

CRA EXPLORATION PTY. LIMITED

EL 8116 JERVOIS RANGE

First and Final Report for Period Ending 10 May 1994

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Map Reference: Huckitta SF 53-11

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CR 94/588

## CONTENTS

|                     | Page No. |
|---------------------|----------|
| 1. SUMMARY          | 1        |
| 2. CONCLUSIONS      | 1        |
| 3. INTRODUCTION     | 1        |
| 4. REGIONAL GEOLOGY | 2        |
| 5. WORK UNDERTAKEN  | 3        |
| 5.1 GEOPHYSICS      | 3        |
| 5.2 GEOCHEMISTRY    | 3        |
| 5.3 GEOLOGY         | 3        |
| 5.4 DRILLING        | 3        |
| 5.5 REHABILITATION  | 4        |
| 6. REFERENCES       | 4        |
| 7. KEYWORDS         | 4        |
| 8. LOCATION         | 4        |
| 9. LIST OF DPO's    | 5        |
| 10. LIST OF PLANS   | 5        |

|  | No.of<br>Pages |
|--|----------------|
| APPENDIX I Lithological codes for the southern Georgina Basin                          | 7              |
| APPENDIX II EL 8116 Jervois Range<br>Rock sample Ledger and Assay Results              | 8              |
| APPENDIX III EL 8116 Jervois Range<br>Percussion Drill Sample Ledger and Assay Results | 14             |
| APPENDIX IV EL 8116 Jervois Range<br>Patanella Prospect<br>Rehabilitation Photographs. | 4              |

## 1. SUMMARY

EL 8116 Jervois Range comprising 130 blocks was granted to CRA Exploration Pty. Limited (CRAE) on the 12 May 1993 for six years. The exploration licence is situated on the southern margin of the Georgina Basin, encompassing Middle Proterozoic to Middle Cambrian sequences, considered prospective for unconformity hosted Cu-U-phosphate mineralisation. During the period of tenure the following exploration programmes were undertaken:

- Airborne radiometric and TM Imagery data acquisition, processing and interpretation.
- Collection and multi-element analysis of 42 reconnaissance rock chip samples.
- Geological mapping and air photo interpretation at Patanella Prospect.
- Drilling of 6 scout percussion holes (aggregate meterage of 530 m) 500 metres apart.
- Multi-element analysis of percussion drill samples.

## 2. CONCLUSIONS

- Airborne radiometric and TM anomalies delineate the phosphatic, organic-rich Arthur Creek Formation/Mount Baldwin Formation Middle Cambrian disconformity. This area is referred to as the Patanella Prospect.
- Reconnaissance rock chip sampling of the phosphatic Middle Cambrian disconformity surface reported assay values of up to 2.08% Cu, 100 ppm U and 11.4% P.
- Wide spaced scout drill testing of the gently dipping disconformity surface returned no significant assay values.
- A 10-15 metre thick calcareous unit, weakly anomalous in Zn (up to 520 ppm), delineates the base of the Arthur Creek Formation.
- The Mount Baldwin Formation is characterised by low order basemetal values and has limited potential for stratabound Cu mineralisation.

Drill testing at the Patanella Prospect failed to suggest the presence of substantive zones of disconformity hosted Cu-U phosphate mineralisation. In view of the discouraging results and perceived limited target potential, the tenement was surrendered on 11 May 1994.

## 3. INTRODUCTION

EL 8116 Jervois Range comprising 130 blocks, was granted to CRAE on 12 May 1993 for six years (Plan NTd 5741).

EL 8116 Jervois Range, is located approximately 270 km north-east of Alice Springs within the Huckitta SF53-11 map sheet. Vehicular access is via the Plenty Highway and a Jervois Station track north of Biakal.

CRAE applied for EL 8116 to prospect for redox-style Cu-U-phosphate mineralisation at the Middle Cambrian Arthur Creek Formation/Mount Baldwin Formation disconformity.

During the period of tenure the following work programmes were undertaken:

- Airborne radiometric and TM imagery acquisition, processing and interpretation.
- Reconnaissance rockchip sampling and multi-element analysis of the Middle Cambrian disconformity at the Patanella Prospect.
- Geological mapping and air photo interpretation of the Patanella Prospect.
- A six drill hole (530 metre aggregate), reconnaissance percussion drill programme to test for redox-style Cu-U-phosphate mineralisation.

This report documents all exploration activities undertaken across EL 8116 Jervois Range during the period of tenure.

#### 4. REGIONAL GEOLOGY

The exploration licence is situated on the southern margin of the Georgina Basin constrained between the NW trending Bonya and Lucy Creek Faults.

In the southern portion of the exploration licence the Early Proterozoic crystalline metamorphic Arunta Complex crops out forming the basement to the Georgina Basin (Freeman, 1986).

The Arunta Complex is unconformably overlain by the Elyuah, Grants Bluff and Elkera Formations of the Mopunga Group. The Elyuah Formation consists of well laminated green, grey or dusky red shales and may exhibit a thin basal conglomerate (Freeman, 1986). The Elyuah Formation is gradationally overlain by a fine-grained, orange-brown quartz arenite of the Grants Bluff Formation. Overlying the Grants Bluff Formation are red-brown siltstones and medium-grained sandstones of the Elkera Formation. This formation is capped by a distinctive stromatolitic dolostone horizon.

In the central portion of EL 8116 the Early Cambrian Mount Baldwin Formation sandstone disconformably overlies the Mopunga Group. The Mount Baldwin Formation consists of reddish/brown, medium to coarse grained, sandstone and minor interbedded siltstone. The sandstone is cemented by silica and hematite; feldspar and glauconite are often abundant.

The NW dipping Arthur Creek Formation consists of three units: a basal shoal (locally phosphatic); a middle organic-rich calcareous and dolomitic siltstone; and an upper limestone and dolomitic sandstone. Outcrop of the Arthur Creek Formation often occurs as yellow to orange cherty rubble, derived from silicified dolomitic and calcareous siltstone.

The Arrinthrunga Formation conformably overlies the Arthur Creek Formation in the north-western portion of EL 8116. This formation consists of a sequence of dolostone and limestone with minor siliclastics.

The prominent ridges throughout the exploration licence are invariably capped by Tertiary silcrete and ferricrete deposits.

## 5. WORK UNDERTAKEN

### 5.1 GEOPHYSICS

Airborne radiometric data and TM Imagery was acquired and processed. Interpretation of this data revealed a coincident radiometric/TM anomaly (Total Counts = 2 x b.g.) along a NW trending fault that dissects the Middle Cambrian Arthur Creek/Mount Baldwin Formation disconformity in the centre of the EL.

### 5.2 GEOCHEMISTRY

42 reconnaissance rockchip samples were collected within EL 8116. Rockchip samples were submitted to Analabs, Perth for assay for Ag, As, Au, B, Ba, Bi, Cd, Ce, Co, Cr, Cu, Dy, Er, Eu, F, Fe, Gd, Ho, La, Lu, Mn, Mo, Nd, Ni, P, Pb, Pd, Pr, Pt, Sm, Sr, Ta, Tb, Tm, Th, U, V, W, Zn, Y, and Yb.

In an area called the Patanella Prospect, a 4 km strike length of turquoise mineralisation was recognised along the Middle Cambrian Arthur Creek/Mount Baldwin Formation disconformity. Assay results from rockchip samples collected along the disconformity revealed values of up to 2.08% Cu, 0.24% Zn, 100 ppm U, 11.4% P, 1.66% Fe and 98 ppm Mn. Assay results appear in Appendix II whilst locations are shown in Plan NTd 5756.

### 5.3 GEOLOGY

Geological mapping and air photo interpretation of the Patanella Prospect area was undertaken. Mapping confirmed the Middle Cambrian disconformity has a dip of approximately 10° NW and is cut by a NW trending fault.

### 5.4 DRILLING

Exploration in EL 8116 culminated with the drilling of six scout percussion holes (aggregate of 530 metres) spaced approximately 500 metres apart (Plan NTd 5811). These holes were drilled to test the presence of Cu-U-phosphate mineralisation at depth along the gently NW dipping disconformity surface, and within the underlying Mount Baldwin Formation sandstone.

Five drill holes (PD94JR02-06) intersected the unconformity surface and were terminated in the underlying Mount Baldwin Formation sandstone (Plan NTd 6032). No primary nor secondary copper mineralisation was recognised in drill chips.

Representative percussion chip samples were collected every metre and retained for reference. One metre samples were then composited to a five metre interval and submitted to Australian Laboratories Services, Alice Springs for assay for Ag, As, Bi, Ca, Cd, Co, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, and Zn by ICP, and Th, U by XRF analysis.

Assay results were low with Cu values at the unconformity surface not exceeding 68 ppm over a 5 metre interval in PD94JR05 (U was below detection for the same interval). A 10-15 metre thick calcareous unit, weakly anomalous in Zn (up to 520 ppm), delineates the base of the Arthur Creek Formation in PD94JR02 at 60 m depth. The Mount Baldwin Formation is characterised by low order basemetal values with limited potential for stratabound Cu mineralisation. Assay results appear in Appendix III.

## 5.5 REHABILITATION

Drill-rig and vehicular access to Patanella Prospect involved constructing an 8 km track, using a grader with blade-up techniques, east of Eurolley Bore. All drill sites were on this track and no further disturbance was needed.

Upon completion of drilling at Patanella Prospect all holes were capped 30 cm below the surface with cement and drill sites were cleaned. Drill sites and the access track was then harrowed to promote regrowth.

Photographs demonstrating the level of disturbance and the subsequent rehabilitation completed appear in Appendix IV.

## 6. REFERENCES

Freeman, M.J., (1986) Explanatory Notes 1:250,000 Geological Map Series Huckitta, SF53-11, NT Geological Survey.

## 7. KEYWORDS

Copper, Geochem-rock, Geochem-drill chips, Geological mapping, percussion drilling, Arthur Creek Formation, Mount Baldwin Formation, Georgina Basin, Middle Cambrian, Phosphate, Uranium, Thematic Mapper, Airphoto-Interp, Radiometric Anomaly

## 8. LOCATION

Huckitta 1:250,000 Mapsheet SF 53-11  
Jervois Range 1:100,000 Mapsheet 6152

9. LIST OF DPO's

49127, 67320, 67321, 67324

10. LIST OF PLANS

| <u>Plan</u> | <u>Title</u>  | <u>Scale</u> |
|-------------|---|--------------|
| NTd 5741    | EL 8116 Jervois Range<br>Location Plan  | 1:250,000    |
| NTd 5765    | EL 8116 Jervois Range<br>Rockchip sample location Plan  | 1:100,000    |
| NTd 5811    | EL 8116 Jervois Range<br>Patanella Prospect<br>Geology and Drillhole Location Plan                                    | 1:10,000     |
| NTd 6032    | EL 8116 Jervois Range<br>Patanella Prospect<br>PD94JR01-06 Drillhole section<br>Geology hatch, Cu ppm (L) & U ppm (R) | 1:10000      |



APPENDIX I

EL 8116 JERVOIS RANGE

**Lithological Codes for the Southern Georgina Basin**

## NORTHERN TERRITORY

### AREAS OF INVESTIGATION COMPUTER CODES

| <b>CODE</b> | <b>AREA OF INVESTIGATION</b> |
|-------------|------------------------------|
| A           | Amadeus Basin                |
| B           | Nanambu Complex              |
| C           | Tennant Creek Inlier         |
| D           | Davenport Province           |
| E           | Eromanga Basin               |
| F           |                              |
| G           | Georgina Basin               |
| H           | Lawn Hill Platform           |
| I           | Ngalia Basin                 |
| J           | Rum Jungle Basin             |
| K           |                              |
| L           | Litchfield Block             |
| M           | McArthur Basin               |
| N           | Nicholson Basin              |
| O           |                              |
| P           | Pine Creek Inlier            |
| Q           |                              |
| R           | Dunmarra Basin               |
| S           | Musgrave Block               |
| T           | Granites - Tanami Block      |
| U           | Murphy Inlier                |
| V           | Victoria River Basin         |
| W           | Ord - Wiso - Daly Basin      |
| X           | Arunta Block                 |
| Y           |                              |
| Z           | Birrindudu Basin             |

## ROCK UNITS

### SURFICIAL

|     |  |
|-----|--|
| Q   | undiff. transported cover                            |
| Qa  | alluvium   |
| Qs  | sand   |
| Qc  | clay   |
| Qg  | gravel/talus   |
| Qh  | soil/loam  |
| Qm  | colluvium  |
| Ql  | reworked laterite/laterite gravel, pisolite          |
| Czl | undiff. insitu laterite                              |
| Czp | pisolitic laterite                                   |
| Czu | vermiform laterite                                   |
| Czg | gossan   |
| Czr | siliceous cap rock - lithology specific              |
| Czs | silicrete  |
| Czc | clay (insitu. no texture)                            |
| Czo | deeply weathered bedrock/saprolite (with texture)    |
| Czt | mottled clay   |
| Cze | evaporite  |
| Czm | magnesite  |
| Cza | calcrete   |
| Css | sandstone, argillite (Cainozoic age, deep lead etc.) |
| Csm | massive Mn oxides                                    |
| Csf | Ferruginous cap rock - lithology specific            |
| Czf | ironstone  |
| Czb | black soil   |

### GEORGINA BASIN (G)

#### PALAEOZOIC - CAMBRIAN (C)

|      |  |
|------|--|
| GCAd | Arinthrunga Formation (R), dolomite.   |
| GCCa | Chabalowe Formation (C), arenite.      |
| GCAs | Arthur Creek Formation (A), siltstone. |
| GCEd | Errara Formation (E), dolomite.        |
| GCBa | Mount Baldwin Formation (B), arenite.  |

**PROTEROZOIC (P)**

**MOPUNGA GROUP (M)**

GPMKs Elkeru Formation (K), siltstone.

GPMGa Grants Bluff Formation (G), arenite.

GPMEs Elyuah Formation (E), siltstone.

**KEEPERA GROUP (K)**

GPKOa Oorabra Arkose(O), arenite

## TEXTURE

|     |                          |     |                          |
|-----|--------------------------|-----|--------------------------|
| /an | Anhedral                 | /pi | Pillowed                 |
| /ah | Aphanitic                | /ps | Pisolitic/               |
| /ap | Aplitic                  | /pr | Porphyritic              |
| /ag | Agglomeratic             | /pb | Porphyroblastic          |
| /bd | Banded                   | /ra | Radiating                |
| /be | Bedded                   | /rl | Roundness - very angular |
| /bd | Bladed                   | /r2 | Roundness - angular      |
| /bk | Blocky                   | /r3 | Roundness - sub angular  |
| /bo | Botryoidal               | /r4 | Roundness - sub rounded  |
| /bx | Brecciated               | /r5 | Roundness - rounded      |
| /cl | Cataclastic              | /r6 | Roundness - very rounded |
| /cs | Clast Supported          | /sc | Schistose                |
| /ct | Clastic                  | /sh | Sheared                  |
| /cm | Compact                  | /sb | Slabby                   |
| /cn | Conchoidal               | /sl | Slatey                   |
| /cr | Crenulated/Folded        | /sk | Slickensides             |
| /xl | Cross Bedded             | /st | Stomatic                 |
| /co | Conglomeratic            | /sr | Stromatolitic            |
| /el | Elongated                | /sy | Styloitic                |
| /eg | Equigranular             | /sl | Sorting - very well      |
| /eu | Euhedral                 | /s2 | Sorting - well           |
| /fr | Fractured                | /s3 | Sorting - moderate       |
| /fs | Fissile                  | /s4 | Sorting - poor           |
| /fy | Flaggy                   | /s5 | Sorting - very poor      |
| /fu | Fluidal                  | /su | Subhedral                |
| /fi | Fraible                  | /tb | Tabular                  |
| /ge | Gneissic                 | /ef | Uniform Texture          |
| /gd | Graded Bedded            | /va | Variolitic               |
| /go | Gossanous (Box Works)    | /vv | Varved                   |
| /gt | Granitic                 | /vn | Veined                   |
| /gb | Granoblastic             | /we | Weathered                |
| /gy | Greasy                   | /vu | Vuggy                    |
| /ht | Heterogeneous            | /sa | Sandy                    |
| /ho | Homogeneous              | /fg | Fine Grained             |
| /iq | Inequigranular           | /mg | Medium Grained           |
| /ib | Interbedded/Interstitial | /cg | Coarse Grained           |
| /la | Lapilli                  | /am | Amygdaloidal             |
| /lm | Laminated                | /ve | Vesicular                |
| /ln | Lenticular               | /gl | Glassy                   |
| /ll | Lit-par-lit              | /oo | Oolitic                  |

|     |                     |     |                     |
|-----|---------------------|-----|---------------------|
| /lt | Lithic              | /ds | Dessicated          |
| /ma | Massive             | /in | Intraclastic        |
| /ms | Matrix Supported    | /ri | Ripple-marked       |
| /mm | Migmatitic          | /cy | Cryptocrystalline   |
| /my | Mylonitic           | /tu | Tuffaceous          |
| /nb | Nebulitic           | /sp | Spherulitic         |
| /np | Not Preserved       | /ev | Evaporitic          |
| /nd | Nodular             | /cu | Cauliflower 'Chert' |
| /ov | Ovoid               | /di | Disseminated        |
| /pp | Partially Preserved | /Ps | Pseudomorphs        |
| /pe | Pegmatitic          | /pt | Pepperite           |

