1.81          | 012 |  |
| 13      | 14 | m bun sand phyl                                    | Snd               |                |  |  |                |                             |                                   |               |     |  |
| 14      | 15 | mgy <sup>SS</sup> f <sup>or</sup> sqw to clay      | Sqw               |                |  |  |                |                             |                                   | ...           | 012 |  |
| 15      | 16 | mgy crse sqw                                       | Sqw               |                |  |  |                |                             |                                   | ...           |     |  |
| 16      | 17 | a/a                                                | Sqw               |                |  |  |                |                             |                                   | 1.82          |     |  |
| 17      | 18 | m bun sand phyl                                    | Snd               |                |  |  |                |                             |                                   | ...           |     |  |
| 18      | 19 | mgy sand phyl                                      | Snd               |                |  |  |                |                             |                                   | ...           | 012 |  |
| 19      | 20 | a/a                                                | Snd               |                |  |  |                |                             |                                   | 1.83          |     |  |
| REMARKS |    |                                                    |                   |                |  |  |                |                             |                                   |               |     |  |
| LGH     |    |                                                    |                   |                |  |  |                |                             |                                   |               |     |  |

|                |           |            |
|----------------|-----------|------------|
| PROSPECT       | WNGA ST-1 | EL4415A    |
| CO-ORDS        | 8800N     | 10037.5E   |
| COLLAR R.L.    |           | DEPTH 20   |
| COLLAR AZIM.   | 270       | INCL. 60   |
| DATE COMMENCED | 30/10/89  | COMPLETED  |
| LOGGED BY      | PLP       | SAMPLED BY |

| DEPTH   |    | DESCRIPTION                  | LITHOLOGY CODE | Mineralisation |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 423 | ASSAY RESULTS |     |    |
|---------|----|------------------------------|----------------|----------------|--|--|-------------|-----------------------|-----------------------------|---------------|-----|----|
| From    | To |                              |                |                |  |  |             |                       |                             |               |     |    |
| 0       | 1  | ch - or red ind sand sqw     | ch             |                |  |  |             |                       |                             | 012           |     |    |
| 1       | 2  | ch - ind red mnr or fine sqw | ch             |                |  |  |             |                       | 184                         |               |     |    |
| 2       | 3  | m bn sqw phyl                | Sqw            |                |  |  |             |                       |                             | 012           |     |    |
| 3       | 4  | a/a                          | Sqw            |                |  |  |             |                       |                             |               |     |    |
| 4       | 5  | m bn sqw phyl                | Sqw            |                |  |  |             |                       |                             |               |     |    |
| 5       | 6  | a/a                          | Sqw            |                |  |  |             |                       | 185                         |               |     |    |
| 6       | 7  | m bn sqw or fine stk         | Sqw            |                |  |  |             |                       | 30 186                      | 012           |     |    |
| 7       | 8  | Silic sand or fine ch        | Snd/ch         |                |  |  |             |                       | 40 187                      | 012           |     |    |
| 8       | 9  | bn sqw coarse mtr or         | Sqw            |                |  |  |             |                       | 3 188                       | 012           |     |    |
| 9       | 10 | m bn sqw ke unit             | Sqw            |                |  |  |             |                       |                             | 012           |     |    |
| 10      | 11 | m bn sqw ke unit             | Sqw            |                |  |  |             |                       | 1                           |               |     |    |
| 11      | 12 | m or bn sqw mtr or           | Sqw            |                |  |  |             |                       | tr                          |               |     |    |
| 12      | 13 | a/a                          | Sqw            |                |  |  |             |                       | 189                         |               |     |    |
| 13      | 14 | m or bn sqw                  | Sqw            |                |  |  |             |                       |                             | 012           |     |    |
| 14      | 15 | a/a                          | Sqw            |                |  |  |             |                       |                             |               |     |    |
| 15      | 16 | m bn sqw coarse              | Sqw            |                |  |  |             |                       |                             |               |     |    |
| 16      | 17 | m or bn sqw coarse           | Sqw            |                |  |  |             |                       | 190                         |               |     |    |
| 17      | 18 | m bn sqw coarse              | Sqw            |                |  |  |             |                       |                             | 012           | 012 | 03 |
| 18      | 19 | a/a                          | Sqw            |                |  |  |             |                       |                             |               |     |    |
| 19      | 20 | m qtz sqw coarse             | Sqw            |                |  |  |             |                       | 191                         |               |     |    |
| REMARKS |    |                              |                |                |  |  |             |                       |                             |               |     |    |

|                |           |            |
|----------------|-----------|------------|
| PROSPECT       | WINGA STH | EL 4415A   |
| CO-ORDS        | 8800N     | 10080E     |
| COLLAR R.L.    |           | DEPTH 20   |
| COLLAR AZIM.   | 270       | INCL. 60   |
| DATE COMMENCED | 30/10/89  | COMPLETED  |
| LOGGED BY      | PJT       | SAMPLED BY |

| DEPTH   |    | DESCRIPTION                           | LITHOLOGY<br>CODE | Mineralisation |  |  | GRAPHIC<br>LOG | Quartz<br>%<br>1mm =<br>20% | Sample<br>Number<br>Prefix<br>423 | ASSAY RESULTS |  |  |
|---------|----|---------------------------------------|-------------------|----------------|--|--|----------------|-----------------------------|-----------------------------------|---------------|--|--|
| From    | To |                                       |                   |                |  |  |                |                             |                                   |               |  |  |
| 0       | 1  | Ch-ored ind sand spn <sup>Q5 Fe</sup> | CW                |                |  |  |                | 5                           |                                   | .012          |  |  |
| 1       | 2  | Ch - red blk clay sand                | CW                |                |  |  |                |                             |                                   |               |  |  |
| 2       | 3  | CW sand clay Sand lgt br              | CW/Snd            |                |  |  |                | 192                         |                                   |               |  |  |
| 3       | 4  | lgt brn sand wk phyl                  | Snd               |                |  |  |                | 193                         | .012                              |               |  |  |
| 4       | 5  | lgt brn Ssl milky Q                   | SS/Q              |                |  |  |                | 20                          | 194                               | .012          |  |  |
| 5       | 6  | m brn Ssqw (fg) milky Q               | Sq/Q              |                |  |  |                | 10                          | 195                               | .012          |  |  |
| 6       | 7  | brn/ary Ssqw wk phyl                  | Ssqw              |                |  |  |                | 196                         | .012                              |               |  |  |
| 7       | 8  | m-lgt gys Ssqwse @ 5 chn              | Sq/Q              |                |  |  |                | 10                          | 197                               | .012          |  |  |
| 8       | 9  | m gys Ssqw coarse                     | Ssqw              |                |  |  |                |                             | .024                              |               |  |  |
| 9       | 10 | a/a                                   | Ssqw              |                |  |  |                |                             |                                   |               |  |  |
| 10      | 11 | Ssqw brn 30% Snd brn phyl             | Snd/Ssqw          |                |  |  |                |                             |                                   |               |  |  |
| 11      | 12 | m brn Snd wk phyl                     | Snd               |                |  |  |                | 198                         |                                   |               |  |  |
| 12      | 13 | a/a phyl                              | Snd               |                |  |  |                |                             |                                   | .060          |  |  |
| 13      | 14 | a/a                                   | Snd               |                |  |  |                |                             |                                   |               |  |  |
| 14      | 15 | a/a                                   | Snd               |                |  |  |                |                             |                                   |               |  |  |
| 15      | 16 | lgt gys brn Snd phyl                  | Snd               |                |  |  |                | 199                         |                                   |               |  |  |
| 16      | 17 | a/a                                   | Snd               |                |  |  |                |                             |                                   |               |  |  |
| 17      | 18 | a/a                                   | Snd               |                |  |  |                |                             |                                   | .012          |  |  |
| 18      | 19 | a/a                                   | Snd               |                |  |  |                |                             |                                   |               |  |  |
| 19      | 20 | a/a                                   | Snd               |                |  |  |                |                             | 200                               |               |  |  |
| REMARKS |    |                                       |                   |                |  |  |                |                             |                                   |               |  |  |
| C04     |    |                                       |                   |                |  |  |                |                             |                                   |               |  |  |



|                |          |              |
|----------------|----------|--------------|
| PROSPECT       | WYKHA    | 5TH EL 40/54 |
| CO-ORDS        | 8800N    | 9900E        |
| COLLAR R.L.    |          | DEPTH 20     |
| COLLAR AZIM.   | 090      | INCL. 60     |
| DATE COMMENCED | 30/10/89 | COMPLETED    |
| LOGGED BY      | PCT      | SAMPLED BY   |

## REMARKS

| DEPTH       |    | DESCRIPTION                              | LITHOLOGY CODE | Mineralisation |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 423 | ASSAY RESULTS |      |  |
|-------------|----|------------------------------------------|----------------|----------------|--|--|-------------|-----------------------|-----------------------------|---------------|------|--|
| From        | To |                                          |                |                |  |  |             |                       |                             |               |      |  |
| 0           | 1  | Ch-clay lgt brn sand                     | CW             |                |  |  |             |                       |                             | 201           | .012 |  |
| 1           | 2  | Ch-clay lgt med brn                      | CW             |                |  |  |             |                       |                             |               |      |  |
| 2           | 3  | brn/gry sqw crse                         | Sqw            |                |  |  |             |                       |                             |               | .036 |  |
| 3           | 4  | light gry sqw crse                       | Sqw            |                |  |  |             |                       |                             |               |      |  |
| 4           | 5  | lgt or brn sqw crse                      | Sqw            |                |  |  |             |                       |                             | 202           |      |  |
| 5           | 6  | m gry sqw crse tr a                      | Sqw            |                |  |  |             |                       |                             |               |      |  |
| 6           | 7  | a/a                                      | Sqw            |                |  |  |             |                       |                             |               | .024 |  |
| 7           | 8  | a/a                                      | Sqw            |                |  |  |             |                       |                             |               |      |  |
| 8           | 9  | lgt gry <sup>brn</sup> sqw crse          | Sqw            |                |  |  |             |                       |                             | 203           |      |  |
| 9           | 10 | a/a                                      | Sqw            |                |  |  |             |                       |                             |               |      |  |
| 10          | 11 | a/a                                      | Sqw            |                |  |  |             |                       |                             |               | .012 |  |
| 11          | 12 | a/a                                      | Sqw            |                |  |  |             |                       |                             |               |      |  |
| 12          | 13 | m brn sqw crse tr a                      | Sqw            |                |  |  |             |                       |                             | 204           |      |  |
| 13          | 14 | m grey sqw crse                          | Sqw            |                |  |  |             |                       |                             |               |      |  |
| 14          | 15 | m-lgt grey sqw crse                      | Sqw            |                |  |  |             |                       |                             |               | .024 |  |
| 15          | 16 | m-brn sqw                                | Sqw            |                |  |  |             |                       |                             |               |      |  |
| 16          | 17 | m grey sand phyl                         | Snd            |                |  |  |             |                       |                             | 205           |      |  |
| 17          | 18 | a/a mnt sqw                              | Snd            |                |  |  |             |                       |                             |               |      |  |
| 18          | 19 | m gry sand phyl 70% gry sqw 30% sand/sqw |                |                |  |  |             |                       |                             |               | .012 |  |
| 19          | 20 | m-lgt gry sqw                            | Sqw            |                |  |  |             |                       |                             | 206           |      |  |
| REMARKS EOH |    |                                          |                |                |  |  |             |                       |                             |               |      |  |





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|                |                     |            |
|----------------|---------------------|------------|
| PROSPECT       | W W G A STH EL4415A |            |
| CO-ORDS        | 8 PCUN              | 9887.5E    |
| COLLAR R.L.    |                     | DEPTH 19   |
| COLLAR AZIM.   | 090                 | INCL. 60   |
| DATE COMMENCED | 30/10/89            | COMPLETED  |
| LOGGED BY      | PLT                 | SAMPLED BY |

| DEPTH   |    | DESCRIPTION                            | LITHOLOGY CODE | Mineralisation |  |  |  | GRAPHIC LOG | Quartz %<br>Imm = 20% | Sample Number<br>Prefix 422 | ASSAY RESULTS |      |  |  |
|---------|----|----------------------------------------|----------------|----------------|--|--|--|-------------|-----------------------|-----------------------------|---------------|------|--|--|
| From    | To |                                        |                |                |  |  |  |             |                       |                             |               |      |  |  |
| 0       | 1  | ch red/or clay red sand                | chw            |                |  |  |  |             |                       |                             |               | .012 |  |  |
| 1       | 2  | ch red/or clay red sand squ            | chw            |                |  |  |  |             |                       | 208                         |               |      |  |  |
| 2       | 3  | m brn squ w <sup>vol</sup> ch          | Squ/ch         |                |  |  |  |             |                       |                             |               | .012 |  |  |
| 3       | 4  | M gray Squ ore tr Q                    | Squ            |                |  |  |  |             | tv                    |                             |               |      |  |  |
| 4       | 5  | m gray Squ 60% smd phyll 40%           | Squ/smd        |                |  |  |  |             |                       | 208                         |               |      |  |  |
| 5       | 6  | m gray smd phyll                       | Smd            |                |  |  |  |             |                       |                             |               |      |  |  |
| 6       | 7  | m brn smd phyll                        | Smd            |                |  |  |  |             |                       |                             |               | .132 |  |  |
| 7       | 8  | m brn or <del>squ</del> squ crse       | Squ            |                |  |  |  |             |                       | 209                         |               |      |  |  |
| 8       | 9  | M brn Squ                              | Squ            |                |  |  |  |             |                       |                             |               |      |  |  |
| 9       | 10 | m brn Squ Qz clear stls                | Squ/Q          |                |  |  |  |             |                       | 15210                       |               | .08  |  |  |
| 10      | 11 | a/a                                    | Squ/Q          |                |  |  |  |             |                       | 30211                       |               | .06  |  |  |
| 11      | 12 | m brn Squ 60% <sup>mmr</sup> Smd phyll | Squ/smd        |                |  |  |  |             |                       | 2                           |               | .012 |  |  |
| 12      | 13 | m brn Squ 10% Smd phyll 90% Smd Squ    | Squ/Squ        |                |  |  |  |             |                       | 212                         |               |      |  |  |
| 13      | 14 | m brn Squ Qz stl clear                 | Squ            |                |  |  |  |             |                       | 2                           |               |      |  |  |
| 14      | 15 | m gray Squ Qz clear                    | Squ/Q          |                |  |  |  |             |                       | 40213                       |               | .08  |  |  |
| 15      | 16 | m gray Squ mmr red smd                 | Squ            |                |  |  |  |             | tv                    |                             |               | .012 |  |  |
| 16      | 17 | m gray Squ mmr smd                     | Squ            |                |  |  |  |             |                       | 214                         |               |      |  |  |
| 17      | 18 | m gray Squ Qz, E.L.                    | Squ/Q          |                |  |  |  |             |                       | 20215                       |               | .036 |  |  |
| 18      | 19 | alk                                    | Squ/Q          |                |  |  |  |             |                       | 50216                       |               | .02  |  |  |
| 19      | 20 | wet EOL                                |                |                |  |  |  |             |                       | 217                         |               | SNR  |  |  |
| REMARKS |    |                                        |                |                |  |  |  |             |                       |                             |               |      |  |  |

# Percussion Drill Hole Log

|                |          |            |       |
|----------------|----------|------------|-------|
| PROSPECT       | WHA 8TH  | EL         | 4418A |
| CO-ORDS        | 2800N    | 9875E      |       |
| COLLAR R.L.    |          | DEPTH      | 18    |
| COLLAR AZIM.   | 090      | INCL.      | 60    |
| DATE COMMENCED | 30/08/89 | COMPLETED  |       |
| LOGGED BY      | PLT.     | SAMPLED BY |       |

| DEPTH   |    | DESCRIPTION                     | LITHOLOGY CODE | Mineralisation |  |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 423 | ASSAY RESULTS |      |      |
|---------|----|---------------------------------|----------------|----------------|--|--|--|-------------|-----------------------|-----------------------------|---------------|------|------|
| From    | To |                                 |                |                |  |  |  |             |                       |                             |               |      |      |
| 0       | 1  | lw - clay sqw - lg + b          | Cw             |                |  |  |  |             |                       | 218                         |               |      |      |
| 1       | 2  | lw - ind red sqw sand           | Cw             |                |  |  |  |             |                       |                             |               |      |      |
| 2       | 3  | m bn sqw to CW                  | Sqw            |                |  |  |  |             |                       | 1                           |               |      | .012 |
| 3       | 4  | m bn sand phyl 10/sq            | Snd/sqw        |                |  |  |  |             |                       | 219                         |               |      |      |
| 4       | 5  | m bn sand phyl                  | Snd            |                |  |  |  |             |                       |                             |               |      |      |
| 5       | 6  | m bn ss/50% phyl                | ss/snd         |                |  |  |  |             |                       |                             |               |      |      |
| 6       | 7  | m bn ss/40% fg sqw 60%          | Sqw/ss         |                |  |  |  |             |                       |                             |               |      | .012 |
| 7       | 8  | m bn sqw                        | Sqw            |                |  |  |  |             |                       | 220                         |               |      |      |
| 8       | 9  | m bn sand phyl + clay           | Snd            |                |  |  |  |             |                       |                             |               |      |      |
| 9       | 10 | m bn sand phyl 70% m bn sqw 30% | Snd/sqw        |                |  |  |  |             |                       |                             |               |      |      |
| 10      | 11 | m bn sand phyl                  | Snd            |                |  |  |  |             |                       |                             |               | .02  | .012 |
| 11      | 12 | m bn sqw crse                   | Sqw            |                |  |  |  |             |                       | 221                         |               |      |      |
| 12      | 13 | a/a                             | Sqw            |                |  |  |  |             |                       |                             |               |      |      |
| 13      | 14 | m gray sqw crse                 | Sqw            |                |  |  |  |             |                       |                             |               |      |      |
| 14      | 15 | m gray + bn sqw crse            | Sqw            |                |  |  |  |             |                       | 222                         |               | .024 |      |
| 15      | 16 | m bn sqw qz cler                | Sqw/a          |                |  |  |  |             |                       | 223                         |               | .132 |      |
| 16      | 17 | m bn sqw crse                   | Sqw            |                |  |  |  |             |                       |                             |               |      |      |
| 17      | 18 | a/a tra                         | Sqw            |                |  |  |  |             |                       | 1 224                       |               | .012 |      |
| 18      | 19 | .824 wet                        |                |                |  |  |  |             |                       |                             |               |      |      |
| 19      | 20 |                                 |                |                |  |  |  |             |                       |                             |               |      |      |
| REMARKS |    |                                 |                |                |  |  |  |             |                       |                             |               |      |      |

|                |            |            |           |
|----------------|------------|------------|-----------|
| PROSPECT       | NW 9TH STH |            | EC 441874 |
| CO-ORDS        | 8800N      | 9862.5E    |           |
| COLLAR R.L.    |            | DEPTH 20   |           |
| COLLAR AZIM.   | 090        | INCL 60    |           |
| DATE COMMENCED | 30/2/77    | COMPLETED  |           |
| LOGGED BY      | PLT        | SAMPLED BY |           |

| DEPTH       |    | DESCRIPTION                             | LITHOLOGY CODE | Mineralisation |  |  |  | GRAPHIC LOG | Quartz %<br>Imm = 20% | Sample Number<br>Prefix 423 | ASSAY RESULTS |      |  |
|-------------|----|-----------------------------------------|----------------|----------------|--|--|--|-------------|-----------------------|-----------------------------|---------------|------|--|
| From        | To |                                         |                |                |  |  |  |             |                       |                             |               |      |  |
| 0           | 1  | cht ind or / yellow sand sqw            | CH             |                |  |  |  |             |                       |                             |               |      |  |
| 1           | 2  | cht-rnd coarsed sand sqw                | CH             |                |  |  |  |             |                       | 225                         |               |      |  |
| 2           | 3  | m grey sqw med sand                     | Sqw            |                |  |  |  |             |                       |                             |               | .012 |  |
| 3           | 4  | m grey/bwn sqw coarse                   | Sqw            |                |  |  |  |             |                       | 226                         |               |      |  |
| 4           | 5  | a/a                                     | Sqw            |                |  |  |  |             |                       |                             |               | .012 |  |
| 5           | 6  | m bwn sqw coarse                        | Sqw            |                |  |  |  |             |                       |                             |               |      |  |
| 6           | 7  | m bwn SS/                               | SS/            |                |  |  |  |             |                       |                             |               | .012 |  |
| 7           | 8  | m bwn / purp sqw                        | Sqw            |                |  |  |  |             |                       |                             |               |      |  |
| 8           | 9  | m bwn sqw he str                        | Sqw            |                |  |  |  |             |                       | 227                         |               |      |  |
| 9           | 10 | m bwn sqw coarse                        | Sqw            |                |  |  |  |             |                       |                             |               |      |  |
| 10          | 11 | a/a                                     | Sqw            |                |  |  |  |             |                       |                             |               | .012 |  |
| 11          | 12 | a/a                                     | Sqw            |                |  |  |  |             |                       | 228                         |               |      |  |
| 12          | 13 | m bwn sqw fq. phyl                      | Sqw            |                |  |  |  |             |                       |                             |               |      |  |
| 13          | 14 | m bwn sand 10% sqw                      | Sand Sqw       |                |  |  |  |             |                       |                             |               |      |  |
| 14          | 15 | m grey sqw <sup>10%</sup> med sand phyl | Sqw/Sand       |                |  |  |  |             |                       |                             |               | .012 |  |
| 15          | 16 | m bwn sqw                               | Sqw            |                |  |  |  |             |                       | 229                         |               |      |  |
| 16          | 17 | red bwn sand phyl                       | Sand           |                |  |  |  |             |                       |                             |               |      |  |
| 17          | 18 | m bwn Sand phyl                         | Sand           |                |  |  |  |             |                       |                             |               |      |  |
| 18          | 19 | m grey sand phyl                        | Sand           |                |  |  |  |             |                       |                             |               |      |  |
| 19          | 20 | a/a                                     | Sand           |                |  |  |  |             |                       | 230                         |               | .012 |  |
| REMARKS EOH |    |                                         |                |                |  |  |  |             |                       |                             |               |      |  |

