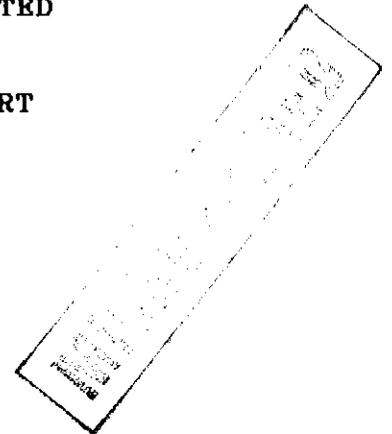
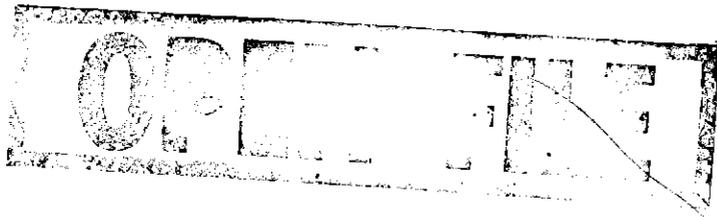


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721001

| MINES          |          |
|----------------|----------|
| File Ref.      | EL49/87  |
| 2 - NOV 1988   |          |
| Doc. Ref.      |          |
| Action Officer | Initials |
| LETTER         |          |
| 18. 10 '88     |          |
| REFERS         |          |
|                |          |
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|                |          |
| Resubmit to    | Date     |

**BILLITON AUSTRALIA**  
**THE METALS DIVISION OF**  
**THE SHELL COMPANY OF AUSTRALIA LIMITED**  
  
**FIRST ANNUAL & RELINQUISHMENT REPORT**  
  
**E.L. 49/87 - LOWER WILMOT**



Author : J.P. Randell  
 Date : October, 1988

Report No : 08.4240  
 Copy No : 1

Distribution : 1. Mines Department, Hobart  
 2. Billiton, Melbourne  
 3. Billiton, Devonport

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Appendix 1 : Stream sediment sample results

003

SUMMARY

Exploration licence 49/87 was granted to the Shell Company of Australia Ltd. for a 12 month period ending 12th December 1988. The licence is situated 25km south of Ulverstone on the north coast of Tasmania within a distal volcano-sedimentary Cambrian sequence of the Fossay Mountain Trough.

Tertiary basalt covers a substantial proportion of the licence. Cambrian lithologies are represented predominantly by an open marine turbidite sequence with evidence of minor seafloor volcanism. No alteration akin to a massive sulphide system was observed although outcrop is poor due to cultural developments.

A regional stream sediment survey (bulk cyanide leach and -80# sieved sediment) failed to produce markedly anomalous results that were reproduceable, or traceable upstream. A total of 69 sample sites were selected although parts of the licence remain untested due to cultural interference or access difficulties.

It is considered that these preliminary investigations of the licence have sufficiently tested the area for the presence of a major, relatively shallow, volcanogenic massive sulphide deposit.

It is recommended that no further work be done in the area, and the licence be relinquished.

004

## 1. INTRODUCTION

This report summarizes exploration carried out and results achieved on EL 49/87 during the period 12th December 1987 to 12th October 1988. This is the first and final report representing all exploration completed by the company since the licence was granted.

## 2. LOCATION

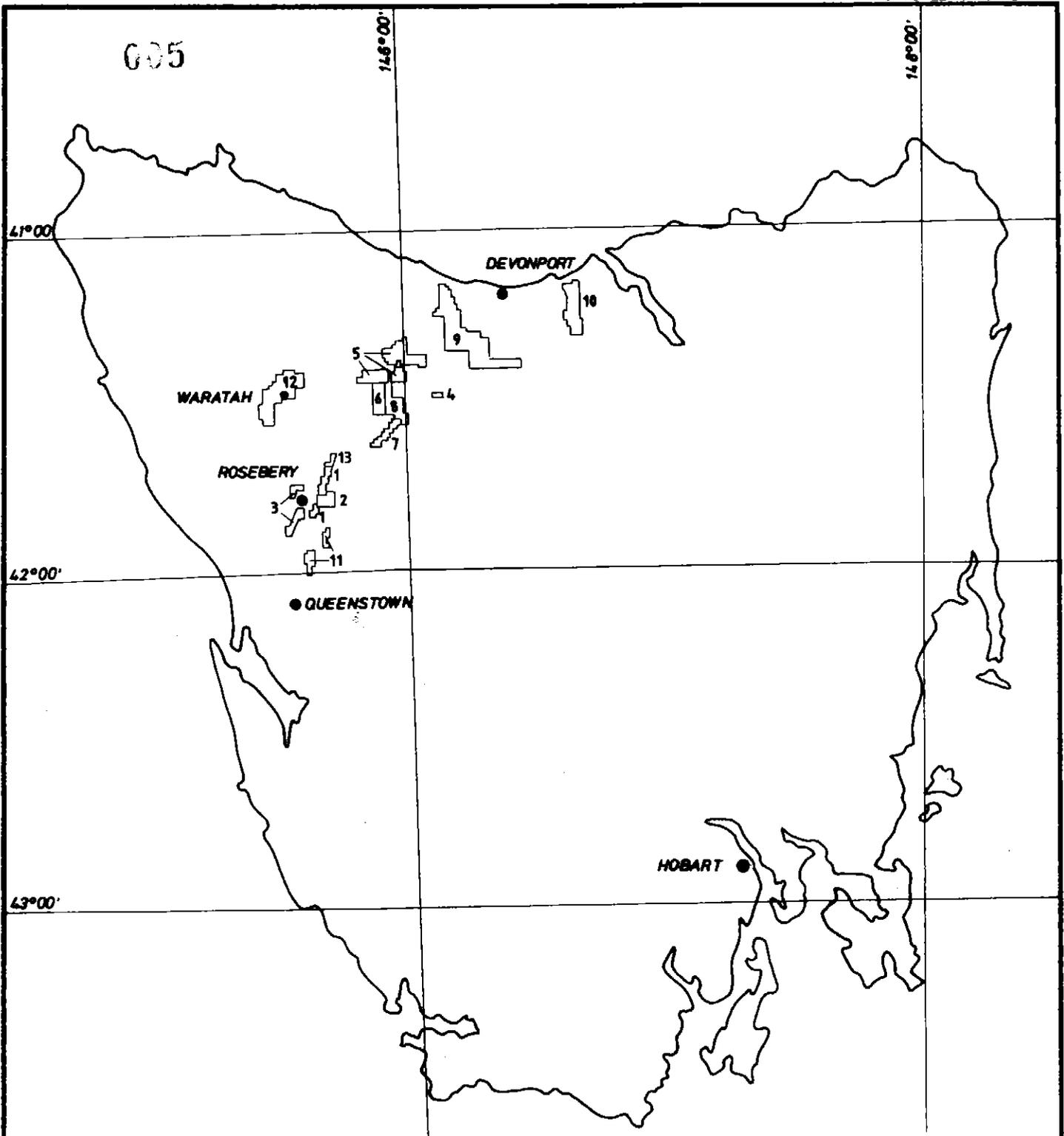
The licence is centred on the township of Lower Wilmot, approximately 25 kms SSE of Ulverstone on the northern coast of Tasmania, and extends from North Motton (in the north) to Wilmot (in the south) and Sheffield (in the east). (see Figure 1).

## 3. LAND TENURE

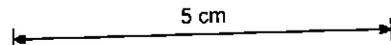
Exploration licence 49/87 was granted to the Shell Company of Australia Ltd. for a period of 12 months ending 12th December, 1988. The licence area, 229 km<sup>2</sup>, is comprised of 167.4km<sup>2</sup> Private Property, 56.6km<sup>2</sup> State Forest, 3.7km<sup>2</sup> Crown Land and 0.8km<sup>2</sup> land vested in the HEC (see Figure 2).

## 4. REGIONAL SETTING

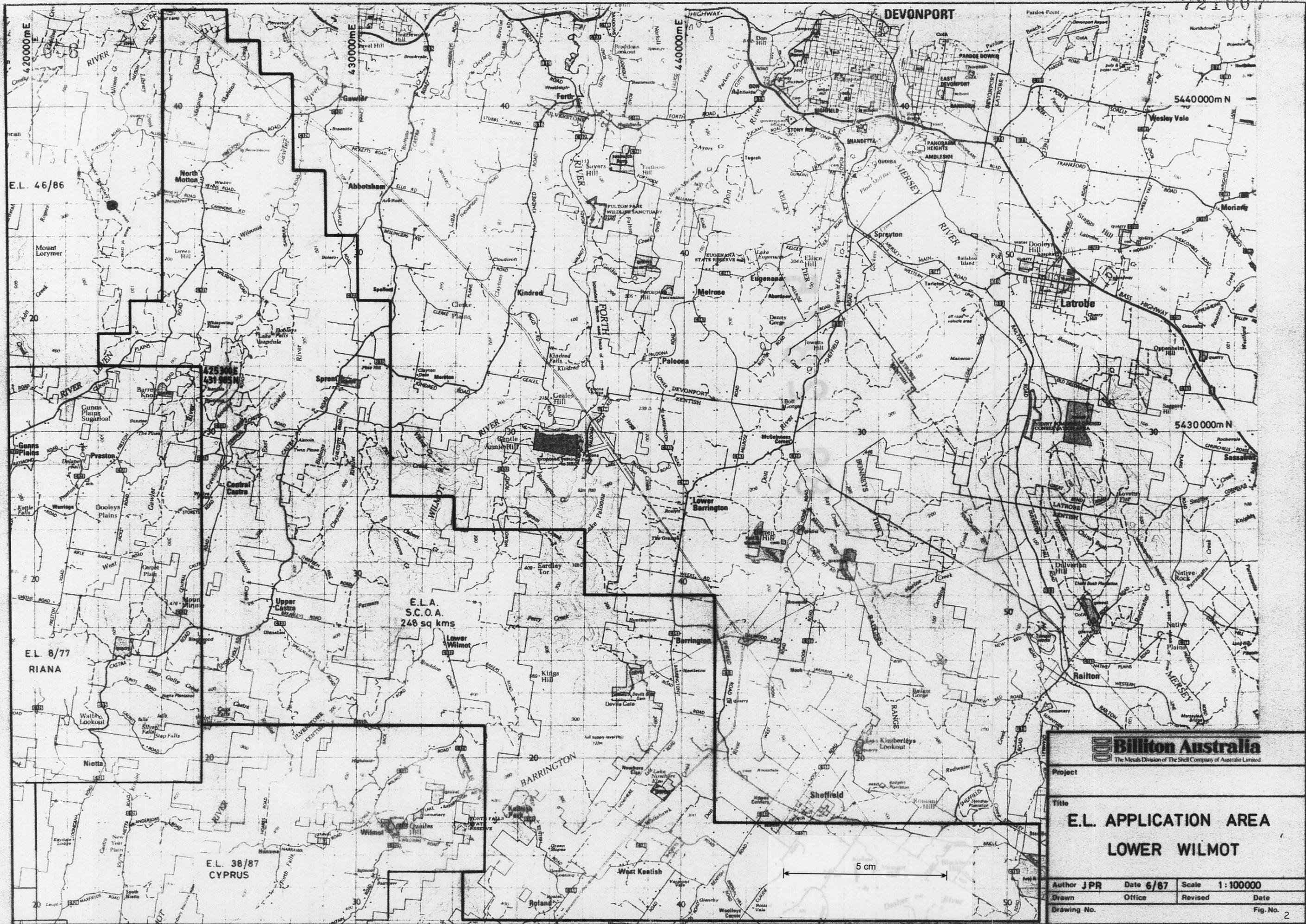
The licence area was pegged originally to secure exploration rights over a Cambrian volcano-sedimentary sequence in the northern portion of the Fossey Mountain Trough. It was considered at the time that this area held potential for the presence of a distal volcanogenic massive sulphide system as exemplified by the NW Canadian deposits of Faro and Vangorda, or more classic SED-EX style deposits such as Mt. Isa. A distal VMS deposit of Rosebery style was also envisaged as a potential target within the licence. The exploration programme was guided by these target characteristics.



