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WOLSTON DEVELOPMENTS PTY LTD

EXPLORATION LICENCE 34/85 - MT. BOLTON

ANNUAL REPORT

90-3114

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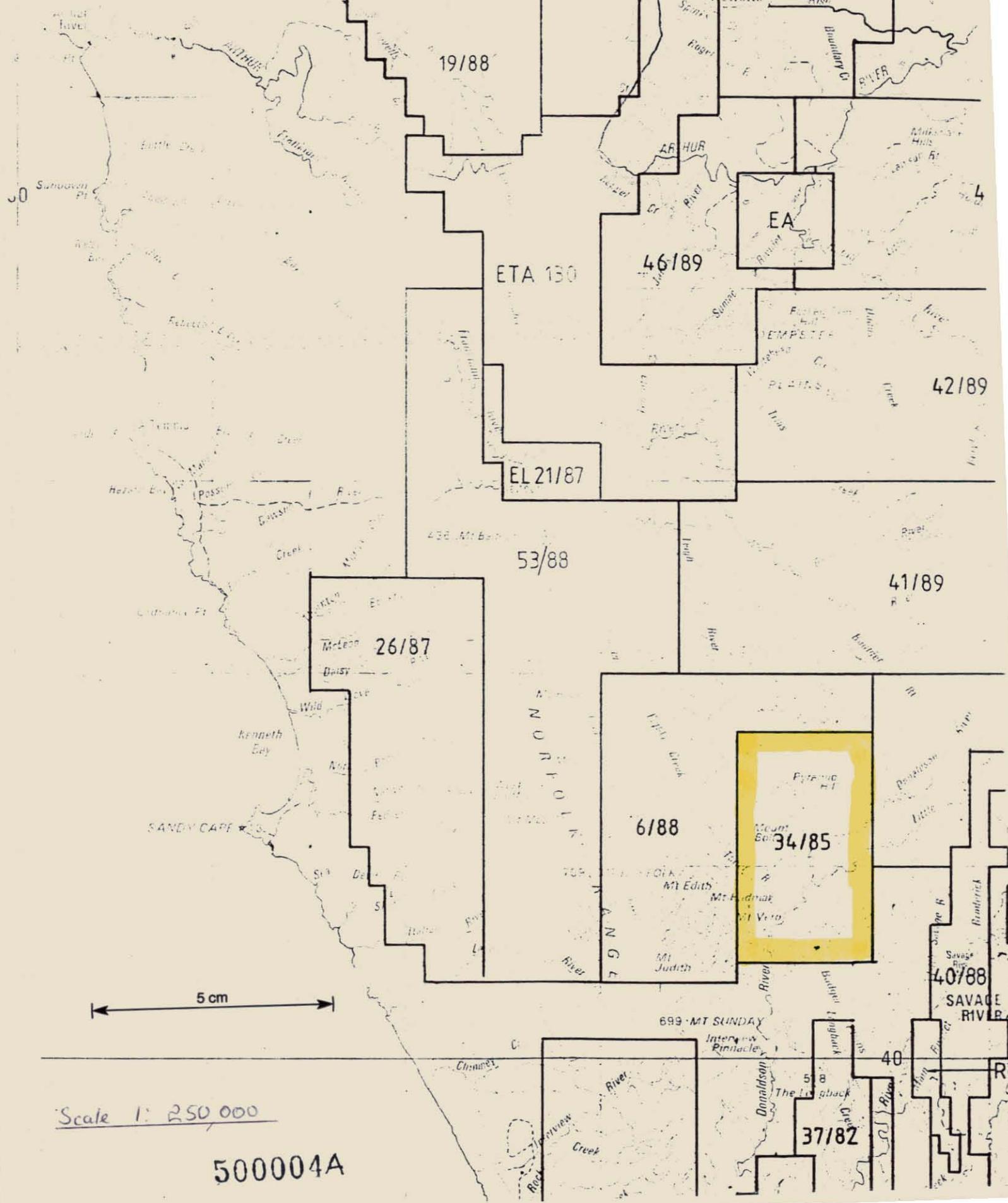
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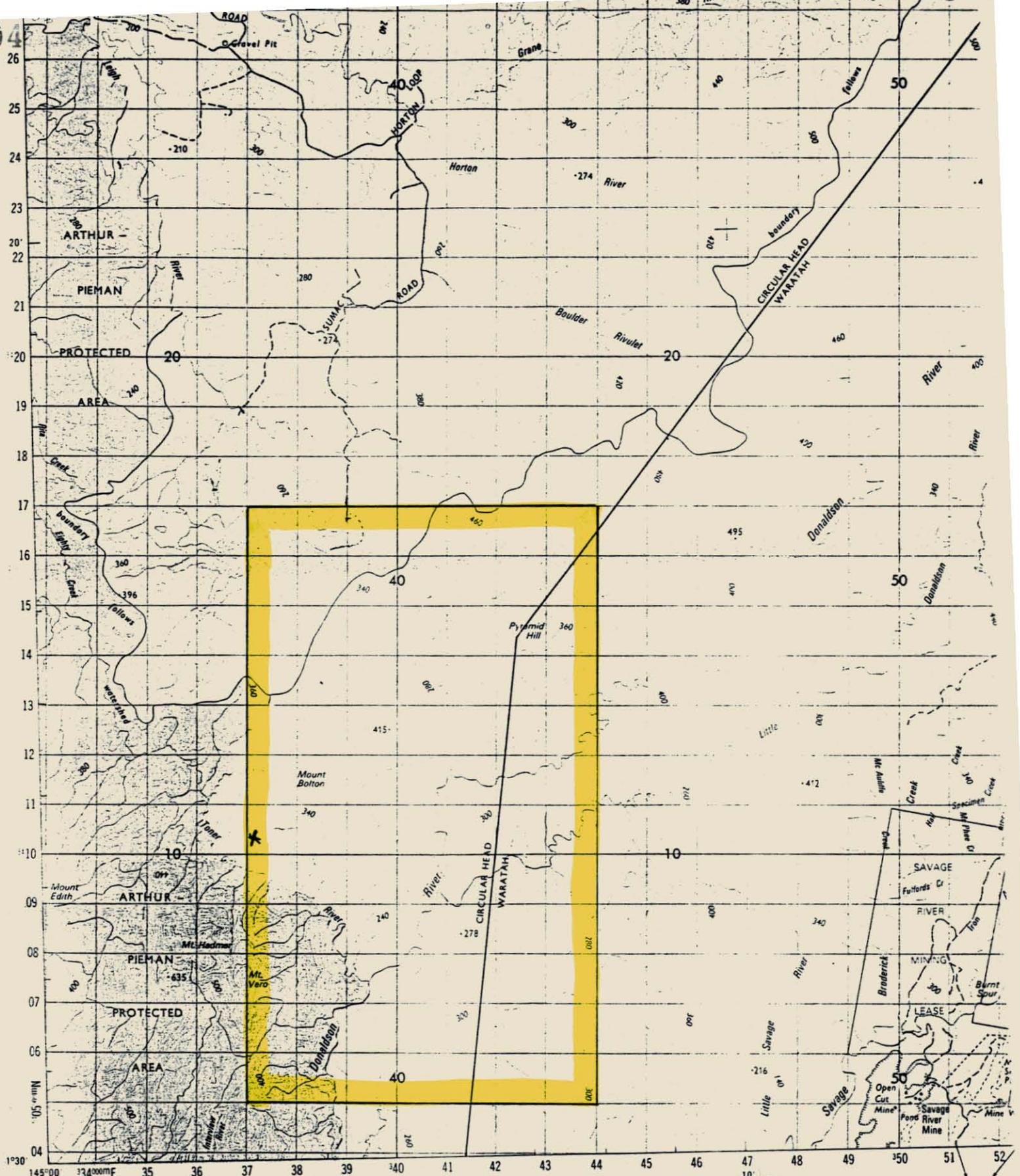