DRILL HOLE No. WB1794



|                |          |            |
|----------------|----------|------------|
| PROSPECT       | WVHA 5TH | EL 4415A   |
| CO-ORDS        | 8800N    | 9850E      |
| COLLAR R.L.    |          | DEPTH 20   |
| COLLAR AZIM.   | 090      | INCL. 60   |
| DATE COMMENCED | 30/10/84 | COMPLETED  |
| LOGGED BY      | PLT      | SAMPLED BY |

| DEPTH           |    | DESCRIPTION                  | LITHOLOGY CODE       | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 423 | ASSAY RESULTS |  |
|-----------------|----|------------------------------|----------------------|----------------|-------------|-----------------------|-----------------------------|---------------|--|
| From            | To |                              |                      |                |             |                       |                             |               |  |
| 0               | 1  | clw - yell/or rind. sand sqw | Q <sub>3</sub> Fe CW |                |             | 5                     |                             | .012          |  |
| 1               | 2  | clw - red / or rind sqw      | Q <sub>3</sub> Fe CW |                |             |                       | 231                         |               |  |
| 2               | 3  | clw - red clay /             | Sqw brn              |                |             |                       |                             |               |  |
| 3               | 4  | m gray / brn                 | Sqw crse             |                |             |                       |                             | .012          |  |
| 4               | 5  | a/a                          | Sqw                  |                |             |                       | 232                         |               |  |
| 5               | 6  | m brn / gray                 | Sqw                  |                |             |                       |                             |               |  |
| 6               | 7  | m brn sand phyll             | min Sqw              | Snd            |             |                       |                             |               |  |
| 7               | 8  | m brn sand phyll             | brn Sqw 40%          | Snd / Sqw      |             |                       |                             | .012          |  |
| 8               | 9  | m brn sand phyll             | brn Sqw 40%          | Snd / Sqw      |             |                       | 233                         |               |  |
| 9               | 10 | m or brn sand phyll          |                      | Snd            |             |                       |                             |               |  |
| 10              | 11 | m - dk brn sand phyll        |                      | Snd            |             |                       |                             |               |  |
| 11              | 12 | m brn / gray                 | Sqw crse             | Sqw            |             |                       |                             | .012          |  |
| 12              | 13 | a/a                          | + clay               | Sqw            |             |                       | 234                         |               |  |
| 13              | 14 | m gray                       | Sqw                  | alc phyll      | Sqw         |                       |                             |               |  |
| 14              | 15 | m brn / gray                 | Sqw                  |                |             |                       |                             |               |  |
| 15              | 16 | m brn                        | Sqw crse             | Sqw            |             |                       |                             | .012          |  |
| 16              | 17 | m brn                        | Sqw 20% ss           | Sqw / ss       |             |                       | 235                         |               |  |
| 17              | 18 | m brn                        | Sqw crse             | Sqw            |             |                       |                             |               |  |
| 18              | 19 | m - dk brn                   | Sqw                  |                |             |                       |                             |               |  |
| 19              | 20 | m gray                       | Sqw ss               | ss             |             |                       | 236                         | .012          |  |
| REMARKS: E-01-1 |    |                              |                      |                |             |                       |                             |               |  |

|                |          |            |
|----------------|----------|------------|
| PROSPECT       | WVLA 5TH | EL 4415A   |
| CO-ORDS        | 8200N    | 9837.5E    |
| COLLAR R.L.    |          | DEPTH 79   |
| COLLAR AZIM.   | 090      | INCL. 60   |
| DATE COMMENCED | 30/10/89 | COMPLETED  |
| LOGGED BY      | PLT      | SAMPLED BY |

| DEPTH |    | DESCRIPTION                                                                  | LITHOLOGY CODE | Mineralisation |  |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 423 | ASSAY RESULTS |     |  |
|-------|----|------------------------------------------------------------------------------|----------------|----------------|--|--|--|-------------|-----------------------|-----------------------------|---------------|-----|--|
| From  | To |                                                                              |                |                |  |  |  |             |                       |                             |               |     |  |
| 0     | 1  | ch. and oxid red sand sqw                                                    | ch             |                |  |  |  |             |                       | 237                         | 012           | 012 |  |
| 1     | 2  | ch-vnd red sand sqw 15% Fe                                                   | clv            |                |  |  |  |             |                       |                             |               |     |  |
| 2     | 3  | 25% <del>ch</del> clv, Squ grey phyll 10% <del>SS</del> <sup>phyl</sup> sand | ch/SS/SSl      |                |  |  |  |             |                       |                             | 012           | 012 |  |
| 3     | 4  | m. brn sqw (Fg)                                                              | Sqw            |                |  |  |  |             |                       | 238                         |               |     |  |
| 4     | 5  | m brn sqw 50% <sup>phyl</sup> Sand phyll 50% Ssqw sand.                      | Ssqw sand.     |                |  |  |  |             |                       |                             |               |     |  |
| 5     | 6  | m brown sqw 10% Sand phyll                                                   | Ssqw sand      |                |  |  |  |             |                       |                             |               |     |  |
| 6     | 7  | m brown sand 25% Fe                                                          | snd/Q          |                |  |  |  |             |                       | 239                         | 012           |     |  |
| 7     | 8  | m brn SS1 phyll                                                              | SS1            |                |  |  |  |             |                       |                             | 012           |     |  |
| 8     | 9  | m brn + grey sqw                                                             | Sqw            |                |  |  |  |             |                       | 240                         |               |     |  |
| 9     | 10 | m grey sqw mbrn sand                                                         | Sqw            |                |  |  |  |             |                       |                             |               |     |  |
| 10    | 11 | m grey sqw crse                                                              | Sqw            |                |  |  |  |             |                       |                             |               |     |  |
| 11    | 12 | m brn sqw crse                                                               | Sqw            |                |  |  |  |             |                       |                             | 012           |     |  |
| 12    | 13 | m brn sqw crse                                                               | Sqw            |                |  |  |  |             |                       | 241                         |               |     |  |
| 13    | 14 | m brn/purp SS1 phyll                                                         | SS1            |                |  |  |  |             |                       |                             |               |     |  |
| 14    | 15 | m brn <sup>purp</sup> sand phyll                                             | Snd            |                |  |  |  |             |                       |                             |               |     |  |
| 15    | 16 | m grey purp sand phyll                                                       | Snd            |                |  |  |  |             |                       |                             | 012           |     |  |
| 16    | 17 | m purp SS1 phyll                                                             | SS1            |                |  |  |  |             |                       | 242                         |               |     |  |
| 17    | 18 | brn/green to red brn sand phyll                                              | Snd            |                |  |  |  |             |                       |                             |               |     |  |
| 18    | 19 | purp sand 30% brn sqw 70% sqw/sand                                           |                |                |  |  |  |             |                       |                             |               |     |  |
| 19    | 20 | 19 EOH                                                                       |                |                |  |  |  |             |                       |                             |               |     |  |

REMARKS  
 504  
 14-20 Little as seen

|                |           |            |
|----------------|-----------|------------|
| PROSPECT       | W NWA 5TH | FL 4415A   |
| CO-ORDS        | 8800N     | 9825E      |
| COLLAR R.L.    |           | DEPTH 20   |
| COLLAR AZIM.   | 690       | INCL. 60   |
| DATE COMMENCED | 31/10/89  | COMPLETED  |
| LOGGED BY      | AT        | SAMPLED BY |

| DEPTH   |    | DESCRIPTION                              | LITHOLOGY CODE | Mineralisation |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 423 | ASSAY RESULTS |  |  |
|---------|----|------------------------------------------|----------------|----------------|--|--|-------------|-----------------------|-----------------------------|---------------|--|--|
| From    | To |                                          |                |                |  |  |             |                       |                             |               |  |  |
| 0       | 1  | clv - red sand sgw red/brown             | CH             |                |  |  |             |                       |                             |               |  |  |
| 1       | 2  | clv - red sgw mm sand red/or             | CH             |                |  |  |             | 5                     | 243                         |               |  |  |
| 2       | 3  | m brown sgw mm sand                      | Sgw            |                |  |  |             |                       |                             |               |  |  |
| 3       | 4  | m brown sgw 60% i. brown sand phyl       | Sgw/bnd        |                |  |  |             |                       | 244                         |               |  |  |
| 4       | 5  | m grey sand w/ phyl 70% Sgw 30% Sand/Sgw | Sgw            |                |  |  |             |                       |                             |               |  |  |
| 5       | 6  | lt brown sand                            | Snd            |                |  |  |             |                       |                             |               |  |  |
| 6       | 7  | m grey/brown sgw mm sand                 | Sgw            |                |  |  |             |                       |                             |               |  |  |
| 7       | 8  | m grey/brown sand 60% ss/lt. Snd/SS      | Snd/SS         |                |  |  |             |                       | 245                         |               |  |  |
| 8       | 9  | m grey/brown Sgw                         | Sgw            |                |  |  |             |                       |                             |               |  |  |
| 9       | 10 | a/a coarse Sgw                           | Sgw            |                |  |  |             |                       |                             |               |  |  |
| 10      | 11 | m grey sgw coarse Sgw                    | Sgw            |                |  |  |             |                       |                             |               |  |  |
| 11      | 12 | m grey sgw 70% 30% ss/lt. phyl Sgw/SS    | Sgw/SS         |                |  |  |             |                       | 246                         |               |  |  |
| 12      | 13 | m grey Sgw                               | Sgw            |                |  |  |             |                       |                             |               |  |  |
| 13      | 14 | a/a + 20% sand phyl Sgw/bnd              | Sgw/bnd        |                |  |  |             |                       |                             |               |  |  |
| 14      | 15 | m grey Sgw                               | Sgw            |                |  |  |             |                       |                             |               |  |  |
| 15      | 16 | m brown - grey Sgw                       | Sgw            |                |  |  |             |                       | 247                         |               |  |  |
| 16      | 17 | m grey Sgw coarse Sgw                    | Sgw            |                |  |  |             |                       |                             |               |  |  |
| 17      | 18 | m grey/brown Sgw                         | Sgw            |                |  |  |             |                       |                             |               |  |  |
| 18      | 19 | m grey Sgw coarse Sgw                    | Sgw            |                |  |  |             |                       | 248                         |               |  |  |
| 19      | 20 | m grey Sgw coarse Sgw                    | Sgw            |                |  |  |             |                       |                             |               |  |  |
| REMARKS |    |                                          |                |                |  |  |             |                       |                             |               |  |  |



|                |         |            |
|----------------|---------|------------|
| PROSPECT       | WKA STH | E-4415A    |
| CO-ORDS        | 8800N   | 9812 S     |
| COLLAR R.L.    |         | DEPTH 20   |
| COLLAR AZIM.   | 090     | INCL. 60   |
| DATE COMMENCED | 3/10/89 | COMPLETED  |
| LOGGED BY      | PLT     | SAMPLED BY |

| DEPTH             |    | DESCRIPTION                                       | LITHOLOGY CODE | Mineralisation |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix<br>423 | ASSAY RESULTS |     |  |
|-------------------|----|---------------------------------------------------|----------------|----------------|--|--|-------------|-----------------------|--------------------------------|---------------|-----|--|
| From              | To |                                                   |                |                |  |  |             |                       |                                |               |     |  |
| 0                 | 1  | blw - brown red sand sqw of Fe                    | CW             |                |  |  |             | 5                     | 249                            |               | 012 |  |
| 1                 | 2  | CW - 1 cl. red sand sqw of Fe / sqw <sup>9m</sup> | CW/sqw         |                |  |  |             |                       |                                |               |     |  |
| 2                 | 3  | m gray ss / ark phyl                              | SS1            |                |  |  |             |                       |                                |               | 012 |  |
| 3                 | 4  | brn / gray lgt fg sqw                             | Sqw            |                |  |  |             |                       | 250                            |               |     |  |
| 4                 | 5  | m or brown sqw                                    | Sqw            |                |  |  |             |                       |                                |               |     |  |
| 5                 | 6  | a/a ke units                                      | Sqw            |                |  |  |             |                       |                                |               |     |  |
| 6                 | 7  | a/a                                               | Sqw            |                |  |  |             |                       |                                |               | 012 |  |
| 7                 | 8  | m brown sand phyl 55/20%                          | Snd/ss1        |                |  |  |             |                       | 251                            |               |     |  |
| 8                 | 9  | m gray sqw                                        | Sqw            |                |  |  |             |                       |                                |               |     |  |
| 9                 | 10 | m brown sqw                                       | Sqw            |                |  |  |             |                       |                                |               |     |  |
| 10                | 11 | m brown ss / phyl 70% sqw 30%                     | SS1/sqw        |                |  |  |             |                       |                                |               | 012 |  |
| 11                | 12 | m brown sand phyl 60% ss1 40%                     | Snd/ss1        |                |  |  |             |                       | 252                            |               |     |  |
| 12                | 13 | m brown sqw                                       | Sqw            |                |  |  |             |                       |                                |               |     |  |
| 13                | 14 | m brown sqw w/se                                  | Sqw            |                |  |  |             |                       |                                |               |     |  |
| 14                | 15 | m brown sand phyl 70% sqw 40%                     | Snd/sqw        |                |  |  |             |                       |                                |               | 012 |  |
| 15                | 16 | m brown sand phyl 70% sqw 30%                     | Snd/sqw        |                |  |  |             |                       | 253                            |               |     |  |
| 16                | 17 | m brown sand phyl 80% sqw 20%                     | Snd/sqw        |                |  |  |             |                       |                                |               |     |  |
| 17                | 18 | m gray sand phyl                                  | Snd            |                |  |  |             |                       |                                |               |     |  |
| 18                | 19 | m gray sand phyl 40% sqw 60%                      | Sqw/snd        |                |  |  |             |                       | 254                            |               | 036 |  |
| 19                | 20 | m gray sqw                                        | Sqw            |                |  |  |             |                       |                                |               |     |  |
| REMARKS<br>E.D.F. |    |                                                   |                |                |  |  |             |                       |                                |               |     |  |

**DRILL HOLE No.** WR81798



|                |          |            |         |
|----------------|----------|------------|---------|
| PROSPECT       | W WLA    | STH        | EL4415A |
| CO-ORDS        | 8800N    | 9800E      |         |
| COLLAR R.L.    |          | DEPTH      | 20      |
| COLLAR AZIM.   | 090      | INCL.      | 60      |
| DATE COMMENCED | 31/10/89 | COMPLETED  |         |
| LOGGED BY      | PLT      | SAMPLED BY |         |

| DEPTH   |    | DESCRIPTION                                       | LITHOLOGY CODE | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 4 23 | ASSAY RESULTS |  |
|---------|----|---------------------------------------------------|----------------|----------------|-------------|-----------------------|------------------------------|---------------|--|
| From    | To |                                                   |                |                |             |                       |                              |               |  |
| 0       | 1  | crw. oxidized ind sand sqw                        | crw            |                |             |                       | 255                          | .012          |  |
| 1       | 2  | ch - 1cl ind sqw Qtz Fe.                          | crw            |                |             | 20                    |                              |               |  |
| 2       | 3  | yellow sqw. mm crw clay                           | Sqw            |                |             |                       |                              | .012          |  |
| 3       | 4  | yellow brwn sqw lustr                             | Sqw            |                |             |                       | 256                          |               |  |
| 4       | 5  | gr brwn sqw coarse                                | Sqw            |                |             |                       |                              |               |  |
| 5       | 6  | pink/or brwn sqw coarse                           | Sqw            |                |             |                       |                              |               |  |
| 6       | 7  | a/a                                               | Sqw            |                |             |                       |                              | .012          |  |
| 7       | 8  | st m brwn sqw coarse                              | Sqw            |                |             |                       | 257                          |               |  |
| 8       | 9  | Sqw m brwn 70% sand phyll 30% <sup>he units</sup> | Sqw/snd        |                |             |                       |                              |               |  |
| 9       | 10 | brwn sand phyll 70% sqw 30% <sup>he units</sup>   | Snd/Sqw        |                |             |                       |                              |               |  |
| 10      | 11 | m brwn sqw he units                               | Sqw            |                |             |                       | 258                          | .012          |  |
| 11      | 12 | m brwn sqw Qtz Fe + sul                           | Sqw/Qtz        |                |             | 20                    | 259                          | .012          |  |
| 12      | 13 | m brwn SSI matrix                                 | SSI            |                |             | 5                     | 260                          | .012          |  |
| 13      | 14 | purp/brwn SSI                                     | SSI            |                |             |                       | 261                          | .012          |  |
| 14      | 15 | m brwn sqw coarse Qtz clear                       | Sqw/Q          |                |             | 25                    | 262                          | .012          |  |
| 15      | 16 | m brwn sqw coarse <sup>hi &amp;</sup> he units    | Sqw            |                |             |                       |                              | .012          |  |
| 16      | 17 | m brwn sqw                                        | Sqw            |                |             |                       | 263                          |               |  |
| 17      | 18 | m brwn sqw <sup>mm &amp;</sup> purp SSI mbr Snd   | Sqw            |                |             | 2                     |                              |               |  |
| 18      | 19 | m brwn/gln SSI                                    | SSI            |                |             |                       |                              |               |  |
| 19      | 20 | m gry sqw                                         | Sqw            |                |             |                       | 264                          | .012          |  |
| REMARKS |    |                                                   |                |                |             |                       |                              |               |  |
| E04     |    |                                                   |                |                |             |                       |                              |               |  |



|                |          |            |
|----------------|----------|------------|
| PROSPECT       | WNGA STA | EL4415A    |
| CO-ORDS        | 8800N    | 97875E     |
| COLLAR R.L.    |          | DEPTH 20   |
| COLLAR AZIM.   | 090      | INCL. 60   |
| DATE COMMENCED | 31/10/89 | COMPLETED  |
| LOGGED BY      | PLF      | SAMPLED BY |

| DEPTH       |    | DESCRIPTION                             | LITHOLOGY CODE | Mineralisation |  |  | GRAPHIC LOG | Quartz %  | Sample Number | ASSAY RESULTS |     |  |
|-------------|----|-----------------------------------------|----------------|----------------|--|--|-------------|-----------|---------------|---------------|-----|--|
| From        | To |                                         |                |                |  |  |             | 1mm = 20% |               | Prefix 423    |     |  |
| 0           | 1  | chw - rnd sand sqw red/pw               | chw            |                |  |  |             |           | 265           | 012           |     |  |
| 1           | 2  | chw - rnd red sand sqw                  | chw            |                |  |  |             |           |               |               |     |  |
| 2           | 3  | yellow/bwn sqw heunfts                  | Sqw            |                |  |  |             |           |               | 012           |     |  |
| 3           | 4  | ylw/bwn sqw he str                      | Sqw            |                |  |  |             |           | 266           |               |     |  |
| 4           | 5  | m bwn sqw                               | Sqw            |                |  |  |             |           |               |               |     |  |
| 5           | 6  | a/a cise                                | Sqw            |                |  |  |             |           |               |               |     |  |
| 6           | 7  | m bwn sqw cise                          | Sqw            |                |  |  |             |           | 267           | 012           | 012 |  |
| 7           | 8  | m bwn sqw                               | Sqw            |                |  |  |             |           |               |               |     |  |
| 8           | 9  | m bwn + gry sqw cise                    | Sqw            |                |  |  |             |           |               |               |     |  |
| 9           | 10 | m gry sqw cise                          | Sqw            |                |  |  |             |           |               |               |     |  |
| 10          | 11 | m bwn sqw                               | Sqw            |                |  |  |             |           |               | 012           |     |  |
| 11          | 12 | m bwn-gry sqw                           | Sqw            |                |  |  |             |           | 268           |               |     |  |
| 12          | 13 | m bwn/red sqw cise                      | Sqw            |                |  |  |             |           |               |               |     |  |
| 13          | 14 | m bwn/red ss/ phyllite                  | ss/            |                |  |  |             |           |               |               |     |  |
| 14          | 15 | m bwn sqw <sup>cise</sup> Qtz c li      | Sqw/a          |                |  |  |             |           | 269           | 012           |     |  |
| 15          | 16 | m bwn ssd 80% 20% sqw                   | ss/ sqw        |                |  |  |             |           |               |               |     |  |
| 16          | 17 | m bwn sqw                               | Sqw            |                |  |  |             |           | 270           | 012           |     |  |
| 17          | 18 | m bwn/purp smd <sup>mnr sqw</sup> phyll | smd            |                |  |  |             |           |               |               |     |  |
| 18          | 19 | m bwn smd phyll                         | smd            |                |  |  |             |           |               |               |     |  |
| 19          | 20 | m bwn smd 50% purp ss/ 50% smd/ss/      | ss/ smd/ss/    |                |  |  |             |           | 271           | 012           |     |  |
| REMARKS EOH |    |                                         |                |                |  |  |             |           |               |               |     |  |

