INTRODUCTION

Exploration Licence 5054 was granted to Peko-Wallsend Operations Ltd on 23 September 1986. It was surrendered in September 1987.

The EL, of 260 blocks, was centred about 137°30' and 23°7', on the Hay River 1:250,000 map sheet SF53-16. It overlapped the pastoral stations of Tobermory and Marqua, near the NT/Qld border, east of Alice Springs.

In 1985 the Bureau of Mineral Resources published Report 251 "Notes to Accompany the Hay River-Mt Whelan Special 1:250,000 Geological Sheets, Southern Georgina Basin", by J H Shergold. This report referred to evidence of hydrothermal alteration and elevated values of platinum group elements (PGE) from two BMR drill holes.

Geopako had conducted an airborne survey (magnetic and radiometric) of part of the region in 1978. Instrument malfunctions deferred final map production at the time.

In 1986, the knowledge of the BMR report and the availability of the airborne survey prompted the EL application.

SUMMARY

On visits to the BMR and discussions with Dr Shergold, it became possible to accept that the elevated PGE values reported by the BMR were analytically incorrect. There was discussion, but no documentation, about other explorers resampling the core and failing to reproduce the results.
Limited further processing was done of the Geopeko airborne survey data. The resulting maps are enclosed.

The EL was not visited. Hence this report contains no new geological maps.

In August 1987, Geopeko decided to surrender the licence on four grounds:

(a) questionable PGE analyses;

(b) lack of apparent anomalism in the airborne survey data;

(c) indications of complications arising from Aboriginal affairs, ie a claim by Aboriginal interests that a certain clan spoke for the area, while informal anthropological advice was to the contrary.

CONCLUSIONS

The EMR core remaining from the work of Report 251 has been extensively resampled by others and it is not practical to re assay it. Therefore, the possibility of elevated PGE analyses remains.

No comment is ventured in this Report concerning the mineral potential of the area.
Expenditure recorded against EL 5054 is made up as follows:

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<thead>
<tr>
<th>Description</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Freight</td>
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<tr>
<td>Geological Consultants &amp; Maps</td>
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<td>Geophysics – Airborne</td>
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Total: $8555.00

Signed on behalf of Geopeko

G H Sherrington
Manager, Special Projects