| BLOCK | TENEMENT No. | PROJECT NAME                |
|-------|--------------|-----------------------------|
| 1     | E.L. 1/62    | ROSEBERRY EAST JV           |
| 2     | E.L. 29/88   | STERLING VALLEY JV          |
| 3     | M.L.s        | ROSEBERRY MINE EXTENSION JV |
| 4     | E.L. 71/74   | MOINA JV - MOINA            |
| 5     | E.L. 36/79   | MOINA JV - LOONGANA         |
| 6     | E.L. 39/83   | CATTLE RANGE                |
| 7     | E.L. 90/87   | BACK PEAK                   |
| 8     | E.L. 47/87   | BOND RANGE                  |
| 9     | E.L. 49/87   | LOWER WILMOT                |
| 10    | E.L. 50/87   | PORT SORELL                 |
| 11    | E.L. 103/87  | LAKE SELINA / BASIN LAKE    |
| 12    | E.L. 46/88   | WARATAH                     |
| 13    | E.L. 42/85   | LAKE MACKINTOSH             |



|                                     |                   |                          |                  |
|-------------------------------------|-------------------|--------------------------|------------------|
|                                     |                   |                          |                  |
| Project <b>TASMANIA</b>             |                   |                          |                  |
| Title <b>PROSPECT LOCATION PLAN</b> |                   |                          |                  |
| Author <b>DGH</b>                   | Date <b>6/88</b>  | Scale <b>1:1,500,000</b> |                  |
| Drawn <b>OH</b>                     | Office <b>TAS</b> | Revised                  | Date             |
| Drawing No.                         |                   |                          | Fig No. <b>1</b> |



E.L. 46/86

425300E  
431905N

E.L.A.  
S.C.O.A.  
248 sq kms

E.L. 8/77  
RIANA

E.L. 38/87  
CYPRUS

5 cm

**Billton Australia**  
The Metals Division of The Shell Company of Australia Limited

|             |   |         |            |
|-------------|---|---------|------------|
| Project     |   |         |            |
| Title       | <b>E.L. APPLICATION AREA<br/>LOWER WILMOT</b> |         |            |
| Author      | JPR   | Date    | 6/87       |
| Scale       | 1:100000                                      |         |            |
| Drawn       | Office  | Revised | Date       |
| Drawing No. |   |         | Fig. No. 2 |

The licence is covered by Tertiary basalt (40%), Ordovician sandstone (10%), Cambrian greywackes (30%) and Cambrian volcanics (20%) (see Figure 3). PreCambrian Burnie Formation rocks crop out on the extreme northern edge of the licence.

Three broad subdivisions of volcanic rocks are made according to mapping, by the Geological Survey of Tasmania. viz. EoCambrian Motton Spilite (pillowed basalt), Mid Cambrian feldspar phyric rhyodacite - dacite lavas, and andesite lavas. Reconnaissance mapping by the author suggested a significant acid component (rhyolite - rhyodacite) over and above more basic types. The dominant sedimentary lithology is a grey fissile siltstone with subordinate dirty micaceous sandstone within the greywacke sequence. Massive red to black siltstones crop out as minor occurrences.

Minor base metal mineralization is known to occur within the licence area at three localities: Lucas & Perry lode (pyrite silver), Duncan McLarens-Fork of the Gawlers (pyrite), Hebblethwaites Prospect (pyrite). Only the second of these has been examined but only minor scattered diggings were located. Minor quartz float in association with black silty sediments was noted in the vicinity of the diggings.

## 5. PREVIOUS WORK

An open file data search indicates that three companies have carried out exploration in the area generally. BHP in 1970 conducted an aeromagnetic survey and limited stream sediment survey within their licence 15/65. CRA carried out regional reconnaissance and stream sediment sampling during the 1970's within licence 19/72 and the reader is referred to an account by T. Porter in regard to the regional lithologies within the Fossey Mountain Trough. More recently, AUSTAMAX during the early 1980's carried out a regional stream sediment survey and mineral prospect evaluation within exploration licence 33/83.

Within EL 49/87, as far as can be ascertained, no detailed prospect evaluation has been carried out. All previous work has been confined to regional reconnaissance and stream sediment surveys.

#### 6. EXPLORATION COMPLETED

A series of four topographic base maps have been prepared (Figures 4-7) onto which additional exploration results may be compiled.

A regional stream sediment survey was carried out specifically to locate anomalous areas of gold geochemistry and to determine associated indicator element geochemistry. A total of 69 sample sites were selected to represent stream geochemistry from an areal catchment of 1-3 sq kms each. Complete coverage of the licence was hampered by abundant cultural development (eg pasture, dams, dwellings) and hence certain areas remain untested. In addition, a minority of streams that drain heavily cultured areas have been sampled but results should be assessed with caution. contaminants.

Two samples were collected at each site: a 5-6kg -1/4" stream sediment carefully selected along the stream avoiding sediment traps or bank material, and a -80# "normal" stream sediment sample. The former sample was collected in large plastic bags, allowed to settle and excess water decanted off. This sample was later despatched to Classic Comlabs for cyanide leach extraction and gold analysis. The -80# sample was dried and split to a 150gm subsample then analysed for Cu, Zn, Ag (AAS) Pb, Ba, As (XRF) and Au (FA). All stream sediment sample sites and results are shown on figures 8-11 and documented in Appendix 1.

A basic statistical treatment of the results from this programme indicates a number of weakly and strongly anomalous samples with respect to elemental thresholds.

Results of interest are listed below:

| <u>Site</u> | <u>Strongly Anomalous</u><br>(>97.5% of pop <sup>a</sup> ) | <u>Weakly Anomalous</u><br>(>67% of pop <sup>a</sup> ) |
|-------------|--|--|
| 53/43       | 1.3ppb Au (BCL)  |  |
| 53/12       | 0.08ppm Au   | 40ppm Cu   |
| 53/15       | 0.06ppm Au   | 46ppm Cu   |
| 53/9        | 58ppm Cu   |  |
| 53/16       | 66ppm Cu, 36ppm As   |  |
| 53/26       | 68ppm Cu   |  |
| 53/32       | 50ppm Cu   |  |
| 53/62       | 195ppm Zn  | 42ppm Cu   |
| 53/51       | 660ppm Ba  | 0.7ppb Au (BCL)  |
| 53/54       |  | 0.8ppb Au (BCL)  |
| 53/7        |  | 0.04ppm Au   |
| 53/61       |  | 40ppm Cu, 180ppm Zn                                    |
| 53/69       |  | 48ppm Cu   |
| 53/11       |  | 38ppm Cu   |
| 53/13       |  | 42ppm Cu   |
| 53/24       |  | 38ppm Cu   |
| 53/25       |  | 42ppm Cu, 140ppm Zn                                    |
| 53/29       |  | 40ppm Cu   |
| 53/35       |  | 40ppm Cu   |
| 53/50       |  | 46ppm Cu   |
| 53/59       |  | 38ppm Cu   |
| 53/60       |  | 180ppm Zn  |
| 53/36       |  | 540ppm Ba  |
| 53/57       |  | 510ppm Ba  |

Threshold values are considered to be:

|          |         |
|----------|---------|
| Au (BCL) | 0.7ppb  |
| Au (FA)  | 0.03ppm |
| Cu       | 35 ppm  |
| Zn       | 136ppm  |
| Ag       | 1 ppm   |
| Pb       | 208ppm  |
| As       | 21 ppm  |
| Ba       | 485ppm  |

Many low order anomalies are present but are typically anomalous in one element only. The following table lists those sample sites which are strongly anomalous and includes details of the local geological setting.

| <u>Site</u> | <u>Location</u> | <u>Local Setting</u>  | <u>Follow up</u>        |
|-------------|-----------------|---|-------------------------|
| 53/43       | Groove Creek    | Transition between rhyo-<br>dacitic volcanoclastics<br>& fine epiclastic sands. | Additional<br>sampling. |
| 53/12       | Nowhere Else    | Shales, sandstones of<br>Cateena Group.   | Additional<br>sampling. |
| 53/15       | Devils Gate     | Shales, sandstones +<br>draining Tertiary basalt.                               | Additional<br>sampling. |

|       |                    |   |                      |
|-------|--------------------|---|----------------------|
| 53/9  | Roland             | Sediments draining Tertiary basalt.                       | No                   |
| 53/16 | Devils Gate        | Fine acid volcanoclastics.                                | Additional sampling. |
| 53/26 | Lower Wilmot       | Tertiary basalt.  | No.                  |
| 53/32 | Central Castra     | Tertiary basalt.  | No.                  |
| 53/62 | West Gawler R.     | Dominantly Tertiary basalt.                               | No.                  |
| 53/51 | East Gawler R.     | Coarse rhyodacitic volcanoclastics, some Tertiary basalt. | Additional sampling. |
| 53/54 | North Lower Wilmot | Rhyodacitic volcanoclastics and sandstone/shale.          | Additional sampling. |

The remaining anomalies are low order Cu anomalies that reflect creeks draining Tertiary basalt. No follow up was recommended in these cases.

Sample sites 43, 12, 15, 16, 51, 54 were re-sampled (replicate sample) and additional samples were taken upstream from the original anomaly. Results of this work are shown in the table below and Figure 12, Appendix 1.

| <u>Original Sample</u>       | <u>Replicate Sample</u>         | <u>Follow up Samples</u>  |
|------------------------------|---------------------------------|---|
| 12 - 0.08ppm Au<br>40ppm Cu  | 15150 - <0.01ppm Au<br>32ppm Cu | 15151-54 All back-ground values   |
| No further work recommended. |                                 |   |
| 54 - 0.8ppb Au BCL           | 15124 - 0.2ppb Au BCL           | 15125-26 All back-ground values   |
| No further work recommended. |                                 |   |
| 51 - 0.7ppb Au BCL           | 15123 - <0.1ppb Au BCL          | 15118-22 All back-ground<br>15127-31 ground<br>15163-72 values  |
| No further work recommended. |                                 |   |
| 43 - 1.3ppb Au BCL           | 15111 - 0.5ppb Au BCL           | 15112-0.3ppb Au BCL<br>15113-0.3ppb Au BCL<br>15114-0.1ppb Au BCL<br>15115-0.7ppb Au BCL<br>15116-<0.1ppb Au BCL<br>15117-0.2ppb Au BCL |

|                             |                               |  |
|-----------------------------|-------------------------------|--|
| 15 - 0.06ppm Au<br>46ppm Cu | 15140-<0.01ppm Au<br>46ppm Cu | 15141-42 Background values<br>15143-56ppm Cu<br>15144-38ppm Cu<br>15145-64ppm Cu 950ppm Ba<br>15146-56ppm Cu 740ppm Ba<br>15147-210ppm Cu 900ppm Ba<br>460ppm Pb 920ppm Ba<br>6ppm Ag<br>15148-230ppm Cu 920ppm Ba<br>1080ppm Pb 870ppm Zn<br>3ppm Ag<br>15149- 84ppm Cu 165ppm Zn |
| 16 - 66ppm Cu<br>36ppm As   | 15132 - 74ppm Cu<br>36ppm As  | 15133-Background values<br>15134- 54ppm Cu<br>15135- 82ppm Cu 44ppm As<br>15136-170ppm As<br>15137-170ppm Cu 34ppm As<br>13538-190ppm Cu 44ppm As<br>15139- 46ppm Cu   |

Sample site 43 did not reproduce BCL results nor did strongly anomalous values result from upstream sampling. Sample site 15 gave a marginally anomalous result (0.7 ppb Au) but the catchment area is small probably indicating a low order source. Sample sites 15,16 partially reproduced anomalous values upon resampling and strongly anomalous Cu Pb Zn Ag As values resulted from upstream sampling. Examination of the catchment source indicated the presence of outcropping black to red siltstones with trace pyrite. Both sites represent creeks that drain a NNE trending ridge and hence a similar source is likely for both anomalies.

## 7. CONCLUSIONS & RECOMMENDATIONS

The original rationale for acquiring the Lower Wilnot tenement has changed as more regional information has been gathered. The concept of a distal massive sulphide system is less plausible if the dominant sedimentary component of the Cambrian sequence is interpreted as a distal turbiditic sequence. Restricted lagoonal conditions do not appear to be present nor do shallow shelf carbonate lithologies. It is more likely that a deep water open marine environment was present and hence anaerobic paleoslope traps are less likely.

612

The localized development of dacitic-andesitic lavas in the northern portion of the licence may provide a locus for a more typical VMS system flanking the volcanic centre as a proximal mound deposit or as an inter-volcanic deposit. The scattered lava exposures observed in outcrop did not exhibit noticeable alteration (either sericite, carbonate, chlorite or pyrite) nor were altered volcanoclastics or sediments observed. Nevertheless, additional exploration may provide evidence supporting such a proposition and hence the possibility should not be ruled out.

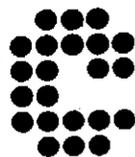
The results of the combined BCL and -80# stream sediment sampling provided some anomalous base/precious metal responses but replicate and follow up sampling failed to support additional work, except perhaps in two cases. In both these instances, results are of marginal interest and may warrant further investigation. However, the local setting appears less conducive to the development of a major MS system and further work is not recommended.