|                |          |            |
|----------------|----------|------------|
| PROSPECT       | WVAA STH | EL 4415A   |
| CO-ORDS        | 8800N    | 9775E      |
| COLLAR R.L.    |          | DEPTH 20   |
| COLLAR AZIM.   | 090      | INCL 60    |
| DATE COMMENCED | 3/10/89  | COMPLETED  |
| LOGGED BY      | PLT      | SAMPLED BY |

| DEPTH          |    | DESCRIPTION                      | LITHOLOGY<br>CODE | Mineralisation | GRAPHIC<br>LOG | Quartz<br>%<br>1mm =<br>20% | Sample<br>Number<br>Prefix<br>+ 23 | ASSAY RESULTS |     |
|----------------|----|----------------------------------|-------------------|----------------|----------------|-----------------------------|------------------------------------|---------------|-----|
| From           | To |                                  |                   |                |                |                             |                                    |               |     |
| 0              | 1  | ch-red sand sqw ag Fe            | ch                |                |                | 5                           | 272                                | .012          |     |
| 1              | 2  | ch-red <sup>10r</sup> m/sqw clay | ch                |                |                |                             |                                    |               |     |
| 2              | 3  | m bun sqw ag Fe                  | Sqw/Q             |                |                | 10                          | 273                                | .012          | .01 |
| 3              | 4  | m bun sqw mnr Q                  | Sqw               |                |                | 1                           |                                    |               |     |
| 4              | 5  | m or bun sqw                     | Sqw               |                |                |                             | 274                                | .012          |     |
| 5              | 6  | a/a he str. mnr Q                | Sqw               |                |                | 1                           |                                    |               |     |
| 6              | 7  | m bun sqw 20% or bun             | Sqw/snd           |                |                |                             |                                    |               |     |
| 7              | 8  | m bun sand phyll mnr Sqw         | Snd               |                |                |                             |                                    | .012          |     |
| 8              | 9  | m bun Snd phyll                  | Snd               |                |                |                             | 275                                |               |     |
| 9              | 10 | m bun Sqw mnr SSl                | Sqw               |                |                |                             |                                    |               |     |
| 10             | 11 | m bun sqw w/ sand                | Sqw/snd           |                |                |                             |                                    |               |     |
| 11             | 12 | m bun Sqw he str                 | Sqw               |                |                |                             | 276                                | .029          |     |
| 12             | 13 | m bun sqw ag Ssq mnr             | Sqw/Q             |                |                | 20                          | 277                                | .012          |     |
| 13             | 14 | m bun SSl <sup>prnd</sup> mnr Q  | SSl               |                |                | 1                           | 278                                | .02           |     |
| 14             | 15 | m bun/green - red SSl phyll      | SSl               |                |                |                             |                                    |               |     |
| 15             | 16 | m bun sqw ag clear               | Sqw/Q             |                |                | 30                          | 279                                | .012          |     |
| 16             | 17 | m bun sqw                        | Sqw               |                |                |                             |                                    |               |     |
| 17             | 18 | a/a                              | Sqw               |                |                |                             | 280                                | .012          |     |
| 18             | 19 | m bun sqw                        | Sqw               |                |                |                             |                                    |               |     |
| 19             | 20 | m bun sqw he str                 | Sqw               |                |                |                             |                                    |               |     |
| REMARKS<br>con |    |                                  |                   |                |                |                             |                                    |               |     |

# Percussion Drill Hole Log

|                |          |            |          |
|----------------|----------|------------|----------|
| PROSPECT       | WWHA     | STH        | EL4415A  |
| CO-ORDS        | 8800N    |            | 9762.5E  |
| COLLAR R.L.    |          |            | DEPTH 20 |
| COLLAR AZIM.   | 090      |            | INCL. 60 |
| DATE COMMENCED | 31/10/89 | COMPLETED  |          |
| LOGGED BY      | PLT      | SAMPLED BY |          |

| DEPTH          |    | DESCRIPTION                                | LITHOLOGY<br>CODE | Mineralisation |  |  | GRAPHIC<br>LOG | Quartz<br>%<br>1mm =<br>20% | Sample<br>Number<br>Prefix<br>423 | ASSAY RESULTS |      |      |
|----------------|----|--------------------------------------------|-------------------|----------------|--|--|----------------|-----------------------------|-----------------------------------|---------------|------|------|
| From           | To |                                            |                   |                |  |  |                |                             |                                   |               |      |      |
| 0              | 1  | Ch-red or rmd sand sqw Qtz/c du            |                   |                |  |  |                | 2                           | 281                               |               | .012 |      |
| 1              | 2  | Ch-red sand sqw rmd                        | CW                |                |  |  |                |                             |                                   |               |      |      |
| 2              | 3  | li-light brn ss/lean ls <sup>mm ch</sup>   | SS/               |                |  |  |                |                             | 282                               |               | .012 |      |
| 3              | 4  | mdgt brn ss/ <sup>Qtz 50%</sup> broken     | SS/Q              |                |  |  |                |                             | 283                               |               | .024 | .012 |
| 4              | 5  | myell brn ss/ <sup>5mm</sup> lean ls       | SS/brd            |                |  |  |                |                             |                                   |               | .012 |      |
| 5              | 6  | myell brn Sand 2 str Sand                  |                   |                |  |  |                |                             | 284                               |               |      |      |
| 6              | 7  | <sup>mica rich</sup> dk brn sqw 10% Sand   | Sq/brd            |                |  |  |                |                             |                                   |               |      |      |
| 7              | 8  | m brn Sand 10% sqw                         | Snd/sqw           |                |  |  |                |                             |                                   |               |      |      |
| 8              | 9  | m brn Sand blk phyll                       | Snd               |                |  |  |                |                             |                                   |               | .012 |      |
| 9              | 10 | li- lt brn Sand blk phyll                  | Snd               |                |  |  |                |                             | 285                               |               |      |      |
| 10             | 11 | m brn Sand phyll mm Q                      | Snd               |                |  |  |                |                             | 2                                 |               |      |      |
| 11             | 12 | m brn Sand phyll                           | Snd               |                |  |  |                |                             |                                   |               |      |      |
| 12             | 13 | m brn Sand phyll 20% sqw                   | Snd/sqw           |                |  |  |                |                             |                                   |               |      |      |
| 13             | 14 | m brn Sand 30% phyll, Sqw 20%              | Sqw/Snd           |                |  |  |                |                             | 286                               |               | .012 |      |
| 14             | 15 | m pinky brn Sqw coarse                     | Sqw               |                |  |  |                |                             |                                   |               |      |      |
| 15             | 16 | m brn Sqw                                  | Sqw               |                |  |  |                |                             |                                   |               |      |      |
| 16             | 17 | <sup>brn</sup> purp Sand phyll 60% Sqw brn | Snd/sqw           |                |  |  |                |                             |                                   |               |      |      |
| 17             | 18 | m brn - red Sand phyll                     | Snd               |                |  |  |                |                             | 287                               |               | .012 |      |
| 18             | 19 | m brn ss/ phyll                            | SS/               |                |  |  |                |                             |                                   |               |      |      |
| 19             | 20 | m brn Sqw                                  | Sqw               |                |  |  |                |                             |                                   |               |      |      |
| REMARKS<br>EOH |    |                                            |                   |                |  |  |                |                             |                                   |               |      |      |

|                |                            |
|----------------|----------------------------|
| PROSPECT       | WNGA J14 EL4415A           |
| CO-ORDS        | 8800N 9750E                |
| COLLAR R.L.    | DEPTH 20                   |
| COLLAR AZIM.   | <del>29</del> 090 INCL. 60 |
| DATE COMMENCED | 31/10/89 COMPLETED         |
| LOGGED BY      | RCT SAMPLED BY             |

| DEPTH   |    | DESCRIPTION                          | LITHOLOGY CODE | Mineralisation | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 4.23 | ASSAY RESULTS |  |
|---------|----|--------------------------------------|----------------|----------------|-------------|-----------------------|------------------------------|---------------|--|
| From    | To |                                      |                |                |             |                       |                              |               |  |
| 0       | 1  | ch-ind sand sqw & E Fe               | Ch             |                |             | 20                    | 288                          | .02           |  |
| 1       | 2  | ch-ored sqw sand mnd                 | Ch             |                |             |                       |                              |               |  |
| 2       | 3  | m brn sqw he unls                    | Sqw            |                |             |                       | 289                          | .012          |  |
| 3       | 4  | m brn sqw                            | Sqw            |                |             |                       |                              |               |  |
| 4       | 5  | m-lgt brn sqw 30% sand ss            | Snd/SS         |                |             | 20                    | 290                          | .012          |  |
| 5       | 6  | m brn sqw mnd                        | Sqw            |                |             |                       |                              |               |  |
| 6       | 7  | m brn ss he sh                       | SS             |                |             |                       | 291                          | .02           |  |
| 7       | 8  | m brn sqw 20% sand phyl              | Sqw/snd        |                |             |                       |                              |               |  |
| 8       | 9  | m brn sand phyl he unls              | Snd            |                |             |                       |                              |               |  |
| 9       | 10 | m brn ss he sta <sup>mnd</sup> ss    | SS             |                |             | 1                     |                              | .02           |  |
| 10      | 11 | m brn fg sqw <sup>phyl</sup> he unls | Sqw            |                |             |                       | 292                          |               |  |
| 11      | 12 | m brn fg sqw phyl 10% sand sqw/snd   | Sqw/snd        |                |             |                       |                              |               |  |
| 12      | 13 | m brn sand he unls                   | Snd            |                |             |                       |                              |               |  |
| 13      | 14 | m purpl Snd phyl                     | Snd            |                |             |                       |                              | .012          |  |
| 14      | 15 | m purpl/brn Snd phyl                 | Snd            |                |             |                       | 293                          |               |  |
| 15      | 16 | m brn-purp sand phyl                 | Snd            |                |             |                       |                              |               |  |
| 16      | 17 | a/a                                  | Snd            |                |             |                       |                              |               |  |
| 17      | 18 | m brn Snd nm sqw                     | Snd            |                |             |                       |                              | .012          |  |
| 18      | 19 | m brn/purp sqw                       | Sqw            |                |             |                       | 294                          |               |  |
| 19      | 20 | m brn Snd                            | Snd            |                |             |                       |                              |               |  |
| REMARKS |    |                                      |                |                |             |                       |                              |               |  |
| EON     |    |                                      |                |                |             |                       |                              |               |  |

DRILL HOLE No. WB 81803



|                |          |            |
|----------------|----------|------------|
| PROSPECT       | WUWA ST4 | 224415A    |
| CO-ORDS        | 8800N    | 9737.5E    |
| COLLAR R.L.    |          | DEPTH 20   |
| COLLAR AZIM.   | 090      | INCL. 60   |
| DATE COMMENCED | 31/10/79 | COMPLETED  |
| LOGGED BY      | PLT      | SAMPLED BY |

| DEPTH            |    | DESCRIPTION                                 | LITHOLOGY CODE | Mineralisation |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 423 | ASSAY RESULTS |  |      |
|------------------|----|---------------------------------------------|----------------|----------------|--|--|-------------|-----------------------|-----------------------------|---------------|--|------|
| From             | To |                                             |                |                |  |  |             |                       |                             |               |  |      |
| 0                | 1  | ch - med red brn Snd sgw Qz Fe <sup>+</sup> | Ch             |                |  |  |             | 10                    | 295                         | .012          |  | .012 |
| 1                | 2  | ch - rnd red brn Snd sgw                    | Ch             |                |  |  |             |                       |                             |               |  |      |
| 2                | 3  | m brn-red sgw / ch                          | ch/sgw         |                |  |  |             |                       |                             |               |  |      |
| 3                | 4  | m brn sgw Qz clear / Q                      | Sgw            |                |  |  |             | 10                    | 296                         | .012          |  |      |
| 4                | 5  | lgt brn Snd Lestn Qz                        | Snd            |                |  |  |             | 5                     | 297                         | .012          |  |      |
| 5                | 6  | lgt brn sgw Lestn                           | Sgw            |                |  |  |             |                       |                             | .012          |  |      |
| 6                | 7  | a/c                                         | Sgw            |                |  |  |             |                       | 298                         |               |  |      |
| 7                | 8  | m brn sgw Qz clear                          | Sgw            |                |  |  |             | 2                     |                             |               |  |      |
| 8                | 9  | m brn sgw Qz clear                          | Sgw            |                |  |  |             | 5                     | 299                         | .012          |  |      |
| 9                | 10 | Sili sgw Qz Fe <sup>+</sup>                 | Sgw            |                |  |  |             | 5                     | 300                         | .012          |  |      |
| 10               | 11 | Sili Snd m w Q                              | Snd            |                |  |  |             |                       |                             |               |  |      |
| 11               | 12 | m p r b <sup>phyl</sup> Snd / chl sgw       | Snd/sgw        |                |  |  |             |                       | 301                         | .012          |  |      |
| 12               | 13 | m brn + purpl Snd phyl                      | Snd            |                |  |  |             |                       |                             |               |  |      |
| 13               | 14 | m brn Snd <sup>ke vnlts</sup> phyl sgw 20%  | Snd/sgw        |                |  |  |             |                       |                             |               |  |      |
| 14               | 15 | m brn Snd phyl <sup>20% ss</sup>            | Snd            |                |  |  |             |                       |                             | .012          |  |      |
| 15               | 16 | m brn Snd phyl ke vnlts                     | Snd/ss         |                |  |  |             |                       | 302                         |               |  |      |
| 16               | 17 | light brn faintly Sili Snd                  | Snd            |                |  |  |             |                       |                             |               |  |      |
| 17               | 18 | m brn Snd phyl ke vnlts                     | Snd            |                |  |  |             |                       |                             |               |  |      |
| 18               | 19 | a/c                                         | Snd            |                |  |  |             |                       | 303                         | .02           |  |      |
| 19               | 20 | m brn ss / phyl                             | ss /           |                |  |  |             |                       |                             |               |  |      |
| REMARKS<br>Qz 11 |    |                                             |                |                |  |  |             |                       |                             |               |  |      |

|                  |                  |
|------------------|------------------|
| PROSPECT         | WWHA ST4 EL4415A |
| CO-ORDS          | 88°00' 9725E     |
| COLLAR R.L.      | DEPTH 20         |
| COLLAR AZIM. 090 | INCL. 60         |
| DATE COMMENCED   | 31/10/89         |
| LOGGED BY        | PLT              |
| COMPLETED        |                  |
| SAMPLED BY       |                  |

| DEPTH   |    | DESCRIPTION                                                     | LITHOLOGY<br>CODE | Mineralisation |  |  | GRAPHIC<br>LOG | Quartz<br>%<br>1mm =<br>20% | Sample<br>Number<br>Prefix<br>423 | ASSAY RESULTS |  |  |
|---------|----|-----------------------------------------------------------------|-------------------|----------------|--|--|----------------|-----------------------------|-----------------------------------|---------------|--|--|
| From    | To |                                                                 |                   |                |  |  |                |                             |                                   |               |  |  |
| 0       | 1  | ch-red rdsnd $\frac{63}{100}$ Fe $\frac{5}{100}$                | CW                |                |  |  |                |                             | 304                               |               |  |  |
| 1       | 2  | ch-red clay-sand <sup>mm</sup> rdsnd                            | CW                |                |  |  |                |                             | 1                                 |               |  |  |
| 2       | 3  | <del>ch</del> -red wth dol $\rightarrow$ clay                   | ch                |                |  |  |                |                             |                                   |               |  |  |
| 3       | 4  | a/a                                                             | dol               |                |  |  |                |                             |                                   |               |  |  |
| 4       | 5  | red wth dol $\rightarrow$ clay                                  | dol               |                |  |  |                |                             |                                   |               |  |  |
| 5       | 6  | red wth dol clay                                                | dol               |                |  |  |                |                             |                                   |               |  |  |
| 6       | 7  | wth dol $\rightarrow$ clay red $\rightarrow$ <sup>1st</sup> dol | dol               |                |  |  |                |                             |                                   |               |  |  |
| 7       | 8  | wth dol / zgl brn-blk                                           | dol               |                |  |  |                |                             |                                   |               |  |  |
| 8       | 9  | a/a                                                             | dol               |                |  |  |                |                             |                                   |               |  |  |
| 9       | 10 | a/a                                                             | dol               |                |  |  |                |                             |                                   |               |  |  |
| 10      | 11 | dol wth brn-blk                                                 | dol               |                |  |  |                |                             |                                   |               |  |  |
| 11      | 12 | a/a                                                             | dol               |                |  |  |                |                             |                                   |               |  |  |
| 12      | 13 | a/a                                                             | dol               |                |  |  |                |                             |                                   |               |  |  |
| 13      | 14 | dol wth brn-grn-blk                                             | dol               |                |  |  |                |                             |                                   |               |  |  |
| 14      | 15 | a/a                                                             | dol               |                |  |  |                |                             |                                   |               |  |  |
| 15      | 16 | dol wth dk brn-blk                                              | vd.               |                |  |  |                |                             |                                   |               |  |  |
| 16      | 17 | dol brn-grn-blk                                                 | vd.               |                |  |  |                |                             |                                   |               |  |  |
| 17      | 18 | dol green-brn                                                   | vd.               |                |  |  |                |                             |                                   |               |  |  |
| 18      | 19 | a/a                                                             | vd.               |                |  |  |                |                             |                                   |               |  |  |
| 19      | 20 | a/a                                                             | vd.               |                |  |  |                |                             |                                   |               |  |  |
| REMARKS |    | COH                                                             |                   |                |  |  |                |                             |                                   |               |  |  |

