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ANNUAL REPORT 1982

EVA VALLEY AREA - EL's 2930 AND 2931

BY:

ZAPOPAN CONSOLIDATED PTY. LTD.
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1. INTRODUCTION

EL's 2930 and 2931 were granted to M. Sakurai on 8th March 1982. The title was transferred to Zapopan Consolidated Pty. Ltd., which was approved on 27th May 1982.

This report is the annual report on exploration work carried out by the company during the 1982 field season.

M. Sakurai, DIRECTOR
ZAPOPAN CONSOLIDATED PTY. LTD.
2. **RECOMMENDATION**

**EL 2930**

The area surrounds the Yeulalba King tin mine. Geochemical soil sampling programme should be carried out during the ensuing year.

**EL 2931**

Most of this EL is covered by the Edith river Volcanics (The Hindrance Creek Member) and the Mullaman Beds. The area should be relinquished in whole.

3. **LOCATION AND ACCESS**

The area is situated approximately 70 km northeast of Katherine or 98 km along the existing road from Katherine (Fig. 1). The access route and distance from Darwin to the area are as follows:

- Darwin to Katherine - Stuart Highway: 315 km
- Katherine to Mapamboy turn off - Stuart Highway: 48 km
- Mapamboy turn off to Eva Valley turn off - Maioru Road: 16 km
- Eva Valley turn off to Eva Valley - Eva Valley Road: 34 km

**TOTAL**: 413 km

4. **WATER SUPPLY**

The EL areas are situated at the headwaters of Hindname and Emu Creeks. Both are tributaries of the Katherine River and fed by a number of springs, permanent running water is available along the course of Emu Creek.
5. **TOPOGRAPHY**

Topographic base maps 1:20,000 scale were prepared by enlarging the published 1:100,000 scale topographic map.

Fig 2 .......................... The area EL 2930

Fig 3 .......................... The area EL 2931

The field is on the northern fringe of a tableland capped with Lower Cretaceous sediments. The tableland terminates abruptly forming an escarpment. The topographic feature of EL 2930 is low ridges and valleys, and EL 2931 tableland and broad valleys.

6. **GEOLOGY**

The oldest formation in the area is the Lower Proterozoic Burrell Creek Formation. The unit consists of siltstone, greywacke and conglomerate.

The Burrell Creek Formation is intruded by the Yeuralba Granite, leucocratic porphyritic adammellite. Tia mineralization is known to occur in the Yeuralba Granite in association with quartz-toumalin veins and tungsten mineralization in the form of quartz-wolframite veins.

The Upper Proterozoic Edith River volcanics crop out in EL 2931. Generally, the Edith River Volcanics are an assemblage of lavas, pyroclastic rocks, sediments and tuffaceous sediments. The rock seen at Hindreance Creek in the area is purple tuffaceous sandstone called the Hindreance Creek Member.

The Lower Cretaceous Mullaman Beds overlie the older rocks and form a flat elevated tableland. The unit consists of siltstone, sandstone conglomerate and porcellanite.
Geological Maps 1:20,000 Scale

Fig 4 .................. The area EL 2930

Fig 5 .................. The area EL 2931

7. **THE YEURALBA KING TIN MINE**

The Yeuralba King Tin mine is situated within the confines of EL 2930. The mineralization is Maramboy type but there is no evidence of any enrichments due to cross fractures.

The tin occurs in a silicified replacement breccia in tourmaline-rich rock. The lode is 0.6 to 1.4 metres wide and 1.35 metres long.