

CR 95 / 917

FINAL REPORT
EXPLORATION LICENCE 7905

11th December, 1992
to
22nd September, 1995

Licensee: Ashton Mining Limited

Operator: Ashton Mining Limited

Sheet Reference: 1:250,000 Brunette Downs (SE 53-11)

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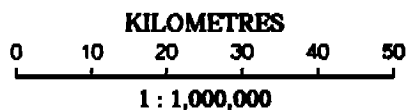
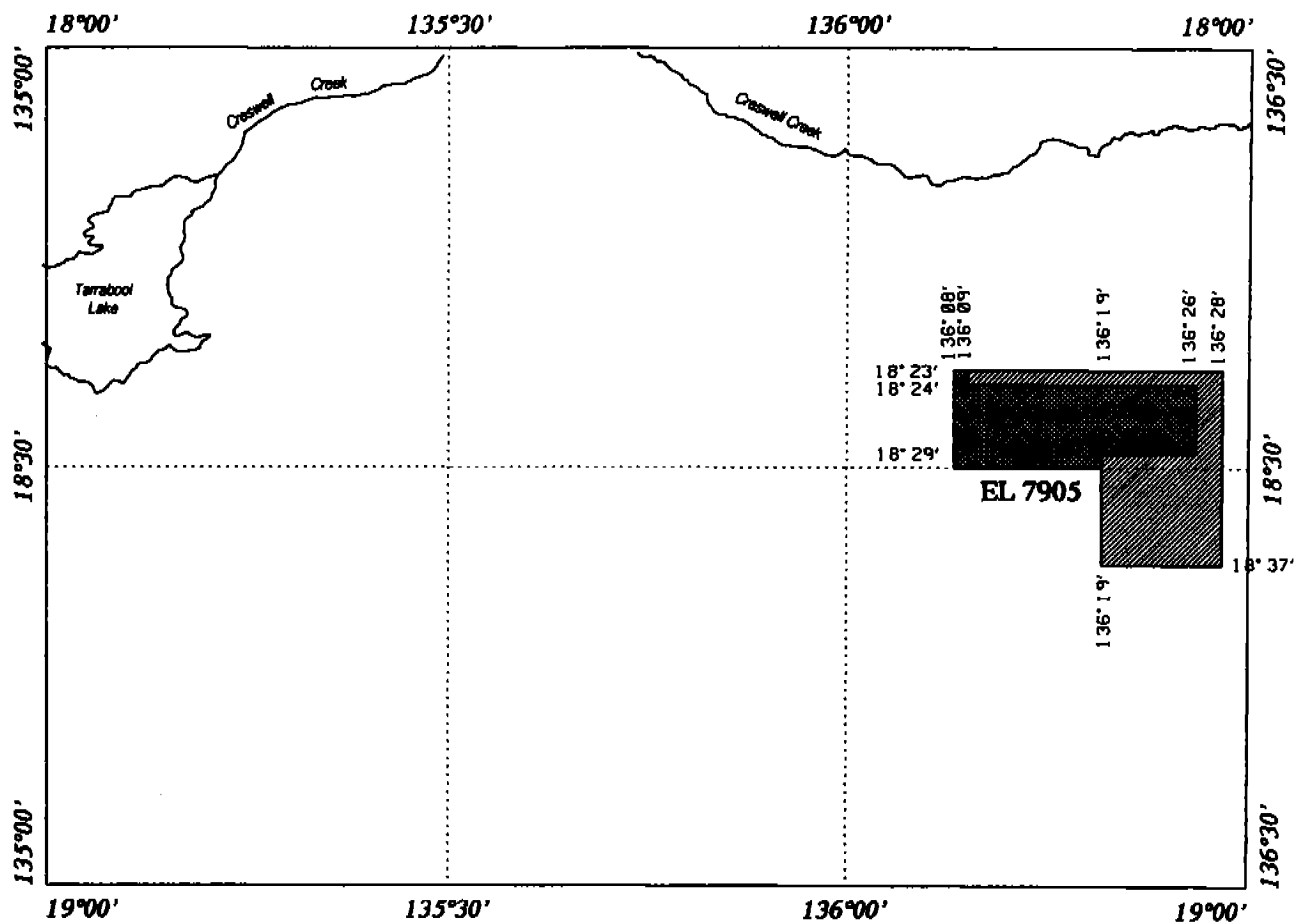
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SUMMARY

