

ANNUAL REPORT
EXPLORATION LICENCE 8133

24th September, 1993
to
23rd September, 1994

Licensee: Ashton Mining Limited

Operator: Ashton Mining Limited

Sheet Reference: 1:250,000 Bauhinia Downs (SE53-03)

Submitted to: Department of Mines and Energy
DARWIN

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CONTENTS

SUMMARY	(i)
1.0 INTRODUCTION	1
2.0 DIAMOND EXPLORATION PROGRAMME	1
2.1 Data Review	1
2.2 Gravel Sampling	2
2.3 Laboratory Procedure	2
3.0 EXPLORATION EXPENDITURE	2
4.0 CONCLUSIONS AND RECOMMENDATIONS	3
5.0 PROPOSED PROGRAMME AND BUDGET	3

FIGURES

- Figure 1. Tenement Location Plan
Figure 2. Sample Location Plan

APPENDICES

- Appendix 1. Statement of Expenditure

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 8133. 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 twenty seven samples were collected and are currently undergoing analysis at Ashton's laboratory. Results are awaited.

Exploration expenditure for the reporting period amounted to \$34,763 against a covenant of \$40,000.

1.0 INTRODUCTION

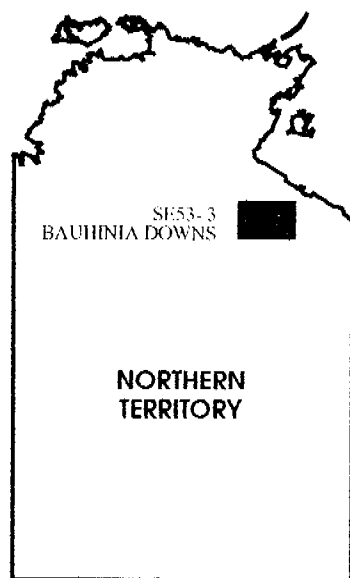
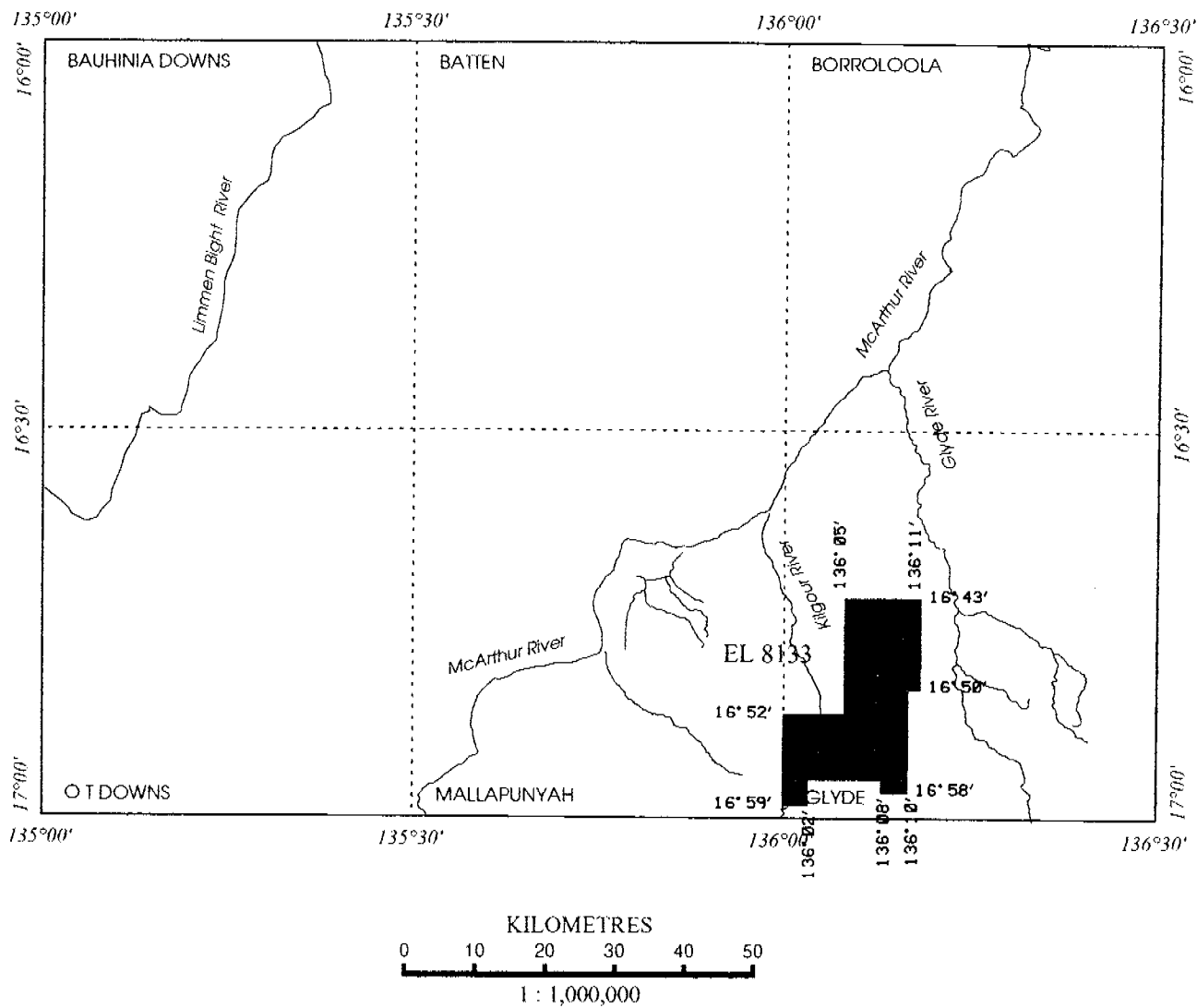
Exploration Licence 8133 was granted to Ashton Mining Limited on 24th September, 1993, for a period of six years. The licence covers an area of 108 blocks and is located on the Bauhinia Downs (SE 53-03) 1:250,000 map sheet. A tenement location map is shown in Figure 1. The target for exploration within 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 Glyde 1:100,000 map sheet.