MINERALS

Alteration/Diagnostic Minerals

|    |                      |    |                    |
|----|----------------------|----|--------------------|
| Ac | Actinolite           | Hs | Hematite, Specular |
| Am | Amphibole, undiff.   | Hb | Hornblende         |
| Aa | Andalusite           |    |                    |
| Ak | Ankerite             | Ka | Kasolite           |
| Al | Aluminous, undiff.   | Kf | K-spar             |
| Ay | Anthophyllite        | Ko | Kaolinite          |
| An | Anhydrite            | Ky | Kyanite            |
| At | Apatite              |    |                    |
| As | Arsenopyrite         | Li | Limonite           |
| Ab | Asbestos             | Ln | Linnaeite          |
| Az | Azurite              |    |                    |
| An | Anhydrite            | Mf | Mafic Minerals     |
|    |                      | Ml | Malachite          |
| Ba | Barite               | Mt | Magnetite          |
| Bt | Biotite              | Mn | Manganese Minerals |
| Bi | Bismuth/Bismuthinite | Mi | Mica, undiff.      |
| Bm | Black Mineral        | Mo | Molybdenite        |
| Br | Bornite              | Mu | Muscovite          |
|    |                      |    |                    |
| Cz | Calcite              | Ph | Phosphate          |
| Ca | Carbonate            | Pi | Pitchblende        |
| Cc | Chalcocite           | Py | Pyrite             |
| Ce | Celadonite           | Px | Pyroxene           |
| Cp | Chalcopyrite         | Po | Pyrrhotite         |
| Ch | Chert                |    |                    |

|    |                |    |                              |
|----|----------------|----|------------------------------|
| Cl | Chlorite       | Qz | Quartz                       |
| Cy | Clay/Mud       | Qc | Quartz Carbonate             |
| Cf | Coffinite      | Qt | Quartz Tourmaline            |
| Co | Covellite      | Qf | Quartzofeldspathic           |
|    |                | Qv | Quartz Vein                  |
| Di | Diopside       |    |                              |
| Do | Dolomite       | Rh | Rhodochrosite                |
| Dv | Dravite        |    |                              |
|    |                | Sa | Saussurite                   |
| Ep | Epidote        | Se | Sericite                     |
|    |                | Sp | Sphalerite                   |
| Fe | Feldspar       | Sl | Siliceous                    |
| Fu | Fuchsite       | Si | Sillimanite                  |
|    |                | Sd | Siderite                     |
| Ga | Garnet         | St | Serpentinite                 |
| Gl | Galena         | Su | Sulphides, undiff.           |
| Go | Goethite       | Sg | Seigenite                    |
| Gy | Gypsum         |    |                              |
| Au | Gold           | Ta | Talc                         |
| Gf | Graphite       | To | Tourmaline                   |
| Gu | Grunerite      | Tr | Tremolite                    |
| Gt | Glauconite     | Tb | Torbenite                    |
|    |                |    |                              |
| Ha | Halite         | Up | Uranophane                   |
| Hm | Heavy Minerals | Ur | Uraninite                    |
| He | Hematite       | Us | Uranium (Secondary Minerals) |

### **SAMPLE TYPE**

|              |                     |
|--------------|---------------------|
| PD           | Percussion Chips    |
| RK           | Rockchip            |
| AU           | Auger               |
| RAB          | RAB                 |
| RC           | RC Percussion Chips |
| DD           | Diamond Core        |
| -20# +40# SL | -20# +40# Soil      |
| -40# +60# SL | -40# +60# Soil      |
| -60# +80# SL | -60# +80# Soil      |

|              |                                     |
|--------------|-------------------------------------|
| -80# SL      | -80# Soil                           |
| -20# +40# SS | -20# +40# Stream Sediment           |
| -40# +60# SS | -40# +60# Stream Sediment           |
| -60# +80# SS | -60# +80# Stream Sediment           |
| -80# SS      | -80# Stream Sediment                |
| -40# GC      | -40# HMC Gravel Sample              |
| -4mm +2mm LG | -4mm +2mm Lag (geochem)             |
| LM           | Loam Sample (heavy Min. Indicators) |
| TS           | Thin Section                        |
| PS           | Polished Section                    |
| CN           | CN Leach                            |

### COLOUR

|   |                 |
|---|-----------------|
| A | Banded variable |
| N | Black           |
| B | Brown           |
| U | Buff            |
| D | Dark            |
| V | Green           |
| G | Grey            |
| L | Light           |
| M | Mottled         |
| O | Orange          |
| K | Pink            |
| P | Purple          |
| R | Red             |
| W | White           |
| Y | Yellow          |
| E | Blue            |



APPENDIX II

EL 8116 JERVOIS RANGE

**Rock Sample Ledger and Assay Results**

**CRA EXPLORATION PTY LIMITED  
ROCK SAMPLE LEDGER**

| <b>SAMPLE NO</b> | <b>DPO</b> | <b>EAST</b> | <b>NORTH</b> | <b>LITH</b> | <b>DESCRIPTION</b>  |
|------------------|------------|-------------|--------------|-------------|---|
| 2738051          | 67320      | 638086      | 7504216      | GPMKs       | Silicic fault breccia at contact of Adelaidean and Cambrian |
| 2738052          | 67320      | 638266      | 7504096      | GCAs        | Ironstone in fault zone                                     |
| 2738053          | 67320      | 640216      | 7504276      | GCAs        | Ironstone breccia   |
| 2738054          | 67320      | 640126      | 7504276      | GCAs        | Silicified stromatolitic dolostone                          |
| 2738055          | 67320      | 639886      | 7504276      | GCAs        | Silicified stromatolitic dolostone                          |
| 2738056          | 67320      | 639556      | 7503556      | GCAs        | Silicified stromatolitic dolostone                          |
| 2738057          | 67320      | 638836      | 7507576      | GCAs        | Silicified stromatolitic dolostone                          |
| 2738058          | 67320      | 639166      | 7508686      | GCAs        |   |
| 2738059          | 67320      | 635086      | 7509976      | GCAs        | Ironstone and chert breccia                                 |
| 2738060          | 67320      | 635085      | 7509976      | GCAs        | Black stromatolitic chert                                   |
| 2738139          | 67321      | 628936      | 7503856      | GCAs        | Calcareous siltstone  |
| 2738140          | 67321      | 628936      | 7503858      | GCAs        | Ironstone, lateritic, on calcareous siltstone               |
| 2738141          | 67321      | 628786      | 7503976      | GCAs        | Chert and calcareous siltstone                              |
| 2738142          | 67321      | 627796      | 7504276      | GCAs        | calcareous siltstone  |
| 2738143          | 67321      | 627706      | 7502716      | GCAs        |   |
| 2738144          | 67321      | 627496      | 7502506      | GCAs        |   |
| 2738145          | 67321      | 627226      | 7501906      | GCAs        |   |
| 2738146          | 67321      | 627256      | 7501636      | GCAs        |   |
| 2738147          | 67321      | 626776      | 7501156      | GCAs        |   |
| 2738148          | 67321      | 627016      | 7501426      | GCAs        |   |
| 2738149          | 67321      | 626146      | 7501246      | GCAs        |   |
| 2738150          | 67321      | 626446      | 7501006      | GCAs        |   |
| 2738151          | 67321      | 626086      | 7500466      | GCAs        |   |
| 2738152          | 67321      | 625606      | 7500556      | GCAs        |   |
| 2738153          | 67321      | 625456      | 7500646      | GCAs        |   |
| 2738154          | 67321      | 625246      | 7500976      | GCAs        |   |
| 2738155          | 67321      | 625696      | 7500226      | GCBa        |   |
| 2738156          | 67321      | 626146      | 7500316      | GCAs        |   |
| 2738157          | 67321      | 624886      | 7500976      | GCAs        |   |
| 2738158          | 67321      | 625066      | 7501186      | GCAs        |   |
| 2738159          | 67321      | 618376      | 7499086      | GCAs        | Ironstone in fracture                                       |
| 2738160          | 67321      | 618226      | 7499026      | GCAs        | Laterite cap  |
| 2738161          | 67321      | 618346      | 7498936      | GCAs        | Calcareous siltstone  |
| 2738162          | 67321      | 618796      | 7498876      | GCAs        | Ironstone in fracture                                       |
| 2738163          | 67321      | 618796      | 7498876      | GCAs        | Ironstone in fracture                                       |

**CRA EXPLORATION PTY LIMITED  
ROCK SAMPLE LEDGER**

| <b>SAMPLE NO</b> | <b>DPO</b> | <b>EAST</b> | <b>NORTH</b> | <b>LITH</b> | <b>DESCRIPTION</b>                     |
|------------------|------------|-------------|--------------|-------------|--|
| 2738164          | 67321      | 618976      | 7498636      | GCAs        | Ironstone, silicified siltstone, chert |
| 2738165          | 67321      | 620866      | 7490536      | GCAs        | Ironstone in fault                     |
| 2738166          | 67321      | 620836      | 7490686      | GCAs        | Calcareous siltstone                   |
| 2738167          | 67321      | 620776      | 7490716      | GCAs        | ironstone, calcareous siltstone        |
| 2738206          | 67324      | 616731      | 7501024      | GCAs        | Ironstone                              |
| 2738209          | 67324      | 620518      | 7510227      | GCAs        | Ironstone and brecciated carbonate     |
| 2738210          | 67324      | 620518      | 7510081      | GCAs        |  |

**CRA EXPLORATION PTY LIMITED**  
**ROCK SAMPLE LEDGER**

| SAMPLE NO | LITH  | Ag ppm | As ppm | Au ppb | B ppm | Ba ppm | Bi ppm | Cd ppm | Ce ppm | Co ppm | Cr ppm | Cu ppm | Dy ppm | Er ppm | Eu ppm | F ppm | Fe %  |
|-----------|-------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 2738051   | GPMKs |        |        | .5     | 14    | 293    | .68    | .18    | 27.1   | 2      | 48     | 384    | 1.88   | .99    | .48    | 125   | 2.28  |
| 2738052   | GCAAs |        |        | .5     | 5     | 886    | .21    | .94    | 16.2   | 37     | 79     | 128    | 4.5    | 2.39   | .78    | 125   | 35.42 |
| 2738053   | GCAAs |        |        | .5     | 24    | 305    | .15    | .34    | 32.9   | 20     | 58     | 184    | 3.89   | 4      | .65    | 190   | 27.14 |
| 2738054   | GCAAs |        |        | .5     | 12    | 567    | .05    | .13    | 4      | 2      | 10     | 32     | .67    | .51    | .17    | 50    | 1.29  |
| 2738055   | GCAAs |        |        | .5     | 21    | 3182   | .05    | .05    | 8.9    | 5      | 20     | 13     | .85    | .59    | 1.07   | 50    | .93   |
| 2738056   | GCAAs |        |        | .5     | 11    | 1379   | .05    | .12    | 5.9    | 5      | 10     | 25     | .54    | .41    | .09    | 50    | .91   |
| 2738057   | GCAAs |        |        | .5     | 17    | 537    | .05    | .11    | 9.1    | 2      | 10     | 8      | 1.21   | .68    | .24    | 105   | .75   |
| 2738058   | GCAAs |        |        | .5     | 12    | 2641   | .05    | .19    | 19.1   | 66     | 33     | 130    | 3.1    | 5.49   | 1.1    | 210   | 13.71 |
| 2738059   | GCAAs |        |        | 20.9   | 20    | 958    | .11    | .45    | 7.3    | 34     | 10     | 200    | 1.57   | 3.69   | .17    | 230   | 12.32 |
| 2738060   | GCAAs |        |        | .5     | 21    | 50     | .05    | .05    | .8     | 2      | 10     | 17     | .36    | .39    | .025   | 50    | .75   |
| 2738139   | GCAAs | 0.25   | 2      | .5     | 41    | 1480   | .47    | .22    | 159    | 2      | 33     | 4      | 10.6   | 5.42   | 3.08   | 1100  | .77   |
| 2738140   | GCAAs | 0.25   | 14     | .5     | 20    | 357    | .45    | .29    | 88     | 8      | 317    | 48     | 7.08   | 2.92   | 2.39   | 550   | 31.2  |
| 2738141   | GCAAs | 0.25   | 2      | .5     | 27    | 2230   | .36    | .05    | 97.5   | 1      | 44     | 6      | 26.8   | 9.4    | 4.78   | 800   | .54   |
| 2738142   | GCAAs | 0.25   | 3      | .5     | 53    | 760    | .25    | .05    | 58     | 3      | 71     | 211    | 14.6   | 9.71   | 1.88   | 1300  | .81   |
| 2738143   | GCAAs | 0.25   | 130    | 1.15   | 16    | 910    | .28    | .84    | 80.9   | 11     | 266    | 970    | 11     | 7.68   | 2.84   | 5600  | 6.89  |
| 2738144   | GCAAs | 1      | 140    | 16.3   | 92    | 2600   | .18    | .83    | 20.6   | 24     | 205    | 422    | 16.4   | 46.1   | .95    | 3500  | 27.5  |
| 2738145   | GCAAs | 0.25   | 8      | .5     | 33    | 909    | .26    | .15    | 42.6   | 173    | 91     | 7500   | 17.6   | 16.9   | 1.39   | 6400  | 1.74  |
| 2738146   | GCAAs | 0.25   | 7      | .5     | 25    | 742    | .11    | .13    | 22.5   | 8      | 37     | 2200   | 4.06   | 9.93   | .46    | 5400  | .8    |
| 2738147   | GCAAs | 0.25   | 15     | .5     | 22    | 476    | .34    | 1.93   | 31     | 30     | 106    | 396    | 10.3   | 13.1   | .66    | 2900  | 33.1  |
| 2738148   | GCAAs | 0.25   | 10     | 1.87   | 22    | 218    | .24    | .05    | 38.2   | 1      | 72     | 133    | 15.6   | 20.6   | .66    | 4000  | 1.06  |
| 2738149   | GCAAs | 0.25   | 37     | 43     | 10    | 532    | .05    | 1.19   | 13.3   | 32     | 193    | 226    | 1.46   | 2.24   | .36    | 1100  | 40.9  |
| 2738150   | GCAAs | 0.25   | 13     | .5     | 35    | 320    | .32    | .05    | 48.6   | 1      | 45     | 129    | 3.24   | 3.42   | .65    | 15000 | 1.56  |
| 2738151   | GCAAs | 0.25   | 57     | 17.3   | 77    | 173    | .28    | .63    | 34.4   | 23     | 164    | 20800  | 8.43   | 11.8   | .63    | 3200  | 1.66  |
| 2738152   | GCAAs | 0.25   | 20     | .5     | 37    | 2650   | .24    | 1.67   | 44.9   | 41     | 37     | 97     | 4.67   | 7.39   | .94    | 2900  | 13.4  |
| 2738153   | GCAAs | 0.25   | 42     | .5     | 20    | 623    | .11    | 1.79   | 14.8   | 58     | 179    | 213    | 6.38   | 7.13   | .46    | 2000  | 38.5  |
| 2738154   | GCAAs | 2      | 61     | .5     | 19    | 1540   | .26    | 1.26   | 39.7   | 119    | 140    | 274    | 13.6   | 14.4   | .91    | 1600  | 36.5  |
| 2738155   | GCBa  | 0.25   | 12     | 1.65   | 22    | 728    | .11    | .22    | 78.8   | 5      | 36     | 39     | 5.27   | 2.82   | 1.29   | 540   | 2.26  |
| 2738156   | GCAAs | 2      | 50     | 2.45   | 28    | 344    | .24    | 3.49   | 37.6   | 76     | 401    | 740    | 5.97   | 7.01   | .68    | 4700  | 14.7  |
| 2738157   | GCAAs | 0.25   | 10     | 1.22   | 31    | 1240   | .28    | .67    | 38     | 21     | 26     | 30     | 5.85   | 5.02   | .78    | 11500 | 1.4   |
| 2738158   | GCAAs | 0.25   | 70     | .5     | 21    | 352    | .2     | 1.1    | 27.4   | 42     | 217    | 246    | 2.66   | 4.48   | .55    | 1100  | 34.7  |
| 2738159   | GCAAs | 0.25   | 18     | .5     | 79    | 187    | .2     | .78    | 12.3   | 44     | 29     | 45     | 3.13   | 1.75   | .49    | 330   | 33.1  |
| 2738160   | GCAAs | 0.25   | 7      | .5     | 42    | 323    | .16    | .05    | 25.8   | 9      | 26     | 35     | 2.31   | 1.36   | .49    | 270   | 45    |
| 2738161   | GCAAs | 0.25   | 2      | .5     | 112   | 205    | .27    | .05    | 99.9   | 9      | 27     | 19     | 4      | 2.57   | .86    | 300   | 4.21  |