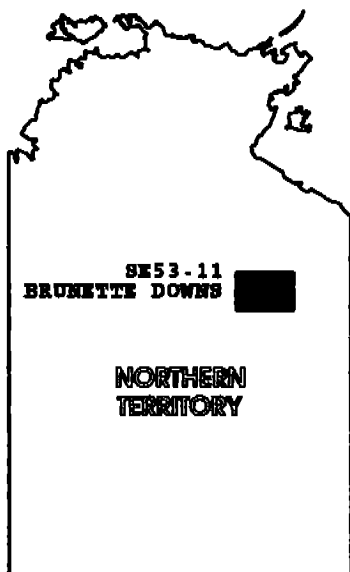
During the period 11th December 1992 to 22nd September 1995, Ashton Mining Limited, on behalf of the Australian Diamond Exploration Joint Venture (ADE JV), carried out an exploration programme over Exploration Licence 7905. This report provides details of work undertaken during the life of the licence.

During the life of Exploration Licence 7905, three bulk gravel, thirty loam and eight stream samples were collected. Samples were analysed for microdiamond and diamond indicator minerals at the Ashton Mining Laboratory, Jolimont, Perth. Three gravel samples and two gravel bulk samples reported positive result. All other samples returned a negative result.

Exploration expenditure for the entire life of Exploration Licence 7905 amounted to \$46,055.



 ORIGINAL EXTENT OF LICENCE
 FINAL EXTENT OF LICENCE



ASHTON MINING LIMITED
A.D.E. JOINT VENTURE
FINAL REPORT
FIGURE 1
EXPLORATION LICENCE 7905
LOCATION MAP

NOVEMBER, 1995

1.0 INTRODUCTION

Exploration Licence 7905 was granted to Ashton Mining Limited on 11th December 1992, for a period of six years. The licence covered an area of 203 blocks and was located on the Brunette Downs 1:250,000 map sheet. In 1994, 102 blocks were relinquished. A tenement location map is shown in Figure 1. The target for exploration within this licence was diamond bearing kimberlitic intrusives.

This report provides a summary of work undertaken by Ashton Mining Limited during the life of the licence. A statement of expenditure is included in this report.

2.0 EXPLORATION PROGRAMME AND RESULTS

2.1 Year One

2.1.1 Data Review

A review of previous exploration undertaken by the ADE Joint Venture on EL 4342 revealed an unexplained occurrence of a microdiamond in a tributary of Fish Hole Creek. However, no indicator minerals had been reported. (Results are shown in Appendix 1).

2.1.2 Stream Sampling

Reconnaissance stream sampling was completed over the tenement area, aimed at locating indicator minerals other than microdiamonds. A total of eight stream samples were collected. All samples were delivered to Ashton's Perth Laboratory to analyse for diamond and diamond indicator minerals.

Sample locations are shown on Plan 1 and results are listed in Appendix 1.

2.1.3 Bulk Sampling

A 30 tonne bulk sample (BSFHC) was collected from Fish Hole Creek and processed by HMS plant situated at Cape Crawford. No commercially sized diamonds were recovered.

In addition, two one tonne gravel samples were collected. These samples were processed at Ashton's Perth laboratory for diamond and indicator minerals. Both samples reported microdiamond positive.

Sample locations are shown on Plan 1 and results are listed in Appendix 1.

2.2 Year Two

2.2.1 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 Paradise Bore and Boree 1:100,000 map sheets.

2.2.2 Loam Sampling

During the second year of tenure, Ashton implemented a loam sampling programme within the licence area. A total of thirty samples were collected and forwarded to Ashton's Perth laboratory for analysis. Results were not available at the time of reporting.

Sample location are shown on Plan 1. A list of samples is provided in Appendix 1.

2.3 Year Three

2.3.1 Data Review

Outstanding results from the last exploration programme were made available. The poor results were reviewed in relation to the entire licence area. This highlighted areas which may not have been sampled adequately. A proposed sampling programme was tentatively planned and plotted in the office on the Paradise Bore and Boree 1:100,000 map sheets.

