

ANNUAL REPORT
EXPLORATION LICENCE 8255

24th September, 1993
to
23rd September, 1994

Licensee: Ashton Mining Limited
Operator: Ashton Mining Limited
Sheet Reference: 1:250,000 Bauhinia Downs (SD 53-03)
Submitted to: Department of Mines and Energy
DARWIN

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SUMMARY

During the period 24th September, 1993 to 23rd September, 1994 Ashton Mining Limited, on behalf of the Australian Diamond Exploration Joint Venture (ADE JV), carried out an exploration programme over Exploration Licence 8255. This report provides details of work undertaken on the licence during the reporting period.

Ashton undertook a gravel sampling programme during the first year of tenure. A total of two samples were collected and are currently undergoing analysis at Ashton's laboratory. Results are awaited.

Exploration expenditure for the reporting period amounted to \$12,909 against a covenant of \$10,000.

1.0 INTRODUCTION

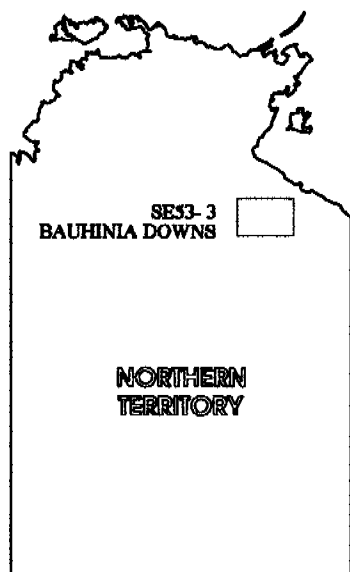
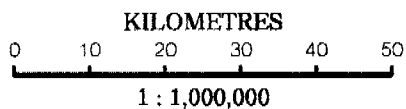
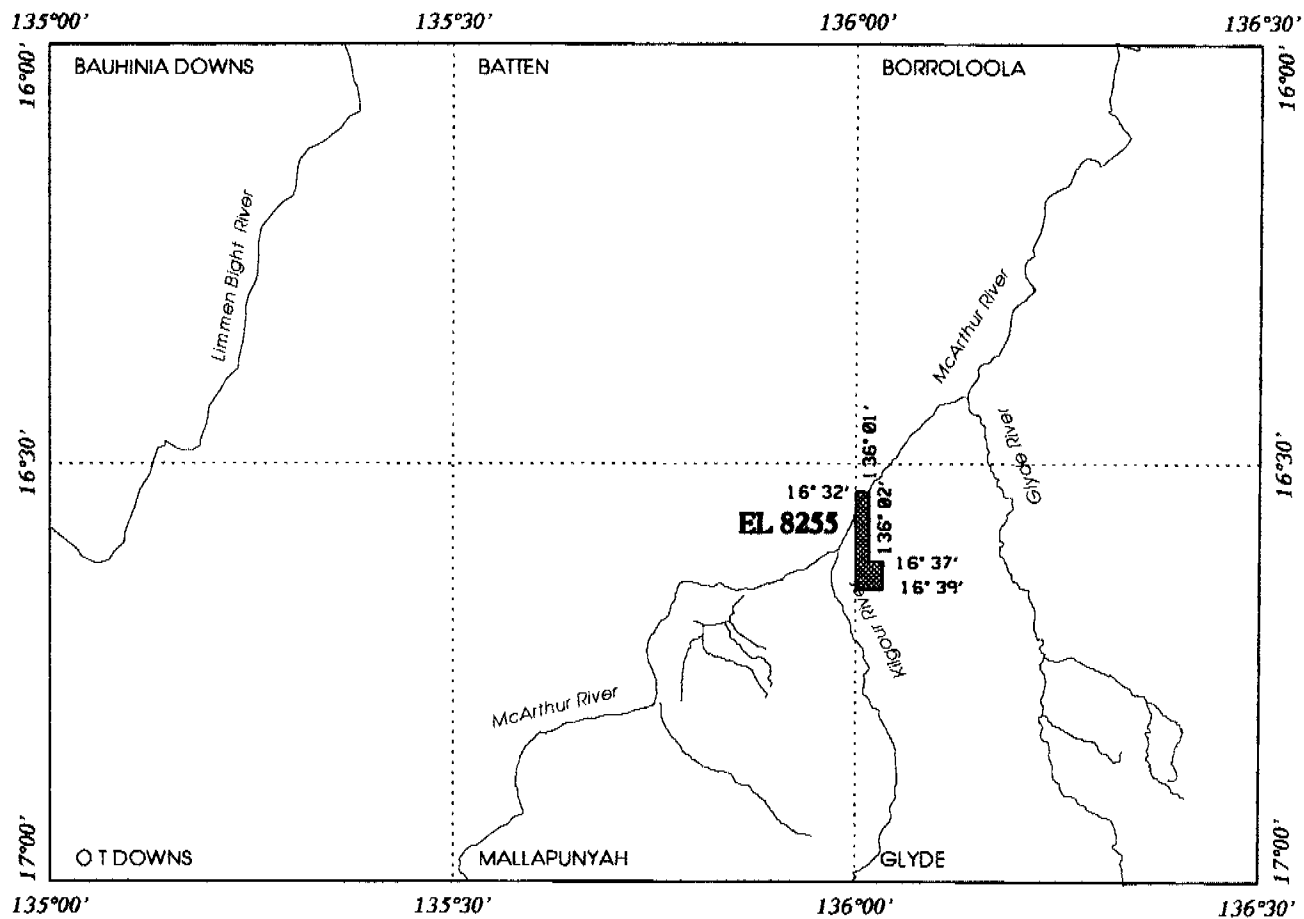
Exploration Licence 8255 was granted to Ashton Mining Limited on 24th September, 1993, for a period of six years. The licence covers an area of 9 blocks and is located on the Bauhinia Downs (SD 53-03) 1:250,000 map sheet. A tenement location map is shown in Figure 1. The target for exploration within this licence is diamond bearing kimberlitic intrusives.

