

ANNUAL REPORT
EXPLORATION LICENCE 8162

12th October, 1993
to
11th October, 1994

Licensee: Ashton Mining Limited

Operator: Ashton Mining Limited

Sheet Reference: 1:250,000 Hodgson Downs (SD-53-14)

Submitted to: Department of Mines and Energy
DARWIN

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SUMMARY

During the period 12th October, 1993 to 11th October, 1994 Ashton Mining Limited, on behalf of the Australian Diamond Exploration Joint Venture (ADE JV), carried out an exploration programme over Exploration Licence 8162. 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 109 samples were collected and submitted to Ashton's laboratory for analysis. Fifty-one samples have been processed, with two samples returning positive for indicator minerals. Results are awaited for the remaining samples.

Exploration expenditure for the reporting period amounted to \$ 46,623 against a covenant of \$ 25,000 .

1.0 INTRODUCTION

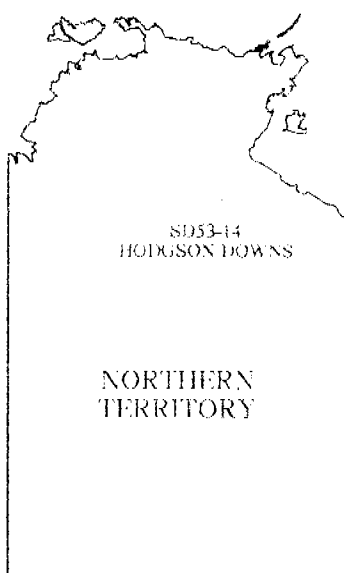
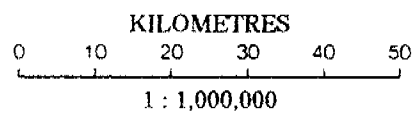
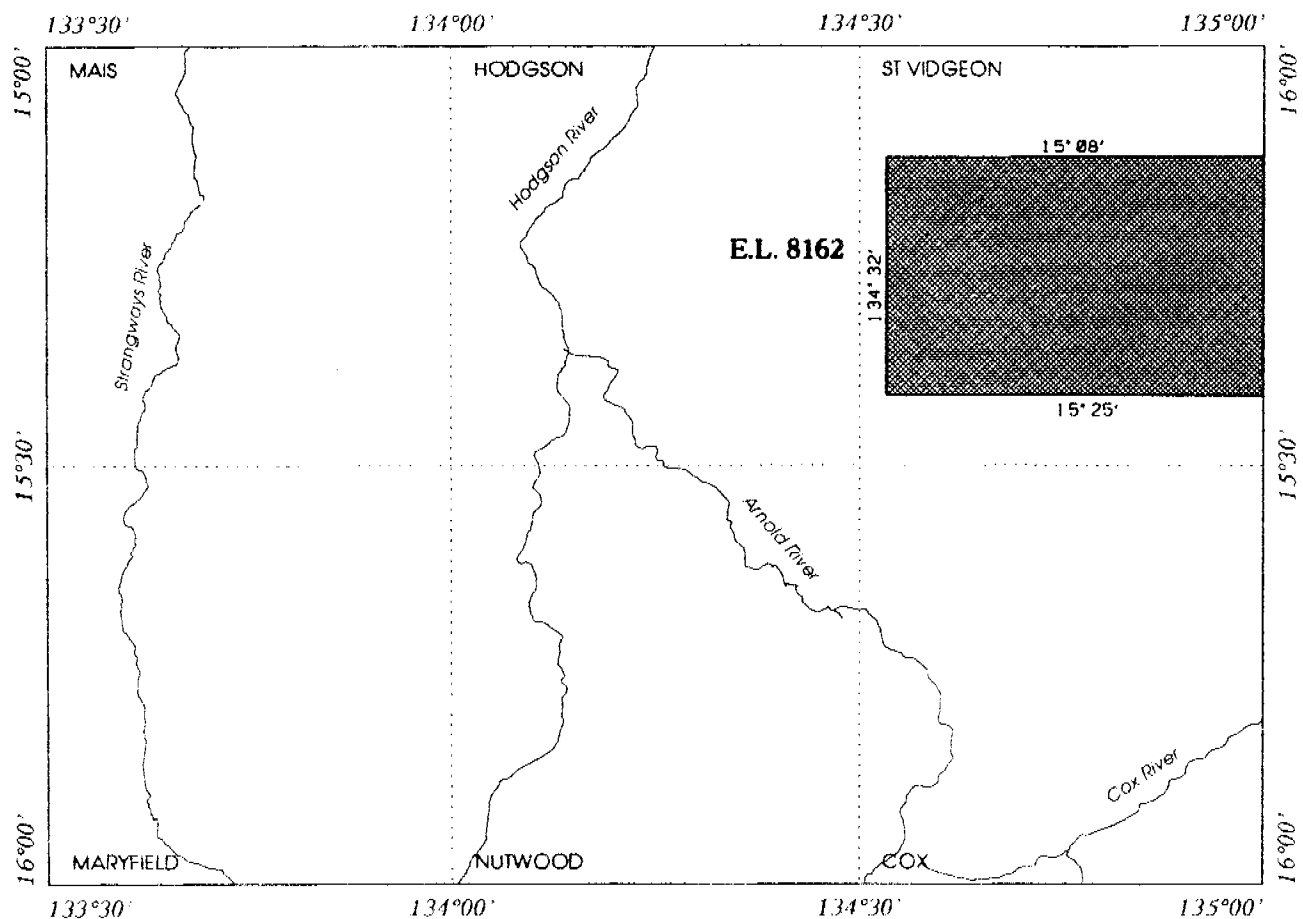
Exploration Licence 8162 was granted to Ashton Mining Limited on 12th October, 1993, for a period of six years. The licence covers an area of 476 blocks and is located on the Hodgson Downs (SD 53-14) 1:250,000 map sheet. A tenement location map is shown in Figure 1. The target for exploration within this licence is diamond bearing kimberlitic intrusives.

