

1. INTRODUCTION

The Ring River Area covers a rectangular block of ground within E.L. 1/62 (figure 1). The author was contracted by Electrolytic Zinc Company of Australasia (E.Z.) to carry out a detailed mapping program from April, 26th to June 30th, 1982. Approximately 40 line kilometres of grid and 7 kilometres of road were mapped. The purpose of this mapping and this report was to resolve the geology of the area and help evaluate the areas of potential for the occurrence of a Renison Bell-Cleveland type orebody. Mapping in the area from October, 1979 to March, 1982 on 1,000 metre spaced grid lines, bulldozed tracks, and the Ring River by E.Z. geologists was carried out prior to this program, however their data was made available and is included on maps within this report. Figure 1 is a summary of the areas mapped and personnel involved. This report is a summary of the geology as interpreted from the mapping illustrated in figure 1.

The reader is referred to E.Z. Report "Review of Exploration in the Natone Area, Mt. Black E.L. 1/62" by G. Drake (1979) for mining history, exploration mapping and government mapping carried out prior to October, 1979.

2. GENERAL GEOLOGY

The geology of the Ring River Grid is shown on figure 2 - accompanying this report. The legend details features of stratigraphic sedimentary units and sub units, intrusive bodies, and deformational events.

The Ring River Grid area is underlain by a thick sequence of Cambrian unfossiliferous sediments and minor intercalated volcanic flows and tuffs. Two sedimentary sequences are recognised. The first, hereafter referred to as the Rosebery Group, correlates with the Success Creek Group of the Zeehan Sheet (Blisset, 1962) and the Rosebery Group (Compana and King, 1963; Loftus Hills <sup>1966</sup>) exposed along the Murchison Highway, Williamsford Road and Pieman River. The second unit correlates with the Crimson Creek Formation of the Zeehan Sheet (Blisset, 1962). The contact between the two groups was not observed however Elliston (1954), Blisset (1962) and Loftus Hills (1964) reported the Rosebery Group to be older and conformably overlain by the

No Success  
Ch. 2  
was  
recognised  
by Blisset