Overall, it is considered that, although the exploration carried out to date has been of a preliminary nature only, there is little potential for either the development of a substantial massive base metal sulphide system or a gold-only deposit of obvious surface expression. Additional exploration by way of gridding, ground geophysics (EM, IP) or geochemistry is not warranted and it is recommended that the licence be relinquished.

APPENDIX 1  
STREAM SEDIMENT SAMPLE LOCATIONS

014

721015



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NATA REGISTERED No. 1526

OUR REF Mr. Jeff Randell  
 Billiton Australia Ltd  
 YOUR REF 30 Mersey Main Rd  
 Spreyton  
 DEVONPORT  
 TAS 7310 Australia

*File*  
 1) LD52  
 2) LD53  
 3) LD55

JOB NUMBER: COM8AD0302

Your Reference: 11622/LD53/JPR

Date Received: 3-FEB-1988 Turnaround 21 days  
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 Date Reported: 24-FEB-1988

Number of Samples: 84

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This report relates specifically to the sample(s) tested in so far as that the sample(s) is truly representative of the sample source as supplied.

015

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Job: COM8AD0302

O/N: 11622/LD53/JPR 721016

ANALYTICAL REPORT

| SAMPLE     | Au   |
|------------|------|
| LD53-3C 02 | 0.1  |
| LD53-3C 03 | <0.1 |
| LD53-3C 04 | 0.1  |
| LD53-3C 05 | 0.2  |
| LD53-3C 07 | 0.1  |
| LD53-3C 08 | <0.1 |
| LD53-3C 09 | 0.2  |
| LD53-3C 10 | 0.1  |
| LD53-3C 11 | 0.1  |
| LD53-3C 12 | 0.1  |
| LD53-3C 13 | <0.1 |
| LD53-3C 14 | <0.1 |
| LD53-3C 15 | 0.2  |
| LD53-3C 16 | 0.2  |
| LD53-3C 17 | 0.1  |
| LD53-3C 18 | <0.1 |
| LD53-3C 19 | 0.1  |
| LD53-3C 20 | <0.1 |
| LD53-3C 21 | 0.1  |
| LD53-3C 23 | 0.2  |
| LD53-3C 24 | 0.1  |
| LD53-3C 25 | <0.1 |
| LD53-3C 26 | 0.1  |
| LD53-3C 28 | 0.1  |
| LD53-3C 29 | 0.5  |

UNITS           ppb  
SCHEME        AAS5D

016

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O/N: 11622/LD53/JPR

721017

ANALYTICAL REPORT

| SAMPLE     | Au   |
|------------|------|
| LD53-3C 31 | 0.1  |
| LD53-3C 32 | 0.6  |
| LD53-3C 33 | 0.2  |
| LD53-3C 35 | 0.2  |
| LD53-3C 36 | <0.1 |
| LD53-3C 37 | 0.2  |
| LD53-3C 38 | 0.3  |
| LD53-3C 39 | 0.2  |
| LD53-3C 40 | 0.2  |
| LD53-3C 42 | 0.4  |
| LD53-3C 43 | 1.3  |
| LD53-3C 44 | 0.2  |
| LD53-3C 45 | 0.4  |
| LD53-3C 46 | <0.1 |
| LD53-3C 47 | <0.1 |
| LD53-3C 48 | <0.1 |
| LD53-3C 50 | 0.1  |
| LD53-3C 51 | 0.7  |
| LD53-3C 52 | 0.3  |
| LD53-3C 53 | 0.1  |
| LD53-3C 54 | 0.8  |
| LD53-3C 55 | 0.1  |
| LD53-3C 56 | 0.1  |
| LD53-3C 57 | <0.1 |
| LD53-3C 58 | 0.1  |

UNITS           ppb  
SCHEME         AAS5D

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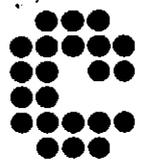
O/N: 11622/LD53/JPR

ANALYTICAL REPORT

721018

| SAMPLE     | Au   |
|------------|------|
| LD53-3C 59 | 0.1  |
| LD53-3C 60 | <0.1 |
| LD53-3C 61 | <0.1 |
| LD53-3C 62 | <0.1 |
| LD53-3C 63 | 0.2  |
| LD53-3C 66 | <0.1 |
| LD53-3C 67 | <0.1 |
| LD53-3C 68 | <0.1 |
| LD53-3C 69 | <0.1 |

UNITS           ppb  
SCHEME         AAS5D



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Mr. David Hall  
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DEVONPORT  
TAS 7310 Australia

OUR REF  
YOUR REF

① LD53  
② LD52  
③ LD55

JOB NUMBER: 8AD0557

Your Reference: 11623/LD55/JPR

Date Received: 24-FEB-1988

Turnaround 9 days

Date Relayed: 4-MAR-1988

Date Reported: 4-MAR-1988

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Pages 1 to 11

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for

Harry Fishman  
Deputy Managing Director.  
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Job: 8A00557

O/N: 11623/LD55/JPR

ANALYTICAL REPORT

| SAMPLE    | Au Avg | Au Dp1 | Au Dp2 | Au Dp3 | Cu   | Zn   | Ag   |
|-----------|--------|--------|--------|--------|------|------|------|
| LD53-3S 2 | <0.01  | --     | --     | --     | 5    | 15   | <1   |
| LD53-3S 3 | <0.01  | --     | --     | --     | 19   | 88   | <1   |
| LD53-3S 4 | <0.01  | <0.01  | <0.01  | --     | 20   | 72   | <1   |
| LD53-3S 5 | <0.01  | 0.01   | <0.01  | --     | 26   | 62   | <1   |
| UNITS     | ppm    | ppm    | ppm    | ppm    | ppm  | ppm  | ppm  |
| SCHEME    | FAS1   | FAS1   | FAS1   | FAS1   | AAS1 | AAS1 | AAS3 |



## ANALYTICAL REPORT

| SAMPLE       | Au Avg   | Au Dp1   | Au Dp2   | Au Dp3   | Cu       | Zn       | Ag       |
|--------------|----------|----------|----------|----------|----------|----------|----------|
| LD53-3S 7    | 0.04     | --       | --       | --       | 26       | 82       | <1       |
| LD53-3S 8    | 0.01     | --       | --       | --       | 34       | 110      | <1       |
| LD53-3S 9    | <0.01    | --       | --       | --       | 58       | 125      | <1       |
| LD53-3S 10   | <0.01    | --       | --       | --       | 32       | 110      | <1       |
| LD53-3S 11   | <0.01    | --       | --       | --       | 38       | 92       | <1       |
| LD53-3S 12   | 0.08     | --       | --       | --       | 40       | 130      | <1       |
| LD53-3S 13   | <0.01    | --       | --       | --       | 42       | 62       | <1       |
| LD53-3S 14   | 0.03     | --       | --       | --       | 18       | 72       | <1       |
| LD53-3S 15   | 0.06     | --       | --       | --       | 46       | 110      | <1       |
| LD53-3S 16   | <0.01    | <0.01    | <0.01    | --       | 66       | 22       | <1       |
| LD53-3S 17   | <0.01    | --       | --       | --       | 22       | 12       | <1       |
| LD53-3S 18   | <0.01    | --       | --       | --       | 7        | 44       | <1       |
| LD53-3S 19   | 0.01     | --       | --       | --       | 3        | 54       | <1       |
| LD53-3S 20   | <0.01    | --       | --       | --       | 9        | 76       | <1       |
| LD53-3S 21   | <0.01    | --       | --       | --       | 19       | 24       | <1       |
| LD53-3S 23   | 0.03     | --       | --       | --       | 14       | 120      | 1        |
| LD53-3S 24   | <0.01    | <0.01    | <0.01    | --       | 38       | 105      | <1       |
| LD53-3S 25   | <0.01    | --       | --       | --       | 42       | 140      | <1       |
| LD53-3S 26   | <0.01    | --       | --       | --       | 68       | 100      | <1       |
| LD53-3S 28   | <0.01    | --       | --       | --       | 5        | 9        | <1       |
| LD53-3S 29   | <0.01    | --       | --       | --       | 40       | 135      | <1       |
| LD53-3S 31   | <0.01    | --       | --       | --       | 10       | 50       | <1       |
| LD53-3S 32   | 0.01     | --       | --       | --       | 50       | 96       | <1       |
| LD53-3S 33   | 0.03     | --       | --       | --       | 15       | 115      | <1       |
| LD53-3S 35   | <0.01    | <0.01    | 0.01     | --       | 40       | 115      | <1       |
| UNITS SCHEME | ppm FAS1 | ppm FAS1 | ppm FAS1 | ppm FAS1 | ppm AAS1 | ppm AAS1 | ppm AAS3 |



## ANALYTICAL REPORT

| SAMPLE       | Au Avg   | Au Dp1   | Au Dp2   | Au Dp3   | Cu       | Zn       | Ag       |
|--------------|----------|----------|----------|----------|----------|----------|----------|
| LD53-3S 36   | <0.01    | --       | --       | --       | 28       | 90       | 1        |
| LD53-3S 37   | <0.01    | --       | --       | --       | 10       | 64       | <1       |
| LD53-3S 38   | <0.01    | --       | --       | --       | 3        | 30       | 1        |
| LD53-3S 39   | 0.01     | --       | --       | --       | 12       | 68       | <1       |
| LD53-3S 40   | <0.01    | --       | --       | --       | 18       | 52       | 1        |
| LD53-3S 42   | <0.01    | --       | --       | --       | 7        | 66       | 1        |
| LD53-3S 43   | <0.01    | --       | --       | --       | 11       | 62       | 1        |
| LD53-3S 44   | <0.01    | --       | --       | --       | 9        | 68       | <1       |
| LD53-3S 45   | <0.01    | --       | --       | --       | 12       | 68       | 1        |
| LD53-3S 46   | <0.01    | --       | --       | --       | 8        | 54       | <1       |
| LD53-3S 47   | <0.01    | 0.01     | <0.01    | --       | 9        | 58       | <1       |
| LD53-3S 48   | <0.01    | --       | --       | --       | 9        | 44       | <1       |
| LD53-3S 50   | <0.01    | --       | --       | --       | 46       | 125      | <1       |
| LD53-3S 51   | <0.01    | --       | --       | --       | 24       | 78       | <1       |
| LD53-3S 52   | <0.01    | --       | --       | --       | 28       | 14       | <1       |
| LD53-3S 53   | <0.01    | --       | --       | --       | 14       | 58       | <1       |
| LD53-3S 54   | <0.01    | --       | --       | --       | 17       | 60       | <1       |
| LD53-3S 55   | <0.01    | --       | --       | --       | 20       | 76       | <1       |
| LD53-3S 56   | <0.01    | <0.01    | <0.01    | --       | 9        | 115      | <1       |
| LD53-3S 57   | <0.01    | --       | --       | --       | 28       | 115      | <1       |
| LD53-3S 58   | <0.01    | --       | --       | --       | 16       | 38       | <1       |
| LD53-3S 59   | <0.01    | --       | --       | --       | 38       | 115      | <1       |
| LD53-3S 60   | 0.01     | --       | --       | --       | 34       | 180      | <1       |
| LD53-3S 61   | <0.01    | --       | --       | --       | 40       | 180      | <1       |
| LD53-3S 62   | <0.01    | --       | --       | --       | 42       | 195      | <1       |
| UNITS SCHEME | ppm FAS1 | ppm FAS1 | ppm FAS1 | ppm FAS1 | ppm AAS1 | ppm AAS1 | ppm AAS3 |


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O/N: 11623/LD55/JPR

**ANALYTICAL REPORT**

| SAMPLE     | Au Avg | Au Dp1 | Au Dp2 | Au Dp3 | Cu     | Zn     | Ag     |
|------------|--------|--------|--------|--------|--------|--------|--------|
| LD53-3S 63 | L.N.R. |
| LD53-3S 66 | <0.01  | --     | --     | --     | 10     | 32     | <1     |
| LD53-3S 67 | <0.01  | --     | --     | --     | 10     | 48     | <1     |
| LD53-3S 68 | <0.01  | <0.01  | <0.01  | --     | 34     | 130    | <1     |
| LD53-3S 69 | <0.01  | --     | --     | --     | 48     | 105    | <1     |