DRILL HOLE No. WRS005



|                |           |            |
|----------------|-----------|------------|
| PROSPECT       | Wwga 3711 | E 6445 A   |
| CO-ORDS        | 8800N     | 9712.5E    |
| COLLAR R.L.    |           | DEPTH 16   |
| COLLAR AZIM.   | 090       | INCL. 60   |
| DATE COMMENCED | 3/10/89   | COMPLETED  |
| LOGGED BY      | PG        | SAMPLED BY |

| DEPTH   |    | DESCRIPTION                  | LITHOLOGY CODE | Mineralisation |  |  |  | GRAPHIC LOG | Quartz %<br>1mm = 20% | Sample Number<br>Prefix 4-23 | ASSAY RESULTS |     |     |
|---------|----|------------------------------|----------------|----------------|--|--|--|-------------|-----------------------|------------------------------|---------------|-----|-----|
| From    | To |                              |                |                |  |  |  |             |                       |                              |               |     |     |
| 0       | 1  | ch-ind red sand sqw @ Fe     | ch             |                |  |  |  |             | 2                     |                              | 012           |     | -01 |
| 1       | 2  | ch-ind red sand sqw @ Fe     | ch             |                |  |  |  |             |                       | 310                          |               |     |     |
| 2       | 3  | ch-ind red with dol → clay   | ch             |                |  |  |  |             |                       |                              |               |     |     |
| 3       | 4  | a/a                          | ch             |                |  |  |  |             |                       |                              |               |     |     |
| 4       | 5  | ch-ind red with dol clay red | ch/dol         |                |  |  |  |             |                       |                              | 012           |     |     |
| 5       | 6  | with red dol → clay          | vd             |                |  |  |  |             |                       | 311                          |               |     |     |
| 6       | 7  | a/a                          | vd             |                |  |  |  |             |                       |                              |               |     |     |
| 7       | 8  | a/a                          | vd             |                |  |  |  |             |                       |                              |               |     |     |
| 8       | 9  | with dol → red clay          | vd             |                |  |  |  |             |                       |                              | 012           |     |     |
| 9       | 10 | a/a                          | vd             |                |  |  |  |             |                       | 312                          |               |     |     |
| 10      | 11 | a/a                          | vd             |                |  |  |  |             |                       |                              |               |     |     |
| 11      | 12 | a/a                          | vd             |                |  |  |  |             |                       |                              |               |     |     |
| 12      | 13 | a/a                          | vd             |                |  |  |  |             |                       |                              | 012           | 012 |     |
| 13      | 14 | a/a                          | vd             |                |  |  |  |             |                       | 313                          |               |     |     |
| 14      | 15 | a/a                          | vd             |                |  |  |  |             |                       |                              |               |     |     |
| 15      | 16 | dol with to red clay         | vd             |                |  |  |  |             |                       |                              |               |     |     |
| 16      | 17 | #/ 104                       |                |                |  |  |  |             |                       |                              |               |     |     |
| 17      | 18 | No sample return due to      |                |                |  |  |  |             |                       |                              |               |     |     |
| 18      | 19 | clayey nature of sample.     |                |                |  |  |  |             |                       |                              |               |     |     |
| 19      | 20 |                              |                |                |  |  |  |             |                       |                              |               |     |     |
| REMARKS |    |                              |                |                |  |  |  |             |                       |                              |               |     |     |

|                |         |            |
|----------------|---------|------------|
| PROSPECT       | UNWA SH | EC4415A    |
| CO-ORDS        | 82001   | 9700E      |
| COLLAR R.L.    |         | DEPTH 61   |
| COLLAR AZIM.   | 090     | INCL. 60   |
| DATE COMMENCED | 3/10/81 | COMPLETED  |
| LOGGED BY      | PLT     | SAMPLED BY |

| DEPTH |    | DESCRIPTION                        | LITHOLOGY CODE | Mineralisation |  |  | GRAPHIC LOG | Quartz %<br>Imm = 20% | Sample Number<br>Prefix 423 | ASSAY RESULTS |  |  |
|-------|----|------------------------------------|----------------|----------------|--|--|-------------|-----------------------|-----------------------------|---------------|--|--|
| From  | To |                                    |                |                |  |  |             |                       |                             |               |  |  |
| 0     | 1  | ch - red sand / pink red sand phyl | SSl            |                |  |  |             | 3.14                  | 02                          |               |  |  |
| 1     | 2  | whs sand pink red phyl             | SSl            |                |  |  |             | 3.15                  | 02                          |               |  |  |
| 2     | 3  | light brown sand phyl              | SSl            |                |  |  |             | 3.16                  | 02                          |               |  |  |
| 3     | 4  | lgt brown SSl he. str              | SSl            |                |  |  |             | 3.17                  | 02                          |               |  |  |
| 4     | 5  | lgt brown sand he. str             | SSl            |                |  |  |             | 3.18                  | 02                          |               |  |  |
| 5     | 6  | a/a + he. str                      | SSl            |                |  |  |             | 3.19                  | 02                          |               |  |  |
| 6     | 7  | lgt brown SSl he. str              | SSl            |                |  |  |             | 3.20                  | 02                          |               |  |  |
| 7     | 8  | lgt brown sand mmr SSl             | SSl            |                |  |  |             | 3.21                  | 02                          |               |  |  |
| 8     | 9  | lgt brown sand + clay              | SSl            |                |  |  |             | 3.22                  | 02                          |               |  |  |
| 9     | 10 | slightly silic lgt brown sand      | SSl            |                |  |  |             | 3.23                  | 02                          |               |  |  |
| 10    | 11 | a/a + clay                         | SSl            |                |  |  |             | 3.24                  | 02                          |               |  |  |
| 11    | 12 | a/a                                | SSl            |                |  |  |             | 3.25                  | 02                          |               |  |  |
| 12    | 13 | a/a                                | SSl            |                |  |  |             | 3.26                  | 02                          |               |  |  |
| 13    | 14 | a/a                                | SSl            |                |  |  |             | 3.27                  | 02                          |               |  |  |
| 14    | 15 | light brown SSl + clay             | SSl            |                |  |  |             | 3.28                  | 02                          |               |  |  |
| 15    | 16 | gray/brown SSl + clay              | SSl            |                |  |  |             | 3.29                  | 02                          |               |  |  |
| 16    | 17 | brown sand + clay mmr SSl          | SSl            |                |  |  |             | 3.30                  | 02                          |               |  |  |
| 17    | 18 | clay brown black; 75% green/black  | SSl            |                |  |  |             | 3.31                  | 02                          |               |  |  |
| 18    | 19 | dark green/black                   | SSl            |                |  |  |             | 3.32                  | 02                          |               |  |  |
| 19    | 20 | 20H to hard                        | SSl            |                |  |  |             | 3.33                  | 02                          |               |  |  |



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## **APPENDIX 2**

### **MAGNETIC SPRINGS**

#### **UNCORRECTED MAGNETICS DATA**

```

-----
SCINTREX V2.1      Magnetometer R1.8
Base Field:        *=Uncorrected Data      Ser No:907330.
Line: 10000.N  Grid: 10000.  Job:          1.  Date: 91/10/01
Operator:          1.
-----

```

```

-----
Station Mag Fld  Change    Time          Information
4999.0E 47142.6*          16:30:26
5000.E 47160.3*    17.7 12:46:55
-----

```

```

-----
SCINTREX V2.1      Magnetometer R1.8
Base Field:        *=Uncorrected Data      Ser No:907330.
Line: 10000.N  Grid: 10000.  Job:          1.  Date: 91/10/03
Operator:          1.
-----

```

```

-----
Station Mag Fld  Change    Time          Information
4986.5E 59057.6*          12:44:06
-----

```

```

-----
SCINTREX V2.1      Magnetometer R1.8
Base Field:        *=Uncorrected Data      Ser No:907330.
Line: 10100.N  Grid: 10000.  Job:          1.  Date: 91/10/01
Operator:          1.
-----

```

```

-----
Station Mag Fld  Change    Time          Information
4999.E 47147.3*          14:46:13
5000.E 47160.6*    13.3 13:41:21
5012.5E 47178.6*    18.0 13:42:11
5025.0E 47170.2*    -8.4 13:42:29
5037.5E 47176.1*     5.9 13:42:53
5050.0E 47167.6*    -8.5 13:43:15
5062.5E 47168.4*     0.8 13:43:43
5075.0E 47166.8*    -1.6 13:44:02
5087.5E 47167.9*     1.1 13:44:22
5100.0E 47153.0*   -14.9 13:44:42
5112.5E 47149.2*    -3.8 13:45:07
5125.0E 47154.5*     5.3 13:45:56
5137.5E 47169.2*    14.7 13:46:14
5150.0E 47170.7*     1.5 13:46:39
5162.5E 47175.9*     5.2 13:47:03
5175.0E 47165.6*   -10.3 13:47:26
5187.5E 47169.9*     4.3 13:47:55
5200.0E 47155.3*   -14.6 13:48:17
5212.5E 47162.8*     7.5 13:48:38
5225.0E 47155.4*    -7.4 13:48:58
5237.5E 47159.4*     4.0 13:49:16
5250.0E 47166.9*     7.5 13:49:49
5262.5E 47163.8*    -3.1 13:50:09
5275.0E 47161.3*    -2.5 13:50:28
5287.5E 47164.8*     3.5 13:50:52
5300.0E 47148.2*   -16.6 13:51:25
5312.5E 47160.2*    12.0 13:51:57
5325.0E 47160.5*     0.3 13:52:18
5337.5E 47149.3*   -11.2 13:52:37
5350.0E 47149.5*     0.2 13:52:55
5362.5E 47151.9*     2.4 13:53:43
-----

```

|         |          |       |          |
|---------|----------|-------|----------|
| 5375.0E | 47148.8* | -3.1  | 13:54:06 |
| 5387.5E | 47149.3* | 0.5   | 13:54:31 |
| 5400.0E | 47158.9* | 9.6   | 13:55:23 |
| 5412.5E | 47165.0* | 6.1   | 13:55:41 |
| 5425.0E | 47158.1* | -6.9  | 13:55:59 |
| 5437.5E | 47159.7* | 1.6   | 13:56:17 |
| 5450.0E | 47142.5* | -17.2 | 13:56:37 |
| 5462.5E | 47159.8* | 17.3  | 13:57:00 |
| 5475.0E | 47152.6* | -7.2  | 13:57:19 |
| 5487.5E | 47146.4* | -6.2  | 13:58:05 |
| 5500.0E | 47168.0* | 21.6  | 13:58:47 |
| 5512.5E | 47151.5* | -16.5 | 13:59:20 |
| 5525.0E | 47165.1* | 13.6  | 13:59:40 |
| 5537.5E | 47171.5* | 6.4   | 14:00:00 |
| 5550.0E | 47167.1* | -4.4  | 14:00:20 |
| 5562.5E | 47169.5* | 2.4   | 14:00:37 |
| 5575.0E | 47142.5* | -27.0 | 14:01:06 |
| 5587.5E | 47148.2* | 5.7   | 14:01:24 |
| 5600.0E | 47152.0* | 3.8   | 14:01:43 |
| 5612.5E | 47146.6* | -5.4  | 14:02:04 |
| 5625.0E | 47157.5* | 10.9  | 14:02:36 |
| 5637.5E | 47165.2* | 7.7   | 14:02:59 |
| 5650.0E | 47148.4* | -16.8 | 14:03:19 |
| 5662.5E | 47168.5* | 20.1  | 14:03:52 |
| 5675.0E | 47149.5* | -19.0 | 14:04:12 |
| 5687.5E | 47164.7* | 15.2  | 14:04:36 |
| 5700.0E | 47158.6* | -6.1  | 14:04:59 |
| 5712.5E | 47161.9* | 3.3   | 14:05:29 |
| 5725.0E | 47167.9* | 6.0   | 14:05:52 |
| 5737.5E | 47165.3* | -2.6  | 14:06:11 |
| 5750.0E | 47159.3* | -6.0  | 14:06:31 |
| 5762.5E | 47209.0* | 49.7  | 14:06:51 |
| 5775.0E | 47168.0* | -41.0 | 14:07:11 |
| 5787.5E | 47163.8* | -4.2  | 14:07:29 |
| 5800.0E | 47151.5* | -12.3 | 14:07:48 |
| 5812.5E | 47157.1* | 5.6   | 14:08:06 |
| 5825.0E | 47159.8* | 2.7   | 14:08:24 |
| 5837.5E | 47161.4* | 1.6   | 14:08:44 |
| 5850.0E | 47138.7* | -22.7 | 14:09:15 |
| 5862.5E | 47135.9* | -2.8  | 14:09:40 |
| 5875.0E | 47104.6* | -31.3 | 14:09:58 |
| 5887.5E | 47138.3* | 33.7  | 14:10:23 |
| 5900.0E | 47136.8* | -1.5  | 14:10:54 |
| 5912.5E | 47142.7* | 5.9   | 14:11:15 |
| 5925.0E | 47151.8* | 9.1   | 14:11:36 |
| 5937.5E | 47154.3* | 2.5   | 14:11:55 |
| 5950.0E | 47157.5* | 3.2   | 14:12:33 |
| 5962.5E | 47159.4* | 1.9   | 14:12:53 |
| 5975.0E | 47153.0* | -6.4  | 14:13:14 |
| 5987.5E | 47126.5* | -26.5 | 14:13:57 |
| 6000.0E | 47138.2* | 11.7  | 14:14:26 |

-----  
 SCINTREX V2.1                      Magnetometer R1.8  
 Base Field:                      \*=Uncorrected Data                      Ser No:907330.  
 Line: 10200.N    Grid: 10000.    Job:                      1.    Date: 91/10/01  
 Operator:                      1.  
 -----

| Station | Mag      | Fld | Change | Time     | Information |
|---------|----------|-----|--------|----------|-------------|
| 5000.0E | 47181.8* |     |        | 14:44:41 |             |
| 5012.5E | 47156.2* |     | -25.6  | 14:44:22 |             |
| 5025.0E | 47168.6* |     | 12.4   | 14:44:03 |             |
| 5037.5E | 47164.4* |     | -4.2   | 14:43:36 |             |
| 5050.0E | 47172.7* |     | 8.3    | 14:43:12 |             |
| 5062.5E | 47182.5* |     | 9.8    | 14:42:49 |             |
| 5075.0E | 47144.5* |     | -38.0  | 14:42:30 |             |
| 5087.5E | 47142.1* |     | -2.4   | 14:42:12 |             |
| 5100.0E | 47122.8* |     | -19.3  | 14:41:54 |             |
| 5112.5E | 47142.4* |     | 19.6   | 14:41:31 |             |
| 5125.0E | 47148.4* |     | 6.0    | 14:41:05 |             |
| 5137.5E | 47146.9* |     | -1.5   | 14:40:47 |             |
| 5150.0E | 47149.4* |     | 2.5    | 14:40:29 |             |
| 5162.5E | 47152.5* |     | 3.1    | 14:40:10 |             |
| 5175.0E | 47143.7* |     | -8.8   | 14:39:51 |             |
| 5187.5E | 47140.1* |     | -3.6   | 14:39:26 |             |
| 5200.0E | 47129.5* |     | -10.6  | 14:39:05 |             |
| 5212.5E | 47137.4* |     | 7.9    | 14:38:48 |             |
| 5225.0E | 47147.5* |     | 10.1   | 14:38:30 |             |
| 5237.5E | 47153.5* |     | 6.0    | 14:38:08 |             |
| 5250.0E | 47129.3* |     | -24.2  | 14:37:50 |             |
| 5262.5E | 47125.8* |     | -3.5   | 14:37:33 |             |
| 5275.0E | 47123.4* |     | -2.4   | 14:37:15 |             |
| 5287.5E | 47121.8* |     | -1.6   | 14:36:53 |             |
| 5300.0E | 47112.2* |     | -9.6   | 14:36:30 |             |
| 5312.5E | 47116.0* |     | 3.8    | 14:36:15 |             |
| 5325.0E | 47118.9* |     | 2.9    | 14:35:58 |             |
| 5337.5E | 47113.7* |     | -5.2   | 14:35:40 |             |
| 5350.0E | 47114.3* |     | 0.6    | 14:35:16 |             |
| 5362.5E | 47105.9* |     | -8.4   | 14:34:56 |             |
| 5375.0E | 47112.3* |     | 6.4    | 14:34:33 |             |
| 5387.5E | 47109.5* |     | -2.8   | 14:34:16 |             |
| 5400.0E | 47096.9* |     | -12.6  | 14:33:57 |             |
| 5412.5E | 47105.0* |     | 8.1    | 14:33:40 |             |
| 5425.0E | 47108.5* |     | 3.5    | 14:33:20 |             |
| 5437.5E | 47115.5* |     | 7.0    | 14:33:02 |             |
| 5450.0E | 47126.7* |     | 11.2   | 14:32:43 |             |
| 5462.5E | 47120.4* |     | -6.3   | 14:32:24 |             |
| 5475.0E | 47126.1* |     | 5.7    | 14:32:05 |             |
| 5487.5E | 47129.2* |     | 3.1    | 14:31:48 |             |
| 5500.0E | 47112.4* |     | -16.8  | 14:31:24 |             |
| 5512.5E | 47115.7* |     | 3.3    | 14:31:01 |             |
| 5525.0E | 47121.4* |     | 5.7    | 14:30:38 |             |
| 5537.5E | 47108.4* |     | -13.0  | 14:30:14 |             |
| 5550.0E | 47120.9* |     | 12.5   | 14:29:46 |             |
| 5562.5E | 47131.3* |     | 10.4   | 14:29:25 |             |
| 5575.0E | 47133.8* |     | 2.5    | 14:29:05 |             |
| 5587.5E | 47130.6* |     | -3.2   | 14:28:35 |             |
| 5600.0E | 47098.3* |     | -32.3  | 14:28:13 |             |
| 5612.5E | 47128.0* |     | 29.7   | 14:27:56 |             |
| 5625.0E | 47131.0* |     | 3.0    | 14:27:37 |             |

|         |          |        |          |
|---------|----------|--------|----------|
| 5637.5E | 47127.2* | -3.8   | 14:27:14 |
| 5650.0E | 47234.9* | 107.7  | 14:26:57 |
| 5662.5E | 47126.5* | -108.4 | 14:26:39 |
| 5675.0E | 47140.0* | 13.5   | 14:26:22 |
| 5687.5E | 47138.9* | -1.1   | 14:26:00 |
| 5700.0E | 47118.4* | -20.5  | 14:25:30 |
| 5712.5E | 47113.7* | -4.7   | 14:25:01 |
| 5725.0E | 47120.7* | 7.0    | 14:24:39 |
| 5737.5E | 47116.8* | -3.9   | 14:24:23 |
| 5750.0E | 47115.7* | -1.1   | 14:24:06 |
| 5762.5E | 47132.0* | 16.3   | 14:23:46 |
| 5775.0E | 47138.9* | 6.9    | 14:23:23 |
| 5787.5E | 47155.2* | 16.3   | 14:23:04 |
| 5800.0E | 47081.8* | -73.4  | 14:22:45 |
| 5812.5E | 47303.3* | 221.5  | 14:22:16 |
| 5825.0E | 47216.3* | -87.0  | 14:21:59 |
| 5837.5E | 47060.3* | -156.0 | 14:21:42 |
| 5850.0E | 47130.5* | 70.2   | 14:21:23 |
| 5862.5E | 47318.5* | 188.0  | 14:21:06 |
| 5875.0E | 47415.3* | 96.8   | 14:20:48 |
| 5887.5E | 47109.0* | -306.3 | 14:20:26 |
| 5900.0E | 46903.3* | -205.7 | 14:20:08 |
| 5912.5E | 46916.2* | 12.9   | 14:19:49 |
| 5925.0E | 46974.5* | 58.3   | 14:19:28 |
| 5937.5E | 47012.0* | 37.5   | 14:19:07 |
| 5950.0E | 47020.5* | 8.5    | 14:18:50 |
| 5962.5E | 47050.0* | 29.5   | 14:18:32 |
| 5975.0E | 47077.3* | 27.3   | 14:18:09 |
| 5987.5E | 47093.7* | 16.4   | 14:17:51 |
| 6000.E  | 47096.1* | 2.4    | 14:17:05 |

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 SCINTREX V2.1                      Magnetometer R1.8  
 Base Field:                      \*=Uncorrected Data                      Ser No:907330.  
 Line: 10300.N    Grid:    10000.    Job:                      1.    Date: 91/10/01  
 Operator:                      1.  
 -----

| Station | Mag      | Fld | Change | Time     | Information |
|---------|----------|-----|--------|----------|-------------|
| 4999.E  | 47116.1* |     |        | 16:24:55 |             |
| 5000.E  | 47117.1* |     | 1.0    | 15:18:18 |             |
| 5012.5E | 47143.4* |     | 26.3   | 15:19:17 |             |
| 5025.0E | 47149.0* |     | 5.6    | 15:19:39 |             |
| 5037.5E | 47148.7* |     | -0.3   | 15:20:04 |             |
| 5050.0E | 47151.6* |     | 2.9    | 15:20:26 |             |
| 5062.5E | 47151.5* |     | -0.1   | 15:20:54 |             |
| 5075.0E | 47140.7* |     | -10.8  | 15:21:16 |             |
| 5087.5E | 47117.3* |     | -23.4  | 15:21:36 |             |
| 5100.0E | 47115.5* |     | -1.8   | 15:22:11 |             |
| 5112.5E | 47118.7* |     | 3.2    | 15:22:31 |             |
| 5125.0E | 47122.0* |     | 3.3    | 15:22:50 |             |
| 5137.5E | 47124.4* |     | 2.4    | 15:23:10 |             |
| 5150.0E | 47120.4* |     | -4.0   | 15:23:33 |             |
| 5162.5E | 47128.6* |     | 8.2    | 15:24:13 |             |
| 5175.0E | 47113.4* |     | -15.2  | 15:24:37 |             |
| 5187.5E | 47118.5* |     | 5.1    | 15:24:55 |             |
| 5200.0E | 47116.3* |     | -2.2   | 15:25:50 |             |
| 5212.5E | 47092.2* |     | -24.1  | 15:26:14 |             |
| 5225.0E | 47092.9* |     | 0.7    | 15:26:53 |             |
| 5237.5E | 47107.5* |     | 14.6   | 15:27:19 |             |
| 5250.0E | 47073.6* |     | -33.9  | 15:27:43 |             |
| 5262.5E | 47011.4* |     | -62.2  | 15:28:02 |             |
| 5275.0E | 46940.8* |     | -70.6  | 15:28:20 |             |
| 5287.5E | 46856.8* |     | -84.0  | 15:28:39 |             |
| 5300.0E | 46556.7* |     | -300.1 | 15:29:40 |             |
| 5312.5E | 46414.3* |     | -142.4 | 15:30:02 |             |
| 5325.0E | 46456.6* |     | 42.3   | 15:30:25 |             |
| 5337.5E | 46619.0* |     | 162.4  | 15:30:49 |             |
| 5350.0E | 46775.2* |     | 156.2  | 15:31:20 |             |
| 5362.5E | 46907.6* |     | 132.4  | 15:31:40 |             |
| 5375.0E | 46959.4* |     | 51.8   | 15:32:00 |             |
| 5387.5E | 47016.6* |     | 57.2   | 15:32:19 |             |
| 5400.0E | 47072.4* |     | 55.8   | 15:32:38 |             |
| 5412.5E | 47083.9* |     | 11.5   | 15:32:58 |             |
| 5425.0E | 47094.7* |     | 10.8   | 15:33:36 |             |
| 5437.5E | 47095.5* |     | 0.8    | 15:34:00 |             |
| 5450.0E | 47092.7* |     | -2.8   | 15:34:20 |             |
| 5462.5E | 47090.2* |     | -2.5   | 15:34:42 |             |
| 5475.0E | 47093.7* |     | 3.5    | 15:34:59 |             |
| 5487.5E | 47101.8* |     | 8.1    | 15:35:21 |             |
| 5500.0E | 47124.1* |     | 22.3   | 15:35:56 |             |
| 5512.5E | 47114.8* |     | -9.3   | 15:36:36 |             |
| 5525.0E | 47106.8* |     | -8.0   | 15:36:56 |             |
| 5537.5E | 47118.8* |     | 12.0   | 15:37:17 |             |
| 5550.0E | 47112.9* |     | -5.9   | 15:37:46 |             |
| 5562.5E | 47103.2* |     | -9.7   | 15:38:13 |             |
| 5575.0E | 47102.9* |     | -0.3   | 15:38:34 |             |
| 5587.5E | 47120.4* |     | 17.5   | 15:39:11 |             |
| 5600.0E | 47118.6* |     | -1.8   | 15:39:31 |             |
| 5612.5E | 47107.3* |     | -11.3  | 15:39:48 |             |