**CRA EXPLORATION PTY LIMITED  
ROCK SAMPLE LEDGER**

| SAMPLE NO | LITH  | Gd ppm | Ho ppm | La ppm | Lu ppm | Mn ppm | Mo ppm | Nd ppm | Ni ppm | P ppm  | Pb ppm | Pd ppb | Pr ppm | Pt ppb | Sm ppm | Sr ppm | Ta ppm |
|-----------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2738051   | GPMKs | 2.19   | .5     | 14.7   |        | 139    | 1.01   | 13.5   | 7      | 243    | 47     | .25    | 4.05   | .63    | 2.42   | 70.8   | .14    |
| 2738052   | GCAAs | 3.65   | 1.2    | 9.44   |        | 1490   | 4.43   | 11.7   | 72     | 2942   | 66     | .98    | 2.67   | 1.65   | 3.34   | 64.6   | .18    |
| 2738053   | GCAAs | 2.75   | 1.3    | 23.3   |        | 395    | 20.5   | 22     | 70     | 5904   | 134    | 1.38   | 6.19   | 1.77   | 3.46   | 184    | .33    |
| 2738054   | GCAAs | .49    | .18    | 2.72   |        | 103    | .77    | 2.82   | 8      | 578    | 15     | .58    | .71    | .51    | .41    | 57.6   | .05    |
| 2738055   | GCAAs | .79    | .27    | 4.63   |        | 611    | .83    | 3.78   | 6      | 225    | 15     | .63    | 1.01   | .95    | 3.93   | 93.7   | .05    |
| 2738056   | GCAAs | .53    | .2     | 2.62   |        | 478    | 1.39   | 2.81   | 9      | 234    | 17     | .65    | .79    | .71    | .71    | 62.7   | .05    |
| 2738057   | GCAAs | 1.18   | .32    | 6.83   |        | 136    | .57    | 5.87   | 5      | 201    | 58     | .5     | 1.56   | .71    | 1.21   | 33.1   | .05    |
| 2738058   | GCAAs | 1.97   | 1.4    | 10.6   |        | 939    | 2.31   | 10.3   | 70     | 1941   | 50     | .76    | 3.07   | 1.4    | 4.52   | 207    | .21    |
| 2738059   | GCAAs | .88    | .9     | 4.34   |        | 448    | 6.12   | 4.54   | 61     | 1527   | 38     | 1.27   | 1.25   | 1.02   | 1.05   | 158    | .2     |
| 2738060   | GCAAs | .16    | .12    | .49    |        | 112    | 1.2    | .74    | 7      | 145    | 14     | .54    | .16    | .55    | .05    | 24.7   | .05    |
| 2738139   | GCAAs | 15.1   | 2.05   | 63.7   |        | 58     | 7.06   | 75.7   | 2      | 2190   | 34     | 1.06   | 17.9   | 1.02   | 16.7   | 425    | 1.04   |
| 2738140   | GCAAs | 11.5   | 1.04   | 33.5   |        | 115    | 4.89   | 46.4   | 20     | 4500   | 7      | 1.86   | 10.2   | 2.19   | 13.1   | 176    | .2     |
| 2738141   | GCAAs | 31.6   | 4.03   | 42.4   |        | 42     | 2.77   | 66.5   | 18     | 5560   | 13     | 1.48   | 13.5   | .78    | 20.9   | 767    | .25    |
| 2738142   | GCAAs | 9.49   | 3.26   | 33.5   |        | 109    | 2.18   | 39     | 2      | 12000  | 7      | 2.02   | 8.98   | .89    | 9.93   | 688    | .16    |
| 2738143   | GCAAs | 13.6   | 2.29   | 23.6   |        | 119    | 3.77   | 74.8   | 2      | 112000 | 8      | 1.35   | 14     | 1.33   | 16.6   | 500    | .77    |
| 2738144   | GCAAs | 6.27   | 8.45   | 6.65   |        | 106    | 2.98   | 15     | 9      | 123000 | 2      | 2.81   | 3.03   | 1.47   | 4.62   | 633    | .72    |
| 2738145   | GCAAs | 7.9    | 5.05   | 15.7   |        | 101    | 2.82   | 27.8   | 29     | 92300  | 8      | 1      | 6.17   | 1.61   | 6.53   | 480    | .38    |
| 2738146   | GCAAs | 2.31   | 1.85   | 8.26   |        | 72     | 2.18   | 9.46   | 2      | 48400  | 8      | .79    | 2.41   | 1.13   | 2.17   | 230    | .82    |
| 2738147   | GCAAs | 4.19   | 3.3    | 13.8   |        | 907    | 4.03   | 13.9   | 126    | 31900  | 44     | 1.34   | 3.31   | 1.83   | 3.55   | 118    | .69    |
| 2738148   | GCAAs | 4.01   | 5.39   | 16.3   |        | 58     | .89    | 14.4   | 7      | 115000 | 21     | 1.96   | 3.75   | 1.23   | 2.99   | 113    | .64    |
| 2738149   | GCAAs | 1.66   | .42    | 7.18   |        | 1480   | 2.95   | 6.58   | 197    | 12300  | 2      | 9.45   | 1.53   | 3.35   | 1.8    | 112    | .17    |
| 2738150   | GCAAs | 3      | .82    | 22.5   |        | 73     | 1.43   | 18.2   | 2      | 81500  | 30     | 1.12   | 5.07   | 1.72   | 3.38   | 141    | .33    |
| 2738151   | GCAAs | 3.33   | 2.69   | 16.6   |        | 98     | 1.93   | 12.9   | 12     | 114000 | 53     | 13.3   | 3.91   | 11.1   | 3.15   | 86     | .47    |
| 2738152   | GCAAs | 3.82   | 1.71   | 21.7   |        | 651    | 3.43   | 19.8   | 118    | 24700  | 5      | 1.24   | 4.93   | 1.33   | 5.73   | 1970   | .46    |
| 2738153   | GCAAs | 2.26   | 2.08   | 10.2   |        | 397    | 4.34   | 8.9    | 72     | 21500  | 5      | 2.88   | 2.09   | 2.84   | 2.35   | 347    | .22    |
| 2738154   | GCAAs | 5.12   | 4.14   | 18.2   |        | 712    | 4.26   | 21     | 459    | 24500  | 7      | 2.47   | 4.75   | 3.78   | 5.76   | 733    | .77    |
| 2738155   | GCBa  | 6.31   | .85    | 31.1   |        | 194    | 1.72   | 31.3   | 17     | 1800   | 2      | .89    | 7.39   | .8     | 7.56   | 68     | .15    |
| 2738156   | GCAAs | 3.64   | 1.82   | 17.4   |        | 142    | 2.31   | 17.7   | 55     | 74800  | 9      | 3.71   | 4.07   | 2.73   | 3.34   | 140    | 1.32   |
| 2738157   | GCAAs | 5.1    | 1.48   | 19     |        | 126    | .64    | 19     | 25     | 98300  | 17     | 4.08   | 4.37   | 2.9    | 4.72   | 155    | .75    |
| 2738158   | GCAAs | 2.23   | .97    | 14.5   |        | 1000   | 3.69   | 11.6   | 208    | 8710   | 2      | 3.72   | 3.1    | 1.88   | 2.25   | 158    | .22    |
| 2738159   | GCAAs | 2.47   | .64    | 5.22   |        | 832    | 1.99   | 5.55   | 121    | 1720   | 2      | 1.12   | 1.25   | 1.76   | 2.03   | 26     | .5     |
| 2738160   | GCAAs | 2.66   | .47    | 24     |        | 689    | .75    | 11.6   | 2      | 2800   | 24     | 1.04   | 3.4    | 1.55   | 2.43   | 30     | .21    |
| 2738161   | GCAAs | 5.33   | .79    | 45.3   |        | 384    | 1.52   | 32.4   | 8      | 500    | 2      | 1.05   | 8.9    | .98    | 5.39   | 75     | .87    |

**CRA EXPLORATION PTY LIMITED  
ROCK SAMPLE LEDGER**

| SAMPLE NO | LITH  | Tb ppm | Tm ppm | Th ppm | U ppm | V ppm | W ppm | Zn ppm | Y ppm | Yb ppm |
|-----------|-------|--------|--------|--------|-------|-------|-------|--------|-------|--------|
| 2738051   | GPMKs | .35    |        | 2.81   | 1.38  | 24    | 2.48  | 51     |       |        |
| 2738052   | GCAAs | .62    |        | 2.13   | 12    | 215   | 2.29  | 1400   |       |        |
| 2738053   | GCAAs | .44    |        | 4.29   | 52.8  | 331   | 2.33  | 124    |       |        |
| 2738054   | GCAAs | .11    |        | .45    | 1.28  | 10    | 1.67  | 23     |       |        |
| 2738055   | GCAAs | .15    |        | .68    | 1.54  | 11    | 1.25  | 10     |       |        |
| 2738056   | GCAAs | .12    |        | .47    | .61   | 7     | 1.06  | 28     |       |        |
| 2738057   | GCAAs | .17    |        | 1.06   | 1.95  | 10    | .96   | 10     |       |        |
| 2738058   | GCAAs | .29    |        | .75    | 27.1  | 132   | 1.21  | 365    |       |        |
| 2738059   | GCAAs | .18    |        | .99    | 4.42  | 120   | 1.33  | 273    |       |        |
| 2738060   | GCAAs | .03    |        | .17    | .51   | 4     | 1.31  | 7      |       |        |
| 2738139   | GCAAs | 2.17   |        | 23     | 2.63  | 27    | 4.23  | 14     | 51    |        |
| 2738140   | GCAAs | 1.68   |        | 10.7   | 7.84  | 228   | 1.6   | 67     | 22    |        |
| 2738141   | GCAAs | 5.38   |        | 17.4   | 5.17  | 25    | 1.7   | 35     | 84    |        |
| 2738142   | GCAAs | 1.77   |        | 7.16   | 22.9  | 48    | 1.16  | 66     | 144   |        |
| 2738143   | GCAAs | 2.11   |        | 2.61   | 45.8  | 399   | 2.59  | 790    | 141   |        |
| 2738144   | GCAAs | 1.5    |        | 2.14   | 87.2  | 586   | 1.94  | 327    | 820   |        |
| 2738145   | GCAAs | 1.82   |        | .83    | 71.8  | 93    | 1.92  | 1600   | 319   |        |
| 2738146   | GCAAs | .33    |        | .93    | 19.9  | 50    | 2.89  | 337    | 178   |        |
| 2738147   | GCAAs | .96    |        | 5.03   | 63.1  | 302   | 2.43  | 540    | 169   |        |
| 2738148   | GCAAs | 1.19   |        | .54    | 41.2  | 99    | 2.54  | 30     | 397   |        |
| 2738149   | GCAAs | .26    |        | 1.11   | 83.3  | 725   | 1.45  | 670    | 27    |        |
| 2738150   | GCAAs | .47    |        | 6.92   | 58.2  | 53    | 2.25  | 52     | 40    |        |
| 2738151   | GCAAs | .95    |        | 8.52   | 100   | 58    | 1.57  | 2360   | 222   |        |
| 2738152   | GCAAs | .72    |        | 7.17   | 81.8  | 65    | 1.81  | 257    | 99    |        |
| 2738153   | GCAAs | .49    |        | 2.84   | 261   | 564   | 1.46  | 450    | 101   |        |
| 2738154   | GCAAs | 1.39   |        | 10.8   | 469   | 416   | 2.93  | 670    | 171   |        |
| 2738155   | GCBa  | 1.04   |        | 5.95   | 2.46  | 32    | 1.19  | 40     | 22    |        |
| 2738156   | GCAAs | .76    |        | 8.02   | 108   | 374   | 2.93  | 800    | 107   |        |
| 2738157   | GCAAs | .84    |        | 7.55   | 33.9  | 27    | 1.84  | 69     | 82    |        |
| 2738158   | GCAAs | .36    |        | 4.63   | 184   | 862   | 2.52  | 880    | 53    |        |
| 2738159   | GCAAs | .46    |        | 10.5   | 15.8  | 91    | 1.43  | 600    | 14    |        |
| 2738160   | GCAAs | .45    |        | 6.79   | 2.63  | 47    | 1.44  | 138    | 12    |        |
| 2738161   | GCAAs | .79    |        | 10     | 5.12  | 34    | 2.62  | 35     | 20    |        |

**CRA EXPLORATION PTY LIMITED**  
**ROCK SAMPLE LEDGER**

| SAMPLE NO | LITH  | Ag ppm | As ppm | Au ppb | B ppm | Ba ppm | Bi ppm | Cd ppm | Ce ppm | Co ppm | Cr ppm | Cu ppm | Dy ppm | Er ppm | Eu ppm | F ppm | Fe % |
|-----------|-------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|
| 2738162   | GCA's | 0.25   | 47     | .5     | 51    | 84     | .05    | 1.14   | 10.5   | 63     | 89     | 122    | 12.4   | 6.79   | 1.46   | 310   | 37.4 |
| 2738163   | GCA's | 0.25   | 73     | .5     | 43    | 263    | .05    | .31    | 74.1   | 57     | 44     | 46     | 4.24   | 2.3    | 1.13   | 220   | 38.5 |
| 2738164   | GCA's | 0.25   | 25     | .5     | 5     | 330    | .05    | .26    | 17.8   | 74     | 5      | 40     | 4.39   | 2.25   | .59    | 150   | 50.8 |
| 2738165   | GCA's | 0.25   | 25     | .5     | 49    | 4380   | .37    | .05    | 68.7   | 3      | 126    | 63     | 4.86   | 2.72   | 1.71   | 390   | 14.9 |
| 2738166   | GCA's | 0.25   | 130    | .5     | 21    | 347    | .18    | .25    | 146    | 64     | 52     | 640    | 44.6   | 29     | 5.64   | 380   | 42.1 |
| 2738167   | GCA's | 0.25   | 20     | .5     | 25    | 581    | .14    | .29    | 54.9   | 32     | 34     | 213    | 4.52   | 3.49   | .7     | 400   | 35.3 |
| 2738206   | GCA's | 0.5    | 4      |        |       |        |        |        |        |        |        | 48     |        |        |        |       |      |
| 2738209   | GCA's | 0.5    | 19     |        |       |        |        |        |        |        |        | 14     |        |        |        |       |      |
| 2738210   | GCA's | 0.5    | 5      |        |       |        |        |        |        |        |        | 7      |        |        |        |       |      |





**CRA EXPLORATION PTY LIMITED  
ROCK SAMPLE LEDGER**

| SAMPLE NO | LITH  | Tb ppm | Tm ppm | Th ppm | U ppm | V ppm | W ppm | Zn ppm | Y ppm | Yb ppm |
|-----------|-------|--------|--------|--------|-------|-------|-------|--------|-------|--------|
| 2738162   | GCA's | 1.96   |        | 15.4   | 45.1  | 107   | 1.2   | 368    | 51    |        |
| 2738163   | GCA's | .93    |        | 4.43   | 19.3  | 68    | 1.21  | 133    | 21    |        |
| 2738164   | GCA's | .65    |        | 1.62   | 24.3  | 50    | 2.56  | 257    | 21    |        |
| 2738165   | GCA's | .97    |        | 16.5   | 9.6   | 333   | 2.63  | 69     | 17    |        |
| 2738166   | GCA's | 6.6    |        | 5.38   | 147   | 109   | 2.59  | 620    | 304   |        |
| 2738167   | GCA's | .73    |        | 5.62   | 55.6  | 97    | 2.51  | 385    | 49    |        |
| 2738206   | GCA's |        |        |        |       |       |       | 214    |       |        |
| 2738209   | GCA's |        |        |        |       |       |       | 203    |       |        |
| 2738210   | GCA's |        |        |        |       |       |       | 28     |       |        |