 UNITS  
SCHEME

 ppm  
FAS1

 ppm  
FAS1

 ppm  
FAS1

 ppm  
FAS1

 ppm  
AAS1

 ppm  
AAS1

 ppm  
AAS3

023

721024


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Job: 8AD0557

O/N: 11623/LD55/JPR

## ANALYTICAL REPORT

| SAMPLE | Pb | As. | Ba |
|--------|----|-----|----|
|--------|----|-----|----|

|           |      |      |      |
|-----------|------|------|------|
| LD53-3S 2 | 5    | <2   | 45   |
| LD53-3S 3 | 8    | 3    | 350  |
| LD53-3S 4 | 15   | 4    | 430  |
| LD53-3S 5 | 17   | <2   | 270  |
| UNITS     | ppm  | ppm  | ppm  |
| SCHEME    | XRF1 | XRF1 | XRF1 |



## ANALYTICAL REPORT

| SAMPLE          | Pb           | As           | Ba           |
|-----------------|--------------|--------------|--------------|
| LD53-3S 7       | 5            | <2           | 260          |
| LD53-3S 8       | 10           | <2           | 440          |
| LD53-3S 9       | 28           | <2           | 125          |
| LD53-3S 10      | 3            | 9            | 370          |
| LD53-3S 11      | 4            | 4            | 280          |
| LD53-3S 12      | 15           | <2           | 220          |
| LD53-3S 13      | 18           | 8            | 360          |
| LD53-3S 14      | 13           | 3            | 320          |
| LD53-3S 15      | 19           | 19           | 380          |
| LD53-3S 16      | 30           | 36           | 90           |
| LD53-3S 17      | 15           | 12           | 105          |
| LD53-3S 18      | 4            | 3            | 160          |
| LD53-3S 19      | 19           | 3            | 190          |
| LD53-3S 20      | 12           | <2           | 165          |
| LD53-3S 21      | 12           | 3            | 330          |
| LD53-3S 23      | 14           | 6            | 290          |
| LD53-3S 24      | 20           | 12           | 300          |
| LD53-3S 25      | 32           | <2           | 320          |
| LD53-3S 26      | 44           | 4            | 350          |
| LD53-3S 28      | <2           | 6            | 45           |
| LD53-3S 29      | 26           | <2           | 300          |
| LD53-3S 31      | 8            | <2           | 230          |
| LD53-3S 32      | 7            | 2            | 130          |
| LD53-3S 33      | 13           | 3            | 300          |
| LD53-3S 35      | 7            | 2            | 270          |
| UNITS<br>SCHEME | ppm<br>XRF 1 | ppm<br>XRF 1 | ppm<br>XRF 1 |

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Job: 8AD0557

O/N: 11623/LD55/JPR

721026

## ANALYTICAL REPORT

| SAMPLE          | Pb          | As          | Ba          |
|-----------------|-------------|-------------|-------------|
| LD53-3S 36      | 8           | 9           | 540         |
| LD53-3S 37      | 16          | 4           | 280         |
| LD53-3S 38      | 10          | <2          | 190         |
| LD53-3S 39      | 9           | 5           | 220         |
| LD53-3S 40      | 22          | 15          | 390         |
| LD53-3S 42      | 14          | <2          | 220         |
| LD53-3S 43      | 9           | 6           | 360         |
| LD53-3S 44      | 12          | <2          | 300         |
| LD53-3S 45      | 4           | 3           | 290         |
| LD53-3S 46      | 10          | 2           | 240         |
| LD53-3S 47      | 4           | 2           | 290         |
| LD53-3S 48      | 3           | 6           | 230         |
| LD53-3S 50      | 3           | 4           | 210         |
| LD53-3S 51      | 4           | 4           | 660         |
| LD53-3S 52      | 8           | 14          | 460         |
| LD53-3S 53      | 9           | 6           | 240         |
| LD53-3S 54      | 9           | 5           | 250         |
| LD53-3S 55      | 24          | 11          | 350         |
| LD53-3S 56      | 10          | 4           | 310         |
| LD53-3S 57      | 30          | <2          | 510         |
| LD53-3S 58      | 11          | 6           | 195         |
| LD53-3S 59      | 5           | 4           | 360         |
| LD53-3S 60      | 28          | 5           | 240         |
| LD53-3S 61      | 22          | 11          | 250         |
| LD53-3S 62      | 26          | 4           | 260         |
| UNITS<br>SCHEME | ppm<br>XRF1 | ppm<br>XRF1 | ppm<br>XRF1 |

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721027



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Job: 8A00557

O/N: 11623/LD55/JPR

**ANALYTICAL REPORT**

| SAMPLE     | Pb     | As     | Ba     |
|------------|--------|--------|--------|
| LD53-3S 63 | L.N.R. | L.N.R. | L.N.R. |
| LD53-3S 66 | 16     | 9      | 300    |
| LD53-3S 67 | 24     | 4      | 280    |
| LD53-3S 68 | 26     | 2      | 210    |
| LD53-3S 69 | 22     | 2      | 160    |

|          |      |      |      |
|----------|------|------|------|
| UNITS    | ppm  | ppm  | ppm  |
| SCHEME : | XRF1 | XRF1 | XRF1 |



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Job: 8AD0557

O/N: 11623/LD55/JPR

## ANALYTICAL REPORT

| SAMPLE       | Au Avg   | Au Dp1   | Au Dp2   | Au Dp3   | Cu       | Zn       | Ag       |
|--------------|----------|----------|----------|----------|----------|----------|----------|
| LD53-3S 20B  | --       | --       | --       | --       | 5        | 62       | <1       |
| LD53-3S 64   | <0.01    | <0.01    | 0.01     | --       | 22       | 72       | <1       |
| UNITS SCHEME | ppm FAS1 | ppm FAS1 | ppm FAS1 | ppm FAS1 | ppm AAS1 | ppm AAS1 | ppm AAS3 |



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Job: 8AD0557

O/N: 11623/LD55/JPR

ANALYTICAL REPORT

| SAMPLE          | Pb          | As          | Ba          |
|-----------------|-------------|-------------|-------------|
| LD53-3S 20B     | 18          | <2          | 170         |
| LD53-3S 64      | 14          | <2          | 160         |
| UNITS<br>SCHEME | ppm<br>XRF1 | ppm<br>XRF1 | ppm<br>XRF1 |

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721030



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Administration Officer  
Billiton Australia Ltd  
30 Mersey Main Rd  
Spreyton  
DEVONPORT  
TAS 7310 Australia

*File*  
*1) LD53*  
*2) LD52*

JOB NUMBER: 8AD1291  
Your Reference: 11627/LD53/JPR  
Date Received: 27-APR-1988 Turnaround 15 days  
Date Relayed: 12-MAY-1988  
Date Reported: 12-MAY-1988

Number of Samples: 72

Report Comprising: Cover Sheet  
Pages 1 to 6

Comments:

Report Dist'n: Carbon Copies(CC), Electronic Media(EM), Magnetic Media(MM)

| Type | Recipient | Location | Date | Copies |
|------|-----------|----------|------|--------|
|      |           |          |      |        |

*15101-10*  
*15155-52* } *LD52*

Approved Signature:

for *Harry Fishman*

Harry Fishman  
Deputy Managing Director.  
CLASSIC COMLABS LTD

(Please address any enquiries to Mr. Trevor Francis)

This report relates specifically to the sample(s) tested in so far as that the sample(s) is truly representative of the sample source as supplied.

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721031



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Job: 8AD1291

O/N: 11627/LD53/JPR

## ANALYTICAL REPORT

SAMPLE Au

|         |      |
|---------|------|
| ↓ 15111 | 0.5  |
| 15112   | 0.3  |
| 15113   | 0.3  |
| 15114   | 0.1  |
| 15115   | 0.7  |
| 15116   | <0.1 |
| 15117   | 0.2  |
| 15118   | <0.1 |
| 15119   | <0.1 |
| 15120   | 0.2  |
| 15121   | 0.4  |
| 15122   | <0.1 |
| 15123   | <0.1 |
| 15124   | 0.2  |
| 15125   | <0.1 |

UNITS ppb  
SCHEME AAS5D



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Job: 8AD1291

O/N: 11627/LD53/JPR

ANALYTICAL REPORT

| SAMPLE          | Au           |
|-----------------|--------------|
| 15126           | <0.1         |
| 15127           | <0.1         |
| 15128           | 0.1          |
| 15129           | 0.1          |
| 15130           | <0.1         |
| 15131           | <0.1         |
| UNITS<br>SCHEME | ppb<br>AAS5D |



Job: 8AD1291  
 O/N: 11627/LD53/JPR

ANALYTICAL REPORT

| SAMPLE         | Au Avg | Au Dp1 | Au Dp2 | Au Dp3 | Cu  | Zn  | Ag |
|----------------|--------|--------|--------|--------|-----|-----|----|
| 15132          | <0.01  | --     | --     | --     | 74  | 20  | <1 |
| 15133          | <0.01  | --     | --     | --     | 32  | 18  | <1 |
| 15134          | <0.01  | --     | --     | --     | 54  | 17  | <1 |
| 15135          | <0.01  | --     | --     | --     | 82  | 17  | <1 |
| 15136          | <0.01  | --     | --     | --     | 24  | 19  | <1 |
| 15137          | <0.01  | <0.01  | <0.01  | --     | 170 | 19  | <1 |
| 15138          | <0.01  | --     | --     | --     | 190 | 16  | <1 |
| 15139          | <0.01  | --     | --     | --     | 46  | 28  | <1 |
| 15140          | <0.01  | --     | --     | --     | 46  | 115 | <1 |
| 15141          | <0.01  | --     | --     | --     | 30  | 80  | <1 |
| 15142          | <0.01  | --     | --     | --     | 26  | 155 | <1 |
| 15143          | <0.01  | --     | --     | --     | 56  | 52  | <1 |
| 15144          | <0.01  | --     | --     | --     | 38  | 135 | <1 |
| 15145          | <0.01  | --     | --     | --     | 64  | 76  | <1 |
| 15146          | <0.01  | <0.01  | <0.01  | --     | 56  | 80  | <1 |
| 15147          | <0.01  | --     | --     | --     | 210 | 920 | 6  |
| 15148          | <0.01  | --     | --     | --     | 230 | 870 | 3  |
| 15149          | <0.01  | --     | --     | --     | 84  | 165 | 1  |
| 15150          | <0.01  | --     | --     | --     | 32  | 115 | <1 |
| 15151          | <0.01  | <0.01  | <0.01  | --     | 22  | 140 | <1 |
| 15152          | <0.01  | --     | --     | --     | 30  | 74  | <1 |
| 15153          | <0.01  | --     | --     | --     | 20  | 86  | <1 |
| <u>1</u> 15154 | <0.01  | --     | --     | --     | 46  | 72  | <1 |

|        |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|
| UNITS  | ppm  |
| SCHEME | FAS1 | FAS1 | FAS1 | FAS1 | AAS1 | AAS1 | AAS3 |



Job: 8AD1291

O/N: 11627/LD53/JPR

## ANALYTICAL REPORT

| SAMPLE       | Au Avg   | Au Dp1   | Au Dp2   | Au Dp3   | Cu       | Zn       | Ag       |
|--------------|----------|----------|----------|----------|----------|----------|----------|
| 15163        | <0.01    | --       | --       | --       | 28       | 100      | <1       |
| 15164        | <0.01    | --       | --       | --       | 14       | 30       | <1       |
| 15165        | <0.01    | <0.01    | <0.01    | --       | 13       | 74       | <1       |
| 15166        | 0.02     | --       | --       | --       | 16       | 60       | <1       |
| 15167        | <0.01    | <0.01    | <0.01    | --       | 18       | 94       | <1       |
| 15168        | 0.01     | --       | --       | --       | 20       | 76       | <1       |
| 15169        | <0.01    | --       | --       | --       | 22       | 100      | <1       |
| 15170        | <0.01    | --       | --       | --       | 13       | 48       | <1       |
| 15171        | 0.02     | --       | --       | --       | 28       | 76       | <1       |
| 15172        | 0.01     | --       | --       | --       | 26       | 100      | <1       |
| UNITS SCHEME | ppm FAS1 | ppm FAS1 | ppm FAS1 | ppm FAS1 | ppm AAS1 | ppm AAS1 | ppm AAS3 |



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Job: 8AD1291  
 O/N: 11627/LD53/JPR

ANALYTICAL REPORT

| SAMPLE | Pb   | As  | Ba  |
|--------|------|-----|-----|
| 15132  | 26   | 36  | 90  |
| 15133  | 14   | 9   | 115 |
| 15134  | 28   | 9   | 200 |
| 15135  | 44   | 44  | 145 |
| 15136  | 62   | 170 | 100 |
| 15137  | 30   | 34  | 75  |
| 15138  | 42   | 44  | 65  |
| 15139  | 50   | <2  | 145 |
| 15140  | 24   | 3   | 390 |
| 15141  | 7    | 8   | 590 |
| 15142  | 7    | <2  | 280 |
| 15143  | 9    | 18  | 420 |
| 15144  | 17   | 7   | 330 |
| 15145  | 2    | 46  | 950 |
| 15146  | 22   | 16  | 740 |
| 15147  | 460  | 36  | 900 |
| 15148  | 1080 | 22  | 920 |
| 15149  | 16   | 20  | 190 |
| 15150  | 15   | 4   | 210 |
| 15151  | 5    | 3   | 230 |
| 15152  | 13   | 3   | 175 |
| 15153  | 6    | <2  | 145 |
| 15154  | 24   | <2  | 145 |