**ASHTON MINING LIMITED
ADE JOINT VENTURE**

**FIGURE 1
EXPLORATION LICENCE 8133
LOCATION MAP**

OCTOBER, 1994

2.2 Gravel Sampling

During the first year of tenure, Ashton implemented a gravel sampling programme within the licence area. A total of twenty seven 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 \$ 34,763. A detailed breakdown of expenditure is given in Appendix 1.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Recommendations for further work will be dependant on the outcome of the 27 samples collected in this 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	2,000
Field Support/Office Staff	4,500
Other Contractors	800
Travel/Accommodation/Meals	2,500
Field Supplies	1,800
Equipment Hire	1,800
Vehicles	1,000
Helicopter Charter	3,200
Fixed Wing Air Charter	3,000
Geophysical Survey	5,000
Laboratory	3,400
Drafting	100
Sub-total	29,100
10% Overheads	2,910
TOTAL:	\$ 32,010

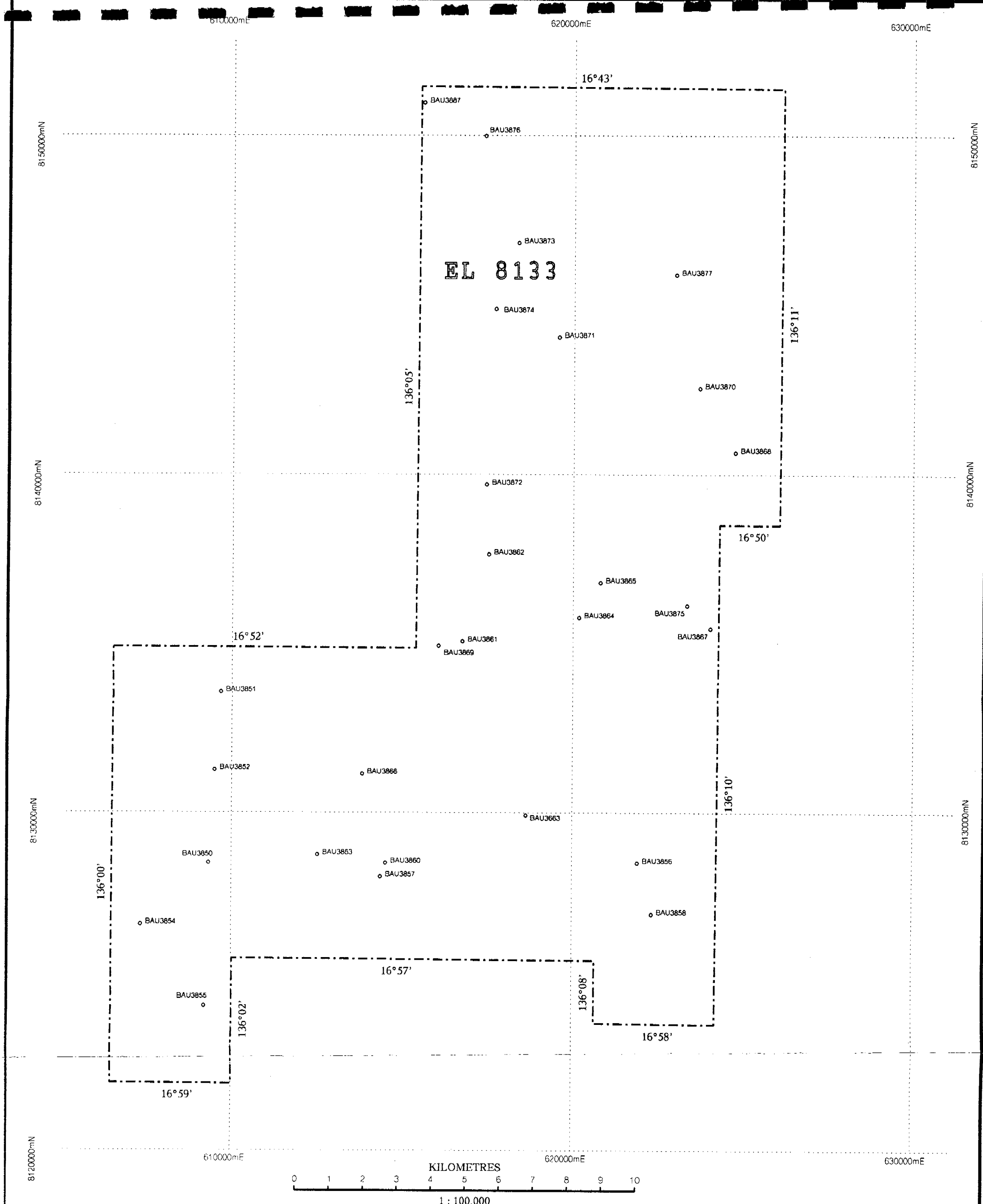
APPENDIX 1
Statement of Expenditure

STATEMENT OF EXPENDITURE

EXPLORATION LICENCE 8133

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

Geoscientist/Professional	3,087
Field Support/Office Staff	4,341
Travel/Accommodation/Meals	3,426
Field Supplies	4,289
Operating Costs	3,678
Equipment Hire	3,001
Vehicles	2,627
Freight/Storage	2,049
Helicopter Charter	5,005
Drafting	100
Sub-Total	<hr/> 31,603
10% Overheads	3,160
Total:	<hr/> <hr/> \$ 34,763



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



ASETON MINING LIMITED		
A.D.E. JOINT VENTURE		
EXPLORATION LICENCE 8133		
SAMPLE LOCATIONS		
FIGURE 2		
Geologist :	Date : OCTOBER , 1994	Report No :
Drafted : M.F.Ariotti	Revised :	Drawing No :