

GOLD FIELDS EXPLORATION PTY. LIMITED

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DEPT. OF MINES			
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E.L. 2/63

MERTON HILL - ALFRED RIVER

FINAL REPORT

OPEN FILE

Prepared By: P.A. Roberts
Senior Regional Geologist

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L.A. Newnham
Exploration Manager

of Gold Fields Exploration Pty. Limited
for Aberfoyle Exploration Pty. Limited

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1.

1. INTRODUCTION

E.L. 2/63 is located north of Renison Bell, Western Tasmania, and occupies an area of 30 sq. km. (Figure 1).

Access into the area is possible via the H.E.C.'s Pieman Dam Road which traverses the southern part of the licence. Despite this, the northern and eastern parts of the E.L. are inaccessible to vehicles and work in these areas has relied on the use of helicopters.

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

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

The licence area has been progressively reduced during its twenty-year life, and this report pertains to the latest and final reduction.

2. EXPLORATION HISTORY

The exploration history of the Merton Hill - Alfred 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; Martin, 1982).
- (3) Huskisson Syncline Reconnaissance 1981-82. Reconnaissance, helicopter-supported geological mapping and stream sediment sampling in the Huskisson Syncline area (Martin, 1981; Martin, 1982).
- (4) Merton Hill 1980-82. Gridding, geological mapping, soil geochemistry, I.P. and magnetics, followed by completion of seven diamond drill holes with discouraging results (Ross, 1980; Martin, 1981; Martin and Roberts, 1982).
- (5) Alfred River 1984-85. The helicopter-supported regional stream sediment survey in the Huskisson Syncline was completed on E.L. 17/77 just north of the E.L. boundary in 1984 and revealed a small deposit of low grade stanniferous alluvials (Komysan, 1985).

3. ACCESS

Ground access development relating to exploration activities on the recently relinquished E.L. 2/63 were confined to the Merton Hill area, where several short drill access roads were established in 1980-82.

Since the completion of that drill program, the Merton Hill area has been extensively logged, and is currently criss-crossed with a network of major logging haul roads, which have all but obliterated the crude 4-wheel drive drill access tracks.

Access into the northern section of the Licence area has been by helicopter only.

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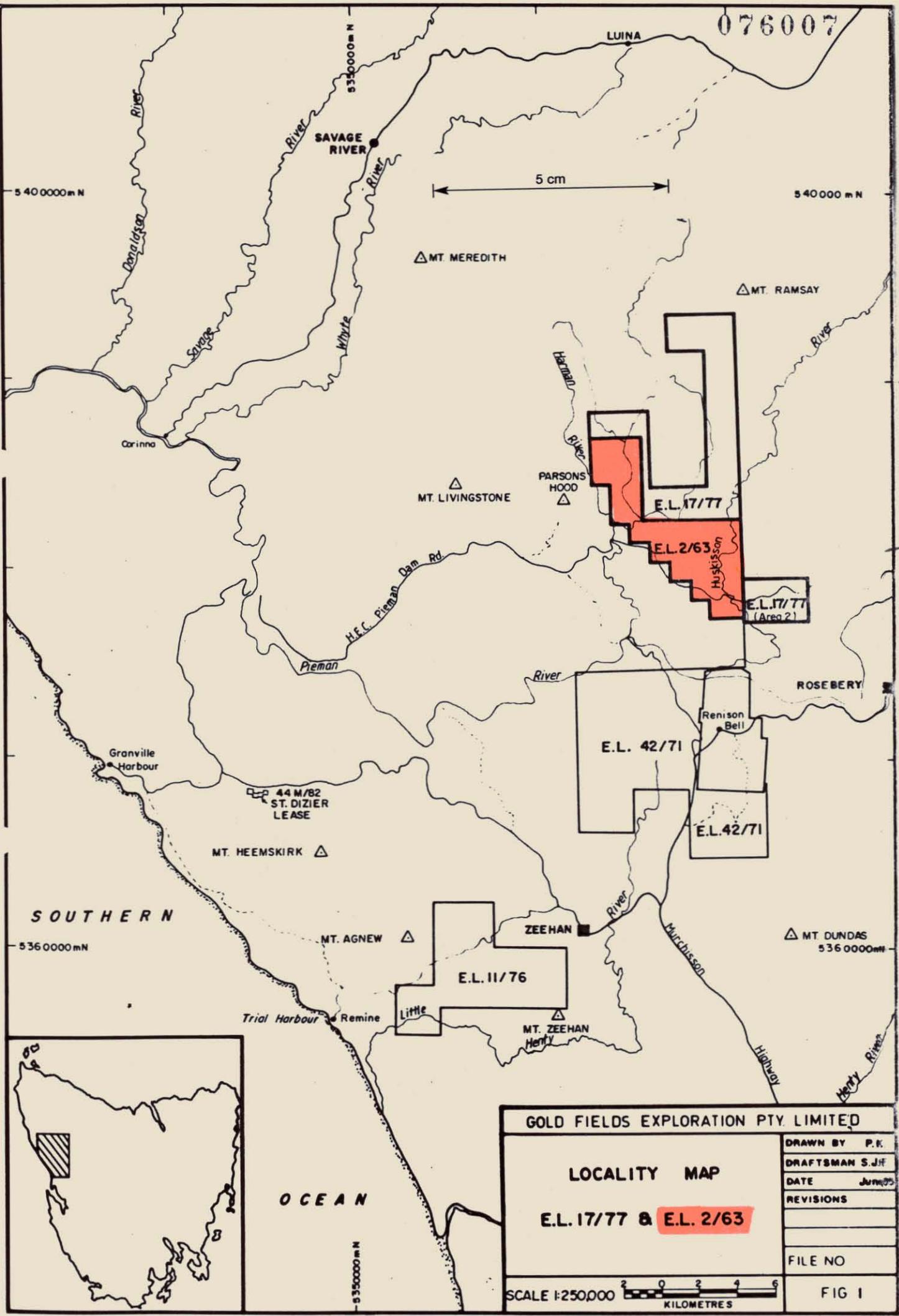
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GOLD FIELDS EXPLORATION PTY. LIMITED	
LOCALITY MAP	
E.L. 17/77 & E.L. 2/63	
DRAWN BY	P.K.
DRAFTSMAN	S.J.F.
DATE	June 75
REVISIONS	
FILE NO	
SCALE 1:250,000	0 2 4 6 KILOMETRES
FIG 1	