ANNUAL REPORT FOR EXPLORATION LICENCE
EL 2657
FOR THE YEAR ENDED 14 JUNE, 1982

BY

WESTERN MINING CORPORATION LIMITED
EXPLORATION DIVISION

OPEN FILE

KALGOORLIE
JULY 1982

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NORTHERN TERRITORY
GEOLOGICAL SURVEY
LIST OF CONTENTS

1. INTRODUCTION ........................................... 1
2. EXPLORATION PROGRAMME .................................. 1
3. EXPENDITURE ............................................. 1
4. PROPOSED PROGRAMME IN THE 1982-83 YEAR .............. 1

LIST OF PLANS

<table>
<thead>
<tr>
<th>Plan No.</th>
<th>Title</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>801-9</td>
<td>Location Plan</td>
<td>1:250,000</td>
</tr>
</tbody>
</table>
1. **INTRODUCTION**

A Joint Venture agreement between Western Mining Corporation Limited (WMC) and Park and Athanasiou was negotiated in September-October 1981, to provide for sampling of EL's 2656, 2657 and 2672 by WMC. In anticipation of the finalisation of this agreement, permission was granted to WMC in November 1981, to proceed with drainage sampling at that time.

The area covered by EL 2657 consists of high grade metamorphic rocks of the Precambrian Arunta Complex, intruded by slightly younger igneous rocks of the Huckitta and Inkamulla Granodiorites. These rocks result in a rough hilly terrain with relief to 300m. The dense dendritic drainage and sparse soil cover make the area ideally suited to drainage sampling.

Access by vehicle is difficult and all sampling was undertaken by helicopter.

2. **EXPLORATION PROGRAMME**

A total of 52 drainage samples, each weighing approximately 20kg, were collected from the area, and their locations are shown in Figure 1. These samples have been partially processed in preparation for the production of a heavy mineral concentrate suitable for examination for kimberlitic indicator minerals and an aliquot suitable for multi-element analysis. Processing was suspended pending finalisation of the Joint Venture agreement with Park and Athanasiou.

3. **EXPENDITURE**

<table>
<thead>
<tr>
<th>Type</th>
<th>Amount</th>
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<tr>
<td>Geological</td>
<td>$2,172</td>
</tr>
<tr>
<td>Geochemical</td>
<td>8,684</td>
</tr>
<tr>
<td>Drafting</td>
<td>189</td>
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<tr>
<td>Analytical</td>
<td>20,156</td>
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<td>Administration</td>
<td>981</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$32,182</strong></td>
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</table>

4. **PROPOSED PROGRAMME IN THE 1982-83 YEAR**

Once the agreement is finalised processing of the samples will be resumed. Anticipated expenditure will be at least $19,000.
DRAINAGE SAMPLE LOCATIONS

HARTS RANGE

EL 2657

(Sample No. prefixed by AA 755...

SCALE 1:250000

REF. ILLOGWA CREEK SF53-15