UNITS            ppm            ppm            ppm  
 SCHEME        XRF1        XRF1        XRF1

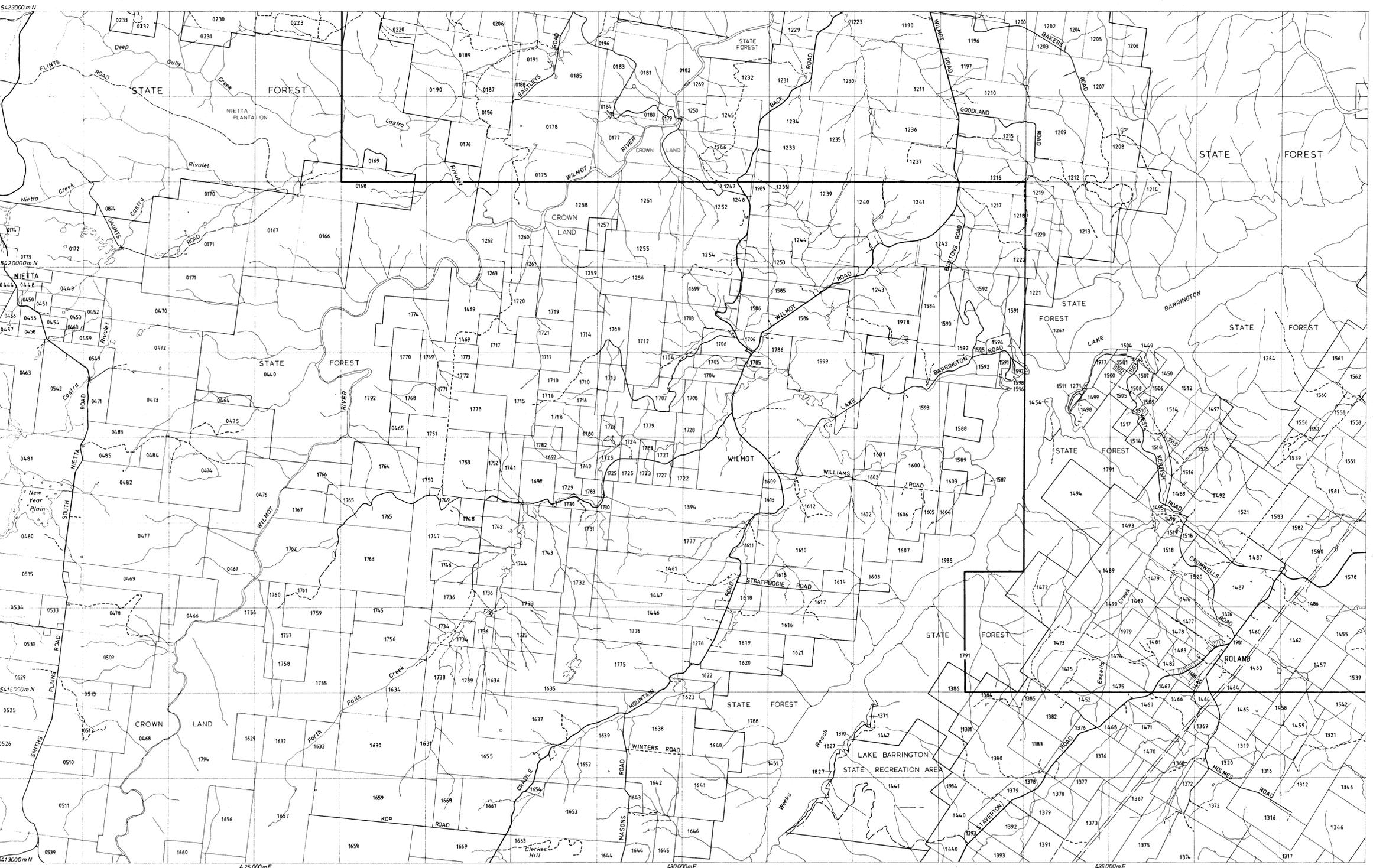


Job: 8AD1291

O/N: 11627/LD53/JPR

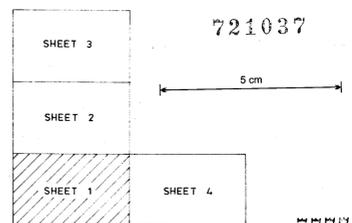
ANALYTICAL REPORT

| SAMPLE       | Pb       | As       | Ba       |
|--------------|----------|----------|----------|
| 15163        | <2       | <2       | 330      |
| 15164        | 10       | <2       | 1540     |
| 15165        | 11       | 3        | 250      |
| 15166        | 7        | <2       | 650      |
| 15167        | 19       | 2        | 240      |
| 15168        | 9        | <2       | 340      |
| 15169        | 13       | <2       | 240      |
| 15170        | 9        | 4        | 260      |
| 15171        | 26       | 3        | 230      |
| 15172        | <2       | <2       | 600      |
| UNITS SCHEME | ppm XRF1 | ppm XRF1 | ppm XRF1 |



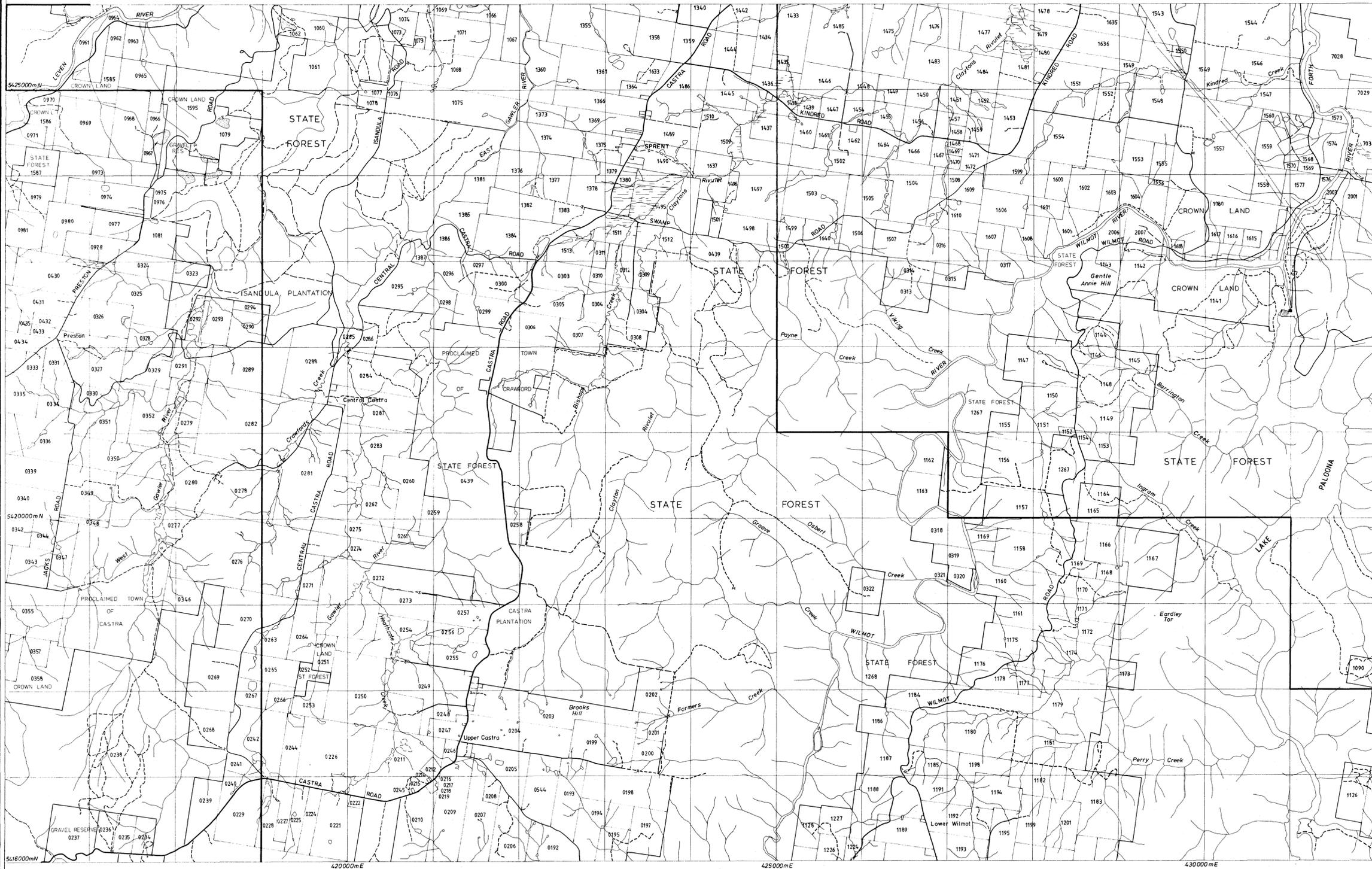
**LEGEND**

-  E.L. Boundary
-  Reserve Boundary
-  Property Boundary with land number
-  Public road
-  Gravel road with bridge
-  Vehicular track with gate
-  Walking track
-  Power transmission line
-  Wet area
-  Creek, river with waterfall



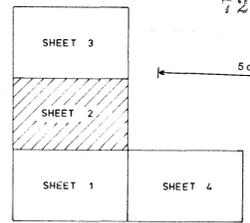
|  |           |             |                |
|--|-----------|-------------|----------------|
| <b>Billiton Australia</b><br>The Metals Division of the Shell Company of Australia Limited |           |             |                |
| Project<br><b>LOWER WILMOT</b>   |           |             |                |
| Title<br><b>TOPOGRAPHIC BASE PLAN</b>  |           |             |                |
| SHEET 1  |           |             |                |
| Author   | JPR       | Dept. TAS   | Scale 1:25,000 |
| Drawn  | OH        | Date 5/88   | Revised        |
| Checked  | Date      | S'ced       | Date           |
| Sheet No.  | FIG No. 4 | Drawing No. | D/LD 53/001    |

**88-2875**



**LEGEND**

-  E.L. Boundary
-  Reserve Boundary
-  Property Boundary with land number
-  Public Road
-  Gravel road with bridge
-  Vehicular track with gate
-  Walking track
-  Power transmission line
-  Wet area
-  Creek, river with waterfall

