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**94-3578**

SERIES		
FILE NO.	EL9/84PT3	
21 JUN 1994		
DESCRIPTION		
CHECKED	FILED	FOR
See covering letter folio 16		

EL 9/84

LYNCHFORD

WESTERN TASMANIA

**MICROFILMED**  
FICHE No.013188-

PARTIAL RELINQUISHMENT REPORT

Prepared for:  
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15 June 1994

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## 1. TENURE

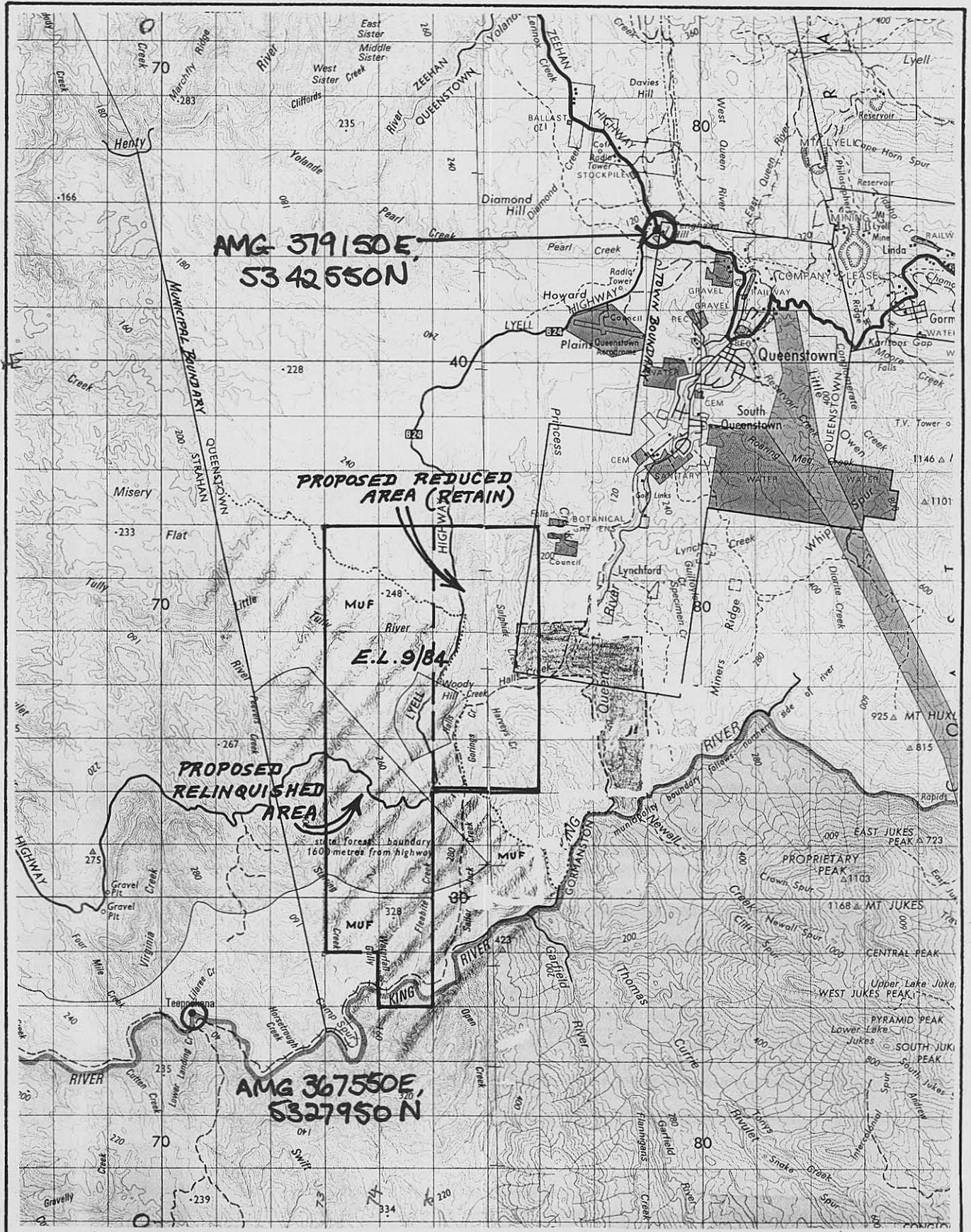
Exploration Licence 9/84 was granted to Trikon International Pty Ltd on 18 July 1984 with respect to an area of 56 square kilometres near Lynchford, south of Queenstown.

The licence was transferred to Montroyal Mining NL, a wholly owned subsidiary of Goldstream Mining NL, in October 1987. It was subsequently reduced to 27 square kilometres in July 1989.

In 1993, Montroyal entered into a joint venture agreement with Titan Resources NL to finance further exploration on the tenement.

On 22 May 1994, Montroyal applied for an extension of the eastern 10 square kilometre section of the licence and advised its intention to relinquish the remaining 17 square kilometres.

A plan showing the area for relinquishment is attached (figure 1).