APPENDIX III

EL 8116 JERVOIS RANGE

**Percussion Drill Sample Ledger and Assay Results**

**CRA EXPLORATION PTY LIMITED  
PD94JR1 DRILL HOLE LEDGER**

|                 |               |                  |         |                    |               |                    |          |
|-----------------|---------------|------------------|---------|--------------------|---------------|--------------------|----------|
| <u>EL NAME</u>  | JERVOIS RANGE | <u>AMG EAST</u>  | 623972  | <u>AZIMUTH</u>     | 0             | <u>COMMENCED</u>   | 05/03/94 |
| <u>PROSPECT</u> | PATANELLA     | <u>AMG NORTH</u> | 7501216 | <u>INCLINATION</u> | -90           | <u>COMPLETED</u>   | 06/03/94 |
| <u>LAB USED</u> | ALS ALICE SP  | <u>ZONE</u>      | 53      | <u>DRILLERS</u>    | GOREY & COLE  | <u>CASING LEFT</u> | 6 M pvc  |
| <u>DPO No's</u> | 49127         | <u>RL COLLAR</u> | 478     | <u>DRILL TYPE</u>  | VICKERS KEOGH | <u>TOTAL DEPTH</u> | 96       |

| DFROM<br>m | DTO<br>m | SAMPLE<br>No. | LITHOLOGY | COLOUR | TEXTURE | MAJOR<br>MIN | MINOR<br>MIN | TRACE<br>MIN | CPS | MAG SUS<br>X 10(-5) SI | COMMENTS     |
|------------|----------|---------------|-----------|--------|---------|--------------|--------------|--------------|-----|------------------------|--------------|
| 0          | 5        | 3749500       | Qh, Qc    | R, B   | we,fi   | Ch, Qz       | Cl, He       |              | 161 | 15                     |              |
| 5          | 10       | 3749501       | GCA's     | W      | we      | Cy           | Ch           |              | 175 | 6                      |              |
| 10         | 15       | 3749502       | GCA's     | G      | we      | Cy           | Ch           |              | 159 | 7                      |              |
| 15         | 20       | 3749503       | GCA's     | G      | we      | Cy           | Ch           |              | 159 | 2                      |              |
| 20         | 25       | 3749504       | GCA's     | G      | we      | Cy           | Ch           |              | 15  | 0                      |              |
| 25         | 30       | 3749505       | GCA's     | G      | we      | Cy           | Ch           |              | 158 | 10                     |              |
| 30         | 35       | 3749506       | GCA's     | G      | we      | Cy           | Ch           |              | 158 | 10                     |              |
| 35         | 40       | 3749507       | GCA's     | G, U   | we      | Cy           | Ch           |              | 156 | 5                      |              |
| 40         | 45       | 3749508       | GCA's     | G, U   | we      | Cy           | Ch           |              | 149 | 4                      |              |
| 45         | 50       | 3749509       | GCA's     | G, U   | we      | Cy           | Ch           |              | 153 | 4                      |              |
| 50         | 55       | 3749510       | GCA's     | G, U   | we      | Cy           | Ch           |              | 159 | 5                      |              |
| 55         | 60       | 3749511       | GCA's     | G, U   | we      | Cy           | Ch           |              | 153 | 7                      |              |
| 60         | 65       | 3749512       | GCA's     | G, U   | we      | Cy           | Ch           |              | 168 | 7                      |              |
| 65         | 70       | 3749513       | GCA's     | G, U   | we      | Cy           | Ch           |              | 166 | 4                      |              |
| 70         | 75       | 3749514       | GCA's     | U, G   | we,     | Qz           | Ch           |              | 168 | 0                      |              |
| 75         | 80       | 3749515       | GCA's     | G      | we      | Qz           | Ch           |              | 176 | 0                      |              |
| 80         | 85       | 3749516       | GCA's     | G      |         | Qz           | Ch           |              | 174 | 6                      |              |
| 85         | 90       | 3749517       | GCA's     | G      |         | Qz           | Ch           |              | 165 | 0                      | TRACE Qz/ vu |
| 90         | 96       | 3749518       | GCA's     | G      |         | Qz           | Ch           |              | 161 | 5                      | TRACE Qz/ vu |

**CRA EXPLORATION PTY LIMITED  
PD94JR1 DRILL HOLE LEDGER**

| <u>EL NAME</u> | <u>PROSPECT</u> | <u>LAB USED</u> | <u>DPO No's</u>  | JERVOIS RANGE | PATANELLA | ALS ALICE SP | 49127     | <u>AMG EAST</u> | 623972    | <u>AMG NORTH</u> | 7501216   | <u>ZONE</u> | 53        | <u>RL COLLAR</u> | 478       | <u>AZIMUTH</u> | 0         | <u>INCLINATION</u> | -90       | <u>DRILLERS</u> | GOREY & COLE | <u>DRILL TYPE</u> | VICKERS KEOGH | <u>COMMENCED</u> | 05/03/94 | <u>COMPLETED</u> | 06/03/94 | <u>CASING LEFT</u> | 6 M pvc | <u>TOTAL DEPTH</u> | 96 |
|----------------|-----------------|-----------------|------------------|---------------|-----------|--------------|-----------|-----------------|-----------|------------------|-----------|-------------|-----------|------------------|-----------|----------------|-----------|--------------------|-----------|-----------------|--------------|-------------------|---------------|------------------|----------|------------------|----------|--------------------|---------|--------------------|----|
| <u>DFROM</u>   | <u>DTO</u>      | <u>SAMPLE</u>   | <u>LITHOLOGY</u> | <u>Ag</u>     | <u>As</u> | <u>Bi</u>    | <u>Ca</u> | <u>Cd</u>       | <u>Co</u> | <u>Cu</u>        | <u>Fe</u> | <u>K</u>    | <u>Mg</u> | <u>Mn</u>        | <u>Mo</u> | <u>Na</u>      | <u>Ni</u> | <u>P</u>           | <u>Pb</u> | <u>Th</u>       | <u>U</u>     | <u>Zn</u>         |               |                  |          |                  |          |                    |         |                    |    |
| m              | m               | No.             |                  | ppm           | ppm       | ppm          | ppm       | ppm             | ppm       | ppm              | ppm       | ppm         | ppm       | ppm              | ppm       | ppm            | ppm       | ppm                | ppm       | ppm             | ppm          | ppm               |               |                  |          |                  |          |                    |         |                    |    |
| 0              | 5               | 3749500         | Qh, Qc           | -1            | 14        | -5           | 19800     | -5              | -5        | 7                | 12300     | 7400        | 4300      | 71               | -5        | 3000           | 10        | 917                | 31        | 11              | -2           | 24                |               |                  |          |                  |          |                    |         |                    |    |
| 5              | 10              | 3749501         | GCA's            | -1            | 6         | -5           | 16600     | -5              | -5        | -5               | 3400      | 6800        | 1400      | 18               | -5        | 2400           | 6         | 443                | 26        | 13              | -2           | 89                |               |                  |          |                  |          |                    |         |                    |    |
| 10             | 15              | 3749502         | GCA's            | -1            | 8         | -5           | 2100      | -5              | -5        | 5                | 3400      | 5700        | 800       | 16               | -5        | 1700           | 6         | 701                | 20        | 10              | -2           | 56                |               |                  |          |                  |          |                    |         |                    |    |
| 15             | 20              | 3749503         | GCA's            | -1            | 10        | -5           | 800       | -5              | -5        | 10               | 3100      | 6400        | 600       | 9                | -5        | 1300           | 13        | 1100               | 17        | 14              | 4            | 29                |               |                  |          |                  |          |                    |         |                    |    |
| 20             | 25              | 3749504         | GCA's            | -1            | 13        | -5           | 1000      | -5              | -5        | 18               | 3900      | 9300        | 1000      | 12               | -5        | 2100           | 12        | 1600               | 14        | 12              | -2           | 33                |               |                  |          |                  |          |                    |         |                    |    |
| 25             | 30              | 3749505         | GCA's            | -1            | 12        | -5           | 1600      | -5              | 8         | 58               | 9000      | 3300        | 500       | 39               | -5        | 1100           | 14        | 1660               | 17        | 8               | 6            | 52                |               |                  |          |                  |          |                    |         |                    |    |
| 30             | 35              | 3749506         | GCA's            | -1            | 10        | -5           | 1200      | -5              | 5         | 23               | 4300      | 3900        | 600       | 25               | -5        | 1000           | 7         | 1220               | 15        | 6               | 4            | 21                |               |                  |          |                  |          |                    |         |                    |    |
| 35             | 40              | 3749507         | GCA's            | -1            | 18        | -5           | 2700      | -5              | 6         | 63               | 6900      | 5200        | 800       | 20               | -5        | 1800           | 13        | 3770               | 13        | 8               | 4            | 41                |               |                  |          |                  |          |                    |         |                    |    |
| 40             | 45              | 3749508         | GCA's            | -1            | 13        | -5           | 1800      | -5              | 14        | 34               | 6100      | 5900        | 900       | 54               | -5        | 1300           | 14        | 2560               | 15        | 7               | -2           | 29                |               |                  |          |                  |          |                    |         |                    |    |
| 45             | 50              | 3749509         | GCA's            | -1            | 20        | -5           | 2100      | -5              | 12        | 59               | 7000      | 5900        | 1100      | 38               | -5        | 1600           | 23        | 2940               | 15        | 7               | 5            | 110               |               |                  |          |                  |          |                    |         |                    |    |
| 50             | 55              | 3749510         | GCA's            | -1            | 6         | -5           | 1300      | -5              | -5        | 58               | 5900      | 6900        | 900       | 10               | -5        | 1300           | 14        | 2670               | 12        | 11              | 12           | 47                |               |                  |          |                  |          |                    |         |                    |    |
| 55             | 60              | 3749511         | GCA's            | -1            | 15        | -5           | 1300      | -5              | -5        | 46               | 6400      | 8300        | 1000      | 18               | -5        | 1700           | 16        | 2670               | 32        | 11              | 6            | 128               |               |                  |          |                  |          |                    |         |                    |    |
| 60             | 65              | 3749512         | GCA's            | -1            | 20        | -5           | 4000      | -5              | 7         | 118              | 15900     | 9100        | 1500      | 17               | -5        | 2100           | 30        | 5570               | 28        | 11              | 21           | 173               |               |                  |          |                  |          |                    |         |                    |    |
| 65             | 70              | 3749513         | GCA's            | -1            | 18        | -5           | 4900      | -5              | -5        | 61               | 7600      | 8800        | 1500      | 21               | -5        | 1800           | 14        | 8690               | 21        | 11              | 21           | 77                |               |                  |          |                  |          |                    |         |                    |    |
| 70             | 75              | 3749514         | GCA's            | -1            | 14        | -5           | 7400      | -5              | -5        | 88               | 7900      | 9700        | 1800      | 19               | -5        | 2000           | 16        | 11600              | 20        | 6               | 27           | 86                |               |                  |          |                  |          |                    |         |                    |    |
| 75             | 80              | 3749515         | GCA's            | 1             | 16        | -5           | 8600      | -5              | -5        | 68               | 13700     | 5700        | 1200      | 39               | -5        | 1000           | 27        | 12100              | 110       | 7               | 30           | 108               |               |                  |          |                  |          |                    |         |                    |    |
| 80             | 85              | 3749516         | GCA's            | 1             | 17        | -5           | 6900      | -5              | 15        | 61               | 33900     | 2000        | 800       | 372              | -5        | 300            | 57        | 8690               | 172       | -2              | 27           | 166               |               |                  |          |                  |          |                    |         |                    |    |
| 85             | 90              | 3749517         | GCA's            | 1             | 13        | -5           | 5200      | -5              | 7         | 35               | 16600     | 800         | 500       | 350              | -5        | 200            | 31        | 6410               | 109       | -2              | 12           | 100               |               |                  |          |                  |          |                    |         |                    |    |
| 90             | 96              | 3749518         | GCA's            | 1             | 12        | -5           | 12800     | -5              | 11        | 36               | 16800     | 800         | 500       | 643              | -5        | 200            | 29        | 8750               | 86        | -2              | 10           | 103               |               |                  |          |                  |          |                    |         |                    |    |

**CRA EXPLORATION PTY LIMITED  
PD94JR2 DRILL HOLE LEDGER**

|                 |               |                  |         |                    |               |
|-----------------|---------------|------------------|---------|--------------------|---------------|
| <u>EL NAME</u>  | JERVOIS RANGE | <u>AMG EAST</u>  | 624309  | <u>AZIMUTH</u>     | 0             |
| <u>PROSPECT</u> | PATANELLA     | <u>AMG NORTH</u> | 7500650 | <u>INCLINATION</u> | -90           |
| <u>LAB USED</u> | ALS ALICE SP  | <u>ZONE</u>      | 53      | <u>DRILLERS</u>    | GOREY & COLE  |
| <u>DPO No's</u> | 49127         | <u>RL COLLAR</u> | 300     | <u>DRILL TYPE</u>  | VICKERS KEOGH |

|                    |          |
|--------------------|----------|
| <u>COMMENCED</u>   | 06/03/94 |
| <u>COMPLETED</u>   | 06/03/94 |
| <u>CASING LEFT</u> | 6M PVC   |
| <u>TOTAL DEPTH</u> | 78       |

| DFROM<br>m | DTO<br>m | SAMPLE<br>No. | LITHOLOGY  | COLOUR  | TEXTURE | MAJOR<br>MIN | MINOR<br>MIN | TRACE<br>MIN | CPS | MAG SUS<br>X 10(-5) SI | COMMENTS         |
|------------|----------|---------------|------------|---------|---------|--------------|--------------|--------------|-----|------------------------|------------------|
| 0          | 5        | 3749519       | Qh, Qc, Ql | R, B    | we      | Cy           | He, Qz       |              | 505 | 178                    |                  |
| 5          | 10       | 3749520       | GCA's      | U, G, B | we      | Cy           | Ch           |              | 252 | 7                      |                  |
| 10         | 15       | 3749521       | GCA's      | U, G    | we      | Cy           | Ch           |              | 208 | 6                      |                  |
| 15         | 20       | 3749522       | GCA's      | U, G, Y | we      | Cy           | Ch           |              | 207 | 2                      |                  |
| 20         | 25       | 3749523       | GCA's      | Y, B    | we      | Cy           | Ch           |              | 198 | 5                      |                  |
| 25         | 30       | 3749524       | GCA's      | B, R    | we,     | Cy           | Qz           |              | 191 | 6                      |                  |
| 30         | 35       | 3749525       | GCA's      | B, R    | we,     | Cy           | Qz           |              | 212 | 7                      |                  |
| 35         | 40       | 3749526       | GCA's      | B, R    | we,     | Cy           | Qz           |              | 186 | 8                      |                  |
| 40         | 45       | 3749527       | GCA's      | B, R    | we,     | Cy           | Qz           |              | 171 | 8                      |                  |
| 45         | 50       | 3749528       | GCA's      | Y, B    | we, fg  | Cy           | Qz           |              | 170 | 8                      |                  |
| 50         | 55       | 3749529       | GCA's      | Y, B    | we, fg  | Cy           | Qz           | Li, Mn, Gt   | 185 | 10                     | LOSS CIRCULATION |
| 55         | 60       | 3749530       | GCA's      | V, G, P | fg      | Qz           | Gt           | Li, Mn,      | 180 | 12                     |                  |
| 60         | 65       | 3749531       | GCBa       | R       | mg      | Qz           | Mi           | Gt An        | 170 | 12                     |                  |
| 65         | 70       | 3749532       | GCBa       | R, P    | mg      | Qz           | Mi           |              | 177 | 26                     |                  |
| 70         | 75       | 3749533       | GCBa       | R       | mg      | Qz           |              |              | 155 | 32                     |                  |
| 75         | 78       | 3749534       | GCBa       | R       | mg      | Qz           |              | Gt           | 98  | 46                     |                  |