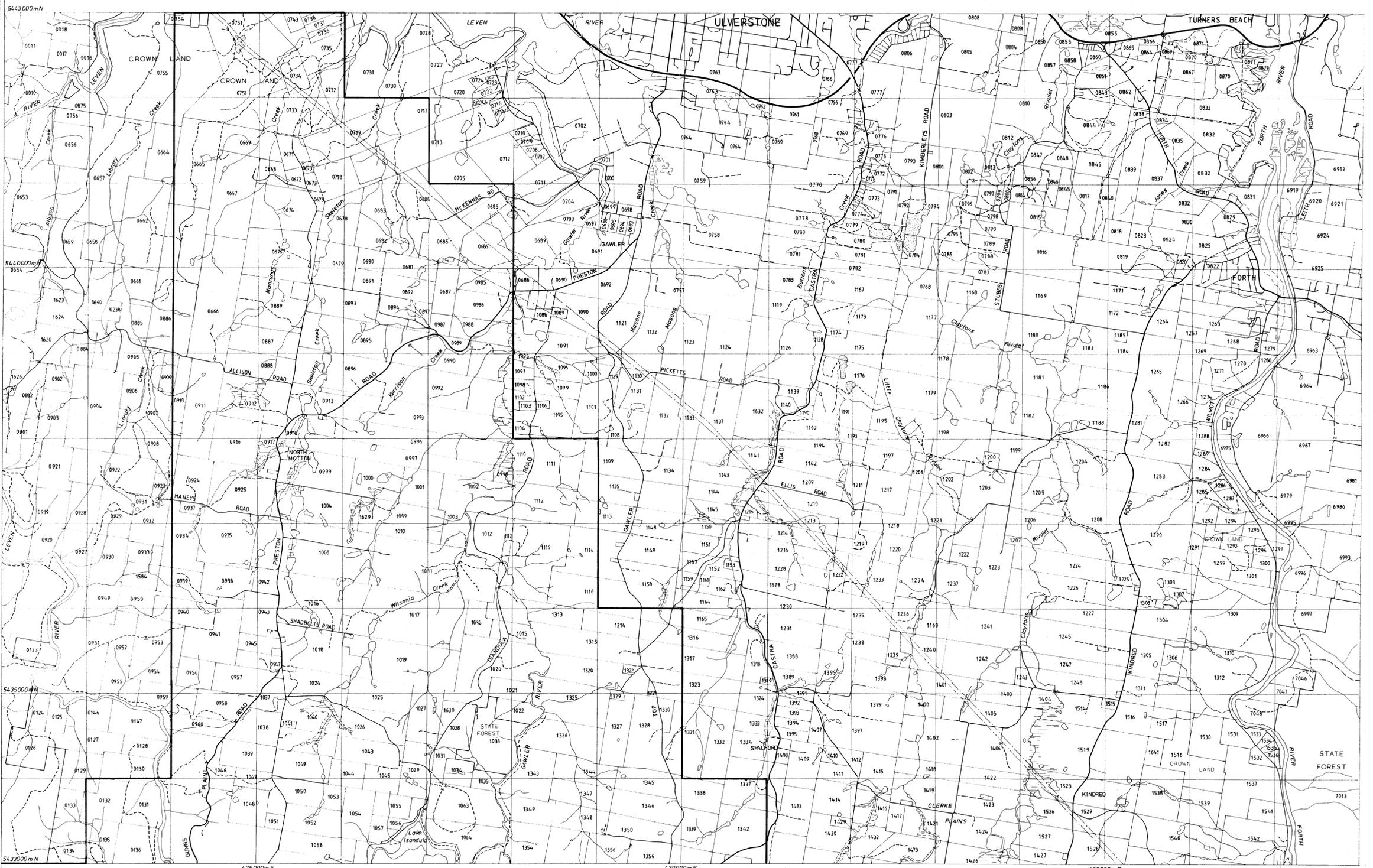


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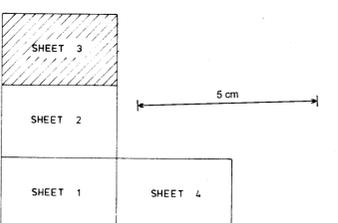
|   |           |              |                |
|---|-----------|--------------|----------------|
| <b>Billiton Australia</b><br><small>The Metals Division of the Shell Company of Australia Limited</small> |           |              |                |
| Project<br><b>LOWER WILMOT</b>  |           |              |                |
| Title<br><b>TOPOGRAPHIC BASE PLAN</b>   |           |              |                |
| SHEET 2   |           |              |                |
| Author  | J.P.R.    | Dept. T.A.S. | Scale 1:25,000 |
| Drawn   | O.H.      | Date 5/88    | Revised Date   |
| Checked   | Date      | S'ced        | Date           |
| Sheet No.   | FIG No. 5 | Drawing No.  | D/LD 53/002    |

**88-2875**



**LEGEND**

-  E. L. Boundary
-  Reserve Boundary
-  Property Boundary with land number
-  Public Road
-  Gravel road with bridge
-  Vehicular track with gate
-  Walking track
-  Power transmission line
-  Wet area
-  Creek, river with waterfall



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The Metals Division of the Shell Company of Australia Limited

Project: LOWER WILMOT

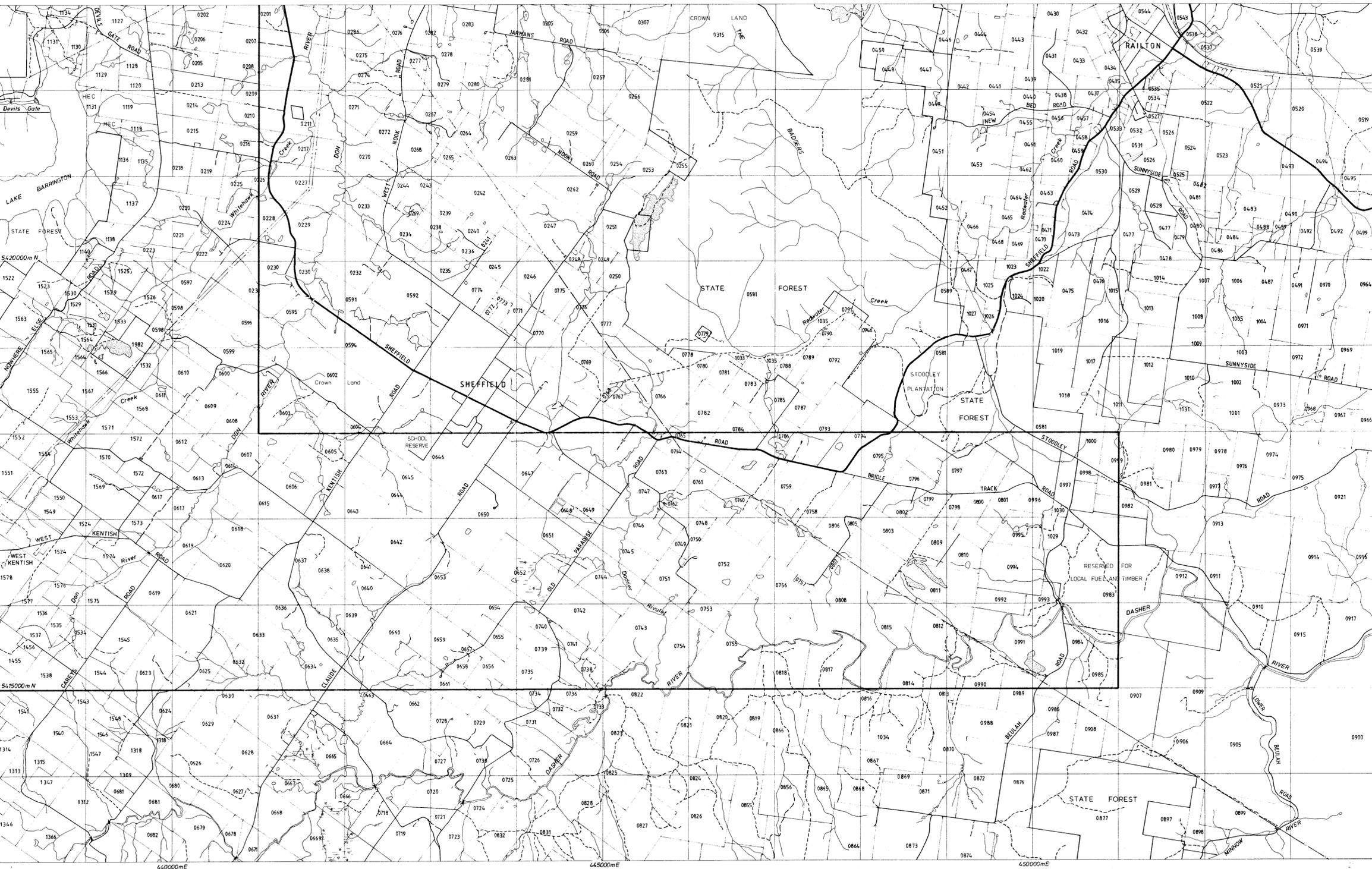
Title: TOPOGRAPHIC BASE PLAN

SHEET 3

|           |           |             |      |         |             |
|-----------|-----------|-------------|------|---------|-------------|
| Author    | J P R     | Dept.       | TAS  | Scale   | 1:25,000    |
| Drawn     | OH        | Date        | 5/88 | Revised | Date        |
| Checked   | Date      | S'ced       | Date |         |             |
| Sheet No. | FIG No. 6 | Drawing No. |      |         | D/LD 53/003 |

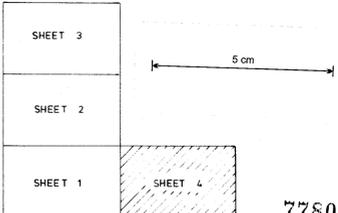
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**88-2875**



**LEGEND**

- E.L. Boundary
- Reserve Boundary
- 2016 Property Boundary with land number
- Public road
- Gravel road with bridge
- Vehicular track with gate
- Walking track
- Power transmission line
- Wet area
- Creek, river with waterfall



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|   |                                  |
|---|----------------------------------|
| <b>Billiton Australia</b><br><small>The Metals Division of the Shell Company of Australia Limited</small> |                                  |
| Project<br><b>LOWER WILMOT</b>  |                                  |
| Title<br><b>TOPOGRAPHIC BASE PLAN</b>   |                                  |
| SHEET 4   |                                  |
| Author  | JPR Dept. TAS Scale 1:25,000     |
| Drawn   | OH Date 6/88 Revised Date        |
| Checked   | Date S'ced Date                  |
| Sheet No.   | FIG No 7 Drawing No. D/LD 53/004 |

721040  
**88-2875**



**LEGEND**

|                   |         |   |
|-------------------|---------|---|
| TERTIARY          | Ts      | Sands, Clays.   |
|                   | Tb      | Pillowed and vesicular basalt                               |
| CAMBRO-ORDOVICIAN | θs      | Maina Sandstone • equiv.                                    |
|                   | θcon    | Roland Conglomerate • equiv.                                |
|                   | Elw/Egg | Uncertain Association<br>Gog Range Greywacke                |
|                   | Ers     | Mudstones, minor lavas, volcanics.                          |
|                   | Crcong  | Radfords Creek Group<br>Sprent Formation                    |
|                   | Erzb    | Motton Spillite<br>Basalt, locally pillowed.                |
|                   | Erch    | Barrington Chert<br>Chert, minor mudstone.                  |
|                   | ~ ~ ~   | disconformity   |
| CAMBRIAN          | Efs     | Siltstone, mudstone, lithiwickie.                           |
|                   | Cfvl    | Nietta Group<br>Minnow Keratophyre                          |
|                   | Efvv    | Felsic volcaniclastic, fine to coarse grained.              |
|                   | ~ ~ ~   | unconformity  |
| PRECAMBRIAN       | Ccs     | Mudstone, sandstone, minor chert.                           |
|                   | Ecvd    | Cateena Group<br>Feldspar phytic dacitic lava.              |
|                   | Ecva    | Feldspar phytic andesitic lava, volcanics.                  |
|                   | Ccong   | Conglomerate in sandy matrix.                               |
|                   | ~ ~ ~   | angular unconformity  |
| PRECAMBRIAN       | PCss    | Burnie Formation<br>Quartzose turbiditic sandstone.         |
|                   | PCcon   | Rocky Cape Group<br>Deformed quartzite pebble conglomerate. |
|                   | PCq     | Ulverstone Metamorphics<br>Quartzite                        |
|                   | PCms    | Muscovite-chlorite schist.                                  |

5 cm

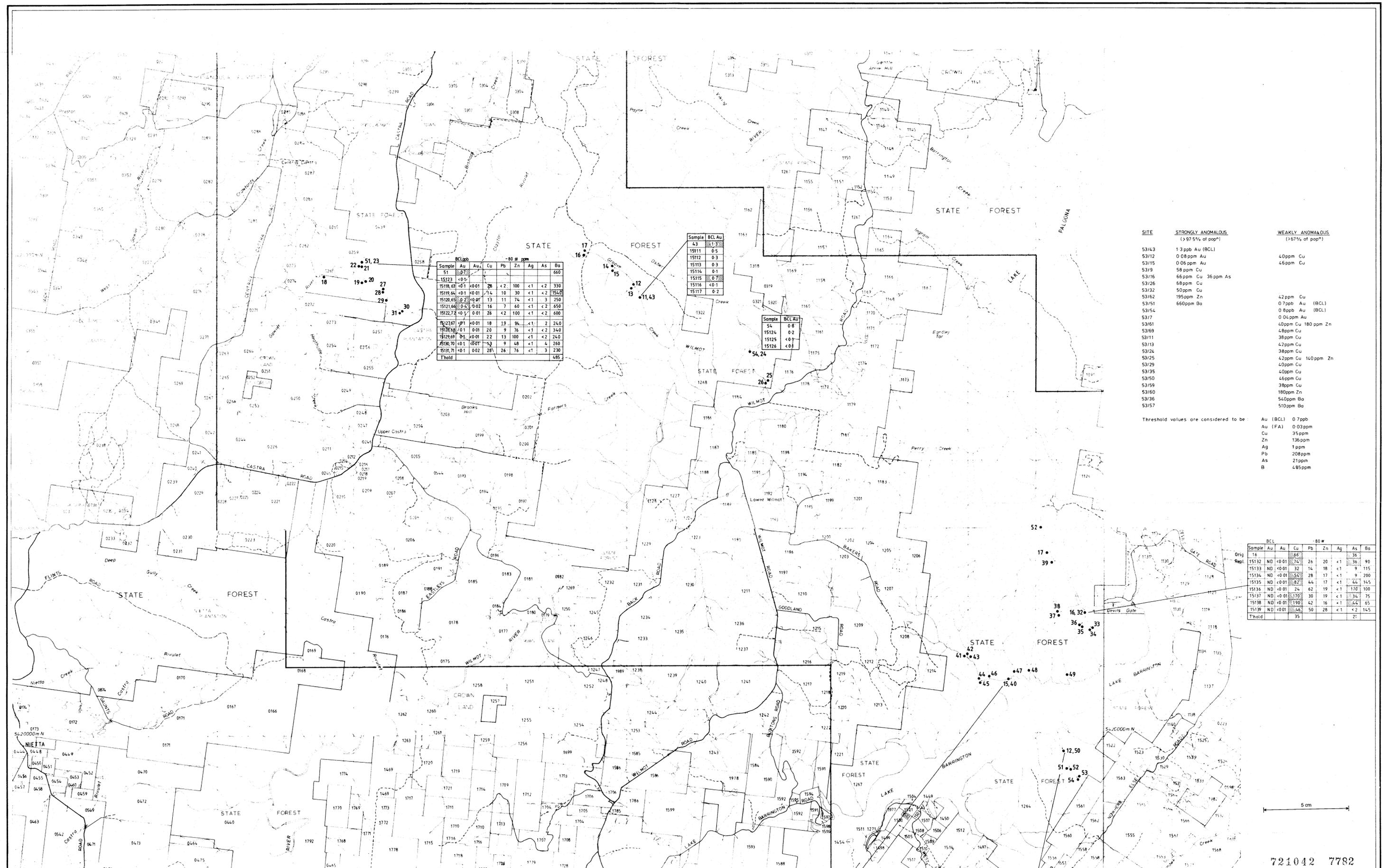
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**88-2875**  
7781