This report provides a summary of work undertaken by Ashton Mining during the reporting period 12th October, 1993 to 11th October, 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 St Vidgeon 1:100,000 map sheet.



**ASHTON MINING LIMITED
ADE JOINT VENTURE**

**FIGURE 1
EXPLORATION LICENCE 8162
LOCATION MAP**

NOVEMBER, 1994

2.2 Gravel Sampling

During the first year of tenure, Ashton implemented a gravel sampling programme within the licence area. A total of one hundred and nine samples were collected and forwarded to Ashton's Perth laboratory for analysis. To date, fifty-one samples have been processed, with two samples returning positive for indicator minerals. Processing of the remaining samples is underway.

Sample locations are shown on Plan 1. A sample listing is provided in Appendix 1.

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 12th October, 1993 to 11th October, 1994 amounted to \$ 46,623. A detailed breakdown of expenditure is given in Appendix 2.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Further work in this area will be dependent on the outstanding results of the reconnaissance gravel sampling.

5.0 PROPOSED PROGRAMME AND BUDGET

The proposed programme and budget for the period 12th October, 1994 to 11th October, 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:

Labour	6,000
Field Support	2,500
Vehicles	2,000
Helicopter Charter/Fuel	8,000
Laboratory	13,000
Survey	10,000
Sub-total	41,500
10% Overheads	4,150
TOTAL:	\$ 45,650

APPENDIX 1

Sample Results

RESULTS FOR EXPLORATION LICENCE 8162

SAMPLE	RESULT	TYPE	GRID	DIAMOND		CHROMITE	OTHER
				MICRO	MACRO		
HOD01089	neg	G	-	-	-	-	-
HOD01090	neg	G	-	-	-	-	-
HOD01091	neg	G	-	-	-	-	-
HOD01092	neg	G	-	-	-	-	-
HOD01093	neg	G	-	-	-	-	-
HOD01094	neg	G	-	-	-	-	-
HOD01095	neg	G	-	-	-	-	-
HOD01096	neg	G	-	-	-	-	-
HOD01097	neg	G	-	-	-	-	-
HOD01098	POS	G	-	-	-	1	-
HOD01099	neg	G	-	-	-	-	-
HOD01100	neg	G	-	-	-	-	-
HOD01101	neg	G	-	-	-	-	-
HOD01102	neg	G	-	-	-	-	-
HOD01106	neg	G	-	-	-	-	-
HOD01107	neg	G	-	-	-	-	-
HOD01108	neg	G	-	-	-	-	-
HOD01110	neg	G	-	-	-	-	-
HOD01111	neg	G	-	-	-	-	-
HOD01112	neg	G	-	-	-	-	-
HOD01113	neg	G	-	-	-	-	-
HOD01114	neg	G	-	-	-	-	-
HOD01115	neg	G	-	-	-	-	-
HOD01116	neg	G	-	-	-	-	-
HOD01117	neg	G	-	-	-	-	-
HOD01118	neg	G	-	-	-	-	-
HOD01119	neg	G	-	-	-	-	-
HOD01120	neg	G	-	-	-	-	-
HOD01121	neg	G	-	-	-	-	-
HOD01122	neg	G	-	-	-	-	-
HOD01123	neg	G	-	-	-	-	-
HOD01124	neg	G	-	-	-	-	-
HOD01126	neg	G	-	-	-	-	-
HOD01127	neg	G	-	-	-	-	-
HOD01128	neg	G	-	-	-	-	-
HOD01129	neg	G	-	-	-	-	-
HOD01130	neg	G	-	-	-	-	-
HOD01131	POS	G	-	-	-	1	-
HOD01132	neg	G	-	-	-	-	-
HOD01133	neg	G	-	-	-	-	-
HOD01134	neg	G	-	-	-	-	-
HOD01135	neg	G	-	-	-	-	-
HOD01136	neg	G	-	-	-	-	-
HOD01137	neg	G	-	-	-	-	-
HOD01138	neg	G	-	-	-	-	-
HOD01139	neg	G	-	-	-	-	-
HOD01141	neg	G	-	-	-	-	-
HOD01142	neg	G	-	-	-	-	-
HOD01143	neg	G	-	-	-	-	-
HOD01146	neg	G	-	-	-	-	-
HOD01150	npro	G	-	-	-	-	-
HOD01152	npro	G	-	-	-	-	-
HOD01153	npro	G	-	-	-	-	-
HOD01154	npro	G	-	-	-	-	-

