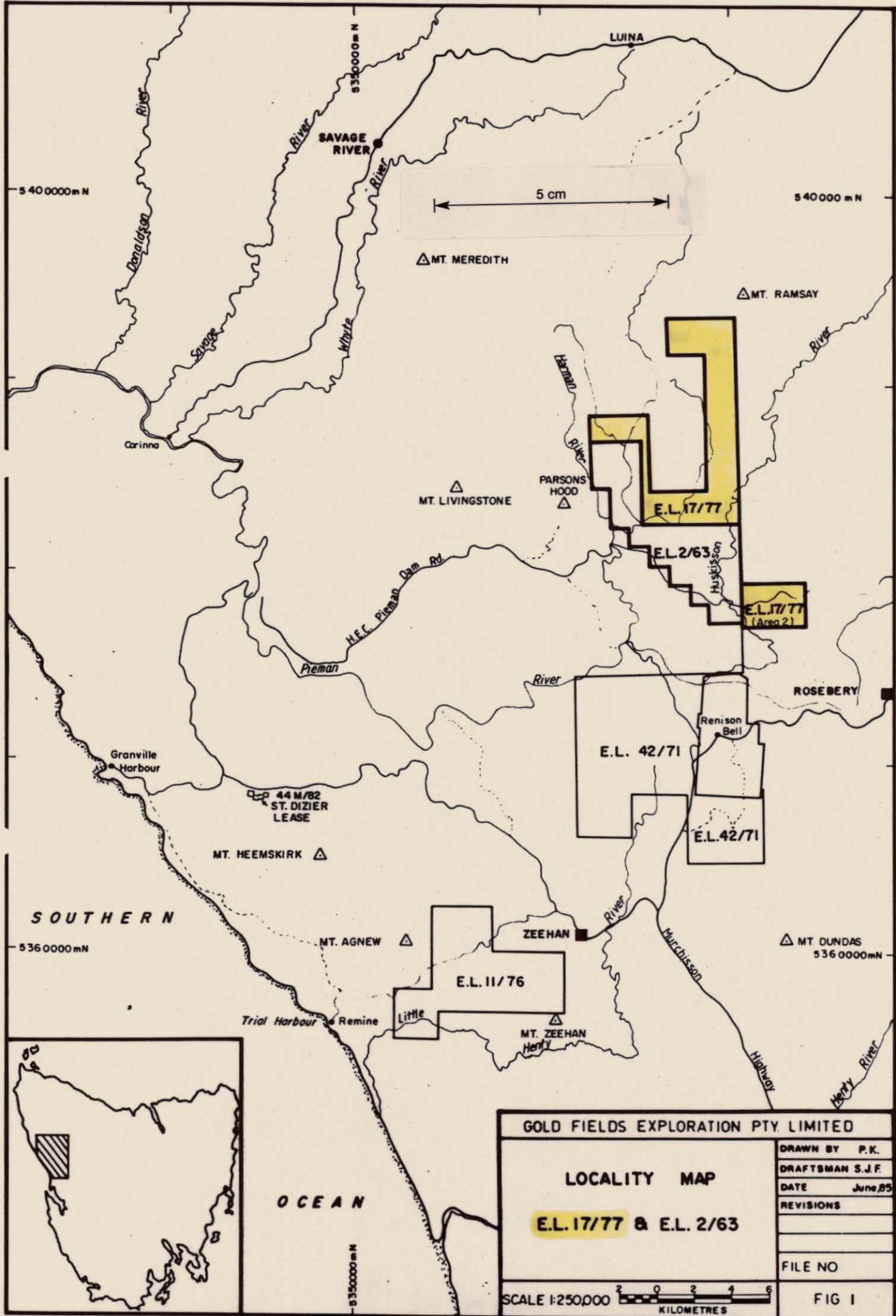


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GOLD FIELDS EXPLORATION PTY. LIMITED	
LOCALITY MAP	
E.L. 17/77 & E.L. 2/63	
DRAWN BY	P.K.
DRAFTSMAN	S.J.F.
DATE	June 85
REVISIONS	
FILE NO	
SCALE 1:250,000	FIG 1

1. INTRODUCTION

E.L. 17/77 is located north of Renison Bell, West Tasmania, and occupies an area of 40 sq. km. in two blocks (Figure 1). The northern block covers 33 sq. km. and is completely inaccessible to vehicles; work in the area has therefore been completely dependant on the use of helicopters. The southern block of 7 sq. km. is accessible via the H.E.C.'s Pieman Dam road.

Geologically the area comprises folded and faulted Cambrian to Lower Devonian sedimentary rocks of the Huskisson Syncline intruded by a remobilized ultramafic complex along the Cambro-Ordovician boundary and the Devonian Meredith Granite.

The main exploration targets during the E.L.'s tenure have been stanniferous skarns and Renison-style carbonate-replacement tin deposits.

The licence area was reduced from 114 to 40 sq. km. in 1984. This report describes the work completed since the licence was granted in 1978 on the reduced area.

2. EXPLORATION HISTORY

The exploration history of the Wilson River area is summarized below. Reference is made to the reports which fully describe the work completed.

- (1) Regional Studies 1978-79. Airborne INPUT EM/magnetics survey (Butt, 1978). Photogeological survey (Hunting Geology and Geophysics, 1979).
- (2) Harman River Grid 1980-82. Only a small portion of that grid is present on the current E.L. Helicopter-supported gridding, geological mapping, soil geochemistry, I.P. and magnetics (Ross, 1980; Roberts and Martin, 1982).
- (3) Huskisson Syncline Reconnaissance 1981-82. Reconnaissance, helicopter-supported geological mapping and stream sediment sampling in the Huskisson Syncline area (Martin, 1981; Roberts and Martin, 1982).
- (4) Laurel Creek 1982-84. Gridding, geological mapping, soil geochemistry, I.P. and magnetics, followed by completion of five diamond drill holes. These holes showed that there are several significant magnetite skarns present in the area; although some tin and tungsten values were obtained in the skarns, the mineralization is too low grade and metallurgically difficult to be economically attractive (Roberts and Martin, 1982; Cartwright, 1983; Cartwright et al., 1984).
- (5) Alfred River 1984-85. The helicopter-supported regional stream sediment survey in the Huskisson Syncline was completed in 1984 and revealed a major tin anomaly straddling the southern boundary of the northern E.L. block (Cartwright et al., 1984). Follow-up gridding and geochemistry in 1985 revealed a small deposit of low grade stanniferous alluvials (Komyshan, 1985).

3.

3. ACCESS

As essentially all of the work completed on the E.L. was completed with helicopter support, R.G.C.'s exploration efforts since 1978 have caused virtually no environmental impact.

Five drill sites were cleared on the Laurel Creek Grids. At each site, a platform to sit the drill rig on was constructed out of cut logs and covered with a layer of earth. Nearby a helipad deck was built to land the helicopter on. Revegetation by rain forest will result in rapid revegetation of these drill sites.

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