**CRA EXPLORATION PTY LIMITED  
PD94JR2 DRILL HOLE LEDGER**

|                 |               |                  |         |                    |               |                    |          |
|-----------------|---------------|------------------|---------|--------------------|---------------|--------------------|----------|
| <u>EL NAME</u>  | JERVOIS RANGE | <u>AMG EAST</u>  | 624309  | <u>AZIMUTH</u>     | 0             | <u>COMMENCED</u>   | 06/03/94 |
| <u>PROSPECT</u> | PATANELLA     | <u>AMG NORTH</u> | 7500650 | <u>INCLINATION</u> | -90           | <u>COMPLETED</u>   | 06/03/94 |
| <u>LAB USED</u> | ALS ALICE SP  | <u>ZONE</u>      | 53      | <u>DRILLERS</u>    | GOREY & COLE  | <u>CASING LEFT</u> | 6M PVC   |
| <u>DPO No's</u> | 49127         | <u>RL COLLAR</u> | 300     | <u>DRILL TYPE</u>  | VICKERS KEOGH | <u>TOTAL DEPTH</u> | 78       |

| DFROM<br>m | DTO<br>m | SAMPLE<br>No. | LITHOLOGY  | Ag<br>ppm | As<br>ppm | Bi<br>ppm | Ca<br>ppm | Cd<br>ppm | Co<br>ppm | Cu<br>ppm | Fe<br>ppm | K<br>ppm | Mg<br>ppm | Mn<br>ppm | Mo<br>ppm | Na<br>ppm | Ni<br>ppm | P<br>ppm | Pb<br>ppm | Th<br>ppm | U<br>ppm | Zn<br>ppm |
|------------|----------|---------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|----------|-----------|
| 0          | 5        | 3749519       | Qh, Qc, Ql | -1        | -5        | -5        | 8600      | -5        | -5        | 16        | 19300     | 5900     | 3000      | 86        | -5        | 1900      | 11        | 3950     | 13        | 7         | 6        | 95        |
| 5          | 10       | 3749520       | GCA's      | 1         | 11        | -5        | 9300      | -5        | -5        | 97        | 8600      | 7100     | 2000      | 43        | -5        | 2400      | 10        | 11200    | 185       | 11        | 32       | 142       |
| 10         | 15       | 3749521       | GCA's      | 1         | 7         | -5        | 6600      | -5        | -5        | 113       | 8300      | 4400     | 1200      | 44        | -5        | 1500      | 12        | 9530     | 63        | 4         | 15       | 69        |
| 15         | 20       | 3749522       | GCA's      | -1        | -5        | -5        | 10700     | -5        | -5        | 27        | 6100      | 2200     | 400       | 89        | -5        | 900       | 12        | 18300    | 20        | 8         | 15       | 135       |
| 20         | 25       | 3749523       | GCA's      | -1        | 19        | -5        | 3500      | -5        | 9         | 63        | 16400     | 3300     | 700       | 111       | -5        | 1300      | 36        | 5840     | 8         | 7         | 11       | 92        |
| 25         | 30       | 3749524       | GCA's      | -1        | 12        | -5        | 3100      | -5        | -5        | 46        | 21200     | 5100     | 1200      | 70        | -5        | 2000      | 23        | 4960     | 8         | 13        | -2       | 76        |
| 30         | 35       | 3749525       | GCA's      | -1        | 16        | -5        | 2300      | -5        | 7         | 31        | 23000     | 4700     | 1100      | 97        | -5        | 1600      | 28        | 3140     | 156       | 7         | -2       | 75        |
| 35         | 40       | 3749526       | GCA's      | -1        | 16        | -5        | 1700      | -5        | 5         | 19        | 22700     | 5000     | 1200      | 83        | -5        | 1700      | 22        | 2230     | 8         | 11        | -2       | 59        |
| 40         | 45       | 3749527       | GCA's      | -1        | 7         | -5        | 1200      | -5        | 6         | 8         | 20600     | 5000     | 1600      | 75        | -5        | 1200      | 23        | 1190     | 6         | 8         | -2       | 65        |
| 45         | 50       | 3749528       | GCA's      | -1        | -5        | -5        | 138700    | -5        | 12        | 19        | 18600     | 3400     | 1000      | 435       | -5        | 300       | 36        | 61700    | 13        | 4         | -2       | 197       |
| 50         | 55       | 3749529       | GCA's      | -1        | 14        | -5        | 214900    | -5        | 67        | 66        | 36500     | 4900     | 1200      | 7400      | -5        | 400       | 109       | 94900    | 26        | -2        | 13       | 520       |
| 55         | 60       | 3749530       | GCA's      | -1        | 23        | -5        | 74700     | -5        | 62        | 67        | 33600     | 20100    | 41400     | 8170      | -5        | 4700      | 92        | 9430     | 18        | 11        | -2       | 278       |
| 60         | 65       | 3749531       | GCBa       | -1        | 24        | -5        | 61500     | -5        | 14        | 12        | 28000     | 6200     | 36400     | 2250      | -5        | 1600      | 24        | 3450     | 7         | 9         | -2       | 50        |
| 65         | 70       | 3749532       | GCBa       | -1        | 11        | -5        | 18500     | -5        | 7         | -5        | 30100     | 8400     | 13700     | 619       | -5        | 1800      | 17        | 1770     | 8         | 5         | -2       | 19        |
| 70         | 75       | 3749533       | GCBa       | -1        | 11        | -5        | 7100      | -5        | 5         | -5        | 19700     | 10200    | 6800      | 219       | -5        | 1600      | 15        | 970      | -5        | -2        | -2       | 14        |
| 75         | 78       | 3749534       | GCBa       | -1        | 12        | -5        | 6700      | -5        | -5        | 5         | 14700     | 8600     | 4600      | 207       | -5        | 600       | 12        | 896      | -5        | 4         | -2       | 14        |

**CRA EXPLORATION PTY LIMITED  
PD94JR3 DRILL HOLE LEDGER**

|                 |              |                  |         |                    |               |                    |          |
|-----------------|--------------|------------------|---------|--------------------|---------------|--------------------|----------|
| <u>EL NAME</u>  | REVOIS RANGE | <u>AMG EAST</u>  | 623629  | <u>AZIMUTH</u>     | 0             | <u>COMMENCED</u>   | 06/03/94 |
| <u>PROSPECT</u> | PATANELLA    | <u>AMG NORTH</u> | 7500012 | <u>INCLINATION</u> | -90           | <u>COMPLETED</u>   | 07/03/94 |
| <u>LAB USED</u> | ALS ALICE SP | <u>ZONE</u>      | 53      | <u>DRILLERS</u>    | GOREY & COLE  | <u>CASING LEFT</u> | 6M PVC   |
| <u>DPO No's</u> | 49127        | <u>RL COLLAR</u> | ?       | <u>DRILL TYPE</u>  | VICKERS KEOGH | <u>TOTAL DEPTH</u> | 90       |

| DFROM<br>m | DTO<br>m | SAMPLE<br>No. | LITHOLOGY | COLOUR | TEXTURE | MAJOR<br>MIN | MINOR<br>MIN | TRACE<br>MIN | CPS | MAG SUS<br>X 10(-5) SI | COMMENTS |
|------------|----------|---------------|-----------|--------|---------|--------------|--------------|--------------|-----|------------------------|----------|
| 0          | 5        | 3749535       | GCA's     | W      | we, fg  | Cy           | Qz           |              | 214 | 15                     |          |
| 5          | 10       | 3749536       | GCA's     | W      | we, fg  | Cy           | Qz           |              | 244 | 9                      |          |
| 10         | 15       | 3749537       | GCA's     | W      | we, fg  | Cy           | Qz           |              | 260 | 7                      |          |
| 15         | 20       | 3749538       | GCA's     | W, U   | we, fg  | Cy           | Qz           |              | 250 | 3                      |          |
| 20         | 25       | 3749539       | GCA's     | W, U   | we, fg  | Cy           | Qz           | Gt           | 289 | 7                      |          |
| 25         | 30       | 3749540       | GCA's     | G, W   | we, fg  | Cy           | Qz           | Gt           | 372 | 40                     |          |
| 30         | 35       | 3749541       | GCA's     | G, Y   | we, fg  | Cy           | Ch           |              | 240 | 10                     |          |
| 35         | 40       | 3749542       | GCA's     | G, Y   | we, fg  | Cy           | Ch           |              | 223 | 11                     |          |
| 40         | 45       | 3749543       | GCA's     | Y, B   | we, fg  | Cy           | Ch           |              | 204 | 10                     |          |
| 45         | 50       | 3749544       | GCA's     | R      | we, fg  | Cy           | Ch           |              | 208 | 6                      |          |
| 50         | 55       | 3749545       | GCA's     | R      | we, fg  | Cy           | Ch           |              | 208 | 6                      |          |
| 55         | 60       | 3749546       | GCA's     | R      | we, fg  | Cy           | Ch           |              | 197 | 5                      |          |
| 60         | 65       | 3749547       | GCA's     | R      | we, fg  | Cy           | Ch           |              | 198 | 8                      |          |
| 65         | 70       | 3749548       | GCA's     | R      | we, fg  | Cy           | Ch           |              | 197 | 4                      |          |
| 70         | 75       | 3749549       | GCA's     | R      | we, fg  | Cy           | Ch           |              | 198 | 5                      |          |
| 75         | 80       | 3749550       | GCA's     | R      | we, fg  | Cy           | Ch           |              | 196 | 7                      |          |
| 80         | 85       | 3749551       | GCA's     | G, V   | fg      | Cy           | Ch           | Py           | 197 | 11                     |          |
| 85         | 90       | 3749552       | GCBa      | R      |         | Qz           | Mi           | Gt           | 203 | 6                      |          |

**CRA EXPLORATION PTY LIMITED  
PD94JR3 DRILL HOLE LEDGER**

|                 |              |                  |         |                    |               |                    |          |
|-----------------|--------------|------------------|---------|--------------------|---------------|--------------------|----------|
| <u>EL NAME</u>  | REVOIS RANGE | <u>AMG EAST</u>  | 623629  | <u>AZIMUTH</u>     | 0             | <u>COMMENCED</u>   | 06/03/94 |
| <u>PROSPECT</u> | PATANELLA    | <u>AMG NORTH</u> | 7500012 | <u>INCLINATION</u> | -90           | <u>COMPLETED</u>   | 07/03/94 |
| <u>LAB USED</u> | ALS ALICE SP | <u>ZONE</u>      | 53      | <u>DRILLERS</u>    | GOREY & COLE  | <u>CASING LEFT</u> | 6M PVC   |
| <u>DPO No's</u> | 49127        | <u>RL COLLAR</u> | ?       | <u>DRILL TYPE</u>  | VICKERS KEOGH | <u>TOTAL DEPTH</u> | 90       |

| DFROM<br>m | DTO<br>m | SAMPLE<br>No. | LITHOLOGY | Ag<br>ppm | As<br>ppm | Bi<br>ppm | Ca<br>ppm | Cd<br>ppm | Co<br>ppm | Cu<br>ppm | Fe<br>ppm | K<br>ppm | Mg<br>ppm | Mn<br>ppm | Mo<br>ppm | Na<br>ppm | Ni<br>ppm | P<br>ppm | Pb<br>ppm | Th<br>ppm | U<br>ppm | Zn<br>ppm |
|------------|----------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|----------|-----------|
| 0          | 5        | 3749535       | GCA's     | -1        | 18        | -5        | 13900     | -5        | -5        | 6         | 7300      | 7100     | 6400      | 47        | -5        | 3800      | 8         | 1340     | 14        | 10        | -2       | 60        |
| 5          | 10       | 3749536       | GCA's     | -1        | -5        | -5        | 4500      | -5        | -5        | 9         | 4800      | 5900     | 1300      | 17        | -5        | 2600      | 8         | 2180     | 15        | -2        | 5        | 59        |
| 10         | 15       | 3749537       | GCA's     | -1        | 11        | -5        | 5700      | -5        | -5        | 33        | 4600      | 7100     | 1200      | 18        | -5        | 2700      | 11        | 8500     | 15        | 11        | 32       | 55        |
| 15         | 20       | 3749538       | GCA's     | -1        | 7         | -5        | 12800     | -5        | -5        | 125       | 4600      | 6000     | 800       | 66        | -5        | 2100      | -5        | 21200    | 17        | 12        | 27       | 48        |
| 20         | 25       | 3749539       | GCA's     | 1         | 9         | -5        | 13200     | -5        | 8         | 130       | 4400      | 6500     | 900       | 155       | -5        | 2000      | -5        | 20200    | 14        | 9         | 43       | 47        |
| 25         | 30       | 3749540       | GCA's     | 1         | 15        | -5        | 20400     | -5        | 13        | 122       | 5400      | 3400     | 400       | 191       | -5        | 2700      | 9         | 29600    | 220       | 7         | 87       | 125       |
| 30         | 35       | 3749541       | GCA's     | 1         | 7         | -5        | 9000      | -5        | -5        | 37        | 22600     | 2600     | 600       | 137       | -5        | 1100      | 19        | 13200    | 42        | 4         | 25       | 93        |
| 35         | 40       | 3749542       | GCA's     | -1        | 9         | -5        | 15300     | -5        | 6         | 35        | 21300     | 2500     | 500       | 255       | -5        | 900       | 21        | 19000    | 33        | 5         | 12       | 127       |
| 40         | 45       | 3749543       | GCA's     | -1        | 18        | -5        | 29900     | -5        | 5         | 17        | 37400     | 3500     | 800       | 609       | -5        | 1900      | 33        | 21000    | 14        | 7         | 4        | 144       |
| 45         | 50       | 3749544       | GCA's     | -1        | -5        | -5        | 13300     | -5        | -5        | 14        | 31500     | 6100     | 1400      | 356       | -5        | 1100      | 22        | 9740     | 15        | 11        | -2       | 111       |
| 50         | 55       | 3749545       | GCA's     | -1        | -5        | -5        | 12200     | -5        | -5        | 12        | 27400     | 6600     | 1500      | 399       | -5        | 1000      | 18        | 8450     | 15        | 6         | -2       | 82        |
| 55         | 60       | 3749546       | GCA's     | -1        | 10        | -5        | 10100     | -5        | -5        | 11        | 23400     | 6100     | 1200      | 596       | -5        | 800       | 16        | 6340     | 12        | 9         | -2       | 66        |
| 60         | 65       | 3749547       | GCA's     | -1        | 12        | -5        | 13200     | -5        | 5         | 10        | 24700     | 6600     | 1300      | 748       | -5        | 800       | 20        | 7360     | 10        | 10        | -2       | 72        |
| 65         | 70       | 3749548       | GCA's     | -1        | 13        | -5        | 13400     | -5        | 19        | 8         | 29100     | 6600     | 1900      | 1440      | -5        | 1100      | 38        | 6830     | 10        | 7         | -2       | 121       |
| 70         | 75       | 3749549       | GCA's     | -1        | 21        | -5        | 77700     | -5        | 32        | 18        | 27400     | 6700     | 3400      | 5810      | -5        | 1200      | 69        | 34000    | 31        | 10        | -2       | 244       |
| 75         | 80       | 3749550       | GCA's     | -1        | 21        | -5        | 72200     | -5        | 21        | 17        | 23900     | 6500     | 27700     | 4030      | -5        | 1700      | 43        | 17700    | 20        | 8         | -2       | 149       |
| 80         | 85       | 3749551       | GCA's     | -1        | 21        | -5        | 76900     | -5        | 14        | 10        | 38700     | 13700    | 54400     | 2630      | -5        | 2900      | 23        | 6800     | 10        | -2        | -2       | 59        |
| 85         | 90       | 3749552       | GCBa      | -1        | 15        | -5        | 24100     | -5        | 17        | 7         | 46800     | 12600    | 13400     | 1470      | -5        | 1400      | 36        | 6850     | 9         | 8         | -2       | 68        |



**CRA EXPLORATION PTY LIMITED  
PD94JR4 DRILL HOLE LEDGER**

|                 |               |                  |         |                    |               |
|-----------------|---------------|------------------|---------|--------------------|---------------|
| <u>EL NAME</u>  | JERVOIS RANGE | <u>AMG EAST</u>  | 625061  | <u>AZIMUTH</u>     | 0             |
| <u>PROSPECT</u> | PATANELLA     | <u>AMG NORTH</u> | 7501722 | <u>INCLINATION</u> | -90           |
| <u>LAB USED</u> | ALS ALICE SP  | <u>ZONE</u>      | 53      | <u>DRILLERS</u>    | GOREY & COLE  |
| <u>DPO No's</u> | 49127         | <u>RL COLLAR</u> | 367     | <u>DRILL TYPE</u>  | VICKERS KOEGH |

|                    |          |
|--------------------|----------|
| <u>COMMENCED</u>   | 07/03/94 |
| <u>COMPLETED</u>   | 07/03/94 |
| <u>CASING LEFT</u> | 6M PVC   |
| <u>TOTAL DEPTH</u> | 90       |

| DFROM<br>m | DTO<br>m | SAMPLE<br>No. | LITHOLOGY | COLOUR | TEXTURE | MAJOR<br>MIN | MINOR<br>MIN | TRACE<br>MIN | CPS | MAG SUS<br>X 10(-5) SI | COMMENTS |
|------------|----------|---------------|-----------|--------|---------|--------------|--------------|--------------|-----|------------------------|----------|
| 0          | 5        | 3749553       | GCA's     | W      | we      | Cy           | Ch           |              | 508 | 3                      |          |
| 5          | 10       | 3749554       | GCA's     | W      | we      | Cy           | Ch           |              | 313 | 0                      |          |
| 10         | 15       | 3749555       | GCA's     | G      | we      | Ch           | Cy           |              | 455 | 5                      |          |
| 15         | 20       | 3749556       | GCA's     | G      | we      | Ch           | Cy           |              | 395 | 8                      |          |
| 20         | 25       | 3749557       | GCA's     | G      | we      | Ch           | Cy           |              | 391 | 6                      |          |
| 25         | 30       | 3749558       | GCA's     | U, W   | we      | Cy           | Ch           |              | 360 | 3                      |          |
| 30         | 35       | 3749559       | GCA's     | U, W   | we      | Cy           | Ch           |              | 355 | 3                      |          |
| 35         | 40       | 3749560       | GCA's     | R, B   | we      | Cy           | Qz           |              | 367 | 7                      |          |
| 40         | 45       | 3749561       | GCA's     | R, B   | we      | Cy           | Qz           |              | 403 | 12                     |          |
| 45         | 50       | 3749562       | GCA's     | R, B   | we      | Cy           | Ch           |              | 306 | 5                      |          |
| 50         | 55       | 3749563       | GCA's     | B, U   | we      | Cy           | Ch           |              | 195 | 5                      |          |
| 55         | 60       | 3749564       | GCA's     | B, U   | we      | Cy           | Ch           |              | 210 | 6                      |          |
| 60         | 65       | 3749565       | GCA's     | B, U   | we      | Cy           | Ch           |              | 218 | 6                      |          |
| 65         | 70       | 3749566       | GCA's     | W      | we, cg  | Qz           | Cy           |              | 218 | 6                      |          |
| 70         | 75       | 3749567       | GCA's     | W      | we, cg  | Ch           | Cy           |              | 203 | 5                      |          |
| 75         | 80       | 3749568       | GCA's     | W      | we, cg  | Ch           | Cy           |              | 207 | 4                      |          |
| 80         | 85       | 3749569       | GCA's     | W      | we, cg  | Ch           | Ph           |              | 198 | 11                     |          |
| 85         | 90       | 3749570       | GCBa      | W      | we, cg  | Qz           |              |              | 202 | 0                      |          |

