NORTHERN TERRITORY EXPLORATION
LICENSE 1598 (ALLIA CREEK) ANNUAL
AND FINAL REPORT TO 8. VIII. 1979

CR.79/166

by

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OPEN FILE

Prepared for
Sutton Group of Companies,
114 Bourke Street,
EAST SYDNEY, N.S.W. 2011

November 1979
## CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. TITLE AND LOCATION</td>
<td>1</td>
</tr>
<tr>
<td>2. PREVIOUS EXPLORATION</td>
<td>1</td>
</tr>
<tr>
<td>3. EXPLORATION 1977-79</td>
<td>2</td>
</tr>
<tr>
<td>3.1 1977 - 1978</td>
<td>2</td>
</tr>
<tr>
<td>3.2 1978 - 1979</td>
<td>2</td>
</tr>
<tr>
<td>4. FUTURE EXPLORATION</td>
<td>2</td>
</tr>
<tr>
<td>REFERENCES</td>
<td>3</td>
</tr>
</tbody>
</table>

## FIGURE

<table>
<thead>
<tr>
<th>Figure</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Geographical Co-ordinates of EL 1598</td>
<td>1</td>
</tr>
</tbody>
</table>
1. TITLE AND LOCATION

The Deputy of the Administrator granted Exploration Licence No. 1598 to Autopool Pty. Ltd., one of the Sutton Group of Companies, on the 8th August 1977, for a period of twelve months. The Licence was subsequently renewed for a further twelve months by the Minister for Mines and Energy on the 8th August 1978.

Exploration Licence 1598 covers 132.6 square kilometres, and is located in the southwestern part of Tipperary Station in the headwaters of Muldiva Creek which is a major north flowing tributary of the Daly River. Figure 1 provides the geographic co-ordinates of the area.

![Area applied for renewal](image)

Figure 1: Geographical Co-ordinates of EL 1598

This area, on the south eastern margin of the Chilling Plateau, is currently inaccessible, with known tracks only extending to the old tin workings at Buldiva some ten kilometres to the northeast.

2. PREVIOUS EXPLORATION

No exploration is known of prior to the granting of the Exploration Licence to Autopool Pty. Ltd.
3. EXPLORATION 1977-79

3.1 1977 - 1978

The area was covered by an airborne spectrometer-magnetometer survey and a regional photointerpretation study based on the National Mapping RC9 photo series during this period.

Details of these surveys, including the detailed results, are contained in consultants' reports (Barrie, 1978; Dewar, 1978) which have previously been submitted to the Mines Branch.

3.2 1978 - 1979

No further systematic work has been carried out in this Licence area during the year ended 8th August 1979.

A geological re-assessment of the data was made for the purpose of a submission to the Department of Mines and Energy for retaining half the Exploration Licence area for a further year.

4. FUTURE EXPLORATION

The area proposed to be retained contains the north western corner of the Soldiers Creek Granite. Since this Granite hosts tin mineralisation to the northeast (Buldiva, Muldiva) and at Collia to the south, the main potential of the area must be in locating stanniferous lodes in the granite or marginal contact meta-morphosed Lower Proterozoic sediments.

An exploration programme for the area should include:

- geological mapping,

- geochemical sampling (including heavy minerals), and

- prospecting

in order to survey the area for its tin potential.
REFERENCES


The Secretary,  
Department of Mines and Energy,  
Mines Division,  
P.O. Box 2901,  
DARWIN N.T. 5794

Dear Sir,

Yearly Reports

Enclosed please find review of activities during the year ended 7th August 1979 for the following Exploration Licenses:-

<table>
<thead>
<tr>
<th>E. L. No.</th>
<th>Holder</th>
<th>Expenditure Undertaken</th>
<th>Actual Expenditure</th>
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<tbody>
<tr>
<td>1355</td>
<td>Suttons Motors (Darwin) Pty. Ltd.</td>
<td>20,000</td>
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<td>1356</td>
<td>Suttons Motors (Arncliffe) Pty. Ltd.</td>
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<td>1357</td>
<td>Sydney Motor Auctions Pty. Ltd.</td>
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<td>Autopool Pty. Ltd.</td>
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<td>1359</td>
<td>Gilbert &amp; Roach Pty. Ltd.</td>
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<td>1597</td>
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<td>1598</td>
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<td>12,000</td>
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</table>

$113,000 $238,000

Yours faithfully,
SUTTONS MOTORS MANAGEMENT

F. P. Coyne  
PROPERTY MANAGER