SAMPLE	RESULT	TYPE	GRID	DIAMOND		CHROMITE	OTHER
				MICRO	MACRO		
HOD01155	npro	G	-	-	-	-	-
HOD01156	npro	G	-	-	-	-	-
HOD01157	npro	G	-	-	-	-	-
HOD01158	npro	G	-	-	-	-	-
HOD01159	npro	G	-	-	-	-	-
HOD01160	npro	G	-	-	-	-	-
HOD01163	npro	G	-	-	-	-	-
HOD01164	npro	G	-	-	-	-	-
HOD01165	npro	G	-	-	-	-	-
HOD01166	npro	G	-	-	-	-	-
HOD01167	npro	G	-	-	-	-	-
HOD01168	npro	G	-	-	-	-	-
HOD01169	npro	G	-	-	-	-	-
HOD01170	npro	G	-	-	-	-	-
HOD01171	npro	G	-	-	-	-	-
HOD01172	npro	G	-	-	-	-	-
HOD01173	npro	G	-	-	-	-	-
HOD01174	npro	G	-	-	-	-	-
HOD01175	npro	G	-	-	-	-	-
HOD01176	npro	G	-	-	-	-	-
HOD01177	npro	G	-	-	-	-	-
HOD01178	npro	G	-	-	-	-	-
HOD01179	npro	G	-	-	-	-	-
HOD01180	npro	G	-	-	-	-	-
HOD01181	npro	G	-	-	-	-	-
HOD01182	npro	G	-	-	-	-	-
HOD01183	npro	G	-	-	-	-	-
HOD01184	npro	G	-	-	-	-	-
HOD01185	npro	G	-	-	-	-	-
HOD01186	npro	G	-	-	-	-	-
HOD01187	npro	G	-	-	-	-	-
HOD01188	npro	G	-	-	-	-	-
HOD01189	npro	G	-	-	-	-	-
HOD01190	npro	G	-	-	-	-	-
HOD01191	npro	G	-	-	-	-	-
HOD01193	npro	G	-	-	-	-	-
HOD01194	npro	G	-	-	-	-	-
HOD01195	npro	G	-	-	-	-	-
HOD01197	npro	G	-	-	-	-	-
HOD01198	npro	G	-	-	-	-	-
HOD01200	npro	G	-	-	-	-	-
HOD01201	npro	G	-	-	-	-	-
HOD01202	npro	G	-	-	-	-	-
HOD01203	npro	G	-	-	-	-	-
HOD01205	npro	G	-	-	-	-	-
HOD01206	npro	G	-	-	-	-	-
HOD01207	npro	G	-	-	-	-	-
HOD01208	npro	G	-	-	-	-	-
HOD01209	npro	G	-	-	-	-	-
HOD01210	npro	G	-	-	-	-	-
HOD01212	npro	G	-	-	-	-	-
HOD01213	npro	G	-	-	-	-	-
HOD01214	npro	G	-	-	-	-	-
HOD01215	npro	G	-	-	-	-	-