**Billiton Australia**  
The Metals Division of the Shell Company of Australia Limited

Project: **LOWER WILMOT**

Title: **REGIONAL GEOLOGY**  
(COMPILED FROM G.S.T.S. MAPS & C.R.A.E. T. PORTER)

|           |           |             |      |         |             |
|-----------|-----------|-------------|------|---------|-------------|
| Author    | J.P.R.    | Dept.       | TAS  | Scale   | 1:50,000    |
| Drawn     | OH        | Date        | 8/88 | Revised | Date        |
| Checked   | Date      | S'ced       | Date |         |             |
| Sheet No. | FIG No. 3 | Drawing No. |      |         | D/LD 53/005 |



| Sample | Au  | Cu   | Pb  | Zn  | Ag  | As  | Ba  |
|--------|-----|------|-----|-----|-----|-----|-----|
| 15118  | 0.1 | 20   | < 2 | 100 | < 1 | < 2 | 330 |
| 15119  | 0.1 | 14   | 10  | 30  | < 1 | < 2 | 350 |
| 15120  | 0.1 | 13   | 11  | 74  | < 1 | < 2 | 250 |
| 15121  | 0.1 | 16   | 7   | 60  | < 1 | < 2 | 650 |
| 15122  | 0.1 | 26   | < 2 | 100 | < 1 | < 2 | 600 |
| 15123  | 0.1 | 18   | 19  | 94  | < 1 | < 2 | 240 |
| 15124  | 0.1 | 20   | 9   | 76  | < 1 | < 2 | 340 |
| 15125  | 0.1 | 22   | 13  | 100 | < 1 | < 2 | 340 |
| 15126  | 0.1 | 13   | 9   | 48  | < 1 | < 2 | 240 |
| 15127  | 0.1 | 0.02 | 26  | 76  | < 1 | < 2 | 230 |
| Thold  |     |      |     |     |     |     | 485 |

| Sample | BCL   | Au |
|--------|-------|----|
| 15111  | 0.5   |    |
| 15112  | 0.3   |    |
| 15113  | 0.3   |    |
| 15114  | 0.1   |    |
| 15115  | 0.7   |    |
| 15116  | < 0.1 |    |
| 15117  | 0.2   |    |

| Sample | BCL   | Au |
|--------|-------|----|
| 54     | 0.8   |    |
| 15124  | 0.2   |    |
| 15125  | < 0.1 |    |
| 15126  | < 0.1 |    |

| SITE  | STRONGLY ANOMALOUS              | WEAKLY ANOMALOUS              |
|-------|---------------------------------|-------------------------------|
|       | ( > 97.5% of pop <sup>n</sup> ) | ( > 67% of pop <sup>n</sup> ) |
| 53/43 | 1.3 ppb Au (BCL)                |                               |
| 53/12 | 0.08 ppm Au                     | 40 ppm Cu                     |
| 53/15 | 0.06 ppm Au                     | 46 ppm Cu                     |
| 53/9  | 58 ppm Cu                       |                               |
| 53/16 | 66 ppm Cu 36 ppm As             |                               |
| 53/26 | 68 ppm Cu                       |                               |
| 53/32 | 50 ppm Cu                       |                               |
| 53/62 | 195 ppm Zn                      | 42 ppm Cu                     |
| 53/51 | 660 ppm Ba                      | 0.7 ppb Au (BCL)              |
| 53/54 |                                 | 0.8 ppm Au (BCL)              |
| 53/7  |                                 | 0.04 ppm Au                   |
| 53/61 |                                 | 40 ppm Cu 180 ppm Zn          |
| 53/69 |                                 | 48 ppm Cu                     |
| 53/11 |                                 | 38 ppm Cu                     |
| 53/13 |                                 | 42 ppm Cu                     |
| 53/24 |                                 | 38 ppm Cu                     |
| 53/25 |                                 | 42 ppm Cu 160 ppm Zn          |
| 53/29 |                                 | 40 ppm Cu                     |
| 53/35 |                                 | 40 ppm Cu                     |
| 53/50 |                                 | 46 ppm Cu                     |
| 53/59 |                                 | 38 ppm Cu                     |
| 53/60 |                                 | 180 ppm Zn                    |
| 53/36 |                                 | 540 ppm Ba                    |
| 53/57 |                                 | 510 ppm Ba                    |

Threshold values are considered to be:

|          |          |
|----------|----------|
| Au (BCL) | 0.7 ppb  |
| Au (FA)  | 0.03 ppm |
| Cu       | 35 ppm   |
| Zn       | 136 ppm  |
| Ag       | 1 ppm    |
| Pb       | 208 ppm  |
| As       | 21 ppm   |
| B        | 485 ppm  |

| Sample | Au | Cu  | Pb | Zn | Ag  | As  | Ba  |
|--------|----|-----|----|----|-----|-----|-----|
| 16     | ND | 66  | 26 | 20 | < 1 | 36  | 90  |
| 15132  | ND | 72  | 14 | 18 | < 1 | 36  | 115 |
| 15133  | ND | 32  | 16 | 18 | < 1 | 9   | 200 |
| 15134  | ND | 82  | 28 | 17 | < 1 | 22  | 165 |
| 15135  | ND | 82  | 44 | 17 | < 1 | 22  | 100 |
| 15136  | ND | 24  | 62 | 19 | < 1 | 34  | 75  |
| 15137  | ND | 170 | 30 | 19 | < 1 | 64  | 65  |
| 15138  | ND | 190 | 42 | 16 | < 1 | 64  | 65  |
| 15139  | ND | 48  | 50 | 28 | < 1 | < 2 | 145 |
| Thold  |    | 35  |    |    |     | 21  |     |

| Sample | Au   | Cu    | Pb   | Zn  | Ag  | As  | Ba  |
|--------|------|-------|------|-----|-----|-----|-----|
| 15     | 0.06 | (4.6) |      |     |     |     |     |
| 15140  | ND   | 46    | 24   | 115 | < 1 | 3   | 390 |
| 15141  | ND   | 30    | 7    | 80  | < 1 | 8   | 590 |
| 15142  | ND   | 26    | 7    | 155 | < 1 | < 2 | 280 |
| 15143  | ND   | 59    | 9    | 52  | < 1 | 18  | 420 |
| 15144  | ND   | 38    | 17   | 135 | < 1 | 7   | 330 |
| 15145  | ND   | 62    | 2    | 76  | < 1 | 46  | 950 |
| 15146  | ND   | 56    | 22   | 80  | < 1 | 16  | 740 |
| 15147  | ND   | 210   | 440  | 920 |     | 36  | 900 |
| 15148  | ND   | 230   | 1080 | 870 |     | 22  | 920 |
| 15149  | ND   | 84    | 16   | 165 | 1   | 20  | 190 |
| Thold  |      | 35    | 208  | 136 |     | 21  | 485 |

| Sample | Au   | Cu  | Pb | Zn  | Ag  | As  | Ba  |
|--------|------|-----|----|-----|-----|-----|-----|
| 12     | 0.08 | 4.0 |    |     |     |     |     |
| 15150  | ND   | 32  | 15 | 115 | < 1 | 4   | 210 |
| 15151  | ND   | 22  | 5  | 140 | < 1 | 3   | 230 |
| 15152  | ND   | 30  | 13 | 74  | < 1 | 3   | 175 |
| 15153  | ND   | 20  | 6  | 86  | < 1 | < 2 | 145 |
| 15154  | ND   | 46  | 24 | 72  | < 1 | < 2 | 145 |

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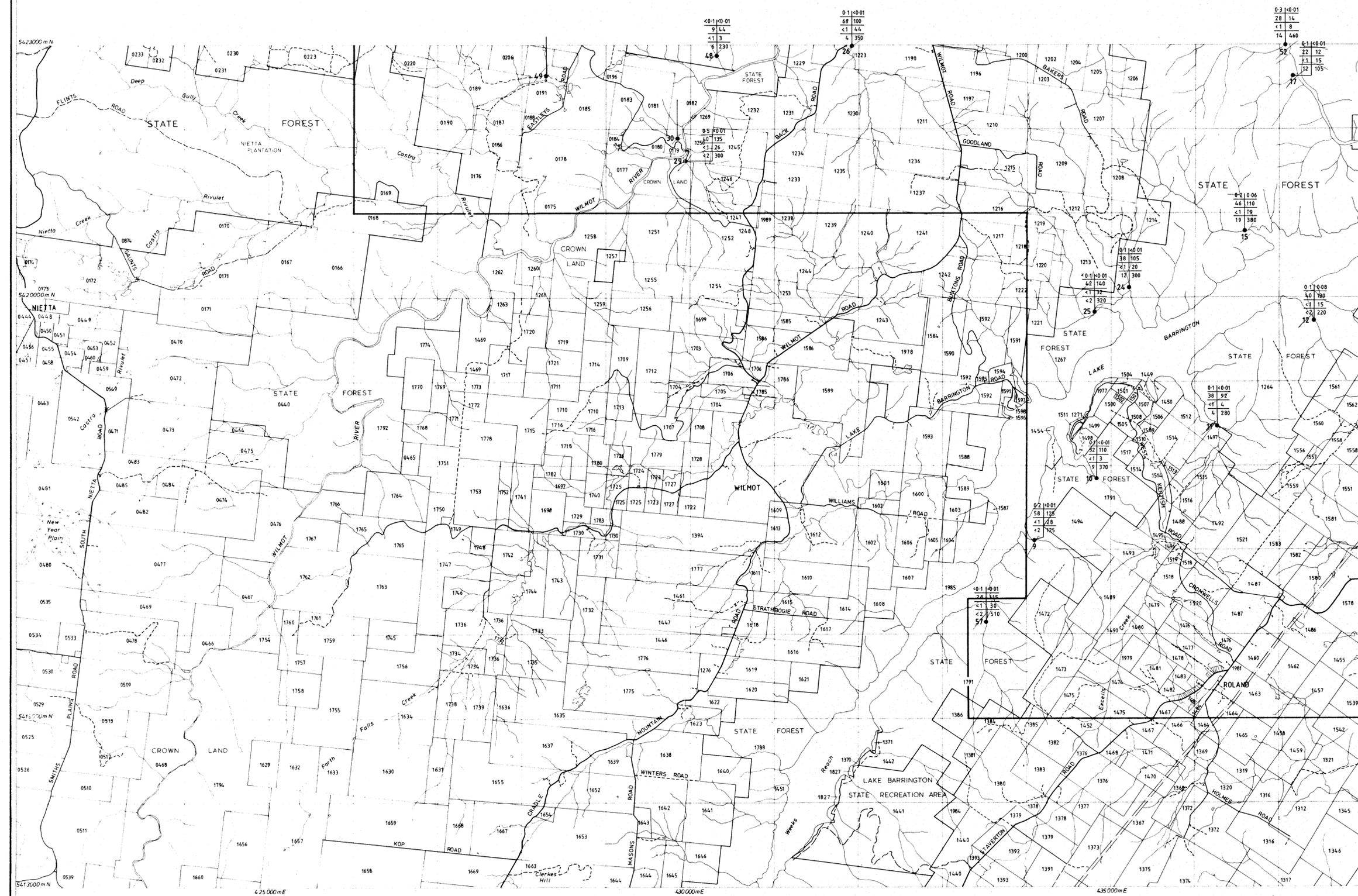
**Billiton Australia**  
The Metals Division of the Shell Company of Australia Limited

