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## 1.0 INTRODUCTION.

Exploration Licence 12/72 of 94 square kms was aquired by E.Z. Co. in 1972, when Comstaff Pty. Ltd. relinquished selected areas from their E.L. 5/63. Subsequently E.L. 12/72 was joint ventured with Getty Oil Development (Aust.) Pty. Ltd. with E.Z. continuing as operators.

The initial exploration phase was concentrated on the massive lavas and pyroclastics of the Boco area which are similar to the host rocks of the Que River Pb/Zn/Cu deposit, 8km to the north. These form part of the Mt. Read Volcanics which can be traced south to the Mt. Black-Rosebery area and as such represent the most attractive host rocks for Pb/Zn/Cu deposits of the Rosebery-Que River type (E.Z. Report 128).

A small exploration programme was then carried out to determine the source of two input E.M. anomalies in the northern part of E.L. 12/72. The Boco Grid was also extended to the west (E.Z. Report 129).

This report covers work at Bulgobac carried out between October, 1979 and June 30th, 1980, and is concerned with the follow-up exploration in the period October, 1978 to October 1979 (E.Z. Report 130).

## 2.0 OBJECTIVES

The main targets for exploration on E.L. 12/72 are:

1. Massive volcanogenic Pb/Zn/Cu deposits of the Rosebery-Que River type associated with thin sedimentary lenses within Cambrian Volcanics.
2. More distal Pb/Zn/Cu deposits associated with sediments of the Dundas Trough.