**CRA EXPLORATION PTY LIMITED  
PD94JR4 DRILL HOLE LEDGER**

|                 |               |                  |         |                    |               |                    |          |
|-----------------|---------------|------------------|---------|--------------------|---------------|--------------------|----------|
| <u>EL NAME</u>  | JERVOIS RANGE | <u>AMG EAST</u>  | 625061  | <u>AZIMUTH</u>     | 0             | <u>COMMENCED</u>   | 07/03/94 |
| <u>PROSPECT</u> | PATANELLA     | <u>AMG NORTH</u> | 7501722 | <u>INCLINATION</u> | -90           | <u>COMPLETED</u>   | 07/03/94 |
| <u>LAB USED</u> | ALS ALICE SP  | <u>ZONE</u>      | 53      | <u>DRILLERS</u>    | GOREY & COLE  | <u>CASING LEFT</u> | 6M PVC   |
| <u>DPO No's</u> | 49127         | <u>RL COLLAR</u> | 367     | <u>DRILL TYPE</u>  | VICKERS KOEGH | <u>TOTAL DEPTH</u> | 90       |

| DFROM<br>m | DTO<br>m | SAMPLE<br>No. | LITHOLOGY | Ag<br>ppm | As<br>ppm | Bi<br>ppm | Ca<br>ppm | Cd<br>ppm | Co<br>ppm | Cu<br>ppm | Fe<br>ppm | K<br>ppm | Mg<br>ppm | Mn<br>ppm | Mo<br>ppm | Na<br>ppm | Ni<br>ppm | P<br>ppm | Pb<br>ppm | Th<br>ppm | U<br>ppm | Zn<br>ppm |
|------------|----------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|----------|-----------|
| 0          | 5        | 3749553       | GCA's     | -1        | 6         | -5        | 117700    | -5        | 6         | 97        | 4000      | 5700     | 2100      | 115       | -5        | 1100      | 6         | 58300    | 106       | 5         | 80       | 98        |
| 5          | 10       | 3749554       | GCA's     | -1        | -5        | -5        | 292000    | -5        | 9         | 126       | 1900      | 1800     | 800       | 149       | -5        | 700       | 10        | 127700   | 35        | -2        | 94       | 145       |
| 10         | 15       | 3749555       | GCA's     | 1         | -5        | -5        | 207200    | -5        | -5        | 106       | 4000      | 2800     | 900       | 138       | -5        | 600       | 14        | 91500    | 39        | -2        | 55       | 96        |
| 15         | 20       | 3749556       | GCA's     | -1        | 7         | -5        | 126300    | -5        | -5        | 69        | 6300      | 2700     | 900       | 101       | -5        | 300       | 16        | 57200    | 32        | -2        | 24       | 84        |
| 20         | 25       | 3749557       | GCA's     | -1        | -5        | -5        | 148400    | -5        | -5        | 71        | 6800      | 1400     | 500       | 99        | -5        | 300       | 19        | 68300    | 13        | -2        | 27       | 88        |
| 25         | 30       | 3749558       | GCA's     | -1        | -5        | -5        | 89000     | -5        | -5        | 34        | 6900      | 3700     | 800       | 76        | -5        | 300       | 20        | 44100    | 8         | -2        | -2       | 118       |
| 30         | 35       | 3749559       | GCA's     | -1        | 13        | -5        | 59100     | -5        | -5        | 34        | 10300     | 4800     | 1200      | 78        | -5        | 1300      | 24        | 29600    | 9         | -2        | -2       | 114       |
| 35         | 40       | 3749560       | GCA's     | -1        | 9         | -5        | 24100     | -5        | 15        | 7         | 20600     | 6800     | 1800      | 264       | -5        | 800       | 45        | 11300    | 7         | 10        | -2       | 212       |
| 40         | 45       | 3749561       | GCA's     | -1        | 12        | -5        | 19000     | -5        | 13        | 7         | 25500     | 7400     | 1700      | 398       | -5        | 600       | 38        | 8900     | 7         | 4         | -2       | 206       |
| 45         | 50       | 3749562       | GCA's     | -1        | 10        | -5        | 16800     | -5        | 5         | 9         | 15100     | 8000     | 1700      | 115       | -5        | 900       | 20        | 7900     | 8         | 6         | -2       | 101       |
| 50         | 55       | 3749563       | GCA's     | -1        | 16        | -5        | 37400     | -5        | 17        | 8         | 16300     | 8700     | 2700      | 277       | -5        | 1300      | 38        | 16900    | -5        | 7         | -2       | 140       |
| 55         | 60       | 3749564       | GCA's     | -1        | 10        | -5        | 50000     | -5        | 10        | 13        | 9600      | 5900     | 1600      | 362       | -5        | 400       | 30        | 23300    | 5         | 5         | 6        | 127       |
| 60         | 65       | 3749565       | GCA's     | -1        | 11        | -5        | 120500    | -5        | 7         | 33        | 7000      | 7300     | 2100      | 198       | -5        | 800       | 22        | 55900    | 24        | 6         | 11       | 119       |
| 65         | 70       | 3749566       | GCA's     | -1        | 20        | -5        | 140000    | -5        | 8         | 46        | 8000      | 4300     | 1300      | 138       | -5        | 200       | 24        | 62500    | 18        | -2        | 17       | 118       |
| 70         | 75       | 3749567       | GCA's     | -1        | 22        | -5        | 81800     | -5        | 13        | 43        | 7000      | 4200     | 1500      | 301       | -5        | 600       | 23        | 38300    | 17        | -2        | 9        | 97        |
| 75         | 80       | 3749568       | GCA's     | -1        | 14        | -5        | 25100     | -5        | 13        | 27        | 7100      | 4100     | 600       | 219       | -5        | 600       | 22        | 12400    | 15        | 6         | -2       | 67        |
| 80         | 85       | 3749569       | GCA's     | -1        | 10        | -5        | 21700     | -5        | 12        | 36        | 10900     | 4500     | 600       | 191       | -5        | 500       | 30        | 10600    | 14        | 8         | 4        | 100       |
| 85         | 90       | 3749570       | GCBa      | -1        | 7         | -5        | 8200      | -5        | 7         | 13        | 11700     | 4500     | 900       | 196       | -5        | 800       | 18        | 4430     | 13        | 5         | 4        | 66        |

**CRA EXPLORATION PTY LIMITED  
PD94JR5 DRILL HOLE LEDGER**

|                 |               |                  |         |                    |               |
|-----------------|---------------|------------------|---------|--------------------|---------------|
| <u>EL NAME</u>  | JERVOIS RANGE | <u>AMG EAST</u>  | 626150  | <u>AZIMUTH</u>     | 0             |
| <u>PROSPECT</u> | PATANELLA     | <u>AMG NORTH</u> | 7501396 | <u>INCLINATION</u> | -90           |
| <u>LAB USED</u> | ALS ALICE SP  | <u>ZONE</u>      | 53      | <u>DRILLERS</u>    | GOREY & COLE  |
| <u>DPO No's</u> | 49127         | <u>RL COLLAR</u> | 489     | <u>DRILL TYPE</u>  | VICKERS KEOGH |

|                    |          |
|--------------------|----------|
| <u>COMMENCED</u>   | 07/03/94 |
| <u>COMPLETED</u>   | 08/03/94 |
| <u>CASING LEFT</u> | 6M PVC   |
| <u>TOTAL DEPTH</u> | 80       |

| DFROM<br>m | DTO<br>m | SAMPLE<br>No. | LITHOLOGY | COLOUR  | TEXTURE | MAJOR<br>MIN | MINOR<br>MIN | TRACE<br>MIN | CPS | MAG SUS<br>X 10(-5) SI | COMMENTS |
|------------|----------|---------------|-----------|---------|---------|--------------|--------------|--------------|-----|------------------------|----------|
| 0          | 5        | 3749571       | GCA's     | R, B, U | we      | Cy           | Qz           |              | 374 | 6                      |          |
| 5          | 10       | 3749572       | GCA's     | B, W, G | we      | Ch           | Cy           |              | 402 | 15                     |          |
| 10         | 15       | 3749573       | GCA's     | B, W, G | we      | Ch           | Cy           |              | 308 | 11                     |          |
| 15         | 20       | 3749574       | GCA's     | B, W, G | we      | Ch           | Cy           |              | 336 | 11                     |          |
| 20         | 25       | 3749575       | GCA's     | U, B    | we      | Cy           | Qz           |              | 388 | 12                     |          |
| 25         | 30       | 3749576       | GCA's     | U, B    | we      | Cy           | Qz           |              | 353 | 15                     |          |
| 30         | 35       | 3749577       | GCA's     | U, B    | we      | Cy           | Qz           |              | 366 | 14                     |          |
| 35         | 40       | 3749578       | GCA's     | U, B    | we      | Cy           | Qz           |              | 347 | 14                     |          |
| 40         | 45       | 3749579       | GCA's     | U, B    | we      | Cy           | Qz           |              | 345 | 15                     |          |
| 45         | 50       | 3749580       | GCA's     | U, B    | we      | Cy           | Qz           |              | 348 | 13                     |          |
| 50         | 55       | 3749581       | GCBa      | R, B    |         |              | Qz           | He           | 355 | 15                     |          |
| 55         | 60       | 3749582       | GCBa      | R, B    |         |              | Qz           | He           | 339 | 33                     |          |
| 60         | 65       | 3749583       | GCBa      | R, B    |         |              | Qz           | He           | 331 | 20                     |          |
| 65         | 70       | 3749584       | GCBa      | R, B    |         |              | Qz           | He           | 338 | 23                     |          |
| 70         | 75       | 3749585       | GCBa      | R, B    |         |              | Qz           | He           | 334 | 48                     |          |
| 75         | 80       | 3749586       | GCBa      | R, B    |         |              | Qz           | He           | 318 | 70                     |          |

**CRA EXPLORATION PTY LIMITED  
PD94JR5 DRILL HOLE LEDGER**

| <u>EL NAME</u>    | <u>JERVOIS RANGE</u> | <u>AMG EAST</u>      | 626150           | <u>AZIMUTH</u>     | 0                | <u>COMMENCED</u>   | 07/03/94         |                  |                  |                  |                  |                 |                  |                  |                  |                  |                  |                 |                  |                  |                 |                  |
|-------------------|----------------------|----------------------|------------------|--------------------|------------------|--------------------|------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|-----------------|------------------|
| <u>PROSPECT</u>   | <u>PATANELLA</u>     | <u>AMG NORTH</u>     | 7501396          | <u>INCLINATION</u> | -90              | <u>COMPLETED</u>   | 08/03/94         |                  |                  |                  |                  |                 |                  |                  |                  |                  |                  |                 |                  |                  |                 |                  |
| <u>LAB USED</u>   | <u>ALS ALICE SP</u>  | <u>ZONE</u>          | 53               | <u>DRILLERS</u>    | GOREY & COLE     | <u>CASING LEFT</u> | 6M PVC           |                  |                  |                  |                  |                 |                  |                  |                  |                  |                  |                 |                  |                  |                 |                  |
| <u>DPO No's</u>   | 49127                | <u>BL COLLAR</u>     | 489              | <u>DRILL TYPE</u>  | VICKERS KEOGH    | <u>TOTAL DEPTH</u> | 80               |                  |                  |                  |                  |                 |                  |                  |                  |                  |                  |                 |                  |                  |                 |                  |
| <u>DFROM</u><br>m | <u>DTO</u><br>m      | <u>SAMPLE</u><br>No. | <u>LITHOLOGY</u> | <u>Ag</u><br>ppm   | <u>As</u><br>ppm | <u>Bi</u><br>ppm   | <u>Ca</u><br>ppm | <u>Cd</u><br>ppm | <u>Co</u><br>ppm | <u>Cu</u><br>ppm | <u>Fe</u><br>ppm | <u>K</u><br>ppm | <u>Mg</u><br>ppm | <u>Mn</u><br>ppm | <u>Mo</u><br>ppm | <u>Na</u><br>ppm | <u>Ni</u><br>ppm | <u>P</u><br>ppm | <u>Pb</u><br>ppm | <u>Th</u><br>ppm | <u>U</u><br>ppm | <u>Zn</u><br>ppm |
| 0                 | 5                    | 3749571              | GCA's            | -1                 | 9                | -5                 | 8400             | -5               | 6                | 94               | 16400            | 5600            | 1800             | 44               | -5               | 1000             | 12               | 10200           | 97               | 7                | 17              | 133              |
| 5                 | 10                   | 3749572              | GCA's            | 1                  | 10               | -5                 | 13000            | -5               | 15               | 279              | 19900            | 2600            | 400              | 78               | -5               | 1500             | 28               | 23300           | 34               | 6                | 39              | 496              |
| 10                | 15                   | 3749573              | GCA's            | -1                 | 14               | -5                 | 9600             | -5               | -5               | 58               | 10900            | 3000            | 500              | 42               | -5               | 1500             | 20               | 16500           | 11               | 7                | 19              | 116              |
| 15                | 20                   | 3749574              | GCA's            | -1                 | 6                | -5                 | 31600            | -5               | 12               | 52               | 8900             | 3700            | 500              | 50               | -5               | 1300             | 18               | 21900           | 8                | 9                | 4               | 156              |
| 20                | 25                   | 3749575              | GCA's            | -1                 | 5                | -5                 | 29000            | -5               | 12               | 19               | 9700             | 4500            | 800              | 49               | -5               | 1100             | 22               | 17100           | -5               | 6                | -2              | 141              |
| 25                | 30                   | 3749576              | GCA's            | -1                 | 6                | -5                 | 20800            | -5               | -5               | 11               | 6700             | 5700            | 1000             | 28               | -5               | 800              | 13               | 11300           | -5               | 7                | -2              | 86               |
| 30                | 35                   | 3749577              | GCA's            | -1                 | 8                | -5                 | 35400            | -5               | -5               | 9                | 7000             | 5600            | 900              | 29               | -5               | 900              | 12               | 16400           | 7                | 4                | -2              | 119              |
| 35                | 40                   | 3749578              | GCA's            | -1                 | -5               | -5                 | 27100            | -5               | -5               | 7                | 7400             | 5500            | 1200             | 25               | -5               | 800              | 13               | 12600           | -5               | 6                | -2              | 123              |
| 40                | 45                   | 3749579              | GCA's            | -1                 | 13               | -5                 | 167200           | -5               | -5               | 31               | 12500            | 4500            | 1400             | 67               | -5               | 400              | 26               | 71800           | 8                | -2               | -2              | 268              |
| 45                | 50                   | 3749580              | GCA's            | -1                 | 17               | -5                 | 64100            | -5               | 80               | 68               | 13000            | 7600            | 2000             | 378              | -5               | 1100             | 43               | 29500           | 27               | 11               | -2              | 185              |
| 50                | 55                   | 3749581              | GCBa             | -1                 | 7                | -5                 | 4300             | -5               | -5               | 28               | 18600            | 11400           | 2900             | 38               | -5               | 1600             | 25               | 2830            | 11               | 14               | -2              | 88               |
| 55                | 60                   | 3749582              | GCBa             | -1                 | 13               | -5                 | 3000             | -5               | 34               | 9                | 15000            | 5700            | 1400             | 130              | -5               | 800              | 23               | 1840            | 9                | 7                | -2              | 57               |
| 60                | 65                   | 3749583              | GCBa             | -1                 | 15               | -5                 | 2100             | -5               | -5               | 7                | 10800            | 5200            | 1100             | 26               | -5               | 600              | 10               | 1660            | -5               | -2               | -2              | 35               |
| 65                | 70                   | 3749584              | GCBa             | -1                 | 12               | -5                 | 3300             | -5               | -5               | 6                | 11500            | 5800            | 1700             | 22               | -5               | 700              | 8                | 1960            | -5               | 5                | -2              | 35               |
| 70                | 75                   | 3749585              | GCBa             | -1                 | 7                | -5                 | 1300             | -5               | -5               | 6                | 11200            | 5200            | 1100             | 32               | -5               | 500              | 10               | 1040            | -5               | 4                | -2              | 34               |
| 75                | 80                   | 3749586              | GCBa             | -1                 | -5               | -5                 | 900              | -5               | -5               | -5               | 9300             | 4800            | 1100             | 22               | -5               | 500              | 8                | 698             | -5               | -2               | -2              | 24               |