2.3.2 Sampling Programme

Field observations of the unsampled portions of the licence indicated a lack of suitable sampling locations. Hence, the proposed sample programme was abandoned.

2.4 Laboratory Results

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

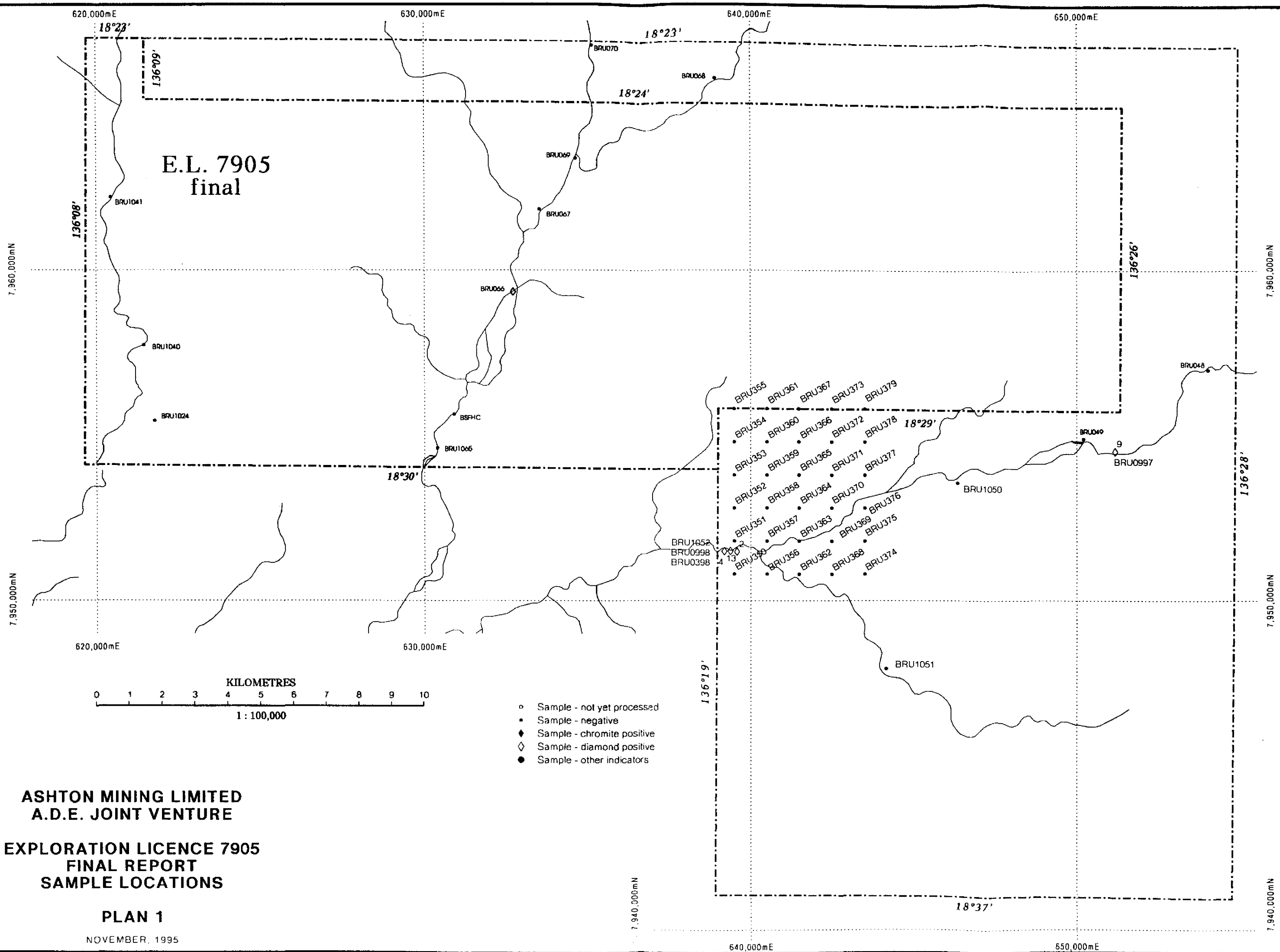
The heavy liquid used is tetrabromethane with a specific gravity of 2.96. The concentrates will then be screened into various size fractions, further concentrated by magnetic and electrostatic separation techniques and a comprehensive grain by grain examination carried out on the minus 1.0mm plus 0.425mm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