|         |          |        |          |
|---------|----------|--------|----------|
| 5625.0E | 47109.5* | 2.2    | 15:40:05 |
| 5637.5E | 47087.4* | -22.1  | 15:40:22 |
| 5650.0E | 47097.3* | 9.9    | 15:40:39 |
| 5662.5E | 47092.2* | -5.1   | 15:41:02 |
| 5675.0E | 47091.6* | -0.6   | 15:41:20 |
| 5687.5E | 47095.6* | 4.0    | 15:41:47 |
| 5700.0E | 47088.4* | -7.2   | 15:42:36 |
| 5712.5E | 47084.7* | -3.7   | 15:42:55 |
| 5725.0E | 47122.1* | 37.4   | 15:43:17 |
| 5737.5E | 47055.5* | -66.6  | 15:43:35 |
| 5750.0E | 47062.6* | 7.1    | 15:43:57 |
| 5762.5E | 47017.5* | -45.1  | 15:44:18 |
| 5775.0E | 47002.8* | -14.7  | 15:44:39 |
| 5787.5E | 46999.1* | -3.7   | 15:44:57 |
| 5800.0E | 46940.3* | -58.8  | 15:45:23 |
| 5812.5E | 46785.8* | -154.5 | 15:45:59 |
| 5825.0E | 46663.3* | -122.5 | 15:46:29 |
| 5837.5E | 46777.3* | 114.0  | 15:46:55 |
| 5850.0E | 46890.9* | 113.6  | 15:48:22 |
| 5862.5E | 47026.3* | 135.4  | 15:48:41 |
| 5875.0E | 47208.6* | 182.3  | 15:48:59 |
| 5887.5E | 47369.9* | 161.3  | 15:49:23 |
| 5900.0E | 47542.6* | 172.7  | 15:49:56 |
| 5912.5E | 47469.9* | -72.7  | 15:50:15 |
| 5925.0E | 47378.2* | -91.7  | 15:50:35 |
| 5937.5E | 47247.7* | -130.5 | 15:50:56 |
| 5950.0E | 47080.1* | -167.6 | 15:51:18 |
| 5962.5E | 47052.7* | -27.4  | 15:51:37 |
| 5975.0E | 47043.3* | -9.4   | 15:51:59 |
| 5987.5E | 47061.1* | 17.8   | 15:52:24 |
| 6000.0E | 47088.2* | 27.1   | 15:52:58 |

-----  
 SCINTREX V2.1                      Magnetometer R1.8  
 Base Field:                      \*=Uncorrected Data                      Ser No:907330.  
 Line: 10400.N    Grid: 10000.    Job:                      1.    Date: 91/10/01  
 Operator:                      1.  
 -----

| Station | Mag      | Fld | Change | Time     | Information |
|---------|----------|-----|--------|----------|-------------|
| 5000.0E | 47123.8* |     |        | 16:23:31 |             |
| 5012.5E | 47126.3* |     | 2.5    | 16:23:03 |             |
| 5025.0E | 47124.4* |     | -1.9   | 16:22:45 |             |
| 5037.5E | 47123.1* |     | -1.3   | 16:22:24 |             |
| 5050.0E | 47127.0* |     | 3.9    | 16:22:06 |             |
| 5062.5E | 47126.9* |     | -0.1   | 16:21:48 |             |
| 5075.0E | 47127.3* |     | 0.4    | 16:21:28 |             |
| 5087.5E | 47122.0* |     | -5.3   | 16:21:11 |             |
| 5100.0E | 47122.8* |     | 0.8    | 16:20:48 |             |
| 5112.5E | 47116.2* |     | -6.6   | 16:20:15 |             |
| 5125.0E | 47113.2* |     | -3.0   | 16:19:56 |             |
| 5137.5E | 47111.3* |     | -1.9   | 16:19:38 |             |
| 5150.0E | 47126.8* |     | 15.5   | 16:19:20 |             |
| 5162.5E | 47101.8* |     | -25.0  | 16:18:58 |             |
| 5175.0E | 47088.7* |     | -13.1  | 16:18:36 |             |
| 5187.5E | 47083.5* |     | -5.2   | 16:18:15 |             |
| 5200.0E | 47073.3* |     | -10.2  | 16:17:56 |             |
| 5212.5E | 47071.1* |     | -2.2   | 16:17:35 |             |
| 5225.0E | 47057.3* |     | -13.8  | 16:17:17 |             |
| 5237.5E | 47042.1* |     | -15.2  | 16:16:57 |             |
| 5250.0E | 47032.0* |     | -10.1  | 16:16:37 |             |
| 5262.5E | 47020.2* |     | -11.8  | 16:16:13 |             |
| 5275.0E | 47037.5* |     | 17.3   | 16:15:54 |             |
| 5287.5E | 47074.2* |     | 36.7   | 16:15:37 |             |
| 5300.0E | 47163.9* |     | 89.7   | 16:15:11 |             |
| 5312.5E | 47281.4* |     | 117.5  | 16:14:44 |             |
| 5325.0E | 47492.9* |     | 211.5  | 16:14:26 |             |
| 5337.5E | 47730.0* |     | 237.1  | 16:14:04 |             |
| 5350.0E | 47334.0* |     | -396.0 | 16:13:41 |             |
| 5362.5E | 47232.8* |     | -101.2 | 16:13:13 |             |
| 5375.0E | 47187.6* |     | -45.2  | 16:12:53 |             |
| 5387.5E | 47164.0* |     | -23.6  | 16:12:26 |             |
| 5400.0E | 47142.9* |     | -21.1  | 16:12:00 |             |
| 5412.5E | 47137.1* |     | -5.8   | 16:11:36 |             |
| 5425.0E | 47123.9* |     | -13.2  | 16:11:13 |             |
| 5437.5E | 47124.9* |     | 1.0    | 16:10:48 |             |
| 5450.0E | 47128.0* |     | 3.1    | 16:10:29 |             |
| 5462.5E | 47132.6* |     | 4.6    | 16:10:09 |             |
| 5475.0E | 47122.9* |     | -9.7   | 16:09:46 |             |
| 5487.5E | 47125.8* |     | 2.9    | 16:09:27 |             |
| 5500.0E | 47114.7* |     | -11.1  | 16:09:04 |             |
| 5512.5E | 47120.3* |     | 5.6    | 16:08:39 |             |
| 5525.0E | 47121.9* |     | 1.6    | 16:08:20 |             |
| 5537.5E | 47118.5* |     | -3.4   | 16:08:00 |             |
| 5550.0E | 47113.7* |     | -4.8   | 16:07:38 |             |
| 5562.5E | 47112.9* |     | -0.8   | 16:07:19 |             |
| 5575.0E | 47112.3* |     | -0.6   | 16:07:00 |             |
| 5587.5E | 47107.3* |     | -5.0   | 16:06:41 |             |
| 5600.0E | 47101.9* |     | -5.4   | 16:06:20 |             |
| 5612.5E | 47110.8* |     | 8.9    | 16:05:57 |             |
| 5625.0E | 47108.1* |     | -2.7   | 16:05:40 |             |



|         |          |        |          |
|---------|----------|--------|----------|
| 5637.5E | 47103.0* | -5.1   | 16:05:17 |
| 5650.0E | 47102.4* | -0.6   | 16:04:57 |
| 5662.5E | 47104.6* | 2.2    | 16:04:31 |
| 5675.0E | 47090.4* | -14.2  | 16:04:13 |
| 5687.5E | 47063.2* | -27.2  | 16:03:50 |
| 5700.0E | 47049.9* | -13.3  | 16:03:20 |
| 5712.5E | 47038.9* | -11.0  | 16:02:59 |
| 5725.0E | 47038.2* | -0.7   | 16:02:37 |
| 5737.5E | 47031.0* | -7.2   | 16:02:17 |
| 5750.0E | 47007.0* | -24.0  | 16:02:00 |
| 5762.5E | 47020.8* | 13.8   | 16:01:42 |
| 5775.0E | 47078.1* | 57.3   | 16:01:24 |
| 5787.5E | 47285.1* | 207.0  | 16:01:05 |
| 5800.0E | 47763.3* | 478.2  | 16:00:43 |
| 5812.5E | 47819.4* | 56.1   | 16:00:20 |
| 5825.0E | 47517.8* | -301.6 | 16:00:01 |
| 5837.5E | 47348.7* | -169.1 | 15:59:42 |
| 5850.0E | 47271.0* | -77.7  | 15:59:19 |
| 5862.5E | 47235.1* | -35.9  | 15:59:02 |
| 5875.0E | 47240.7* | 5.6    | 15:58:40 |
| 5887.5E | 47252.4* | 11.7   | 15:58:12 |
| 5900.0E | 47292.4* | 40.0   | 15:57:42 |
| 5912.5E | 47336.8* | 44.4   | 15:57:19 |
| 5925.0E | 47316.1* | -20.7  | 15:57:01 |
| 5937.5E | 47280.8* | -35.3  | 15:56:43 |
| 5950.0E | 47236.7* | -44.1  | 15:56:24 |
| 5962.5E | 47166.6* | -70.1  | 15:56:05 |
| 5975.0E | 47146.9* | -19.7  | 15:55:38 |
| 5987.5E | 47115.7* | -31.2  | 15:55:21 |
| 6000.0E | 47107.6* | -8.1   | 15:54:59 |

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SCINTREX V2.1      Magnetometer R1.8
Base Field:        *=Uncorrected Data      Ser No:907330.
Line: 10000.N  Grid: 10000.  Job:          1.  Date: 91/09/26
Operator:          1.
-----

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-----
Station Mag Fld  Change  Time  Information
  4995.E 47102.9*      17:26:13
 5000.OE 47112.1*    9.2 15:17:39
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-----
SCINTREX V2.1      Magnetometer R1.8
Base Field:        *=Uncorrected Data      Ser No:907330.
Line: 10000.N  Grid: 10000.  Job:          1.  Date: 91/09/27
Operator:          1.
-----

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-----
Station Mag Fld  Change  Time  Information
  4996.E 47152.9*      11:50:47
 5001.OE 47147.5*   -5.4 08:47:46
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-----
SCINTREX V2.1      Magnetometer R1.8
Base Field:        *=Uncorrected Data      Ser No:907330.
Line: 10500.N  Grid: 10000.  Job:          1.  Date: 91/09/26
Operator:          1.
-----

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-----
Station Mag Fld  Change  Time  Information
  4995.E 47041.3*      17:21:35
  5000.E 47026.9*   -14.4 16:16:36
 5012.5E 47068.0*    41.1 16:17:42
 5025.0E 47071.7*     3.7 16:18:01
 5037.5E 47078.3*     6.6 16:18:31
 5050.0E 47067.2*   -11.1 16:18:51
 5062.5E 47085.6*    18.4 16:19:17
 5075.0E 47084.4*    -1.2 16:19:38
 5087.5E 47064.4*   -20.0 16:20:11
 5100.0E 47073.5*     9.1 16:20:35
 5112.5E 47076.6*     3.1 16:20:57
 5125.0E 47079.2*     2.6 16:21:16
 5137.5E 47089.2*    10.0 16:21:46
 5150.0E 47078.1*   -11.1 16:22:05
 5162.5E 47077.0*    -1.1 16:22:34
 5175.0E 47078.9*     1.9 16:23:04
 5187.5E 47048.7*   -30.2 16:23:23
 5200.0E 47052.1*     3.4 16:23:40
 5212.5E 47060.7*     8.6 16:23:59
 5225.0E 47064.1*     3.4 16:24:22
 5237.5E 47070.8*     6.7 16:24:43
 5250.0E 47078.8*     8.0 16:25:03
 5262.5E 47089.2*    10.4 16:25:27
 5275.0E 47115.1*    25.9 16:25:46
 5287.5E 47144.9*    29.8 16:26:16
 5300.0E 47224.1*    79.2 16:26:48
 5312.5E 47295.2*    71.1 16:27:19
 5325.0E 47367.0*    71.8 16:27:51
 5337.5E 47450.4*    83.4 16:28:15
 5350.0E 47453.4*     3.0 16:28:34
 5362.5E 47373.9*   -79.5 16:28:57
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|         |          |       |          |
|---------|----------|-------|----------|
| 5375.0E | 47274.7* | -99.2 | 16:29:26 |
| 5387.5E | 47182.8* | -91.9 | 16:29:55 |
| 5400.0E | 47147.3* | -35.5 | 16:30:15 |
| 5412.5E | 47143.8* | -3.5  | 16:30:36 |
| 5425.0E | 47097.6* | -46.2 | 16:31:24 |
| 5437.5E | 47102.1* | 4.5   | 16:31:43 |
| 5450.0E | 47102.1* | 0.0   | 16:32:01 |
| 5462.5E | 47086.1* | -16.0 | 16:32:20 |
| 5475.0E | 47079.0* | -7.1  | 16:32:41 |
| 5487.5E | 47101.8* | 22.8  | 16:33:06 |
| 5500.0E | 47077.6* | -24.2 | 16:34:00 |
| 5512.5E | 47076.3* | -1.3  | 16:34:26 |
| 5525.0E | 47072.4* | -3.9  | 16:34:45 |
| 5537.5E | 47080.2* | 7.8   | 16:35:06 |
| 5550.0E | 47078.7* | -1.5  | 16:35:50 |
| 5562.5E | 47086.6* | 7.9   | 16:36:16 |
| 5575.0E | 47082.7* | -3.9  | 16:36:33 |
| 5587.5E | 47072.4* | -10.3 | 16:36:52 |
| 5600.0E | 47083.6* | 11.2  | 16:37:15 |
| 5612.5E | 47072.5* | -11.1 | 16:37:47 |
| 5625.0E | 47083.8* | 11.3  | 16:38:09 |
| 5637.5E | 47081.5* | -2.3  | 16:38:31 |
| 5650.0E | 47067.3* | -14.2 | 16:38:57 |
| 5662.5E | 47085.3* | 18.0  | 16:39:21 |
| 5675.0E | 47064.7* | -20.6 | 16:39:43 |
| 5687.5E | 47070.2* | 5.5   | 16:40:06 |
| 5700.0E | 47081.3* | 11.1  | 16:40:25 |
| 5712.5E | 47093.4* | 12.1  | 16:40:46 |
| 5725.0E | 47106.9* | 13.5  | 16:41:13 |
| 5737.5E | 47130.2* | 23.3  | 16:41:41 |
| 5750.0E | 47103.2* | -27.0 | 16:42:10 |
| 5762.5E | 47083.2* | -20.0 | 16:42:36 |
| 5775.0E | 47117.6* | 34.4  | 16:42:56 |
| 5787.5E | 47179.1* | 61.5  | 16:43:23 |
| 5800.0E | 47297.9* | 118.8 | 16:44:16 |
| 5812.5E | 47385.8* | 87.9  | 16:44:45 |
| 5825.0E | 47409.2* | 23.4  | 16:45:14 |
| 5837.5E | 47372.9* | -36.3 | 16:45:33 |
| 5850.0E | 47334.4* | -38.5 | 16:45:55 |
| 5862.5E | 47256.7* | -77.7 | 16:46:23 |
| 5875.0E | 47203.6* | -53.1 | 16:46:50 |
| 5887.5E | 47211.9* | 8.3   | 16:47:10 |
| 5900.0E | 47152.7* | -59.2 | 16:47:37 |
| 5912.5E | 47172.0* | 19.3  | 16:48:27 |
| 5925.0E | 47213.2* | 41.2  | 16:49:03 |
| 5937.5E | 47221.0* | 7.8   | 16:49:22 |
| 5950.0E | 47216.1* | -4.9  | 16:49:40 |
| 5962.5E | 47200.1* | -16.0 | 16:50:04 |
| 5975.0E | 47186.6* | -13.5 | 16:50:27 |
| 5987.5E | 47167.3* | -19.3 | 16:50:55 |
| 6000.0E | 47132.7* | -34.6 | 16:51:25 |

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 SCINTREX V2.1                      Magnetometer R1.8  
 Base Field:                      \*=Uncorrected Data                      Ser No:907330.  
 Line: 10600.N    Grid: 10000.    Job:                      1.    Date: 91/09/26  
 Operator:                      1.  
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| Station | Mag Fld  | Change | Time     | Information |
|---------|----------|--------|----------|-------------|
| 5000.0E | 47073.3* |        | 17:19:59 |             |
| 5012.5E | 47079.6* | 6.3    | 17:19:34 |             |
| 5025.0E | 47076.1* | -3.5   | 17:19:17 |             |
| 5037.5E | 47082.0* | 5.9    | 17:19:00 |             |
| 5050.0E | 47066.0* | -16.0  | 17:18:41 |             |
| 5062.5E | 47076.8* | 10.8   | 17:18:11 |             |
| 5075.0E | 47081.4* | 4.6    | 17:17:53 |             |
| 5087.5E | 47078.3* | -3.1   | 17:17:35 |             |
| 5100.0E | 47073.6* | -4.7   | 17:17:18 |             |
| 5112.5E | 47050.5* | -23.1  | 17:16:59 |             |
| 5125.0E | 47076.9* | 26.4   | 17:16:39 |             |
| 5137.5E | 47067.4* | -9.5   | 17:16:21 |             |
| 5150.0E | 47065.7* | -1.7   | 17:15:59 |             |
| 5162.5E | 47145.9* | 80.2   | 17:15:40 |             |
| 5175.0E | 47042.6* | -103.3 | 17:15:16 |             |
| 5187.5E | 47046.9* | 4.3    | 17:14:58 |             |
| 5200.0E | 47067.0* | 20.1   | 17:14:39 |             |
| 5212.5E | 47093.3* | 26.3   | 17:14:21 |             |
| 5225.0E | 47080.1* | -13.2  | 17:14:04 |             |
| 5237.5E | 47093.9* | 13.8   | 17:13:46 |             |
| 5250.0E | 47104.4* | 10.5   | 17:13:29 |             |
| 5262.5E | 47133.6* | 29.2   | 17:13:11 |             |
| 5275.0E | 47157.6* | 24.0   | 17:12:54 |             |
| 5287.5E | 47175.1* | 17.5   | 17:12:35 |             |
| 5300.0E | 47182.4* | 7.3    | 17:12:14 |             |
| 5312.5E | 47188.0* | 5.6    | 17:11:50 |             |
| 5325.0E | 47184.3* | -3.7   | 17:11:34 |             |
| 5337.5E | 47178.7* | -5.6   | 17:11:16 |             |
| 5350.0E | 47171.9* | -6.8   | 17:10:55 |             |
| 5362.5E | 47164.3* | -7.6   | 17:10:32 |             |
| 5375.0E | 47152.3* | -12.0  | 17:10:13 |             |
| 5387.5E | 47138.5* | -13.8  | 17:09:44 |             |
| 5400.0E | 47117.6* | -20.9  | 17:09:25 |             |
| 5412.5E | 47120.6* | 3.0    | 17:09:07 |             |
| 5425.0E | 47109.5* | -11.1  | 17:08:47 |             |
| 5437.5E | 47100.6* | -8.9   | 17:08:24 |             |
| 5450.0E | 47094.0* | -6.6   | 17:08:01 |             |
| 5462.5E | 47091.0* | -3.0   | 17:07:39 |             |
| 5475.0E | 47083.6* | -7.4   | 17:07:22 |             |
| 5487.5E | 47081.6* | -2.0   | 17:07:05 |             |
| 5500.0E | 47057.9* | -23.7  | 17:06:48 |             |
| 5512.5E | 47052.3* | -5.6   | 17:06:25 |             |
| 5525.0E | 47074.9* | 22.6   | 17:06:06 |             |
| 5537.5E | 47068.8* | -6.1   | 17:05:49 |             |
| 5550.0E | 47071.1* | 2.3    | 17:05:30 |             |
| 5562.5E | 47066.9* | -4.2   | 17:05:12 |             |
| 5575.0E | 47068.4* | 1.5    | 17:04:55 |             |
| 5587.5E | 47070.4* | 2.0    | 17:04:38 |             |
| 5600.0E | 47057.0* | -13.4  | 17:04:21 |             |
| 5612.5E | 47066.4* | 9.4    | 17:03:58 |             |
| 5625.0E | 47063.4* | -3.0   | 17:03:41 |             |

|         |          |       |          |
|---------|----------|-------|----------|
| 5637.5E | 47063.9* | 0.5   | 17:03:20 |
| 5650.0E | 47059.0* | -4.9  | 17:03:02 |
| 5662.5E | 47059.9* | 0.9   | 17:02:45 |
| 5675.0E | 47058.0* | -1.9  | 17:02:27 |
| 5687.5E | 47059.7* | 1.7   | 17:02:08 |
| 5700.0E | 47046.2* | -13.5 | 17:01:50 |
| 5712.5E | 47066.0* | 19.8  | 17:01:30 |
| 5725.0E | 47073.5* | 7.5   | 17:01:12 |
| 5737.5E | 47086.9* | 13.4  | 17:00:55 |
| 5750.0E | 47105.3* | 18.4  | 17:00:38 |
| 5762.5E | 47135.7* | 30.4  | 17:00:14 |
| 5775.0E | 47157.4* | 21.7  | 16:59:51 |
| 5787.5E | 47185.4* | 28.0  | 16:59:32 |
| 5800.0E | 47211.1* | 25.7  | 16:59:11 |
| 5812.5E | 47273.1* | 62.0  | 16:58:54 |
| 5825.0E | 47326.6* | 53.5  | 16:58:38 |
| 5837.5E | 47285.8* | -40.8 | 16:58:18 |
| 5850.0E | 47261.4* | -24.4 | 16:57:43 |
| 5862.5E | 47221.3* | -40.1 | 16:57:24 |
| 5875.0E | 47249.4* | 28.1  | 16:57:02 |
| 5887.5E | 47188.9* | -60.5 | 16:56:41 |
| 5900.0E | 47194.5* | 5.6   | 16:56:22 |
| 5912.5E | 47198.9* | 4.4   | 16:56:04 |
| 5925.0E | 47233.9* | 35.0  | 16:55:48 |
| 5937.5E | 47245.5* | 11.6  | 16:55:31 |
| 5950.0E | 47271.7* | 26.2  | 16:55:14 |
| 5962.5E | 47283.8* | 12.1  | 16:54:56 |
| 5975.0E | 47286.4* | 2.6   | 16:54:33 |
| 5987.5E | 47279.7* | -6.7  | 16:53:57 |
| 6000.E  | 47235.6* | -44.1 | 16:53:32 |