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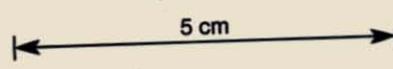
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PRODUCED by the Mapping Division, Lands Department, Hobart, 1982
 NOMENCLATURE. Topographic names on this map have been approved by the Nomenclature Board of Tasmania.
 MAP ACCURACY. The average accuracy of this map is ± 25 metres in the horizontal position of well defined detail and ± 5 metres in elevation.
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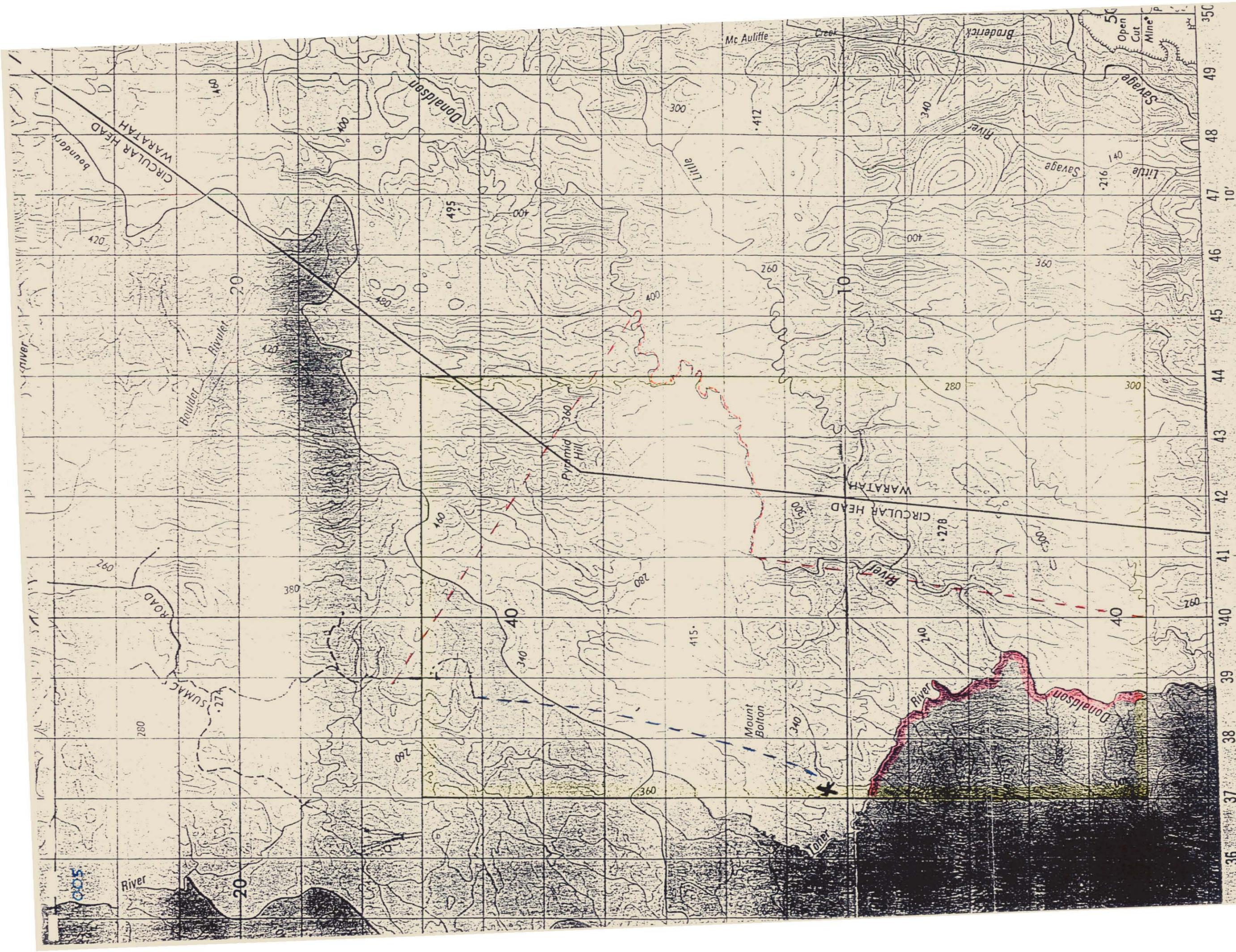
7915: ARTHUR RIVER