Project: LOWER WILMOT

Title: STREAM SEDIMENT SAMPLING FOLLOW UP

|           |           |             |             |         |          |
|-----------|-----------|-------------|-------------|---------|----------|
| Author    | J PR      | Dept.       | TAS         | Scale   | 1:25,000 |
| Drawn     | DH        | Date        | 10/88       | Revised | Date     |
| Checked   | Date      | Scheduled   | Date        |         |          |
| Sheet No. | FIG No 12 | Drawing No. | D/LD 53/006 |         |          |

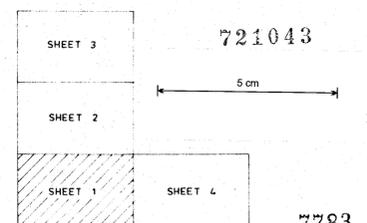
**88-2875**



**LEGEND**

- E.L. Boundary
- Reserve Boundary
- Property Boundary with land number
- Public road
- Gravel road with bridge
- Vehicular track with gate
- Walking track
- Power transmission line
- Wet area
- Creek, river with waterfall
- Stream sediment sample BCL - 80#

|     |    |    |
|-----|----|----|
| BCL | Au | Au |
|     | Cu | Zn |
|     | Ag | Pb |
|     | As | Ba |



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Project: LOWER WILMOT

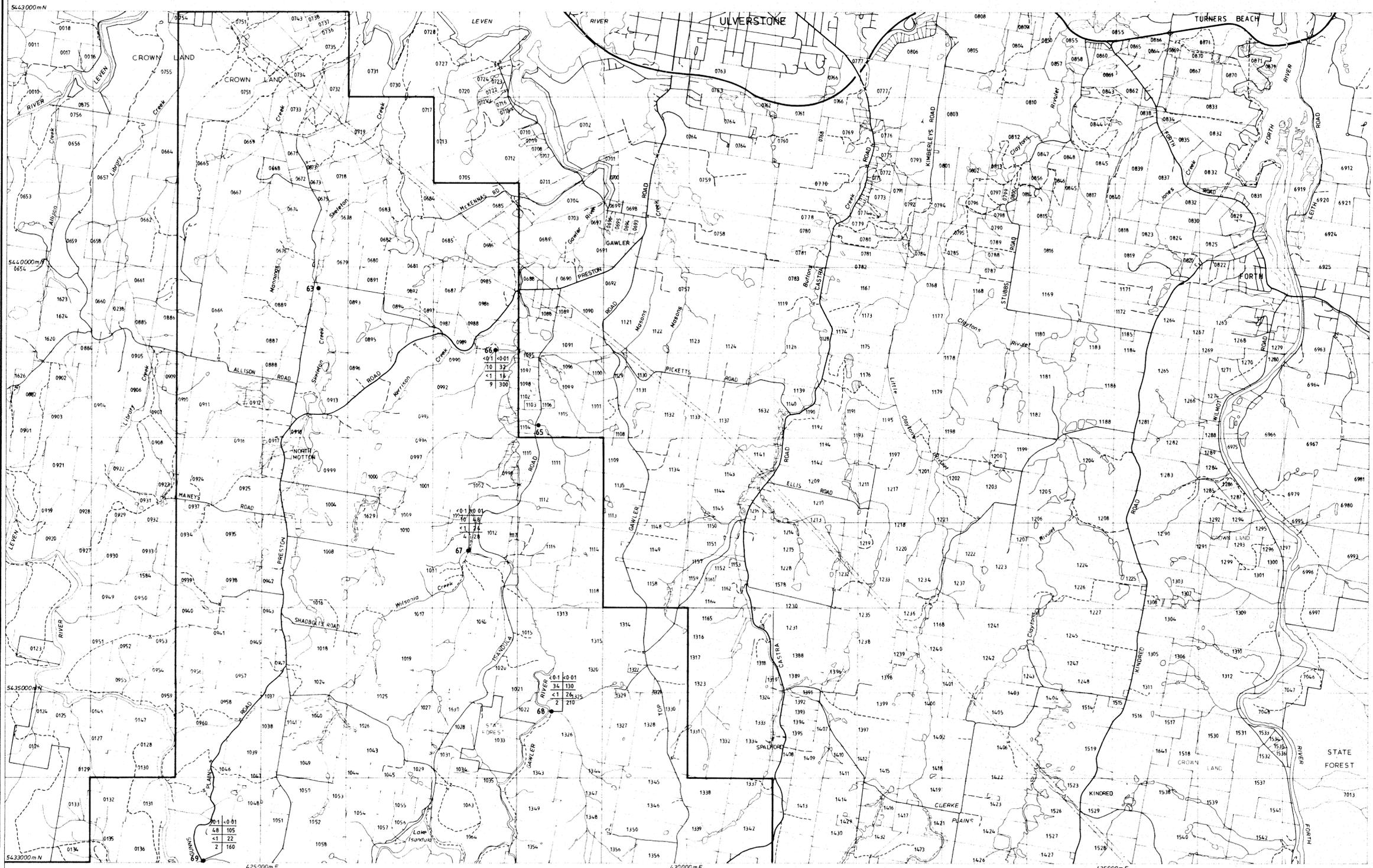
Title: STREAM SEDIMENT SAMPLE LOCATION AND RESULTS

SHEET 7

|           |            |             |             |         |          |
|-----------|------------|-------------|-------------|---------|----------|
| Author    | J.P.R.     | Dept.       | TAS         | Scale   | 1:25,000 |
| Drawn     | OH         | Date        | 5/88        | Revised | Date     |
| Checked   |            | Date        |             | S'ced   | Date     |
| Sheet No. | FIG. No. 8 | Drawing No. | D/LD 53/007 |         |          |

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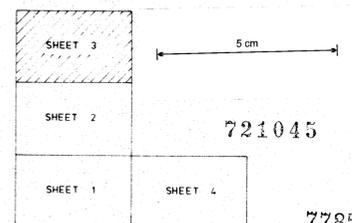




**LEGEND**

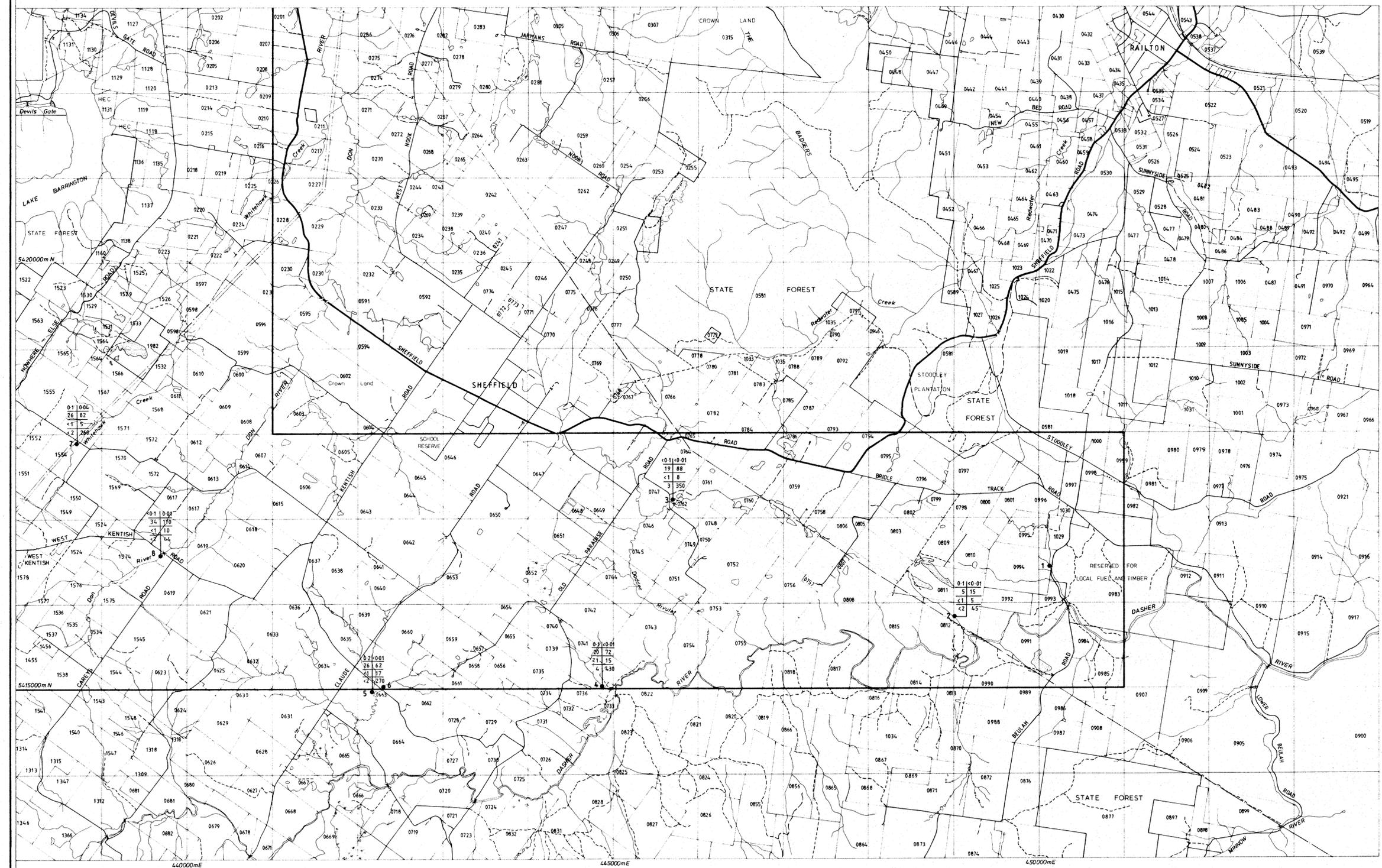
- E. L. Boundary
- Reserve Boundary
- 2015 Property Boundary with land number
- Public Road
- Gravel road with bridge
- - - Vehicular track with gate
- - - Walking track
- - - Power transmission line
- - - Wet area
- - - Creek, river with waterfall
- 20 Stream sediment sample BCL - 80 #

|     |    |    |
|-----|----|----|
| BCL | Au | Au |
|     | Cu | Zn |
|     | Ag | Pb |
|     | As | Ba |



|  |                                   |
|--|-----------------------------------|
| <b>Billiton Australia</b><br>The Metals Division of the Shell Company of Australia Limited |                                   |
| Project<br><b>LOWER WILMOT</b>   |                                   |
| Title<br><b>STREAM SEDIMENT SAMPLE LOCATION AND RESULTS</b>                                |                                   |
| Author   | J.P.R. Dept. TAS Scale 1:25,000   |
| Drawn  | O.H. Date 5/88 Revised Date       |
| Checked  | Date S'ced Date                   |
| Sheet No.  | FIG No 10 Drawing No. D/LD 53/009 |

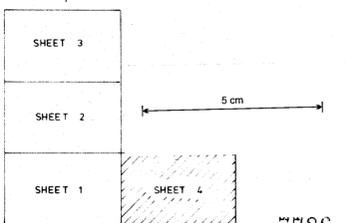
**88-2875**



**LEGEND**

- E.L. Boundary
- Reserve Boundary
- Property Boundary with land number
- Public road
- Gravel road with bridge
- Vehicular track with gate
- Walking track
- Power transmission line
- Wet area
- Creek, river with waterfall
- Stream sediment sample BCL - 80 #

|     |    |    |
|-----|----|----|
| BCL | Au | Au |
|     | Cu | Zn |
|     | Ag | Pb |
|     | As | Ba |



7786

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The Metals Division of the Shell Company of Australia Limited

Project: LOWER WILMOT

Title: STREAM SEDIMENT SAMPLE LOCATION AND RESULTS

Author: JPR Dept: TAS Scale: 1:25,000

|            |            |              |             |
|------------|------------|--------------|-------------|
| Drawn: OH  | Date: 5/88 | Revised:     | Date:       |
| Checked:   | Date:      | S'ced:       | Date:       |
| Sheet No.: | FIG No. 11 | Drawing No.: | D/LD 53/010 |

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88-2875

SHEET 10