**CRA EXPLORATION PTY LIMITED  
PD94JR6 DRILL HOLE LEDGER**

|                 |               |                  |         |                    |               |                    |          |
|-----------------|---------------|------------------|---------|--------------------|---------------|--------------------|----------|
| <u>EL NAME</u>  | JERVOIS RANGE | <u>AMG EAST</u>  | 626838  | <u>AZIMUTH</u>     | 0             | <u>COMMENCED</u>   | 08/03/94 |
| <u>PROSPECT</u> | PATANELLA     | <u>AMG NORTH</u> | 7501793 | <u>INCLINATION</u> | -90           | <u>COMPLETED</u>   | 08/03/94 |
| <u>LAB USED</u> | ALS ALICE SP  | <u>ZONE</u>      | 53      | <u>DRILLERS</u>    | GOREY & COLE  | <u>CASING LEFT</u> | 6M PVC   |
| <u>DPO No's</u> | 49127         | <u>RL COLLAR</u> | 316     | <u>DRILL TYPE</u>  | VICKERS KEOGH | <u>TOTAL DEPTH</u> | 96       |

| DFROM<br>m | DTO<br>m | SAMPLE<br>No. | LITHOLOGY | COLOUR  | TEXTURE | MAJOR<br>MIN | MINOR<br>MIN | TRACE<br>MIN | CPS | MAG SUS<br>X 10(-5) SI | COMMENTS |
|------------|----------|---------------|-----------|---------|---------|--------------|--------------|--------------|-----|------------------------|----------|
| 0          | 5        | 3749587       | GCA's     | R, B, U | we      | Ch           | Cy           |              | 229 | 20                     |          |
| 5          | 10       | 3749588       | GCA's     | R, B, U | we      | Cy           | Ch           |              | 202 | 7                      |          |
| 10         | 15       | 3749589       | GCA's     | U, W    | we      | Cy           | Ch           |              | 197 | 8                      |          |
| 15         | 20       | 3749590       | GCA's     | U, W    | we      | Cy           | Ch           |              | 196 | 7                      |          |
| 20         | 25       | 3749591       | GCA's     | U, W    | we      | Cy           | Ch           |              | 283 | 5                      |          |
| 25         | 30       | 3749592       | GCA's     | W, U    | we      | Cy           | Ch           |              | 294 | 6                      |          |
| 30         | 35       | 3749593       | GCA's     | W, U    | we      | Cy           | Ch           |              | 297 | 5                      |          |
| 35         | 40       | 3749594       | GCA's     | Y, B    | we      | Cy           | Ch           |              | 285 | 6                      |          |
| 40         | 45       | 3749595       | GCA's     | Y, B    | we      | Cy           | Ch           |              | 332 | 3                      |          |
| 45         | 50       | 3749596       | GCA's     | U, R-B  | we      | Cy           | Ch           |              | 321 | 6                      |          |
| 50         | 55       | 3749597       | GCBa      | R, B    |         | Qz           | He           |              | 276 | 21                     |          |
| 55         | 60       | 3749598       | GCBa      | R, B    |         | Qz           | He           |              | 203 | 30                     |          |
| 60         | 65       | 3749599       | GCBa      | R, B    |         | Qz           | He           | Gt           | 207 | 29                     |          |
| 65         | 70       | 3749600       | GCBa      | R, B    |         | Qz           | He           | Gt           | 195 | 43                     |          |
| 70         | 75       | 3749601       | GCBa      | R, B    |         | Qz           | He           | Gt           | 196 | 47                     |          |
| 75         | 80       | 3749602       | GCBa      | W       |         | Qz           |              |              | 197 | 46                     |          |
| 80         | 85       | 3749603       | GCBa      | R, B    |         | Qz           | He           | Gt           | 193 | 32                     |          |
| 85         | 90       | 3749604       | GCBa      | R, B    |         | Qz           | He           | Gt           | 191 | 17                     |          |
| 90         | 96       | 3749605       | GCBa      | R, B    |         | Qz           | He           | Gt           | 192 | 12                     |          |

**CRA EXPLORATION PTY LIMITED  
PD94JR6 DRILL HOLE LEDGER**

| <u>EL NAME</u>    | <u>JERVOIS RANGE</u> | <u>AMG EAST</u>      | 626838           | <u>AZIMUTH</u>     | 0                | <u>COMMENCED</u>   | 08/03/94         |                  |                  |                  |                  |                 |                  |                  |                  |                  |                  |                 |                  |                  |                 |                  |
|-------------------|----------------------|----------------------|------------------|--------------------|------------------|--------------------|------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|-----------------|------------------|
| <u>PROSPECT</u>   | <u>PATANELLA</u>     | <u>AMG NORTH</u>     | 7501793          | <u>INCLINATION</u> | -90              | <u>COMPLETED</u>   | 08/03/94         |                  |                  |                  |                  |                 |                  |                  |                  |                  |                  |                 |                  |                  |                 |                  |
| <u>LAB_USED</u>   | <u>ALS ALICE SP</u>  | <u>ZONE</u>          | 53               | <u>DRILLERS</u>    | GOREY & COLE     | <u>CASING LEFT</u> | 6M PVC           |                  |                  |                  |                  |                 |                  |                  |                  |                  |                  |                 |                  |                  |                 |                  |
| <u>DPQ No's</u>   | 49127                | <u>RI COLLAR</u>     | 316              | <u>DRILL TYPE</u>  | VICKERS KEOGH    | <u>TOTAL DEPTH</u> | 96               |                  |                  |                  |                  |                 |                  |                  |                  |                  |                  |                 |                  |                  |                 |                  |
| <u>DFROM</u><br>m | <u>DTO</u><br>m      | <u>SAMPLE</u><br>No. | <u>LITHOLOGY</u> | <u>Ag</u><br>ppm   | <u>As</u><br>ppm | <u>Bi</u><br>ppm   | <u>Ca</u><br>ppm | <u>Cd</u><br>ppm | <u>Co</u><br>ppm | <u>Cu</u><br>ppm | <u>Fe</u><br>ppm | <u>K</u><br>ppm | <u>Mg</u><br>ppm | <u>Mn</u><br>ppm | <u>Mo</u><br>ppm | <u>Na</u><br>ppm | <u>Ni</u><br>ppm | <u>P</u><br>ppm | <u>Pb</u><br>ppm | <u>Th</u><br>ppm | <u>U</u><br>ppm | <u>Zn</u><br>ppm |
| 0                 | 5                    | 3749587              | GCA's            | -1                 | -5               | -5                 | 14900            | -5               | -5               | 52               | 17200            | 2600            | 1100             | 50               | -5               | 900              | 14               | 12700           | 7                | -2               | 27              | 157              |
| 5                 | 10                   | 3749588              | GCA's            | -1                 | 7                | -5                 | 7800             | -5               | -5               | 18               | 13600            | 3900            | 600              | 91               | -5               | 1300             | 14               | 9840            | 14               | 4                | 14              | 139              |
| 10                | 15                   | 3749589              | GCA's            | -1                 | -5               | -5                 | 4700             | -5               | -5               | 22               | 34200            | 5100            | 900              | 56               | -5               | 1400             | 25               | 6840            | 6                | 10               | -2              | 121              |
| 15                | 20                   | 3749590              | GCA's            | -1                 | -5               | -5                 | 8600             | -5               | -5               | 22               | 27200            | 6200            | 1100             | 39               | -5               | 1400             | 30               | 7200            | 7                | 8                | -2              | 114              |
| 20                | 25                   | 3749591              | GCA's            | -1                 | -5               | -5                 | 47500            | -5               | 16               | 8                | 11700            | 7600            | 1500             | 144              | -5               | 1500             | 18               | 22200           | 8                | 5                | -2              | 83               |
| 25                | 30                   | 3749592              | GCA's            | -1                 | -5               | -5                 | 26100            | -5               | 9                | 6                | 8300             | 6600            | 1000             | 54               | -5               | 700              | 13               | 12300           | 5                | 6                | -2              | 60               |
| 30                | 35                   | 3749593              | GCA's            | -1                 | -5               | -5                 | 51900            | -5               | 10               | 10               | 8000             | 9900            | 2100             | 68               | -5               | 1300             | 13               | 24000           | 13               | 7                | -2              | 88               |
| 35                | 40                   | 3749594              | GCA's            | -1                 | 16               | -5                 | 58200            | -5               | 20               | 40               | 10600            | 7100            | 1600             | 119              | -5               | 1400             | 20               | 26900           | 26               | 6                | -2              | 90               |
| 40                | 45                   | 3749595              | GCA's            | -1                 | 15               | -5                 | 19800            | -5               | -5               | 65               | 7900             | 12800           | 2000             | 39               | -5               | 1300             | 14               | 9930            | 31               | 13               | 5               | 48               |
| 45                | 50                   | 3749596              | GCA's            | -1                 | -5               | -5                 | 1100             | -5               | -5               | 22               | 10300            | 14500           | 1900             | 21               | -5               | 1200             | 11               | 1290            | 16               | 19               | -2              | 31               |
| 50                | 55                   | 3749597              | GCBa             | -1                 | -5               | -5                 | 2000             | -5               | -5               | 6                | 7100             | 5900            | 1000             | 26               | -5               | 800              | 10               | 1350            | 8                | 9                | -2              | 43               |
| 55                | 60                   | 3749598              | GCBa             | -1                 | 9                | -5                 | 3100             | -5               | -5               | 5                | 9500             | 6100            | 1100             | 25               | -5               | 400              | 9                | 1680            | -5               | -2               | -2              | 39               |
| 60                | 65                   | 3749599              | GCBa             | -1                 | 13               | -5                 | 1000             | -5               | -5               | -5               | 5800             | 4400            | 800              | 17               | -5               | 400              | -5               | 515             | -5               | 4                | -2              | 11               |
| 65                | 70                   | 3749600              | GCBa             | -1                 | -5               | -5                 | 1800             | -5               | -5               | -5               | 10500            | 8800            | 1000             | 24               | -5               | 500              | 8                | 1020            | -5               | 4                | -2              | 16               |
| 70                | 75                   | 3749601              | GCBa             | -1                 | 12               | -5                 | 1900             | -5               | -5               | -5               | 10500            | 7900            | 1400             | 30               | -5               | 600              | 10               | 1120            | -5               | 6                | -2              | 17               |
| 75                | 80                   | 3749602              | GCBa             | -1                 | -5               | -5                 | 1800             | -5               | -5               | -5               | 7000             | 4300            | 700              | 23               | -5               | 200              | 8                | 995             | -5               | 4                | -2              | 16               |
| 80                | 85                   | 3749603              | GCBa             | -1                 | -5               | -5                 | 1300             | -5               | -5               | -5               | 6400             | 1900            | 300              | 27               | -5               | 100              | 8                | 810             | -5               | -2               | -2              | 17               |
| 85                | 90                   | 3749604              | GCBa             | -1                 | 7                | -5                 | 600              | -5               | -5               | -5               | 8300             | 3300            | 600              | 22               | -5               | 200              | 9                | 408             | -5               | -2               | -2              | 31               |
| 90                | 96                   | 3749605              | GCBa             | -1                 | 8                | -5                 | 500              | -5               | -5               | -5               | 11300            | 5800            | 1000             | 30               | -5               | 300              | 15               | 322             | -5               | 4                | -2              | 28               |

APPENDIX IV

EL 8116 JERVOIS RANGE  
PATANELLA PROSPECT

**Rehabilitation Photographs**



Photograph No. 1  
Rehabilitated access track east of Eurolley Bore



Photograph No. 2  
Rehabilitated drill site PD94JR01-looking N. Location: 7501260N 623975E





Photograph No. 3  
Rehabilitated drill site PD94JR02-looking N. Location: 7500650N 624260E.



Photograph No. 4  
Rehabilitated drill site PD94JR03-looking E. Location: 7500020N 623620E





Photograph No. 5  
Rehabilitated drill site PD94JR04-looking S. Location: 7501710N 625065E.

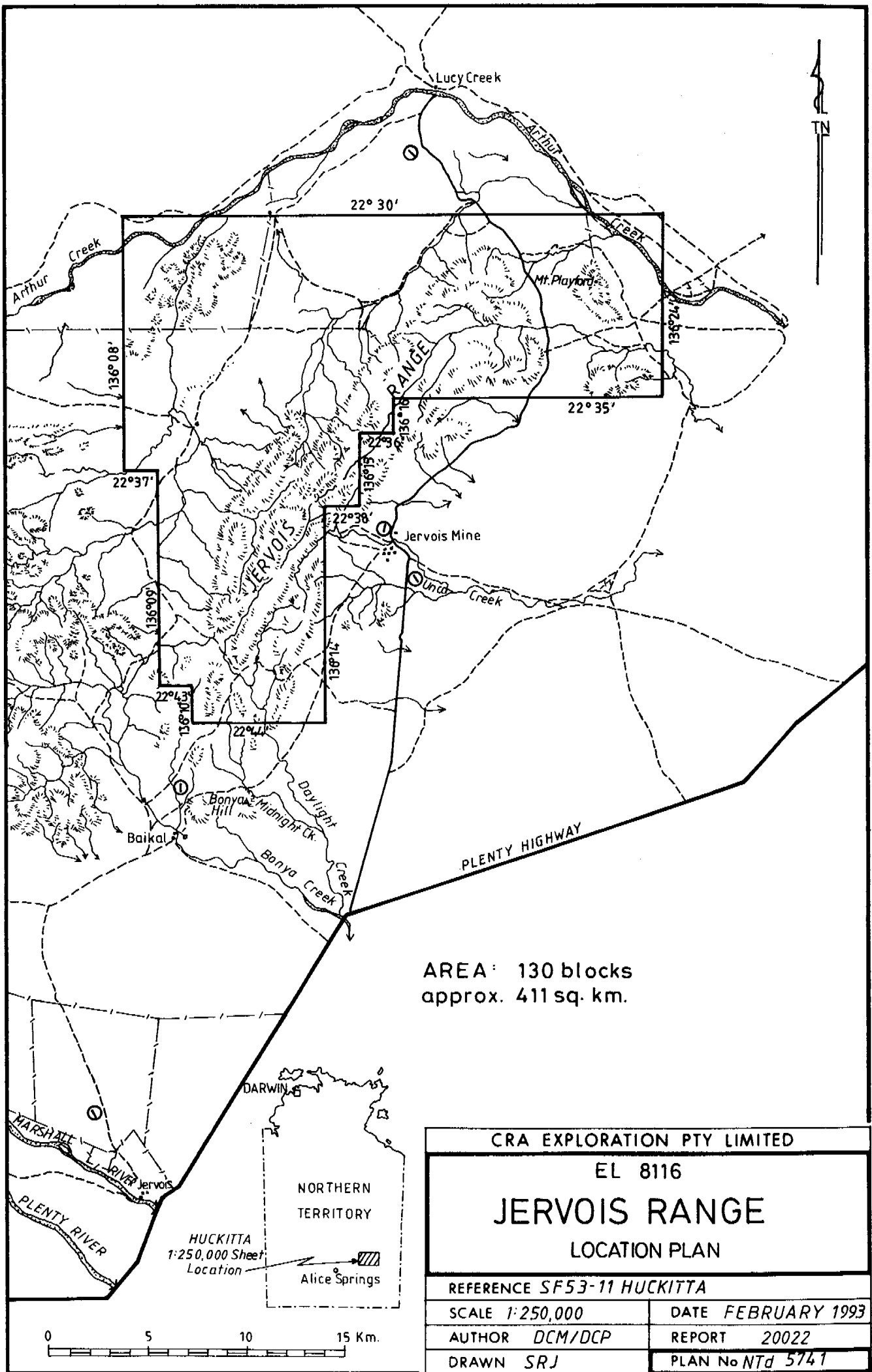


Photograph No. 6  
Rehabilitated drill site PD94JR05-looking E. Location: 7501390N 626150E



