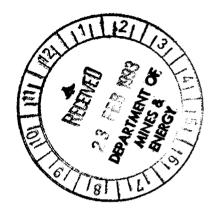
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FINAL REPORT



EL 7340

MT BONNIE AREA

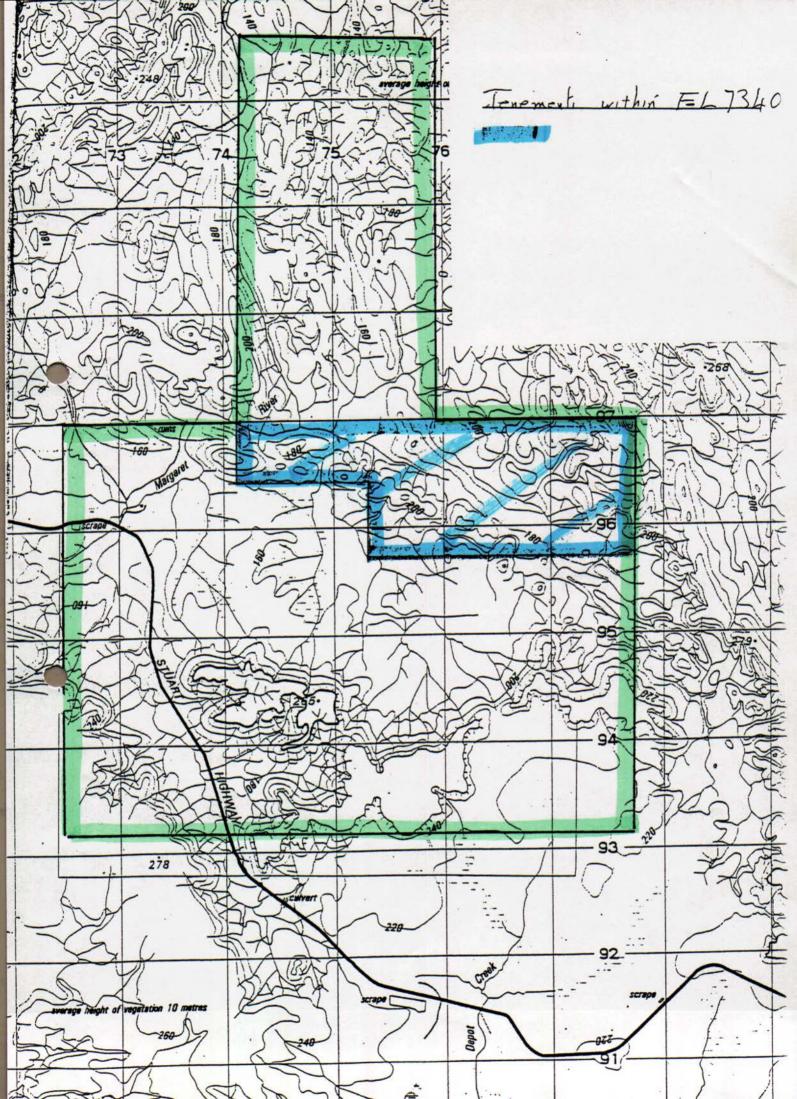
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INTRODUCTION

EL 7340 is situated approximately 120 miles from Darwin and is easily accessable from the Stuart Highway and Stuart Highway/Grove Hill Road. The area covers the eastern rim olf the Golden Dyke Dome and adjacent granite to the south. The easatern saide encompasses part of the Margaret Syncline.

The rim of the domal area is prospective for gold and base metals and little work has been done on it in recent times.

The Margaret Syncline would appear a possible host for base metal occurances. To the south the granite has numerous dykes present and previous work has indicated some gold values in these. It seems that the area can be treated with three different targets in mind.

An area of leases held by another company does disect the area but are not anticipated to be a problem.

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 preorogenic 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 1 Nicholson and Eupene (1984).

 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.

WORK CARRIED OUT

Numerous samples were taken from the previously located anomalous areas and using a dolly mill crushed and sampled for gold. The object of this was to attempt to locate a mineable small lode capable of being mined and transported to the Cosmo Howley Mine.

During the year the area was included in SEL 7895 as part of a rationalised program for the Yam Creek tenement.

DISCUSSION OF RESULT

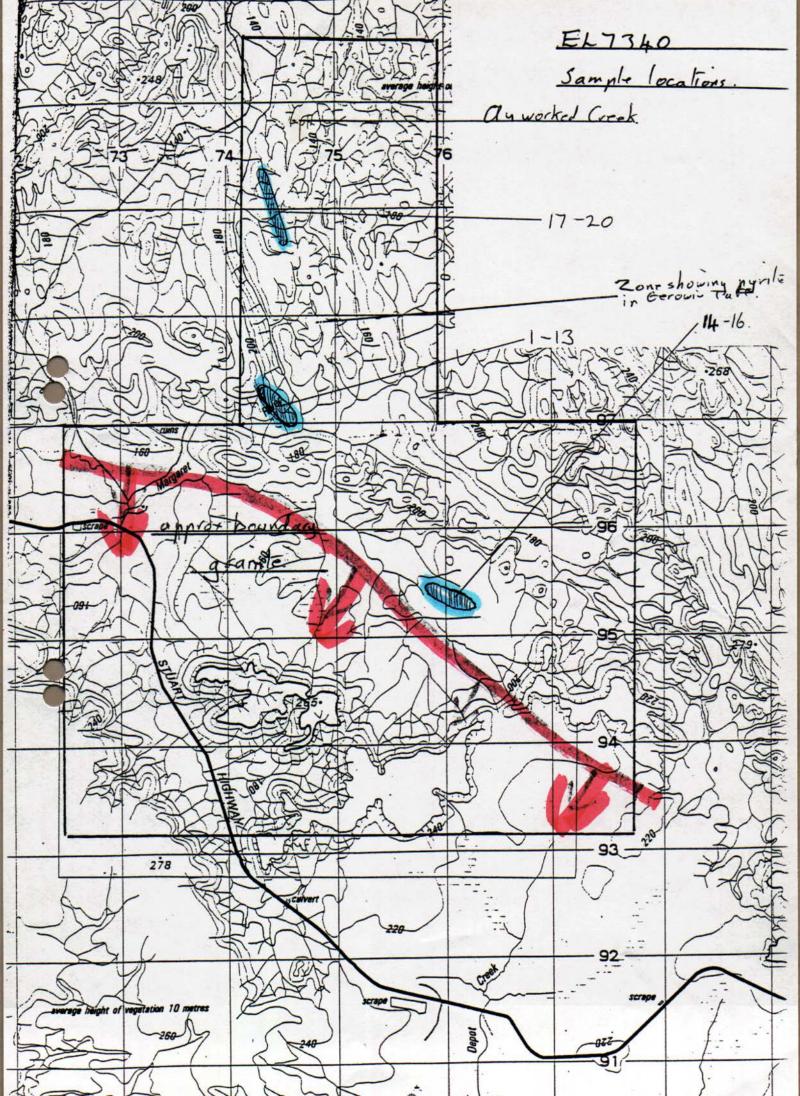
Whilst no economic samples were discovered from the samples it is still possible that gold mineralisation exists in economic values in softer, non outcropping formation in the area.

EXPENDITURE FINAL YEAR

Geological Consultants	\$200.00
Literature Search	105.00
Aerial Photos	
Vehicles	475.00
Samples - Dolly Mill	500.00
Camping Costs	370.00
Labour	960.00
Overheads 15%	391.00
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Numerous dishes have been taken and indicate better assay should be Found.



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