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 SCINTREX V2.1                      Magnetometer R1.8  
 Base Field:                      \*=Uncorrected Data                      Ser No:907330.  
 Line: 10700.N    Grid:    10000.    Job:                      1.    Date: 91/09/27  
 Operator:                      1.  
 -----

| Station | Mag      | Fld | Change | Time     | Information |
|---------|----------|-----|--------|----------|-------------|
| 4995.E  | 47118.5* |     |        | 10:13:37 |             |
| 5000.E  | 47161.6* |     | 43.1   | 09:05:44 |             |
| 5012.5E | 47174.3* |     | 12.7   | 09:06:44 |             |
| 5025.0E | 47129.5* |     | -44.8  | 09:07:14 |             |
| 5037.5E | 47148.1* |     | 18.6   | 09:07:32 |             |
| 5050.0E | 47147.2* |     | -0.9   | 09:07:58 |             |
| 5062.5E | 47152.6* |     | 5.4    | 09:08:16 |             |
| 5075.0E | 47124.1* |     | -28.5  | 09:08:41 |             |
| 5087.5E | 47126.5* |     | 2.4    | 09:09:03 |             |
| 5100.0E | 47139.5* |     | 13.0   | 09:09:30 |             |
| 5112.5E | 47101.4* |     | -38.1  | 09:09:48 |             |
| 5125.0E | 47131.0* |     | 29.6   | 09:10:05 |             |
| 5137.5E | 47142.4* |     | 11.4   | 09:10:30 |             |
| 5150.0E | 47122.3* |     | -20.1  | 09:10:55 |             |
| 5162.5E | 47143.9* |     | 21.6   | 09:11:14 |             |
| 5175.0E | 47119.5* |     | -24.4  | 09:11:42 |             |
| 5187.5E | 47122.7* |     | 3.2    | 09:12:12 |             |
| 5200.0E | 47128.5* |     | 5.8    | 09:12:32 |             |
| 5212.5E | 47125.1* |     | -3.4   | 09:12:51 |             |
| 5225.0E | 47158.5* |     | 33.4   | 09:13:15 |             |
| 5237.5E | 47148.7* |     | -9.8   | 09:13:34 |             |
| 5250.0E | 47181.9* |     | 33.2   | 09:13:54 |             |
| 5262.5E | 47193.9* |     | 12.0   | 09:14:17 |             |
| 5275.0E | 47166.3* |     | -27.6  | 09:14:50 |             |
| 5287.5E | 47179.9* |     | 13.6   | 09:15:09 |             |
| 5300.0E | 47190.4* |     | 10.5   | 09:15:30 |             |
| 5312.5E | 47190.0* |     | -0.4   | 09:16:10 |             |
| 5325.0E | 47191.2* |     | 1.2    | 09:16:33 |             |
| 5337.5E | 47176.1* |     | -15.1  | 09:17:00 |             |
| 5350.0E | 47166.2* |     | -9.9   | 09:17:18 |             |
| 5362.5E | 47209.0* |     | 42.8   | 09:17:37 |             |
| 5375.0E | 47179.3* |     | -29.7  | 09:17:56 |             |
| 5387.5E | 47187.5* |     | 8.2    | 09:18:15 |             |
| 5400.0E | 47157.0* |     | -30.5  | 09:19:05 |             |
| 5412.5E | 47154.2* |     | -2.8   | 09:19:27 |             |
| 5425.0E | 47137.3* |     | -16.9  | 09:19:54 |             |
| 5437.5E | 47134.5* |     | -2.8   | 09:20:13 |             |
| 5450.0E | 47122.1* |     | -12.4  | 09:20:39 |             |
| 5462.5E | 47130.6* |     | 8.5    | 09:21:02 |             |
| 5475.0E | 47122.4* |     | -8.2   | 09:21:32 |             |
| 5487.5E | 47124.5* |     | 2.1    | 09:21:50 |             |
| 5500.0E | 47129.4* |     | 4.9    | 09:22:25 |             |
| 5512.5E | 47129.6* |     | 0.2    | 09:22:45 |             |
| 5525.0E | 47120.9* |     | -8.7   | 09:23:05 |             |
| 5537.5E | 47116.2* |     | -4.7   | 09:23:28 |             |
| 5550.0E | 47113.0* |     | -3.2   | 09:23:48 |             |
| 5562.5E | 47123.1* |     | 10.1   | 09:24:06 |             |
| 5575.0E | 47130.0* |     | 6.9    | 09:24:29 |             |
| 5587.5E | 47114.2* |     | -15.8  | 09:25:05 |             |
| 5600.0E | 47118.0* |     | 3.8    | 09:26:01 |             |
| 5612.5E | 47143.3* |     | 25.3   | 09:26:32 |             |

|         |          |       |          |
|---------|----------|-------|----------|
| 5625.0E | 47127.9* | -15.4 | 09:26:53 |
| 5637.5E | 47099.0* | -28.9 | 09:27:13 |
| 5650.0E | 47093.9* | -5.1  | 09:27:42 |
| 5662.5E | 47090.8* | -3.1  | 09:28:08 |
| 5675.0E | 47138.0* | 47.2  | 09:28:35 |
| 5687.5E | 47076.8* | -61.2 | 09:29:02 |
| 5700.0E | 47068.6* | -8.2  | 09:29:55 |
| 5712.5E | 47100.8* | 32.2  | 09:30:28 |
| 5725.0E | 47109.4* | 8.6   | 09:30:49 |
| 5737.5E | 47134.5* | 25.1  | 09:31:17 |
| 5750.0E | 47139.8* | 5.3   | 09:31:49 |
| 5762.5E | 47141.2* | 1.4   | 09:32:11 |
| 5775.0E | 47152.7* | 11.5  | 09:32:41 |
| 5787.5E | 47154.4* | 1.7   | 09:33:02 |
| 5800.0E | 47157.4* | 3.0   | 09:33:34 |
| 5812.5E | 47163.8* | 6.4   | 09:34:11 |
| 5825.0E | 47174.6* | 10.8  | 09:34:31 |
| 5837.5E | 47262.1* | 87.5  | 09:35:04 |
| 5850.0E | 47215.4* | -46.7 | 09:35:30 |
| 5862.5E | 47212.5* | -2.9  | 09:35:50 |
| 5875.0E | 47182.9* | -29.6 | 09:36:10 |
| 5887.5E | 47180.9* | -2.0  | 09:36:27 |
| 5900.0E | 47207.8* | 26.9  | 09:37:29 |
| 5912.5E | 47191.5* | -16.3 | 09:38:01 |
| 5925.0E | 47215.8* | 24.3  | 09:38:20 |
| 5937.5E | 47229.9* | 14.1  | 09:38:41 |
| 5950.0E | 47235.8* | 5.9   | 09:39:11 |
| 5962.5E | 47244.5* | 8.7   | 09:39:34 |
| 5975.0E | 47265.1* | 20.6  | 09:39:59 |
| 5987.5E | 47415.2* | 150.1 | 09:40:39 |
| 6000.0E | 47339.2* | -76.0 | 09:41:25 |

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SCINTREX V2.1      Magnetometer R1.8
Base Field:        *=Uncorrected Data      Ser No:907330.
Line: 10800.N  Grid: 10000.    Job:        1.  Date: 91/09/27
Operator:          1.
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| Station | Mag Fld  | Change | Time     | Information |
|---------|----------|--------|----------|-------------|
| 5000.0E | 47105.2* |        | 10:12:03 |             |
| 5012.5E | 47107.3* | 2.1    | 10:11:37 |             |
| 5025.0E | 47104.6* | -2.7   | 10:11:20 |             |
| 5037.5E | 47103.1* | -1.5   | 10:11:01 |             |
| 5050.0E | 47115.8* | 12.7   | 10:10:44 |             |
| 5062.5E | 47087.8* | -28.0  | 10:10:24 |             |
| 5075.0E | 47099.3* | 11.5   | 10:10:00 |             |
| 5087.5E | 47098.1* | -1.2   | 10:09:43 |             |
| 5100.0E | 47081.0* | -17.1  | 10:09:26 |             |
| 5112.5E | 47099.2* | 18.2   | 10:09:07 |             |
| 5125.0E | 47096.2* | -3.0   | 10:08:49 |             |
| 5137.5E | 47102.0* | 5.8    | 10:08:31 |             |
| 5150.0E | 47101.5* | -0.5   | 10:08:13 |             |
| 5162.5E | 47106.5* | 5.0    | 10:07:54 |             |
| 5175.0E | 47109.3* | 2.8    | 10:07:34 |             |
| 5187.5E | 47102.1* | -7.2   | 10:07:16 |             |
| 5200.0E | 47094.2* | -7.9   | 10:06:53 |             |
| 5212.5E | 47105.9* | 11.7   | 10:06:36 |             |
| 5225.0E | 47105.3* | -0.6   | 10:06:20 |             |
| 5237.5E | 47105.8* | 0.5    | 10:05:59 |             |
| 5250.0E | 47116.6* | 10.8   | 10:05:41 |             |
| 5262.5E | 47108.3* | -8.3   | 10:05:22 |             |
| 5275.0E | 47226.9* | 118.6  | 10:04:59 |             |
| 5287.5E | 47161.1* | -65.8  | 10:04:41 |             |
| 5300.0E | 47125.5* | -35.6  | 10:04:15 |             |
| 5312.5E | 47140.9* | 15.4   | 10:03:51 |             |
| 5325.0E | 47133.5* | -7.4   | 10:03:32 |             |
| 5337.5E | 47129.4* | -4.1   | 10:03:11 |             |
| 5350.0E | 47133.8* | 4.4    | 10:02:52 |             |
| 5362.5E | 47131.7* | -2.1   | 10:02:28 |             |
| 5375.0E | 47131.2* | -0.5   | 10:02:09 |             |
| 5387.5E | 47130.1* | -1.1   | 10:01:49 |             |
| 5400.0E | 47113.1* | -17.0  | 10:01:24 |             |
| 5412.5E | 47127.7* | 14.6   | 10:00:58 |             |
| 5425.0E | 47132.7* | 5.0    | 10:00:39 |             |
| 5437.5E | 47131.9* | -0.8   | 10:00:20 |             |
| 5450.0E | 47130.2* | -1.7   | 10:00:01 |             |
| 5462.5E | 47131.0* | 0.8    | 09:59:35 |             |
| 5475.0E | 47129.7* | -1.3   | 09:59:14 |             |
| 5487.5E | 47119.9* | -9.8   | 09:58:56 |             |
| 5500.0E | 47115.9* | -4.0   | 09:58:34 |             |
| 5512.5E | 47121.0* | 5.1    | 09:58:11 |             |
| 5525.0E | 47112.9* | -8.1   | 09:57:51 |             |
| 5537.5E | 47103.9* | -9.0   | 09:57:33 |             |
| 5550.0E | 47107.4* | 3.5    | 09:57:15 |             |
| 5562.5E | 47109.2* | 1.8    | 09:56:54 |             |
| 5575.0E | 47100.1* | -9.1   | 09:56:34 |             |
| 5587.5E | 47104.4* | 4.3    | 09:56:14 |             |
| 5600.0E | 47101.9* | -2.5   | 09:55:43 |             |
| 5612.5E | 47128.9* | 27.0   | 09:55:25 |             |
| 5625.0E | 47135.5* | 6.6    | 09:55:05 |             |



|         |          |       |          |
|---------|----------|-------|----------|
| 5637.5E | 47110.6* | -24.9 | 09:54:44 |
| 5650.0E | 47145.3* | 34.7  | 09:54:26 |
| 5662.5E | 47161.5* | 16.2  | 09:54:09 |
| 5675.0E | 47130.7* | -30.8 | 09:53:51 |
| 5687.5E | 47110.4* | -20.3 | 09:53:32 |
| 5700.0E | 47122.8* | 12.4  | 09:53:03 |
| 5712.5E | 47120.8* | -2.0  | 09:52:44 |
| 5725.0E | 47105.4* | -15.4 | 09:52:25 |
| 5737.5E | 47088.7* | -16.7 | 09:52:03 |
| 5750.0E | 47095.4* | 6.7   | 09:51:44 |
| 5762.5E | 47077.5* | -17.9 | 09:51:25 |
| 5775.0E | 47099.8* | 22.3  | 09:51:06 |
| 5787.5E | 47080.6* | -19.2 | 09:50:42 |
| 5800.0E | 47125.5* | 44.9  | 09:50:11 |
| 5812.5E | 47122.0* | -3.5  | 09:49:52 |
| 5825.0E | 47114.4* | -7.6  | 09:49:33 |
| 5837.5E | 47104.0* | -10.4 | 09:49:10 |
| 5850.0E | 47118.9* | 14.9  | 09:48:51 |
| 5862.5E | 47122.3* | 3.4   | 09:48:32 |
| 5875.0E | 47127.4* | 5.1   | 09:48:08 |
| 5887.5E | 47127.8* | 0.4   | 09:47:50 |
| 5900.0E | 47122.2* | -5.6  | 09:47:26 |
| 5912.5E | 47111.9* | -10.3 | 09:47:06 |
| 5925.0E | 47103.3* | -8.6  | 09:46:48 |
| 5937.5E | 47203.0* | 99.7  | 09:46:29 |
| 5950.0E | 47267.9* | 64.9  | 09:46:10 |
| 5962.5E | 47224.3* | -43.6 | 09:45:48 |
| 5975.0E | 47196.3* | -28.0 | 09:45:24 |
| 5987.5E | 47186.5* | -9.8  | 09:44:59 |
| 6000.0E | 47173.6* | -12.9 | 09:44:15 |

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SCINTREX V2.1                      Magnetometer R1.8  
Base Field:                      \*=Uncorrected Data                      Ser No:907330.  
Line: 10900.N    Grid:    10000.    Job:    1.    Date: 91/09/27  
Operator:                      1.  
-----

| Station | Mag      | Fld | Change | Time     | Information |
|---------|----------|-----|--------|----------|-------------|
| 4995.E  | 47150.3* |     |        | 11:43:24 |             |
| 5000.E  | 47155.5* |     | 5.2    | 10:35:13 |             |
| 5012.5E | 47138.5* |     | -17.0  | 10:35:59 |             |
| 5025.0E | 47151.5* |     | 13.0   | 10:36:32 |             |
| 5037.5E | 47153.0* |     | 1.5    | 10:36:58 |             |
| 5050.0E | 47158.2* |     | 5.2    | 10:37:17 |             |
| 5062.5E | 47176.5* |     | 18.3   | 10:37:37 |             |
| 5075.0E | 47159.4* |     | -17.1  | 10:38:10 |             |
| 5087.5E | 47136.8* |     | -22.6  | 10:38:34 |             |
| 5100.0E | 47134.5* |     | -2.3   | 10:38:52 |             |
| 5112.5E | 47133.0* |     | -1.5   | 10:39:11 |             |
| 5125.0E | 47121.8* |     | -11.2  | 10:39:32 |             |
| 5137.5E | 47104.5* |     | -17.3  | 10:40:00 |             |
| 5150.0E | 47134.4* |     | 29.9   | 10:40:23 |             |
| 5162.5E | 47099.8* |     | -34.6  | 10:41:16 |             |
| 5175.0E | 47104.0* |     | 4.2    | 10:41:38 |             |
| 5187.5E | 47111.8* |     | 7.8    | 10:42:02 |             |
| 5200.0E | 47111.2* |     | -0.6   | 10:44:14 |             |
| 5212.5E | 47109.7* |     | -1.5   | 10:44:44 |             |
| 5225.0E | 47117.6* |     | 7.9    | 10:45:03 |             |
| 5237.5E | 47126.8* |     | 9.2    | 10:45:22 |             |
| 5250.0E | 47124.5* |     | -2.3   | 10:45:46 |             |
| 5262.5E | 47138.5* |     | 14.0   | 10:46:10 |             |
| 5275.0E | 47155.5* |     | 17.0   | 10:46:28 |             |
| 5287.5E | 47187.8* |     | 32.3   | 10:46:51 |             |
| 5300.0E | 47159.9* |     | -27.9  | 10:47:18 |             |
| 5312.5E | 47168.0* |     | 8.1    | 10:47:39 |             |
| 5325.0E | 47155.2* |     | -12.8  | 10:48:07 |             |
| 5337.5E | 47126.5* |     | -28.7  | 10:48:30 |             |
| 5350.0E | 47123.9* |     | -2.6   | 10:49:28 |             |
| 5362.5E | 47137.5* |     | 13.6   | 10:49:47 |             |
| 5375.0E | 47139.7* |     | 2.2    | 10:50:06 |             |
| 5387.5E | 47139.2* |     | -0.5   | 10:50:26 |             |
| 5400.0E | 47140.3* |     | 1.1    | 10:50:51 |             |
| 5412.5E | 47132.3* |     | -8.0   | 10:51:15 |             |
| 5425.0E | 47115.4* |     | -16.9  | 10:51:47 |             |
| 5437.5E | 47116.8* |     | 1.4    | 10:52:09 |             |
| 5450.0E | 47115.6* |     | -1.2   | 10:52:38 |             |
| 5462.5E | 47115.6* |     | 0.0    | 10:52:57 |             |
| 5475.0E | 47109.4* |     | -6.2   | 10:53:15 |             |
| 5487.5E | 47120.0* |     | 10.6   | 10:54:00 |             |
| 5500.0E | 47125.2* |     | 5.2    | 10:54:33 |             |
| 5512.5E | 47078.5* |     | -46.7  | 10:55:06 |             |
| 5525.0E | 47128.2* |     | 49.7   | 10:55:25 |             |
| 5537.5E | 47153.4* |     | 25.2   | 10:55:58 |             |
| 5550.0E | 47115.7* |     | -37.7  | 10:56:55 |             |
| 5562.5E | 47189.1* |     | 73.4   | 10:57:45 |             |
| 5575.0E | 47130.0* |     | -59.1  | 10:58:06 |             |
| 5587.5E | 47195.4* |     | 65.4   | 10:58:35 |             |
| 5600.0E | 47113.9* |     | -81.5  | 10:59:06 |             |
| 5612.5E | 47115.6* |     | 1.7    | 10:59:28 |             |

|         |          |       |          |
|---------|----------|-------|----------|
| 5625.0E | 47125.1* | 9.5   | 10:59:52 |
| 5637.5E | 47126.9* | 1.8   | 11:00:38 |
| 5650.0E | 47127.6* | 0.7   | 11:01:01 |
| 5662.5E | 47127.5* | -0.1  | 11:01:30 |
| 5675.0E | 47117.8* | -9.7  | 11:01:55 |
| 5687.5E | 47127.7* | 9.9   | 11:02:15 |
| 5700.0E | 47100.4* | -27.3 | 11:02:51 |
| 5712.5E | 47113.3* | 12.9  | 11:03:20 |
| 5725.0E | 47115.2* | 1.9   | 11:03:38 |
| 5737.5E | 47115.6* | 0.4   | 11:03:58 |
| 5750.0E | 47120.3* | 4.7   | 11:04:17 |
| 5762.5E | 47134.9* | 14.6  | 11:04:36 |
| 5775.0E | 47143.5* | 8.6   | 11:04:56 |
| 5787.5E | 47122.8* | -20.7 | 11:05:22 |
| 5800.0E | 47090.2* | -32.6 | 11:05:41 |
| 5812.5E | 47098.2* | 8.0   | 11:06:01 |
| 5825.0E | 47117.7* | 19.5  | 11:06:23 |
| 5837.5E | 47089.2* | -28.5 | 11:06:50 |
| 5850.0E | 47078.9* | -10.3 | 11:07:11 |
| 5862.5E | 47058.2* | -20.7 | 11:07:35 |
| 5875.0E | 47035.9* | -22.3 | 11:08:02 |
| 5887.5E | 47133.0* | 97.1  | 11:08:28 |
| 5900.0E | 47246.6* | 113.6 | 11:09:09 |
| 5912.5E | 47210.3* | -36.3 | 11:09:29 |
| 5925.0E | 47196.1* | -14.2 | 11:09:47 |
| 5937.5E | 47172.7* | -23.4 | 11:10:06 |
| 5950.0E | 47167.7* | -5.0  | 11:10:24 |
| 5962.5E | 47163.6* | -4.1  | 11:10:42 |
| 5975.0E | 47156.2* | -7.4  | 11:11:00 |
| 5987.5E | 47146.4* | -9.8  | 11:11:18 |
| 6000.0E | 47138.4* | -8.0  | 11:12:02 |