Photograph No. 7

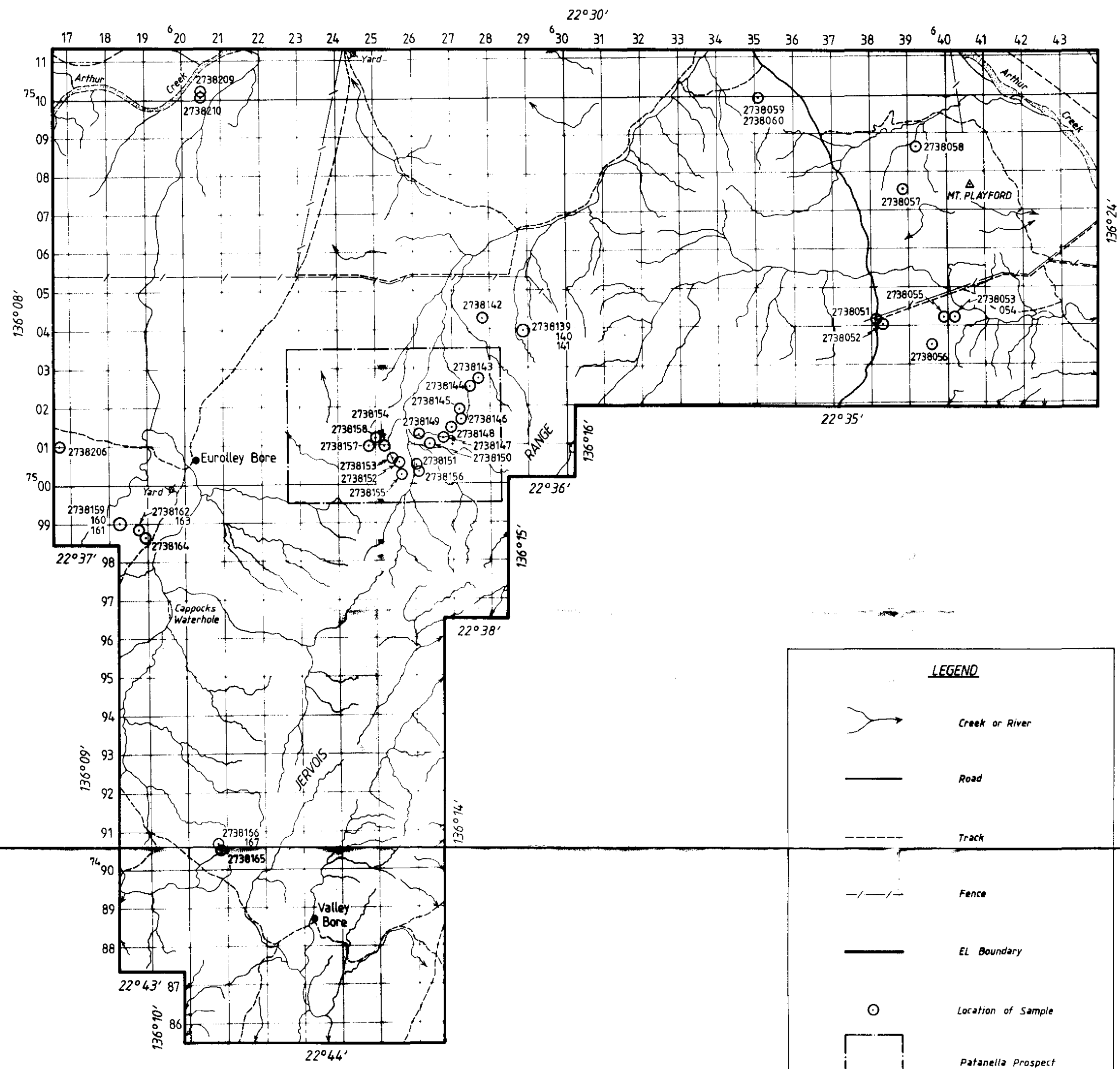
Rehabilitated drill site PD94JR06-looking N. Location: 7501790N 626830E.





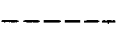
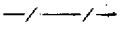



AREA: 130 blocks  
 approx. 411 sq. km.

|                             |                    |
|-----------------------------|--------------------|
| CRA EXPLORATION PTY LIMITED |                    |
| EL 8116                     |                    |
| <b>JERVOIS RANGE</b>        |                    |
| LOCATION PLAN               |                    |
| REFERENCE SF53-11 HUCKITTA  |                    |
| SCALE 1:250,000             | DATE FEBRUARY 1993 |
| AUTHOR DCM/DCP              | REPORT 20022       |
| DRAWN SRJ                   | PLAN No NTd 5741   |

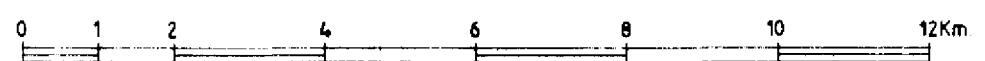




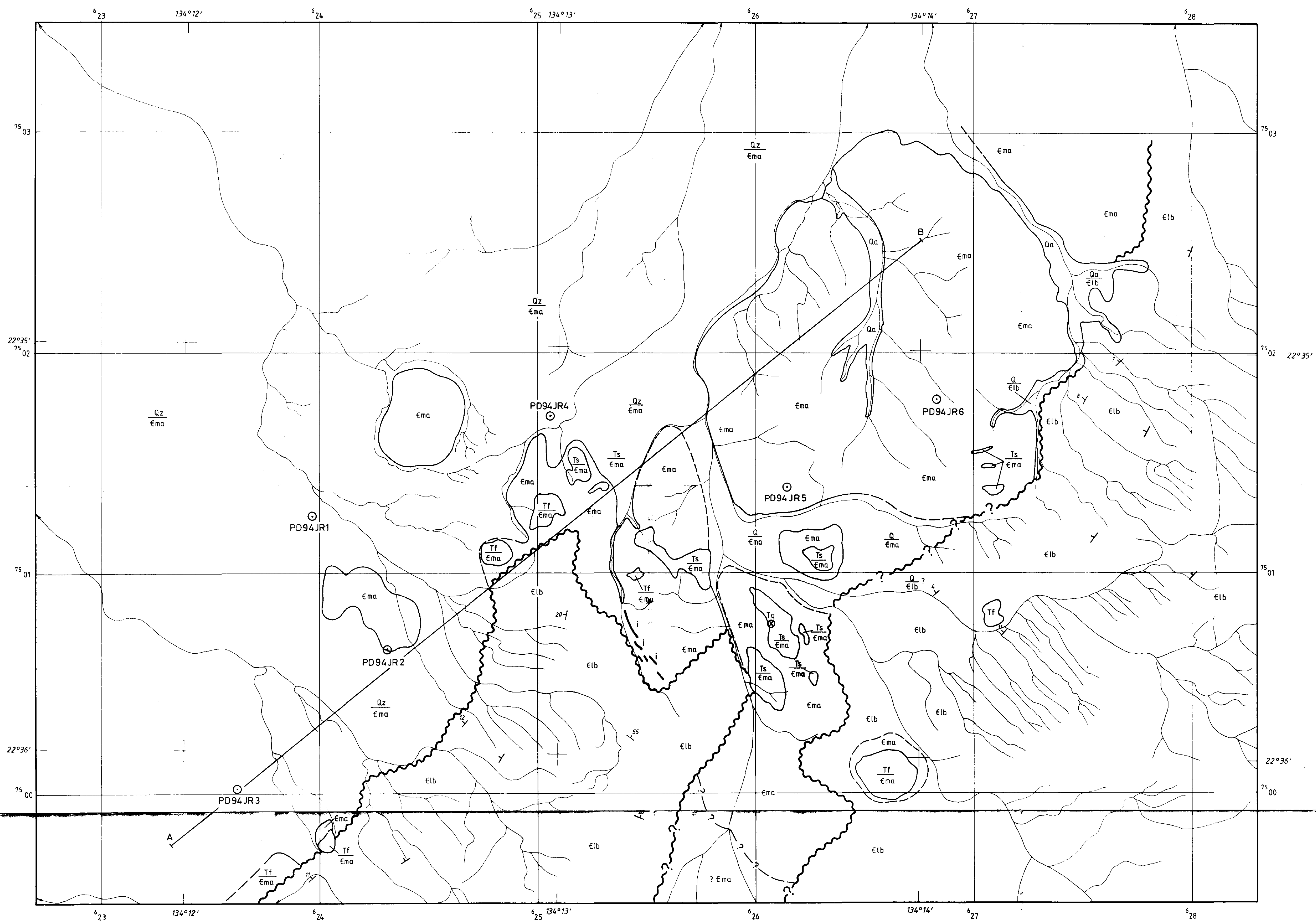
**LEGEND**

-  Creek or River
-  Road
-  Track
-  Fence
-  EL Boundary
-  Location of Sample
-  Pafanelia Prospect Boundary

SCALE 1:100,000.

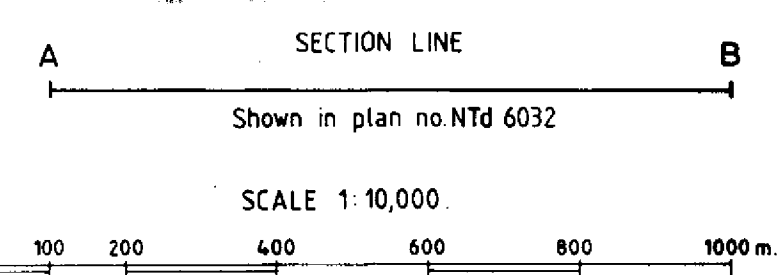


|  |                  |
|--|------------------|
| CRA EXPLORATION PTY LIMITED                                    |                  |
| <b>EL 8116 JERVOIS RANGE<br/>ROCK SAMPLE<br/>LOCATION PLAN</b> |                  |
| REFERENCE SF 53-11 HUCKITTA                                    |                  |
| SCALE 1:100,000  | DATE MAR. 1993   |
| AUTHOR DCM/DCP   | REPORT 20022     |
| DRAWN TTN  | PLAN No NYD 5765 |

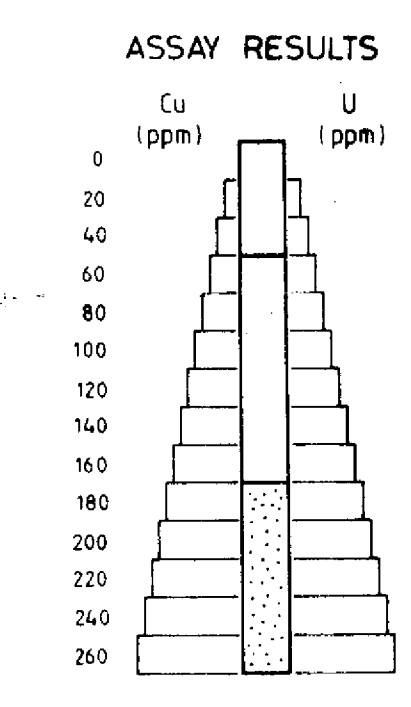
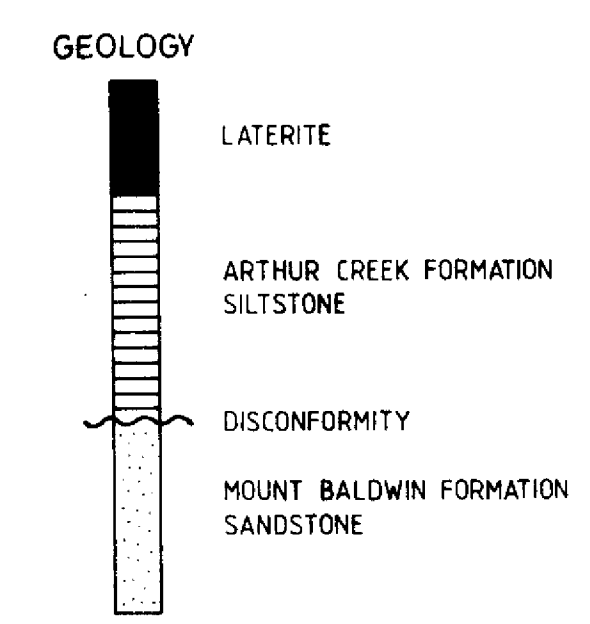
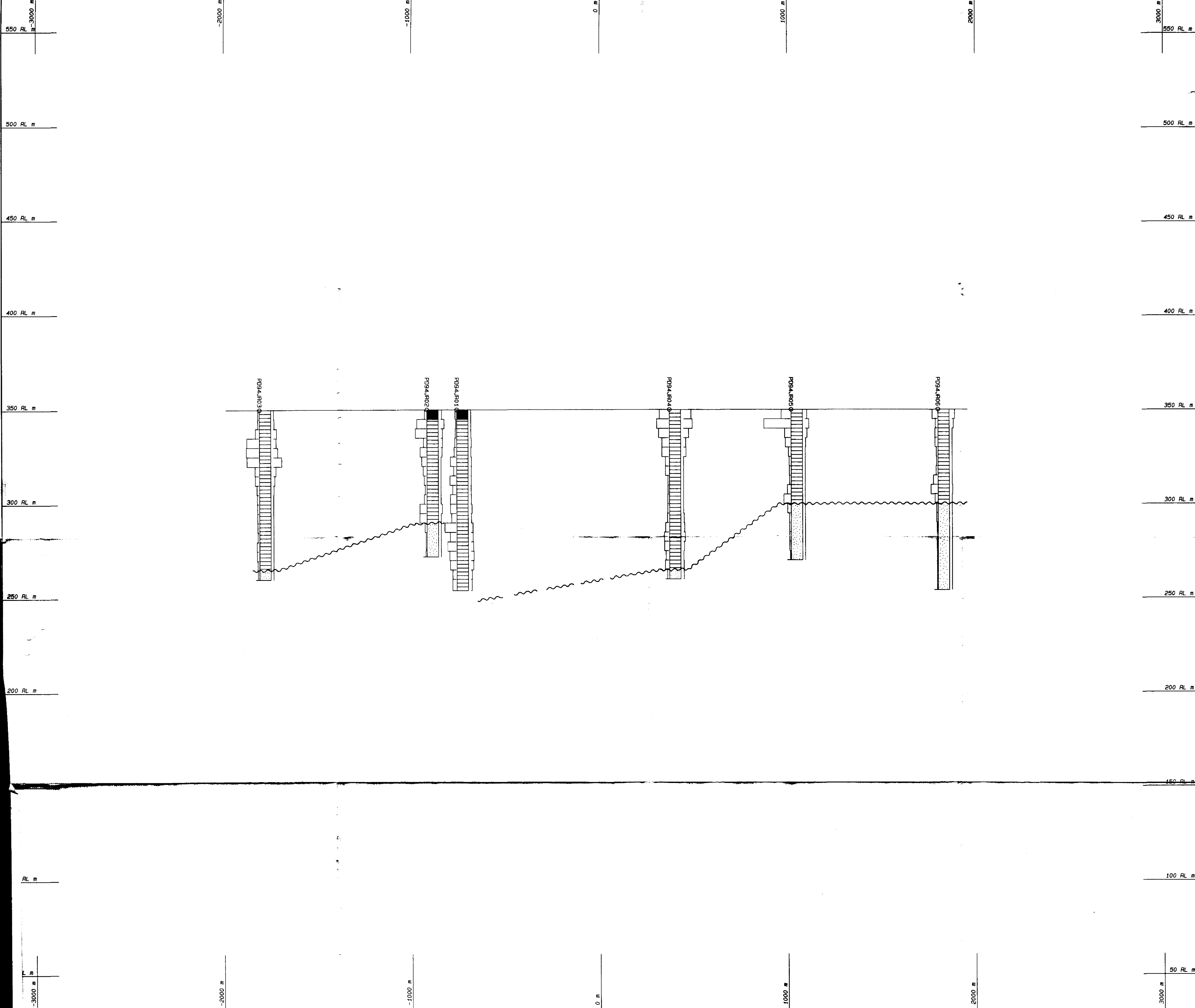


**LEGEND**

- Creek or River
- Disconformity surface
- Geological boundary distinct
- Geological boundary non-distinct
- Interpreted strike/dip direction
- Measured strike/dip (NTGS)
- Alluvium/soil (Quaternary)
- Turquoise Occurrence
- Ferricrete/silcrete (Tertiary) (f) (s)
- Ironstone (Fault?)
- Arthur Creek Formation
- Mt. Baldwin Formation
- DRILL HOLE LOCATIONS



|                                      |                      |
|--------------------------------------|----------------------|
| CRA EXPLORATION PTY LIMITED          |                      |
| EL 8116 JERVOIS RANGE                |                      |
| PATANELLA PROSPECT                   |                      |
| GEOLOGY AND DRILL HOLE LOCATION PLAN |                      |
| REFERENCE SF 53-11 HUCKITTA          |                      |
| SCALE 1:10,000                       | DATE MAY 93/MARCH 94 |
| AUTHOR DCP/DCM                       | REPORT 20022         |
| DRAWN TTN/SRJ                        | PLAN No NTD 5811     |



|                   |                     |                     |
|-------------------|---------------------|---------------------|
| Scale<br>1: 10000 | DATE<br>08/08/94    | SHEET<br>1 of 1     |
|                   | REF No.<br>NTd 6032 | REPORT No.<br>20022 |

**EL 8116**

JERVOIS RANGE  
 PD94JR01-06  
 DRILL SECTION  
 GEOLOGY HATCH, Cu  
 ppm (L) & U ppm (R)

CRA EXPLORATION PTY LTD  
 DARWIN NT