3.0 EXPLORATION EXPENDITURE

Exploration expenditure for the life of the Exploration Licence 7905 amounted to \$46,055. A detailed breakdown of expenditure is given in Appendix 2.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The target for exploration within this licence was diamond bearing kimberlitic intrusives. Despite the recovery of microdiamonds from regional stream and bulk sampling, no indicator minerals were recovered. As a result, it was decided that no further work was to be afforded to Exploration Licence 7905, and title was recommended for surrender.



APPENDIX 1

Sample Results

**SAMPLE RESULTS FOR EXPLORATION LICENCE 7905
FINAL REPORT**

SAMPLE	RESULT	TYPE	GRID	DIAMOND		CHROMITE	OTHER
				MICRO	MACRO		
*BRU00048	neg	G	-	-	-	-	-
*BRU00049	neg	G	-	-	-	-	-
*BRU00066	POS	G	-	1	-	-	-
*BRU00067	neg	G	-	-	-	-	-
*BRU00068	neg	G	-	-	-	-	-
*BRU00069	neg	G	-	-	-	-	-
*BRU00070	neg	G	-	-	-	-	-
* Reported in final report for EL 4342							
BRU00350	neg	L	-	-	-	-	-
BRU00351	neg	L	-	-	-	-	-
BRU00352	neg	L	-	-	-	-	-
BRU00353	neg	L	-	-	-	-	-
BRU00354	neg	L	-	-	-	-	-
BRU00355	neg	L	-	-	-	-	-
BRU00356	neg	L	-	-	-	-	-
BRU00357	neg	L	-	-	-	-	-
BRU00358	neg	L	-	-	-	-	-
BRU00359	neg	L	-	-	-	-	-
BRU00360	neg	L	-	-	-	-	-
BRU00361	neg	L	-	-	-	-	-
BRU00362	neg	L	-	-	-	-	-
BRU00363	neg	L	-	-	-	-	-
BRU00364	neg	L	-	-	-	-	-
BRU00365	neg	L	-	-	-	-	-
BRU00366	neg	L	-	-	-	-	-
BRU00367	neg	L	-	-	-	-	-
BRU00368	neg	L	-	-	-	-	-
BRU00369	neg	L	-	-	-	-	-
BRU00370	neg	L	-	-	-	-	-
BRU00371	neg	L	-	-	-	-	-
BRU00372	neg	L	-	-	-	-	-
BRU00373	neg	L	-	-	-	-	-
BRU00374	neg	L	-	-	-	-	-
BRU00375	neg	L	-	-	-	-	-
BRU00376	neg	L	-	-	-	-	-
BRU00377	neg	L	-	-	-	-	-
BRU00378	neg	L	-	-	-	-	-
BRU00379	neg	L	-	-	-	-	-
BRU00398	neg	G	-	4	-	-	-
BRU00997	POS	GB	-	13	1	-	-
BRU00998	POS	GB	-	9	-	-	-
BRU01024	neg	G	-	-	-	-	-
BRU01040	POS	G	-	1	-	-	-
BRU01041	neg	G	-	-	-	-	-
BRU01050	neg	G	-	-	-	-	-
BRU01051	neg	G	-	-	-	-	-
BRU01052	POS	G	-	2	-	-	-
BRU01065	neg	G	-	-	-	-	-
BSFHC	NEG	GB	-	-	-	-	-

APPENDIX 2

Statement of Expenditure

FINAL REPORT
STATEMENT OF EXPENDITURE
EXPLORATION LICENCE 7905

For the period
11th December, 1992 to 22nd September, 1995

Geoscientist/Professional	10,099
Field Support/Office Staff	8,902
Travel/Accommodation/Meals	2,564
Field Supplies	3,260
Equipment Hire	3,200
Vehicles	3,021
Freight/Storage	186
Helicopter Charter	4,670
Air Charter	2,800
Laboratory	2,200
Drafting/computing	967
Sub-Total	<hr/> 41,869
10% Overheads	4,186
Total:	<hr/> \$ 46,055 <hr/>