This report provides a summary of work undertaken by Ashton Mining during the reporting period 24th September, 1993 to 23rd September, 1994. A statement of expenditure is included in this report.

2.0 EXPLORATION PROGRAMME

2.1 Data Review

Prior to commencing field work, a comprehensive data review of results and previous exploration in the tenement area was undertaken. This highlighted areas which had not been adequately explored. Proposed gravel sample locations were then selected and plotted in the office on the Gye 1:100,000 map sheet.



**ASHTON MINING LIMITED
ADE JOINT VENTURE**

**FIGURE 1
EXPLORATION LICENCE 8255
LOCATION MAP**

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2.2 Gravel Sampling

During the first year of tenure, Ashton implemented a gravel sampling programme within the licence area. A total of two samples were collected and forwarded to Ashton's Perth laboratory for analysis. Processing of these samples is underway, however results will not be available until the next reporting period.

Sample locations are shown on Figure 2.

2.3 Laboratory Procedure

The samples are being processed by the Ashton Mining Limited Laboratory in Perth, where they are concentrated by Wilfley Table and heavy liquid separation techniques.

The heavy liquid used is tetrabromethane with a specific gravity of 2.96. The concentrates will then be screened into various size fractions, further concentrated by magnetic and electrostatic separation techniques and a comprehensive grain by grain examination carried out on the minus 1.0mm plus 0.425mm fractions.

3.0 EXPLORATION EXPENDITURE

Exploration expenditure for the period 24th September, 1993 to 23rd September, 1994 amounted to \$ 12,909. A detailed breakdown of expenditure is given in Appendix 1.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Additional stream sampling in the unsampled portions of the Exploration Licence is recommended. The extent of this work will also be dependant upon the outcome of the 2 samples collected in the reporting period.

5.0 PROPOSED PROGRAMME AND BUDGET

The proposed programme and budget for the period 24th September, 1994 to 23rd September, 1995 is as follows:

- . Assessment and interpretation of sample results when available.
- . Further gravel sampling and follow-up of positive results.
- . Possible airborne geophysical surveys.

Budget:

Geoscientist/Professional	1,500
Field Support/Office Staff	2,300
Other Contractors	200
Travel/Accommodation/Meals	1,500
Field Supplies	1,000
Equipment Hire	1,000
Vehicles	800
Helicopter Charter	2,200
Fixed Wing Air Charter	3,000
Geophysical Survey	4,200
Laboratory	2,000
Drafting	50
Sub-total	19,750
10% Overheads	1,975
TOTAL:	\$ 21,725