GRID ZONE DESIGNATION: 55G	TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 100 METRES
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- Built-up area; National route marker.....
- Roads maintained for continuous public use
 - Primary road; Route number.....
 - Secondary road; Route number.....
 - Minor road; Route number.....
- Roads of restricted use or access
 - Other roads; Bridge.....

BLACK NUMBERED GRID LINES
 GRID VALUES ARE SHOWN
 VERTICAL DATUM FOR TASMANIA
 VERTICAL HORIZON
 UNITS





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 Boundary of Norfolk Range Heritage Area

 Arthur Pieman Protected Area

 Exploration Licence Boundary

 Cut Track from Sumac Road

Introduction and Tenement Information

Exploration Licence 34/85 is a 82 Km tenement straddling the Donaldson river and encompassing Mount Bolton and Pyramid Hill. (Figure 2). The licence is owned by Wolston Developments a wholly owned subsidiary of Amatek Limited.

The area is approximately :

10% Arthur Pieman Protected Area
10% State Forest
80% Uncommitted Crown Land

Also 70% is within the Norfolk Range Australian Heritage Act Interim Listing.

The proposed West Coast Link Road was designed to go through the exploration licence but the project has been postponed. At the moment the Sumac Road just crosses the Northern boundary of the exploration licence and there is a cut track from the end of the Sumac Road to a grid south west of Mount Bolton and North West of the Toner River.

Some of the mountain slopes and ridges are open and carrying a low scrubby vegetation but on the whole the vegetation is thick scrub making progress very slow and helicopter access necessary.

Exploration Philosophy and Objectives

The objective was to explore for mineralisation associated with the major faulting patterns. Granitic intrusions are known in the area e.g. the Pieman Heads and suspected at Balfour, they are also suspected as the heat source for the formation of the silica flour at Corinna from the potent dolomite.

Initial Exploration

Stream sampling was carried out over the whole area with no meaningful results being obtained. Anomalous rare earth readings were obtained but there were no usable figures for silver, gold or base metals.

Occasional samples from the Copper Reward diggings have visible chalcophyrite and detectable gold. There was also measurable copper in the soil nearby but nothing in the steam sediment 100 metres away. It was concluded that stream sampling would be of no value probably because of the large amounts of water flowing in them in winter and that soil and rock chip sampling would have to be used.

This work is contained in the earlier submitted report by Longworth and McKenzie.

← see previous reports

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data?

Soil and Rock Chip Sampling

To test the possibility of using soil and rock chip samples a grid was cut around the former Copper Reward Washings. Soil and rock chip samples were taken and analysed for gold, copper and arsenic. Anomalous gold and copper values were found and a basic geophysical programme was carried out to try and define any potential ore bodies.

There are numerous magnetic anomalies aligned to the strike of the rock which are probably related to magnetite enrichment or depletion. A massive sulphide anomaly was located above the former Copper Reward workings. Disseminated sulphides were not investigated in the first geophysical investigation.

This work is contained in the report prepared by Mitre Geophysics. ?

Subsequent Exploration

Further geochemical and geophysical work could have been carried out but it was considered that the next logical step was to drill the sulphide anomaly and the magnetic anomaly so that the surface indications could be interpreted.

Unfortunately, Wolston Developments parent company elected only to fund exploration for construction materials and the drilling was not carried out. An attempt was made to find a partner to carry out the drilling but all of the exploration companies approached considered it too much of a green fields venture in a geological province with no known history of economic mineralisation.

Further Activity

As the exploration cannot be continued the exploration licence is being relinquished.

The Copper Reward Workings are on the Western boundary of Exploration Licence 34/85 and extend into Exploration Licence 6/88.

It is considered that there is enough information to put down 2-5 drill holes and that this is the next logical step before carrying out further geochemical or geophysical work to define other drill targets or to reduce the area.

B R. Harrison

B.R. Harrison

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