Harts Range Jinka/Mt Riddoch Regions
Surrender Report
For
EL30138
Being part of
GR-078/09
10th June, 2016

TARGET COMMODITY: GARNET
Map Sheet: Huckitta 1:250,000

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10th June, 2016
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EXECUTIVE SUMMARY/ABSTRACT

Australian Abrasive Minerals Pty Ltd proposes to relinquish part of EL30138 as shown in Figure 1. EL30138 being part of the Harts Range Spinifex Bore Garnet Project tenements. The remaining portion of the tenement is located along the valley of the Plenty River and cover 13 blocks.

![Figure 1 Location of EL30138 showing the area being surrendered (shaded brown)](image)

This report is the partial surrender report for EL30138. The area covered by the tenement has not been explored in a detailed manner in the past 2 years but the expectation is that no significant garnet deposit occurs on the ground.

Work Completed

Australian Abrasive Minerals has completed a study of the imagery available from the NTGS website and Google Earth.

Surrender Report EL30138
INTRODUCTION

The Harts Range Spinifex Bore Garnet Project consists of a group of four tenements that have previously been grouped as GR078-09 for the purposes of reporting. The project and tenements are located about 220km east of Alice Springs on the Plenty Highway (Figure 2). The tenements are within the Mt Riddoch Pastoral Leases. The tenements are listed in Table 1.

![Location of the Harts Range Spinifex Bore Project](image)

**Figure 2  Location of the Harts Range Spinifex Bore Project**

Table 1  Australian Abrasive Minerals Tenements, 2015

<table>
<thead>
<tr>
<th>Project</th>
<th>Prospects</th>
<th>Tenements</th>
<th>Rent 2015</th>
<th>Area (Blocks)</th>
<th>Area (km²)</th>
<th>Commitment</th>
<th>Anniversary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harts Range</td>
<td>EL30138*</td>
<td>$ 1,127</td>
<td>25</td>
<td>79</td>
<td>$ 16,750</td>
<td>14th May</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Spinifex Bore</td>
<td>EL24360</td>
<td>$ 12,548</td>
<td>61</td>
<td>190</td>
<td>$ 7,000</td>
<td>15th September</td>
</tr>
<tr>
<td></td>
<td>Irrerlirre</td>
<td>EL24378</td>
<td>$ 8,327</td>
<td>40</td>
<td>126</td>
<td>$ 6,000</td>
<td>15th September</td>
</tr>
<tr>
<td></td>
<td>Mt Riddoch</td>
<td>EL28696</td>
<td>$ 1,487</td>
<td>15</td>
<td>47</td>
<td>$ 10,000</td>
<td>12th October</td>
</tr>
</tbody>
</table>

All tenements are granted.

This report covers the partial surrender of EL30318 and Table 2 shows the holding after the reduction of EL30138.

Table 2  Australian Abrasive Minerals tenements after reduction of EL30138

<table>
<thead>
<tr>
<th>Project</th>
<th>Prospects</th>
<th>Tenements</th>
<th>Rent 2016</th>
<th>Area (Blocks)</th>
<th>Area (km²)</th>
<th>Commitment</th>
<th>Anniversary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harts Range</td>
<td>EL30138</td>
<td>$ 1,210</td>
<td>13</td>
<td>41</td>
<td>$ 21,275</td>
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<td>Spinifex Bore</td>
<td>EL24360</td>
<td>$ 12,548</td>
<td>61</td>
<td>190</td>
<td>$ 74,500</td>
<td>15th September</td>
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<tr>
<td></td>
<td>Irrerlirre</td>
<td>EL24378</td>
<td>$ 8,327</td>
<td>40</td>
<td>126</td>
<td>$ 24,700</td>
<td>15th September</td>
</tr>
<tr>
<td></td>
<td>Mt Riddoch</td>
<td>EL28696</td>
<td>$ 2,432</td>
<td>15</td>
<td>47</td>
<td>$ 36,000</td>
<td>12th October</td>
</tr>
</tbody>
</table>

Title History

The ground covered by EL30138 was granted to Australian Abrasive Minerals on the 14th May, 2014.

Targeted Commodities

The tenement was acquired to explore for almandine garnet. No other mineral was sought.
Exploration Rationale

Garnet bearing sands in paleochannels have been identified along the Plenty River valley at Aturga Creek, Spinifex Bore and Entire Creek. It was expected that some paleochannels would traverse EL30138 and that the tenement may be underlain by an aquifer.

In order to assess the potential for garnet in paleochannels and abandoned channels of the Plenty River and Entire Creeks AAM scoured available data using digital terrain models, Google Earth images and NTGS geophysics in an attempt to identify paleochannels that may contain garnet deposits or any other potential mineralisation.

Exploration Completed

No exploration was undertaken on the portion of the tenement being surrendered.

CONCLUSIONS/RECOMMENDATIONS

Conclusions

Exploration for garnet on EL30138 is unlikely to be successful.

Possible aquifers in the area being surrendered are likely to be very deep.

Recommendations

The northern portion of the tenement be surrendered

BIBLIOGRAPHY

There are no previous reports on work completed on EL 30138.