A-19

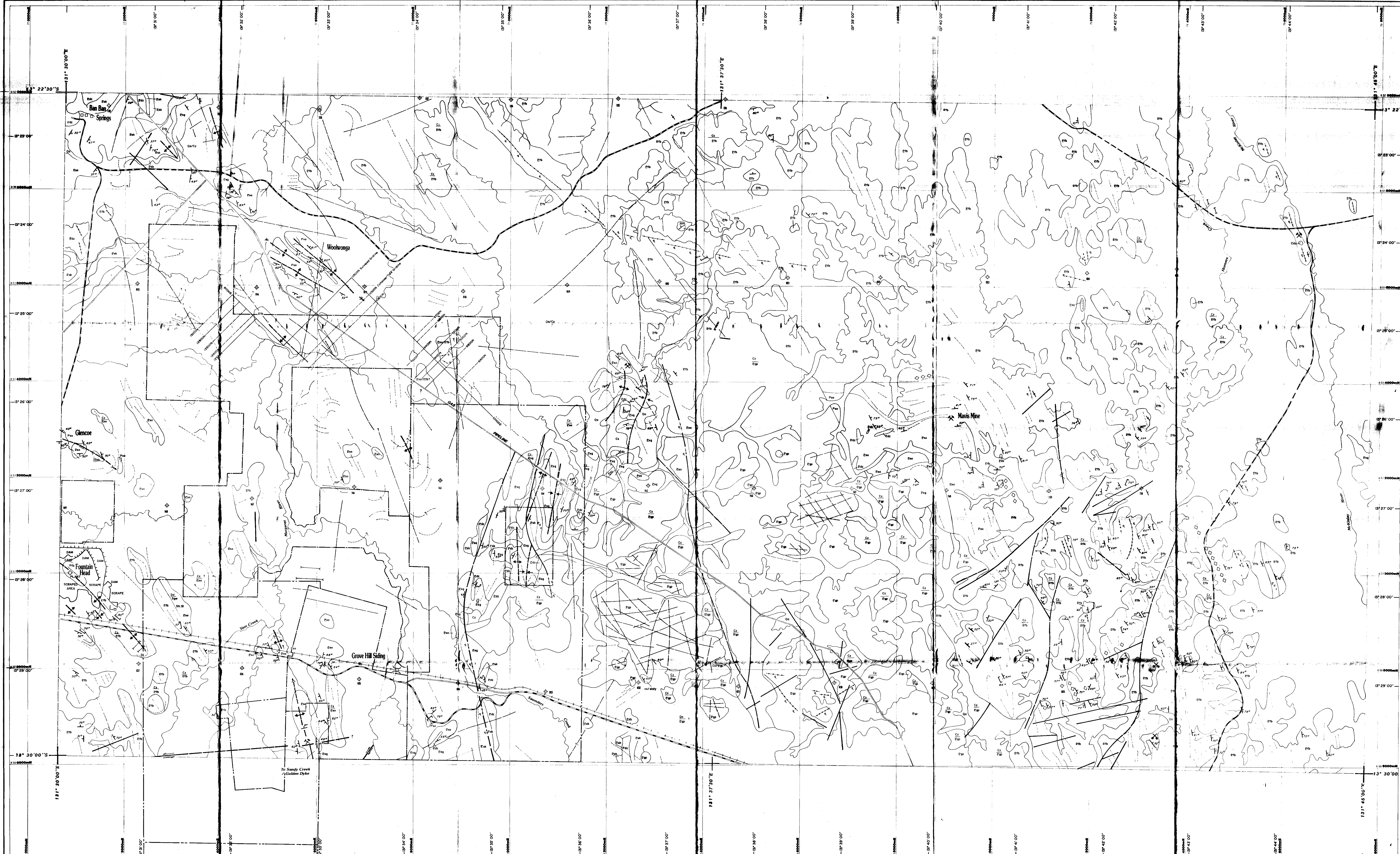
125-

-----  
SCINTREX V2.1                      Magnetometer R1.8  
Base Field:                      \*=Uncorrected Data                      Ser No:907330.  
Line: 11000.N    Grid: 10000.    Job:                      1.    Date: 91/09/27  
Operator:                      1.  
-----

| Station | Mag      | Fld | Change | Time     | Information |
|---------|----------|-----|--------|----------|-------------|
| 5000.0E | 47126.0* |     |        | 11:41:54 |             |
| 5012.5E | 47142.5* |     | 16.5   | 11:41:29 |             |
| 5025.0E | 47150.7* |     | 8.2    | 11:41:06 |             |
| 5037.5E | 47147.3* |     | -3.4   | 11:40:46 |             |
| 5050.0E | 47143.3* |     | -4.0   | 11:40:26 |             |
| 5062.5E | 47145.5* |     | 2.2    | 11:40:00 |             |
| 5075.0E | 47157.6* |     | 12.1   | 11:39:41 |             |
| 5087.5E | 47126.7* |     | -30.9  | 11:39:21 |             |
| 5100.0E | 47121.9* |     | -4.8   | 11:39:02 |             |
| 5112.5E | 47127.3* |     | 5.4    | 11:38:37 |             |
| 5125.0E | 47115.3* |     | -12.0  | 11:38:15 |             |
| 5137.5E | 47124.0* |     | 8.7    | 11:37:50 |             |
| 5150.0E | 47128.7* |     | 4.7    | 11:37:31 |             |
| 5162.5E | 47153.2* |     | 24.5   | 11:37:09 |             |
| 5175.0E | 47119.5* |     | -33.7  | 11:36:47 |             |
| 5187.5E | 47120.8* |     | 1.3    | 11:36:30 |             |
| 5200.0E | 47114.1* |     | -6.7   | 11:36:13 |             |
| 5212.5E | 47124.9* |     | 10.8   | 11:35:49 |             |
| 5225.0E | 47130.2* |     | 5.3    | 11:35:28 |             |
| 5237.5E | 47126.2* |     | -4.0   | 11:35:12 |             |
| 5250.0E | 47133.8* |     | 7.6    | 11:34:54 |             |
| 5262.5E | 47137.9* |     | 4.1    | 11:34:36 |             |
| 5275.0E | 47143.3* |     | 5.4    | 11:34:16 |             |
| 5287.5E | 47146.4* |     | 3.1    | 11:33:55 |             |
| 5300.0E | 47138.1* |     | -8.3   | 11:33:35 |             |
| 5312.5E | 47154.0* |     | 15.9   | 11:33:17 |             |
| 5325.0E | 47149.9* |     | -4.1   | 11:32:58 |             |
| 5337.5E | 47148.4* |     | -1.5   | 11:32:38 |             |
| 5350.0E | 47144.2* |     | -4.2   | 11:32:20 |             |
| 5362.5E | 47134.6* |     | -9.6   | 11:31:57 |             |
| 5375.0E | 47132.8* |     | -1.8   | 11:31:37 |             |
| 5387.5E | 47169.8* |     | 37.0   | 11:31:14 |             |
| 5400.0E | 47152.8* |     | -17.0  | 11:30:51 |             |
| 5412.5E | 47155.8* |     | 3.0    | 11:30:31 |             |
| 5425.0E | 47165.7* |     | 9.9    | 11:30:13 |             |
| 5437.5E | 47131.9* |     | -33.8  | 11:29:52 |             |
| 5450.0E | 47184.9* |     | 53.0   | 11:29:32 |             |
| 5462.5E | 47154.7* |     | -30.2  | 11:29:13 |             |
| 5475.0E | 47132.9* |     | -21.8  | 11:28:55 |             |
| 5487.5E | 47116.9* |     | -16.0  | 11:28:37 |             |
| 5500.0E | 47102.0* |     | -14.9  | 11:28:12 |             |
| 5512.5E | 47121.7* |     | 19.7   | 11:27:51 |             |
| 5525.0E | 47122.5* |     | 0.8    | 11:27:29 |             |
| 5537.5E | 47125.2* |     | 2.7    | 11:27:10 |             |
| 5550.0E | 47120.7* |     | -4.5   | 11:26:48 |             |
| 5562.5E | 47135.7* |     | 15.0   | 11:26:29 |             |
| 5575.0E | 47120.3* |     | -15.4  | 11:26:11 |             |
| 5587.5E | 47107.1* |     | -13.2  | 11:25:52 |             |
| 5600.0E | 47109.3* |     | 2.2    | 11:25:15 |             |
| 5612.5E | 47109.5* |     | 0.2    | 11:24:54 |             |
| 5625.0E | 47113.9* |     | 4.4    | 11:24:36 |             |

|         |          |       |          |
|---------|----------|-------|----------|
| 5637.5E | 47111.8* | -2.1  | 11:24:18 |
| 5650.0E | 47111.8* | 0.0   | 11:23:57 |
| 5662.5E | 47111.0* | -0.8  | 11:23:38 |
| 5675.0E | 47112.2* | 1.2   | 11:23:16 |
| 5687.5E | 47114.3* | 2.1   | 11:22:56 |
| 5700.0E | 47093.4* | -20.9 | 11:22:34 |
| 5712.5E | 47105.7* | 12.3  | 11:22:12 |
| 5725.0E | 47101.7* | -4.0  | 11:21:54 |
| 5737.5E | 47102.7* | 1.0   | 11:21:36 |
| 5750.0E | 47099.7* | -3.0  | 11:21:17 |
| 5762.5E | 47097.4* | -2.3  | 11:20:59 |
| 5775.0E | 47093.5* | -3.9  | 11:20:40 |
| 5787.5E | 47089.6* | -3.9  | 11:20:23 |
| 5800.0E | 47064.6* | -25.0 | 11:20:01 |
| 5812.5E | 47076.6* | 12.0  | 11:19:42 |
| 5825.0E | 47061.8* | -14.8 | 11:19:25 |
| 5837.5E | 47046.2* | -15.6 | 11:19:00 |
| 5850.0E | 47260.5* | 214.3 | 11:18:38 |
| 5862.5E | 47183.1* | -77.4 | 11:18:16 |
| 5875.0E | 47157.5* | -25.6 | 11:17:58 |
| 5887.5E | 47144.9* | -12.6 | 11:17:40 |
| 5900.0E | 47147.4* | 2.5   | 11:17:20 |
| 5912.5E | 47114.5* | -32.9 | 11:16:58 |
| 5925.0E | 47135.3* | 20.8  | 11:16:35 |
| 5937.5E | 47124.6* | -10.7 | 11:16:15 |
| 5950.0E | 47121.3* | -3.3  | 11:15:57 |
| 5962.5E | 47120.2* | -1.1  | 11:15:35 |
| 5975.0E | 47121.3* | 1.1   | 11:15:16 |
| 5987.5E | 47120.0* | -1.3  | 11:14:57 |
| 6000.0E | 47112.3* | -7.7  | 11:14:26 |





**GEOLOGY**

**CAINOZOIC**

Quaternary

- Qa Silt sand clay
- Qc Clay - brown humic soils
- Qd Lithic
- Qe Unconsolidated sand
- Qf Nodular ironstone

**MESOZOIC**

Petal Formation

- Ms Quartz sandstone + conglomerate

**PALAEZOIC**

UNCONFORMITY

DAILY RIVER GROUP

- Tadall Limestone

**TOLMER GROUP**

- Sray Creek Sandstone
- Depot Creek Sandstone

**Geology continued**

**EARLY PROTEROZOIC**

UNCONFORMITY

Cullen Granite

- McMinn Granite
- Burnside Granite
- Fenton Granite
- Shedder Granite
- Prices Springs Granite
- McKinnon Granite

**SOUTH ALLIGATOR GROUP**

- Barrell Creek Formation
- Mc. Boone Formation
- Glenelg Tuff
- Koolpin Formation
- Widman Silstone

**MT. PARTRIDGE GROUP**

- Basic intrusives
- Siltstone greywacke
- Mudstone - greywacke turbiditic
- Siliceous tuffaceous sediments
- Mudstones, ironstones
- Phyllite siltstone

**Geology continued**

**UNCONFORMITY**

**SYMBOLS**

Geological boundary

- Fault
- Fault, colored
- Anticline
- Syncline
- Strike zone
- Vegetation, sparse, penguin/quartz
- Barren
- Change
- Joint
- Unconformity
- Boundary
- Contour

**Symbols continued**

Atypical workings

- Mine workings - abandoned
- N.L. - gold (U) - copper, Sh - tin
- Drainage
- Swamp
- Road track
- Building
- Triangulation station
- Elevation in metres
- Dam
- Aerial photo centre
- Trend lines
- Lineaments
- DDH
- Diamond drillholes

**BAN BAN SOUTH**

1:25,000

True North

ANG NN

1:25,000

0 1.0 2.0

Metres

Kilometres

**DOMINION MINING LIMITED**

PROJECT: **N.T. REGIONAL**

PROSPECT: **N.T.**

**BAN BAN SOUTH**

**Regional Fact Geology**

ORIGINATOR: M. Tisdell Date: Nov '99 SCALE: 1:25,000

REVISION 1: Date: Nov '99 DRAWN: E.M.S. PLATE NO: 1

REVISION 2: Date: Apr '00 PLAN NO: 1



Fact Geology

Sheet W.W. 02

0 200 400 600 800  
m

ORIGINATOR: S  
Date: Nov 90  
REVISION: R.L. Date: 5/91  
REVISION: S.P. Date: 4/92

SCALE: 1:10,000  
DRAWN: C.S.D.S. Date: 8/90  
PLATE NO: 2  
PLAN NO: 2D-6175

Legend

- Geological boundary
- Vertical strata
- Dip and strike
- Quartz vein orientation
- Vertical quartz vein orientation
- Cleavage
- Cleavage S
- Stockwork
- Outcrop
- Soil scree contact
- Boundary between transported and residual soil
- E.L. Boundary Area (unpublished)
- Creeks and drainage
- Highways and main roads
- Tracks
- Railway
- Bridge
- Gutting
- Embankment
- Quartz outcrop
- Swamp
- Fence
- Fault

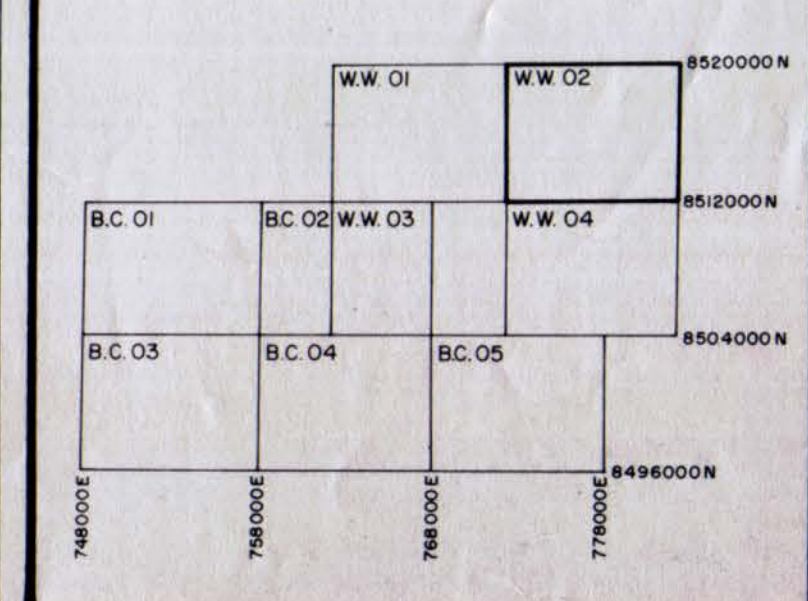
Abbreviations

- Alv Alluvial
- Bx Breccia
- E with
- Smd carbonaceous mudstone
- Clv Colluvium
- Cu Copper
- Fe ferruginous
- go gossanous
- gr grey
- kn knotted
- mass massive
- mr minor
- phyl phyllite
- Psg Gneiss Tuff
- Psk Koolpin Formation
- Qz Quartz
- scr scree
- sgw Greywacke
- Smd Mudstone
- sg bedding
- Ssl Siltstone
- str string
- stak stockwork
- su sulphide
- If tuffaceous
- Tmb Tombstone
- tn thin
- trans transported
- v very
- Vsl Dolerite

Legend (continued)

- Soil sample (Au, ppm)
- ✱ Soil sample (Au, below detection limit)
- Rock chip sample
- RAB Drill hole location

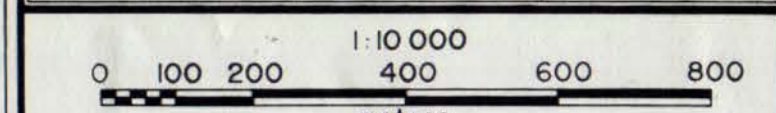
Sheet Index





# FACT GEOLOGY AND GEOCHEMISTRY

Sheet W.W.04



ORIGINATOR: S. Poole

Date: Apr. 91

REVISION: R.L. Date: 3/92

PLAN No: 2D-G177

## Legend

- Geological boundary
- Vertical strata
- Dip and strike
- Quartz vein orientation
- Vertical quartz vein orientation
- Cleavage
- Cleavage S
- Stockwork
- Outcrop
- Soil/scree contact
- Boundary between transported and residual soil
- EL Boundary
- Area relinquished
- Creeks and drainage
- Highways and main roads
- Tracks
- Railway
- Bridge
- Cutting
- Embankment
- Quartz outcrop
- Swamp
- Fence
- Fault