SAMPLE METHODS/TYPES

G = Gravel

L = Loam

R = Rock

P = Pit

BG = Bulk gravel

BL = Bulk loam

BT = Bulk trench

TR = Trench/costean

G = Loam on grid

L PF = Loam on photofeature

DS = Drill spoil

APPENDIX 2

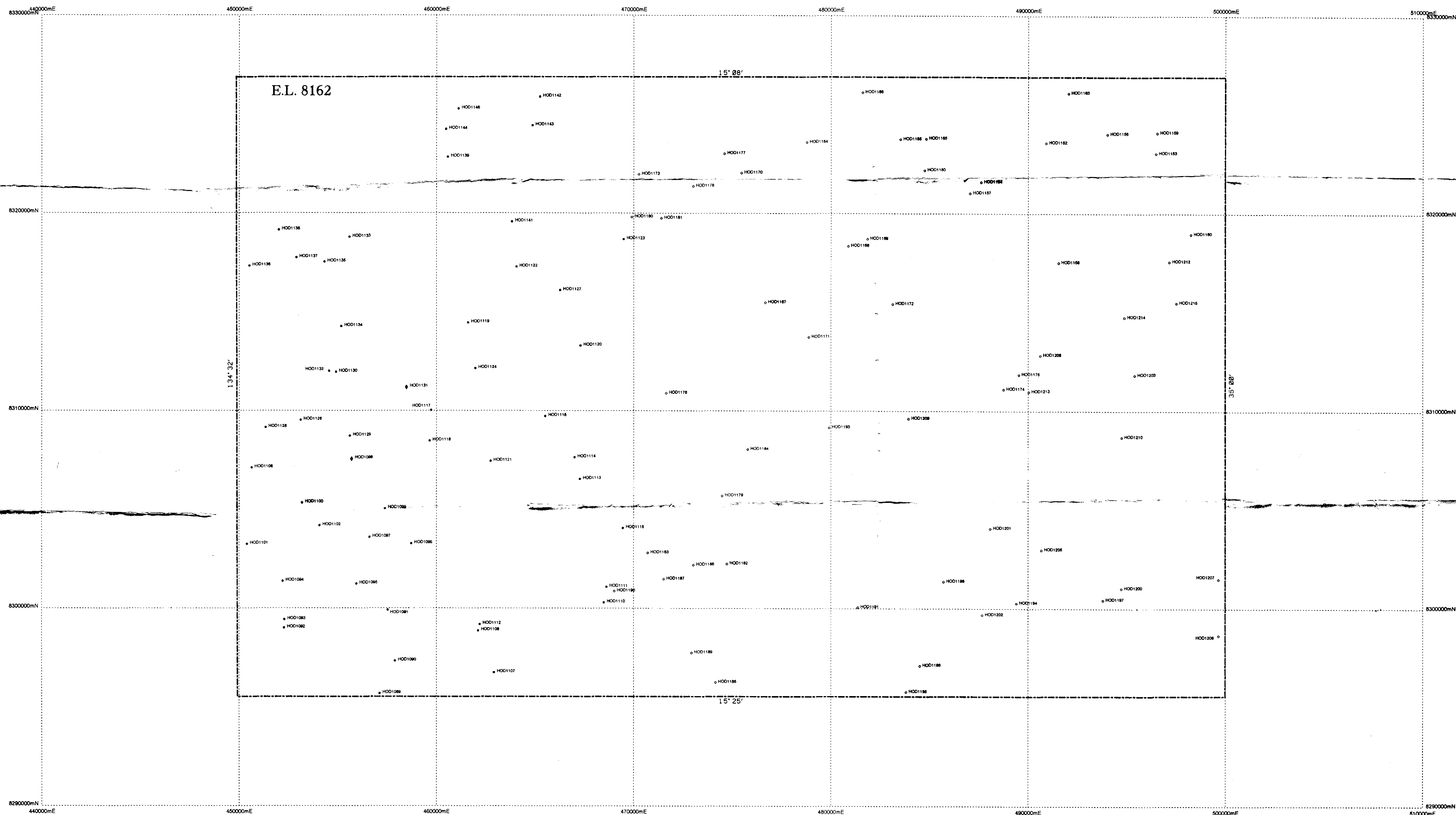
Statement of Expenditure

STATEMENT OF EXPENDITURE

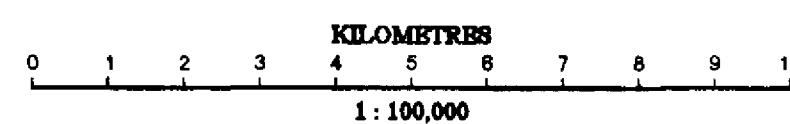
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For the period
12th October, 1993 to 11th October, 1994

Labour	13,750
Field Support	4,125
Motor Vehicles	2,750
Helicopter Charter/Fuel	13,080
Drafting	265
Laboratory	8,415
Sub-Total	42,385
10% Overheads	4,238
Total:	\$ 46,623



- Sample - not yet processed
- Sample - negative
- ◐ Sample - chromite positive
- ⊗ Sample - diamond positive
- Sample - other indicators



ASHTON MINING LIMITED		
A.D.E. JOINT VENTURE		
EXPLORATION LICENCE 8162		
SAMPLE LOCATIONS		
PLAN 1		
Geologist :	Date : NOVEMBER, 1994	Report No. :
Drafted : M.F. Ariotti	Revised :	Drawing No. :