

000

640001

ANNUAL REPORT  
 EXPLORATION LICENCE 95/87 ,  
 ZEEHAN, TASMANIA

For the Period  
 12 June 1989 to 30 April 1989

BY

C. H. C. SHANNON

18.04.88

89-2957  
 COPY 1

<b>MINES</b>	
File Ref.	
12 MAY 1989	
Doc. Ref.	
Action Officer	Initials
Refer to	
11.5.89	
Resubmit to	Date

**MICROFILMED**

SAVAGE RESOURCES LIMITED  
 Incorporated in Tasmania

OPEN FILE

## INTRODUCTION

Principal activity during the year has been directed at literature research, development of exploration concepts and the commissioning of a geochemical sampling programme which will commence with initial line cutting in May.

During the year the Tenth Legion Mining Leases which cover already outlined tin and magnetite mineralisation were sold to Denehurst Limited. Denehurst is a "metallurgically driven" organisation with skills that would assist the metallurgically difficult Tenth Legion deposits.

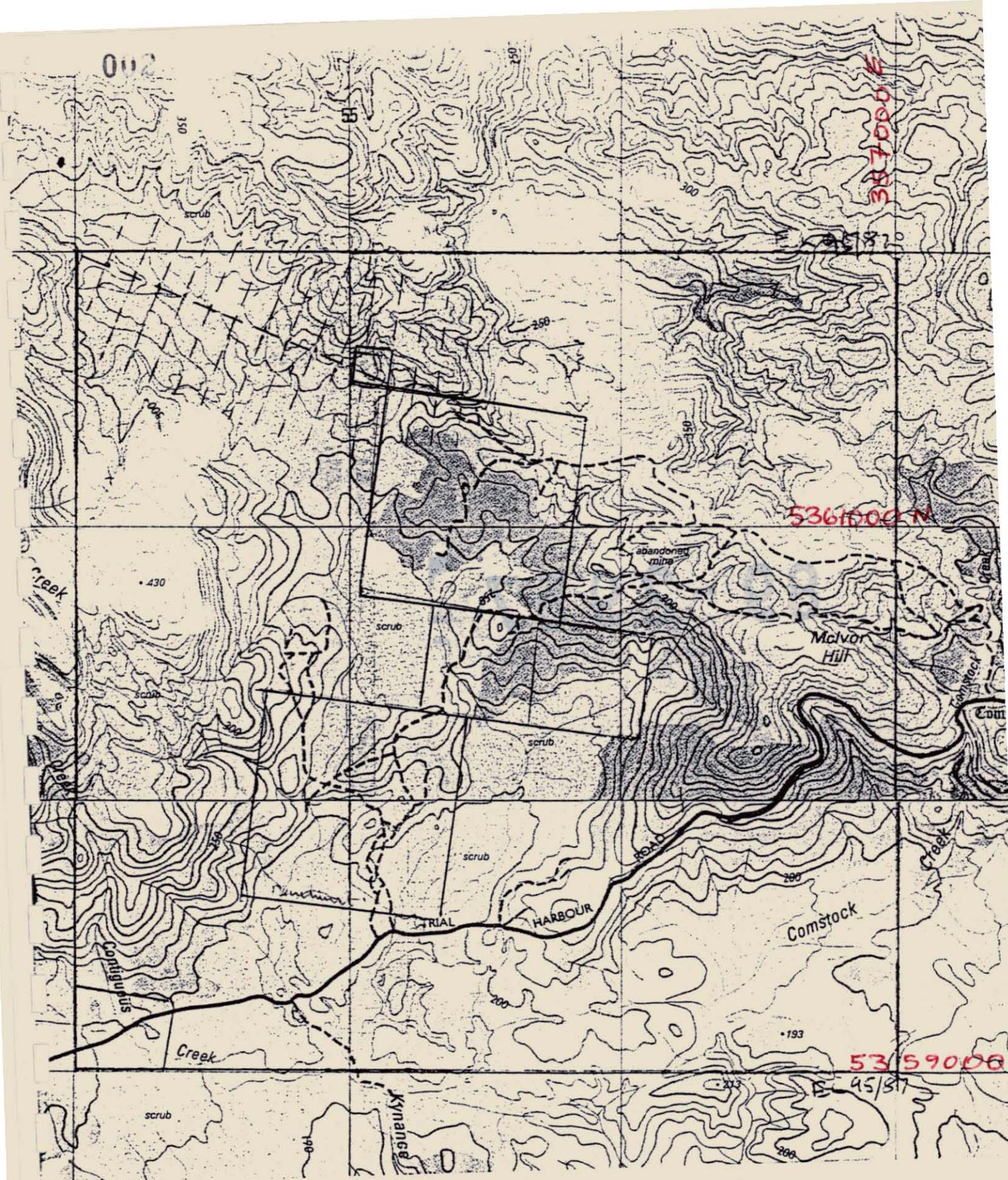
## PROGRAM PROPOSAL

Arrangements have been made to put in a 100m grid (see attached map) along the Tenth Legion Fault in the north west corner of the licence area. This grid will be finished and sampling will have commenced before the renewal date. It is proposed to do soil sampling, magnetics and IP with the object of finding moderately magnetic but conductive and chargeable targets, ideally with cassiterite tin anomaly.

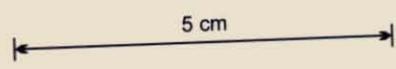
## EXPLORATION PHILOSOPHY

The north west corner of the area contains a segment of the Tenth Legion Fault which has not been examined in modern times and which runs through a lowland suggestive of carbonate lithology. In common with the rest of the area it is a risk of being too close to the granite to contain the metallurgically treatable forms of tin mineralisation but it appears that fault related tin ore can occur relatively close to the granite as for example at Renison Bell in the Federal-Bassett structure. The northern most line of Renison's East Heemskerk grid also contains an anomaly with the characteristics now wanted and which is open to the North. It is supported by a (soluble) tin anomaly. Along strike there is also the non-treatable tin resource inside the Tenth Legion leased area, now Denehurst's which is considered to relate to the fault as a channelway but which may also be affected by a high spot in the underlying granite. Although this hypothesis implies that the target area is "off the cupola" it is more likely to be the "right distance from the granite" with a chance for cassiterite mineralisation.

C. H. C. SHANNON



EL 95/87 WITH LEASES FORMERLY SAVAGE RESOURCES,  
 NOW DENEHURST, AND PROPOSED GRID TO COVER TENTH  
 LEGION FAULT TARGET.



640003