FINAL REPORT

AP3376 - WINDJAJONG BORE

(Expired 2.9.72)

by
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INTRODUCTION

The AP3376 was taken up to prospect for copper, lead, zinc, cobalt, nickel, gold, silver and tungsten.

During earlier prospecting carried out in 1952, the writer did find evidence of copper and gold in the area. The present work has indicated the geology is similar to the Osborne Range area and, therefore, could have economic possibilities.
The geology is, in the main, Archaean, with pockets of Lower Proterozoic. Intrusives are numerous and appear in known outcrops as quartz feldspar porphyry, dolerite and massive quartz.

Large tectonic fault zones show up as razor back ridges such as Windjajong Range, the highest feature in the surrounding environs.

Granite has been noted in small outcrops and not yet looked at in detail.

Some isolated pegmatites occur on the northern boundary within a massive calc-silicate sequence, which also has garnet, diopside, vesuvenite and sphenite inclusions within the calc-silicate rocks. Minor apatite is also visible.

One interesting feature is in one situation within the calc-silicates. On the northern boundary is situated a dyke-like formation carrying feldspathic cubes within a calc-silicate material which has obvious flow structure. This may be metamorphosed considerably by adjacent pegmatites. On the other hand, it could be connected with a possible carbonatite.

To date, only tungsten assays have been run on rock specimens which went 200 ppm and 520 ppm of tungsten.

A dozer track goes through this area.

Further to the south are outcrops as yet not prospected. During April, May and June of the season, several field trips were carried out by 4 x 4 Nissen Patrol. The area 5 miles south of Windjajong Range was carrying heavy mulga and exploration at this time was confined to areas into which access is possible.
FUTURE WORK PROGRAM

During the next field season, we will make a road from our Westlander 11 on Lander EL south to Windjajong Bore, and one access road east-west through the middle of the EL area.

Airtrac drilling will also be carried out.

The tungsten mineralization will also be investigated in the calc-silicate rocks.
SUMMARY

Due to isolation and difficult access, the area will take considerable time to investigate. Furthermore, water is a problem, unless we can obtain permission to use Windjajong Bore which is only used by the station in dry times.

The heavy mulga belts common in this area are a real problem. The bulldozer has to be used in this situation to gain access.
EXPENDITURE

Expenditure to date is as follows:

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<th>Description</th>
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<td>Office Overheads</td>
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