

# OPEN FILE

ANNUAL REPORT

EL 6777

MT HARRIS AREA



5 April 1990 to 6 April 1991

by

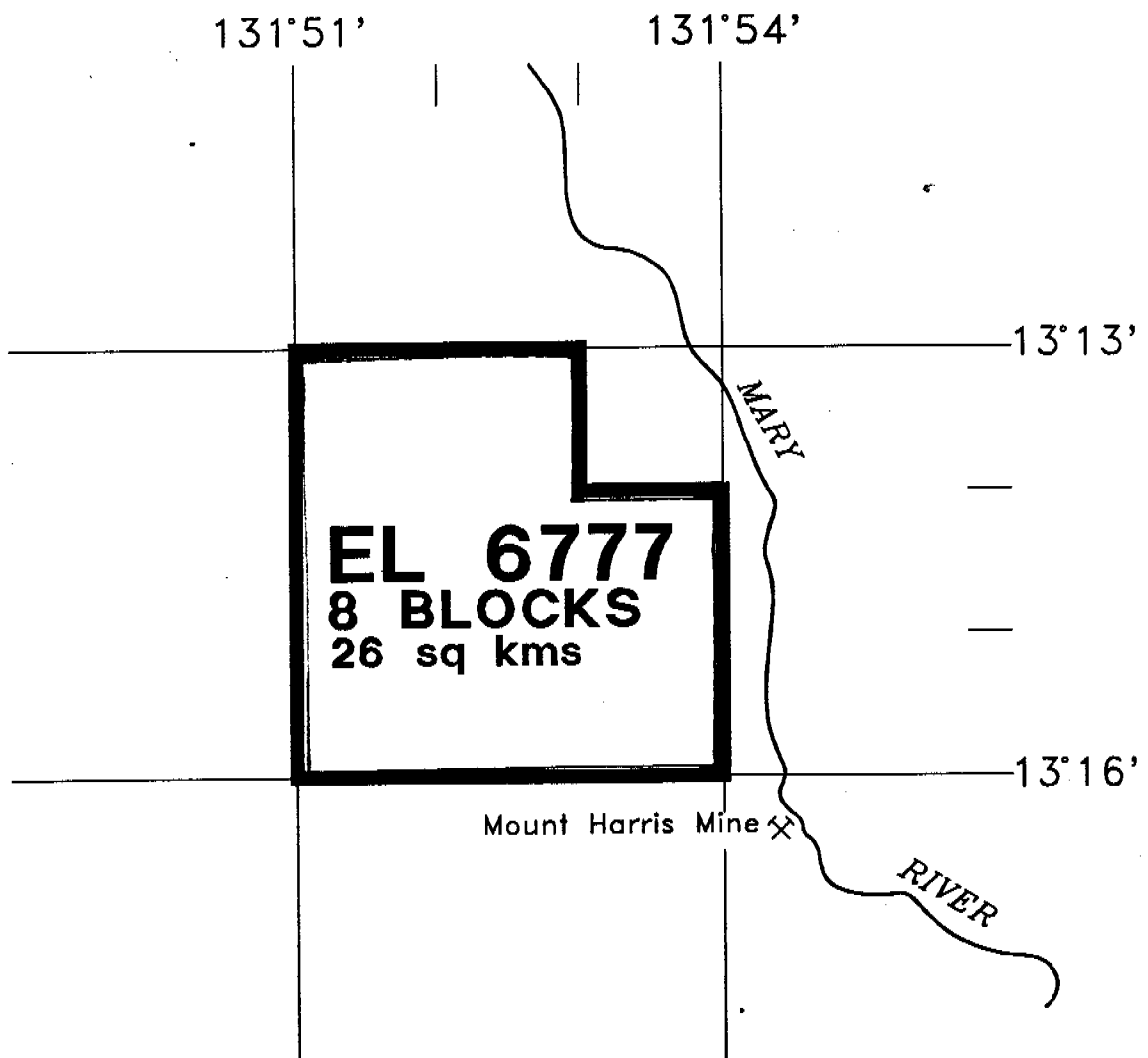
J. M. SIME

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SECOND SCHEDULE  
(Plan of Area)



## REGIONAL GEOLOGY

The tenements are situated within the Pine Creek Geosyncline, a tightly to isoclinally folded sequence of mainly pelitic and psammatic (continental to shallow water) Lower Proterozoic sediments with interlayered tuff units. All the lithologies in the area have been metamorphosed mostly to low and in places medium grade metamorphic assemblages. The sequence has been intruded by pre-orogenic dolerite sills and a number of late synorogenic to post-orogenic Proterozoic granitoids. Largely undeformed Middle and Late Proterozoic, Palaeozoic and Mesozoic strata, as well as Cainozoic sediments and laterite overlie the Pine Creek Geosyncline lithologies.

A more complete presentation of the regional geology and Mineralization is given in <sup>1</sup>Nicholson and Eupene (1984).

1. Nicholson, P.M. and Eupene G.S. 1984. Controls on gold Mineralization is the Pine Creek Geosyncline. Aus I.M.M. Conference Darwin NT August 1984.

## INTRODUCTION

EL 6777 is a most interesting area north of Mt Harris with potential for both gold and base metal ore bodies.

Work has been completed by previous holders on an anomalous zone showing values of Au, Zn, Cu, Pb. Costeaning has been undertaken on this area but results were not good.