APPENDIX 1

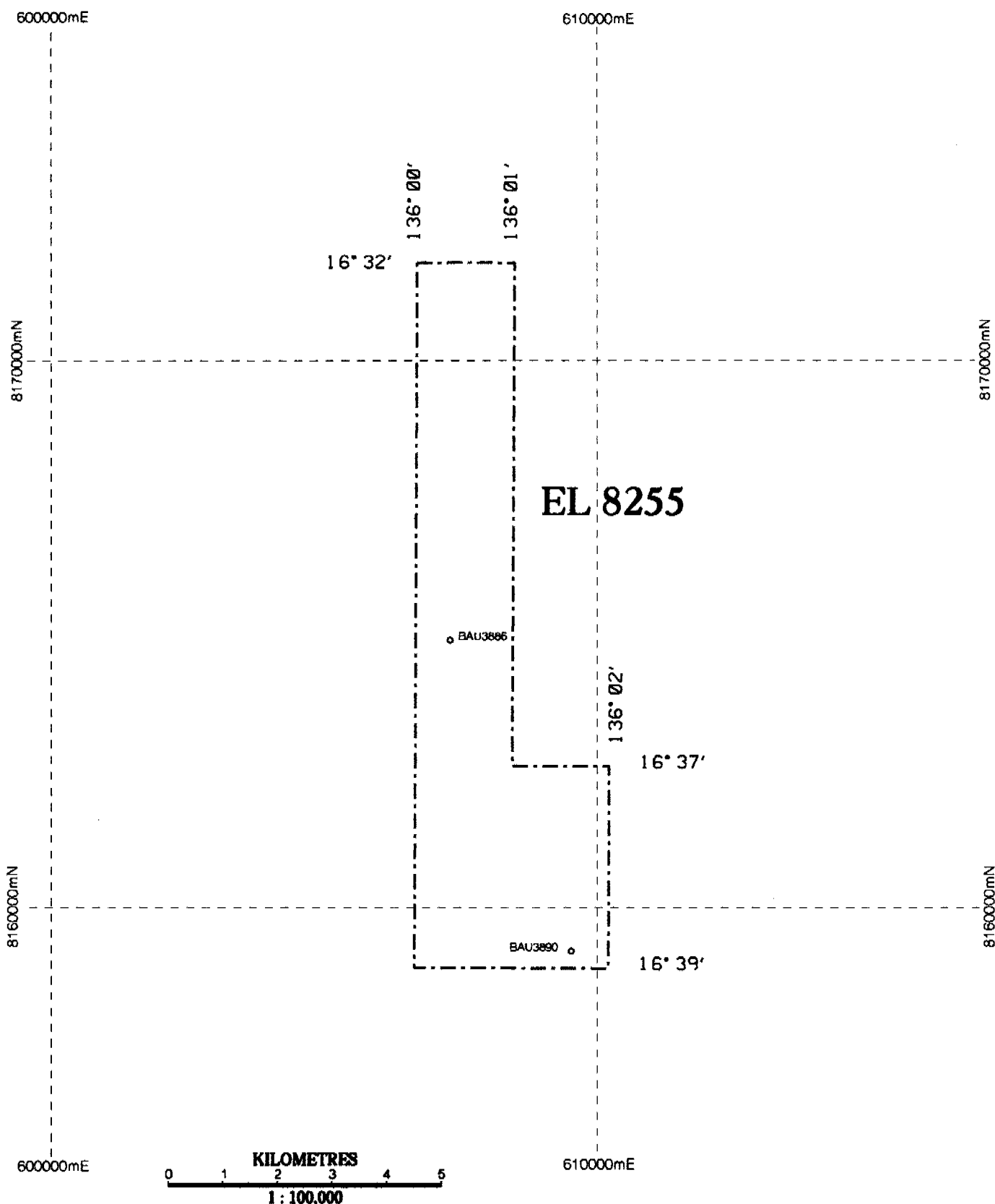
Statement of Expenditure

STATEMENT OF EXPENDITURE

EXPLORATION LICENCE 8255

For the period
24th September, 1993 to 23rd September, 1994

Geoscientist/Professional	789
Field Support/Office Staff	2,289
Travel/Accommodation/Meals	1,500
Field Supplies	1,240
Operating Costs	2,543
Vehicles	1,002
Freight/Storage	2,333
Drafting	40
Sub-Total	<hr/> 11,736
10% Overheads	1,173
Total:	<hr/> \$ 12,909 <hr/>



- Sample - not yet processed
- Sample - negative
- ◆ Sample - chromite positive
- ◇ Sample - diamond positive
- Sample - other indicators

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A.D.E. JOINT VENTURE**

**E.L. 8255
FIGURE 2
SAMPLE LOCATIONS**

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