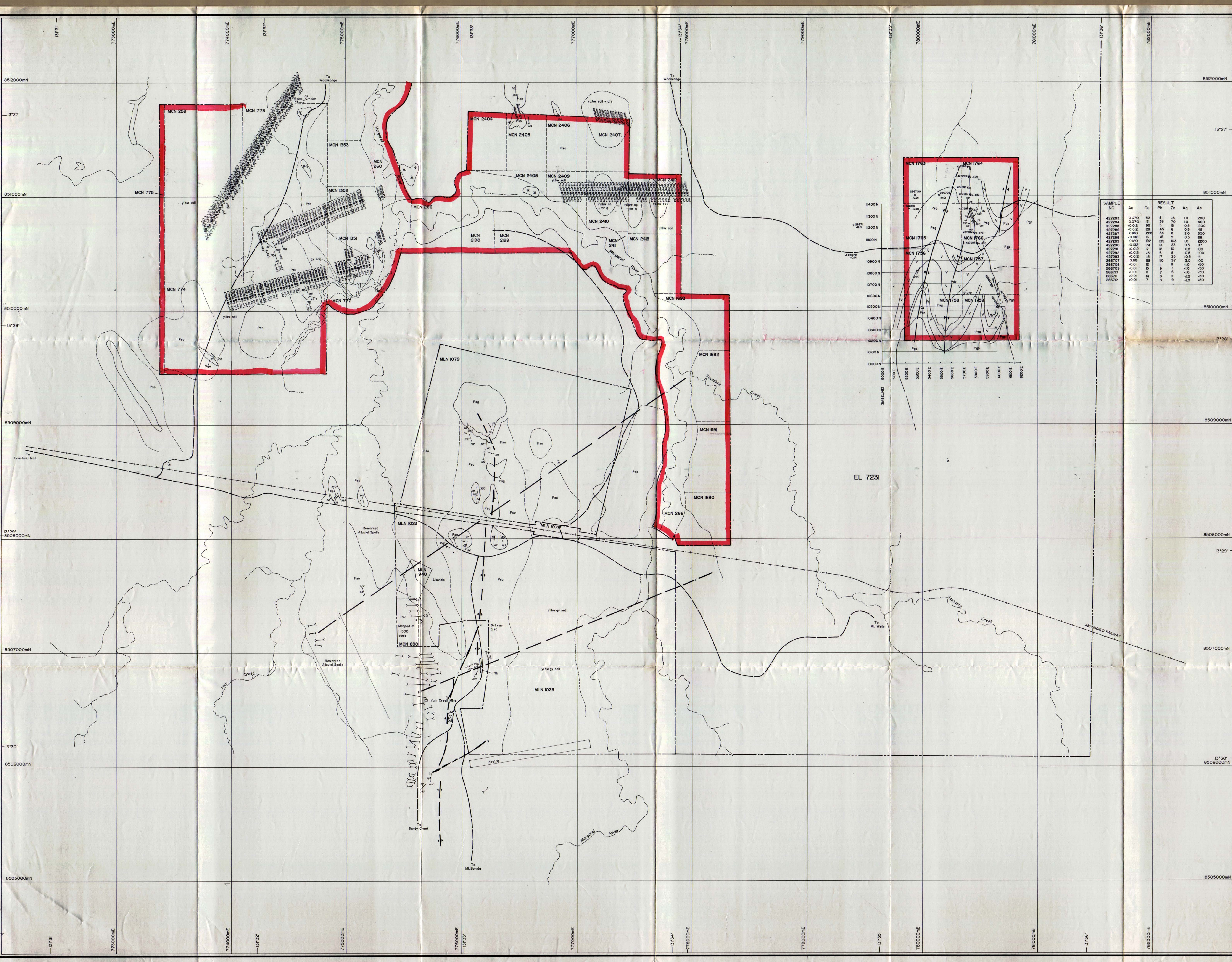
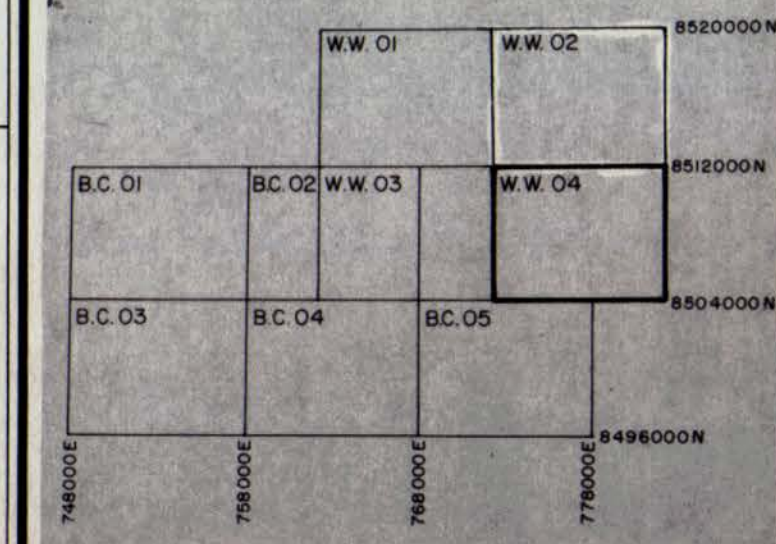
## Abbreviations

- Ala Alluvial
- Bx Breccia
- W with
- cSmd carbonaceous mudstone
- Clv Colluvium
- Cu Copper
- fe ferruginous
- go gossanous
- gr grey
- knt knotted
- mass massive
- mr minor
- phyl phyllite
- Pag Gersale Tuff
- Pak Koolpin Formation
- Qz Quartz
- sc scree
- Sgw Greywacke
- Smd Mudstone
- Ss bedding
- Sst Siltstone
- str string
- stwk stockwork
- su sulphide
- lt lutaceous
- Tmb Tambora
- trn thin
- trans transported
- v very
- vd Dolerite
- x cross (bedding)
- ybw yellow-brown
- || parallel

## Legend (continued)

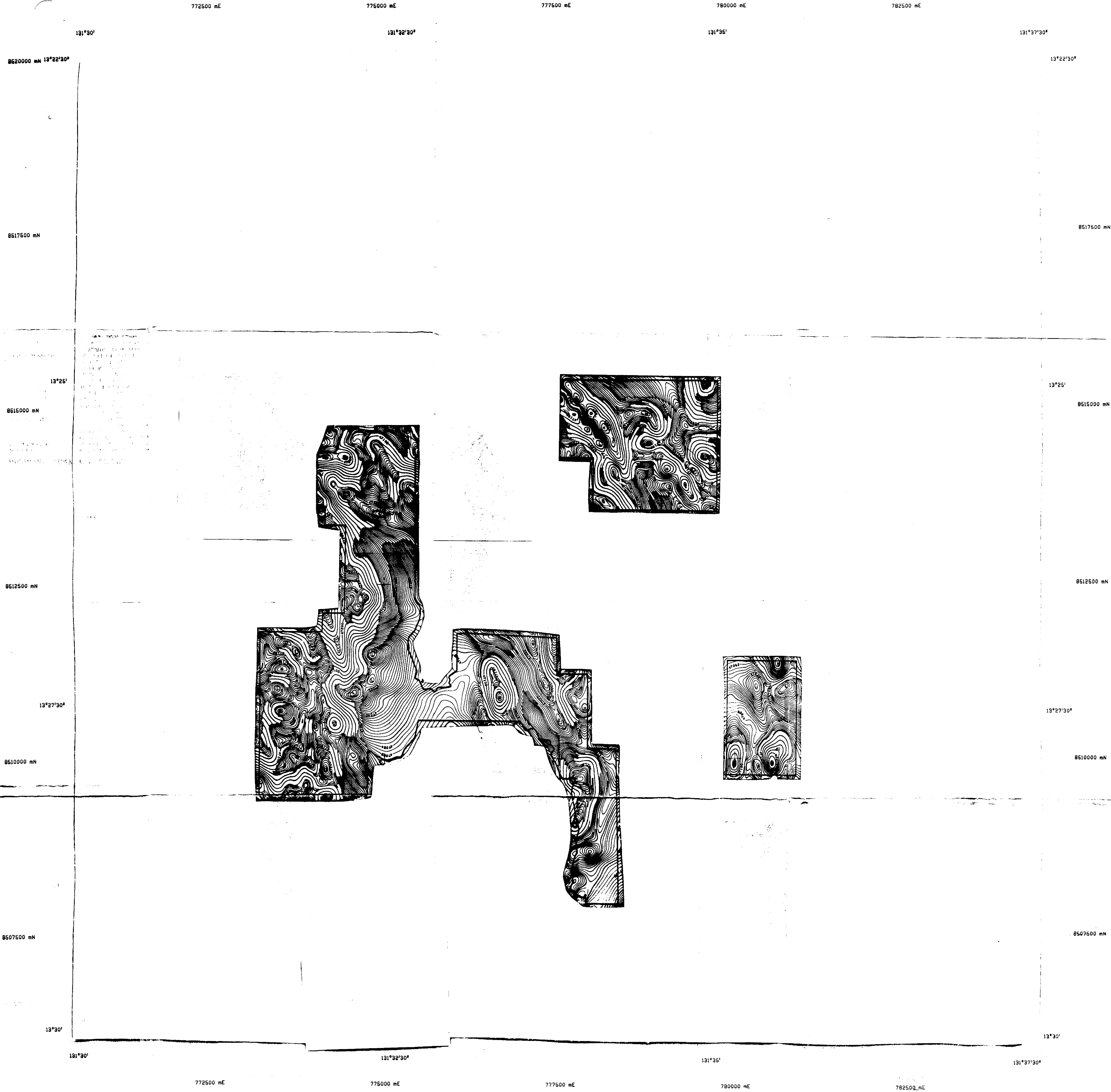
- 170003 M. 007 Soil sample
- 400008 OX Log/scree sample
- a Rock chip sample
- o RAB hole
- Ground magnetic survey

## Sheet Index





CR03/179



**AIRBORNE SURVEY SPECIFICATIONS**

**AIRCRAFT**  
MAGNETOMETER  
SPECTROMETER

ROCKWELL SHARK COMMANDER 500S.  
SCINTREX V201 SPLIT BEAM CESIUM VAPOUR.  
RESOLUTION: 0.04 nanoTesla.  
CYCLE RATE: 0.2 second.  
SAMPLE INTERVAL: 14 metres.  
SSS CHANNEL GEOMETRICS EXPLORATION CR800B.  
Processed channels:  
Total Count 0.40 - 3.01 MeV  
K<sub>α</sub> 1.37 - 1.55 MeV  
K<sub>β</sub> 1.57 - 1.85 MeV  
T<sub>1/2</sub> 2.41 - 2.80 MeV  
Cosmic 3.02 - 5.00 MeV  
VOLUME: 33.58 litres.  
CYCLE RATE: 1.0 second.  
SAMPLE INTERVAL: 70 metres.  
HEWLETT PACKARD 8000 SERIES COMPUTER.  
AERODATA DIGITAL ACQUISITION SYSTEM.  
Traverse lines: 200 metres.  
Tie lines: 5000 metres.  
Traverse lines: 090-270 degrees.  
Tie lines: 180-360 degrees.  
70 metres - mean terrain clearance.  
SYLEDIS UHF positioning system.

**DATA ACQUISITION**  
**FLIGHT LINE SPACING**  
**FLIGHT LINE DIRECTION**  
**SURVEY HEIGHT**  
**NAVIGATION**

**REFERENCE**

CONTOUR INTERVAL: 2 nanoTesla

The magnetic data has had the gradient due to the I.C.R.F. model 1985 and secular variation model 1985-1990 removed and has been adjusted for diurnal variation to a constant base value.

Data has been corrected for a system parallel of 1 fiducial and gridded using a 70 metre grid cell.

**CLIENT: DOMINION MINING LIMITED**

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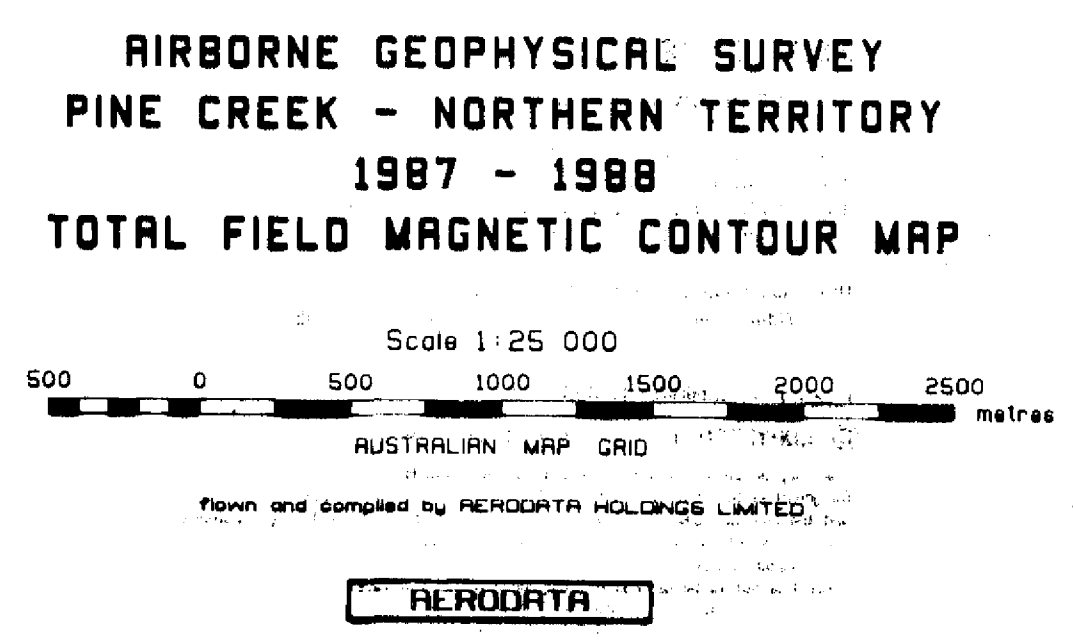
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1:25000 SHEET INDEX

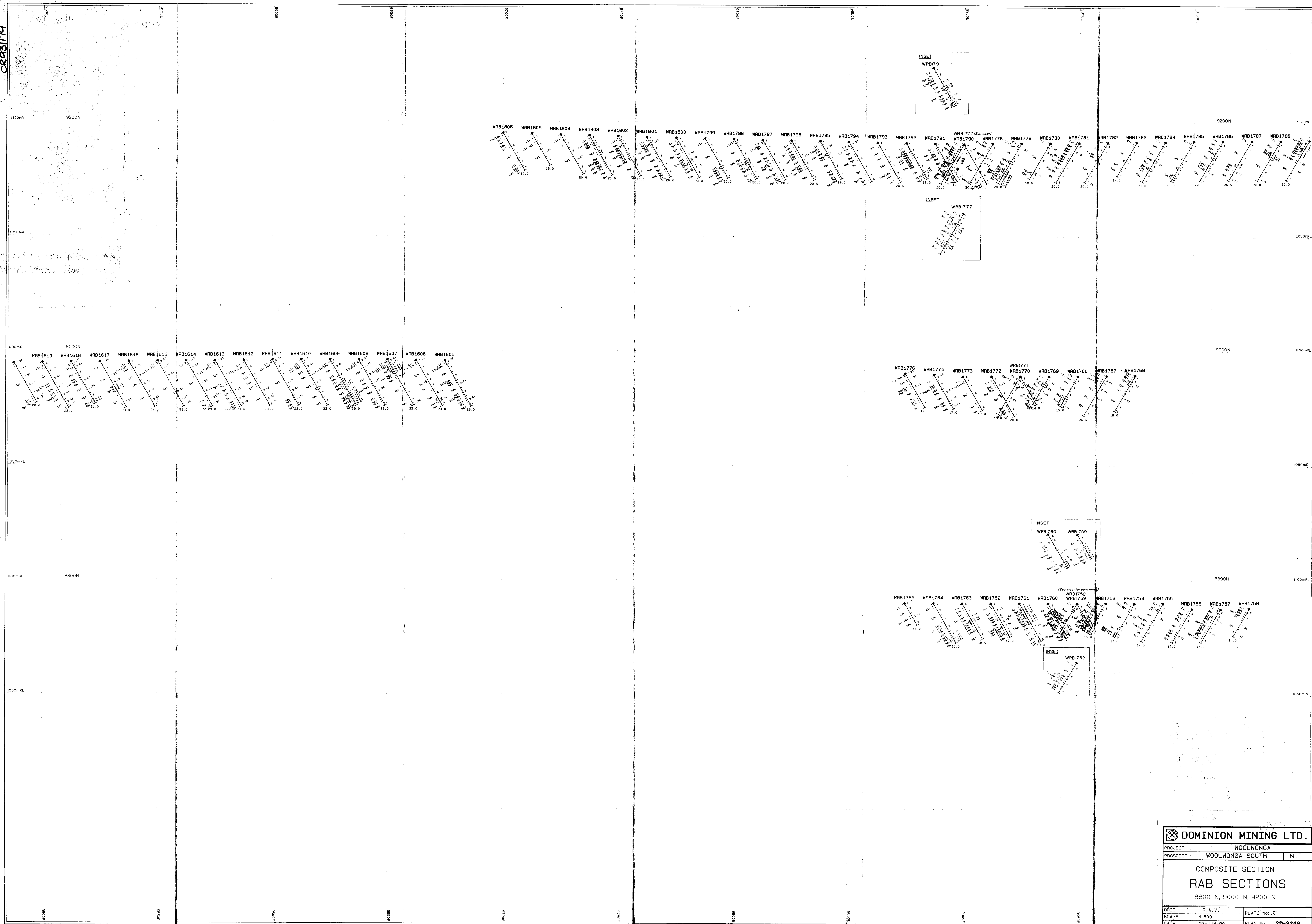
|               |                |                |
|---------------|----------------|----------------|
| S171<br>II-NE | S271<br>III-NW | S271<br>III-NE |
| S171<br>II-SE | S271<br>III-SW | S271<br>III-SE |
| S170<br>I-NE  | S270<br>IV-NW  | S270<br>IV-NE  |

MCKINLAY RIVER S271-III-SW

|                                         |                 |
|-----------------------------------------|-----------------|
| <b>DOMINION MINING LIMITED</b>          |                 |
| PROJECT: <b>WOOLWONGA SOUTH</b>         |                 |
| PROSPECT:                               | <b>N.T.</b>     |
| <b>AIRBORNE MAGNETICS AND TENEMENTS</b> |                 |
| 0 500 1000 1500 2000m                   |                 |
| ORIGINATOR:                             | SCALE: 1:25 000 |
| Date:                                   | DRAWN:          |
| PLATE NO: 4                             | PLAN NO: 2D-P2  |

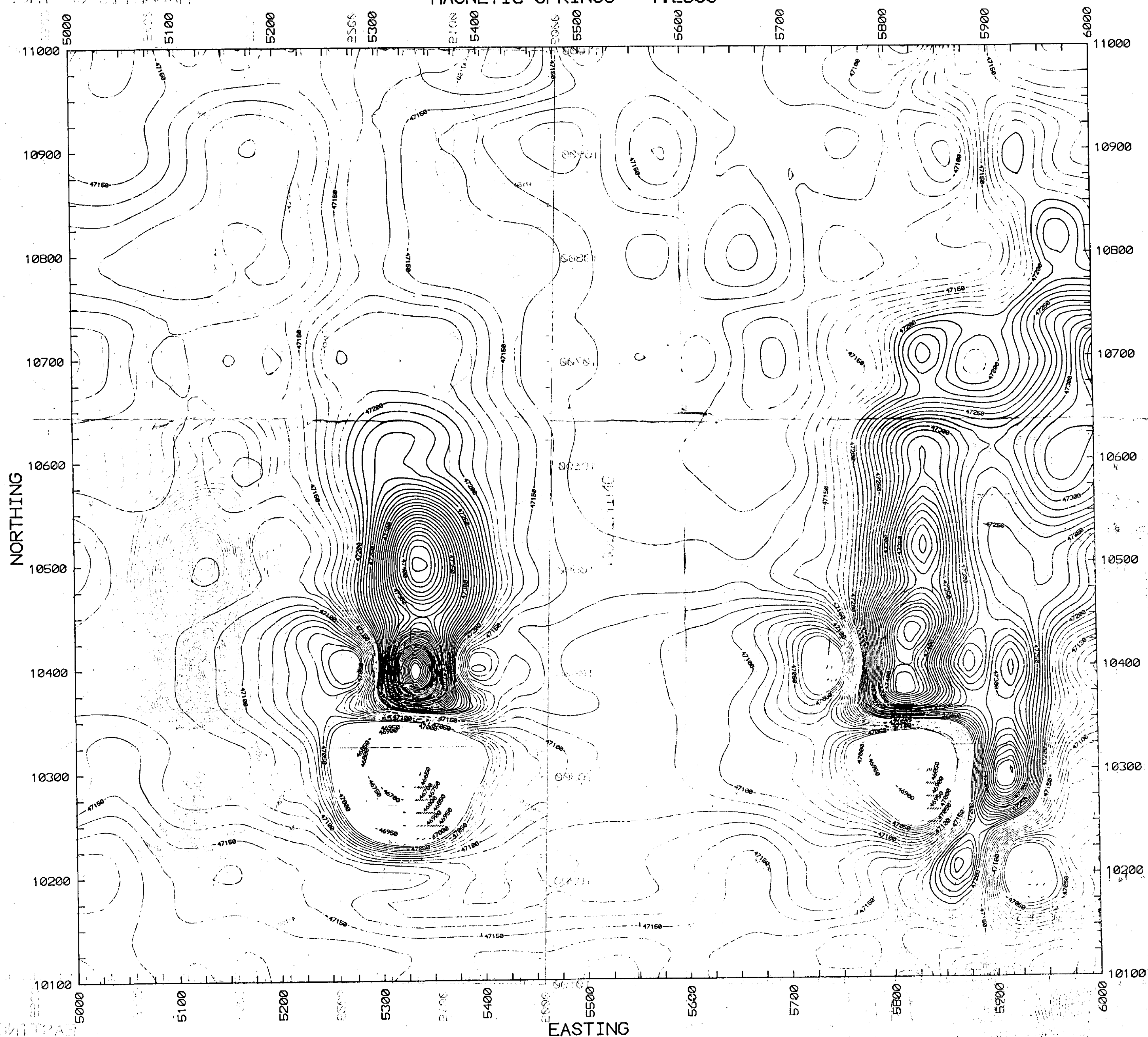


CR93/179





GROUND MAGNETIC CONTOUR PLAN  
MAGNETIC SPRINGS 1:2500



GROUND MAGNETIC CONTOUR PLAN  
MAGNETIC SPRINGS 1:2500