#### WORK CARRIED OUT

Reconnaissance work was fairly general in nature and included panning of stream samples and dollied rock chip samples. Samples were found to contain gold and tin in places.

Unfortunately as stated in the accompanying letter an early start to the wet prevented the follow-up program and access was impossible due to the McKinlay River crossing being out from November 1990 to May 1991.

## DISCUSSION OF RESULT

Result were sufficiently encouraging even taking into account the restricted amount of work performed.

Previous explorers have probably not overlooked a large deposit but my methods over the years have been aimed at fairly small rich leaders. To date in the Spring Hill area I have located several missed by prospectors last century.

The fact that gold and tin is present within the EL encourage me to believe that the above may also occur here.

### **RECOMMENDATION**

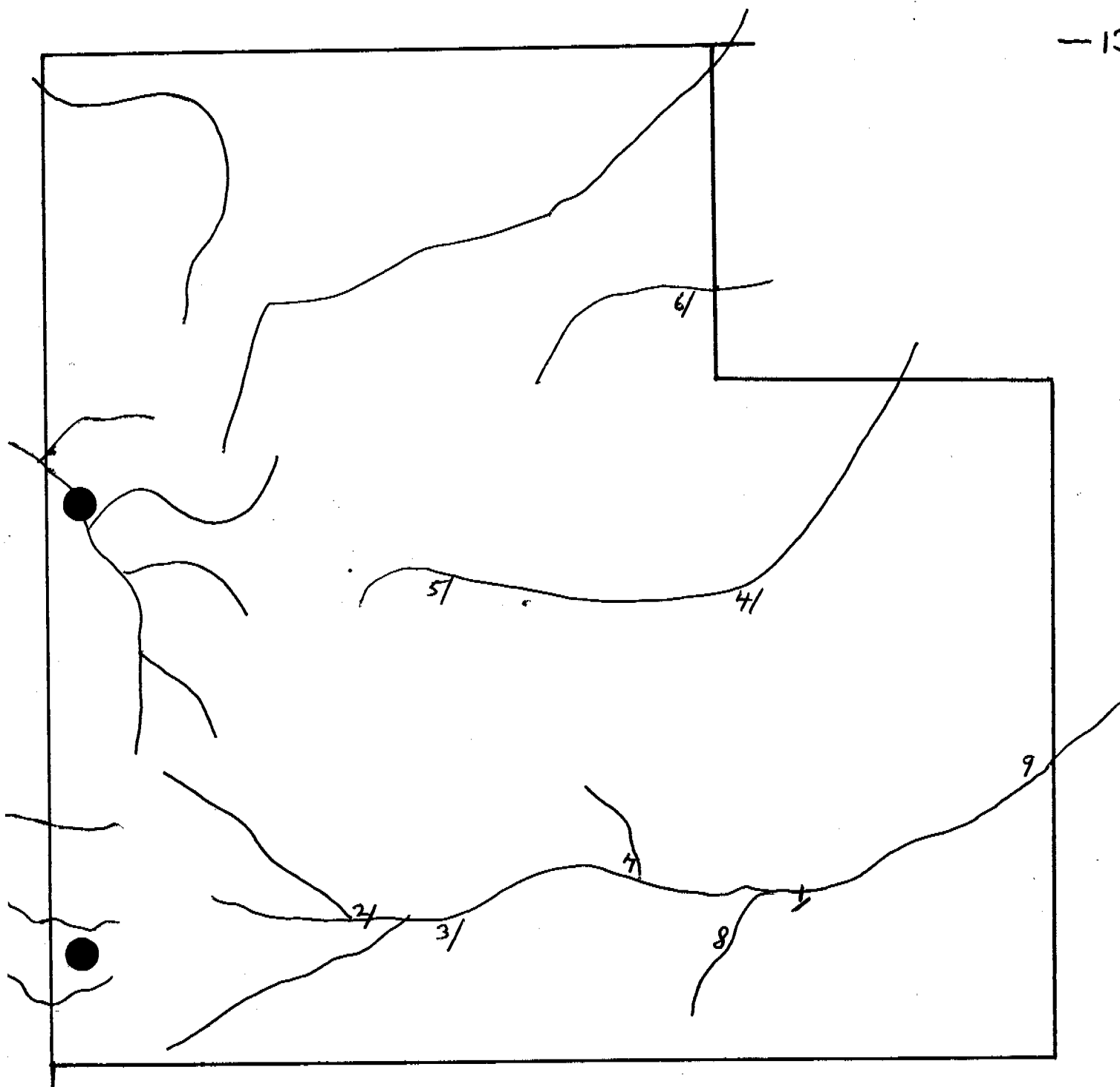
To follow up and define areas that are showing fine gold and to dolly rock chip samples from these areas. On completion of this program should results warrant, I will bulk sample one ton samples from reefs found to contain gold through Mr K Innes small plant located at Spring Hill.



**EXPENDITURE**

Expenditure incurred on EL 6422 during Year One includes:

Geological consultants	\$450.00
Literature Research	\$250.00
Air Photos	\$160.00
Vehicle	\$1230.00
Samples/Assays	\$350.00
Camping Costs	\$320.00
Labour	\$1600.00
Drafting	-
Overhead @ 15%	\$657.00
	<hr/>
	\$5037.00
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131°51'

Sample locations 2/.

stream samples did contain a few fine specks of gold and Tin  
other leached samples from outcrop material (not numbered.)  
were barren.