-  Uncommitted Crown Land admin. by Dept. Environment and Planning
-  Land administered by Hydro Electric Commission
-  Multiple Use Forest Land / State Forest admin. by Forestry Comm.
-  Conservation Area admin. by Dept. Parks, Wildlife, Heritage
-  Crown Reserve admin. by Dept. Environment and Planning

NEWNHAM EXPLORATION AND MINING SERVICES

**E.L. 9/84**  
**TITAN - GOLDSTREAM**  
**LOCATION and**  
**LAND CLASSIFICATION**

DRAWN	L.A. Newnham
TRACED	
DATE	27 APR 94
SCALE	1:100,000

0 1 5km

5 cm

Figure 1

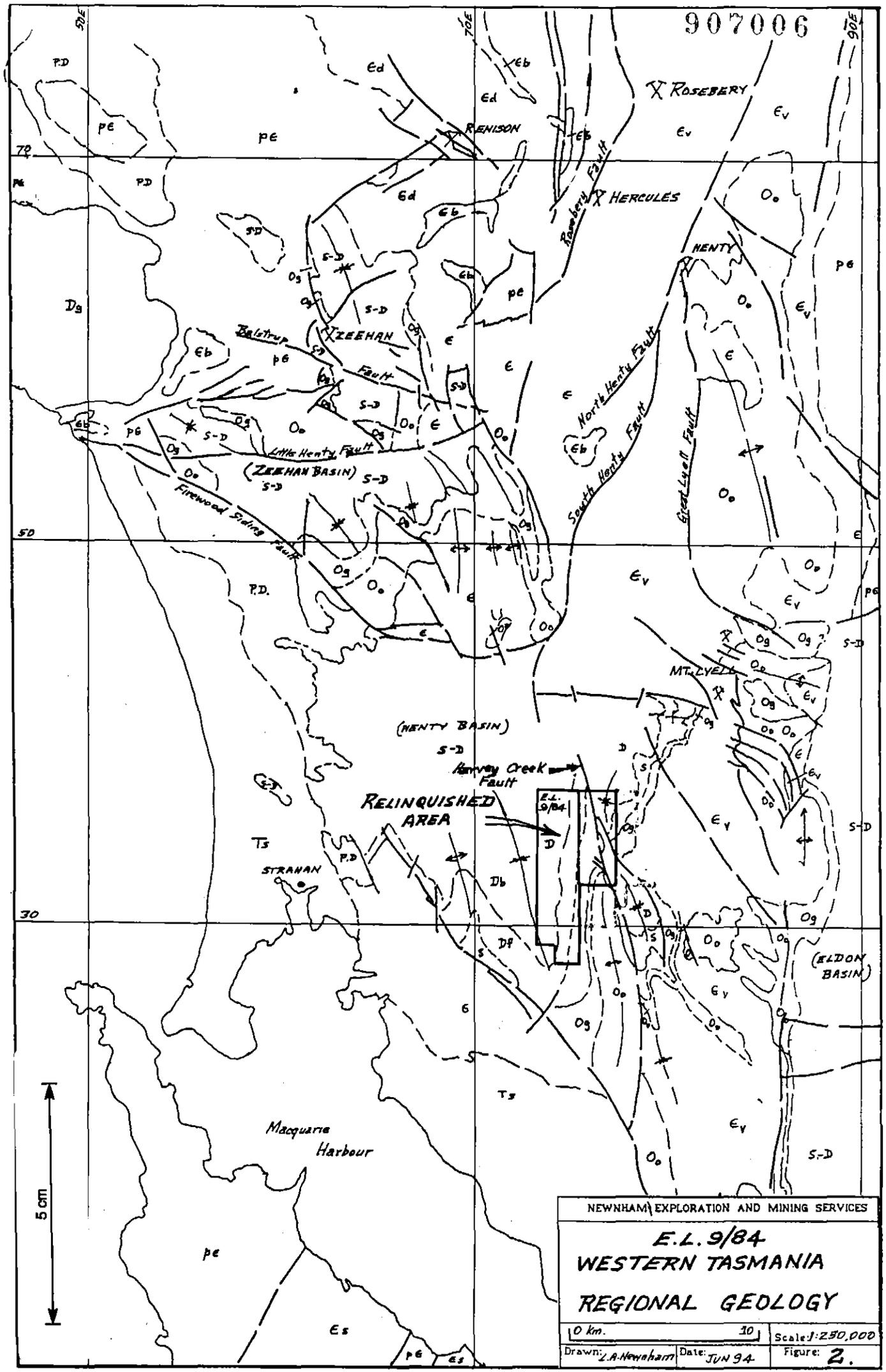
AMG REFERENCE POINTS ADDED

## 2. GEOLOGY (Figure 2)

That section of EL 9/84 to be relinquished lies near the eastern margin of the palaeozoic Henty Basin, on the eastern flank of a north-south anticline which appears to plunge north.

The area is underlain by Eldon Group sediments, principally the Bell Shale and Florence Quartzite Formations.

907006



NEWHAM EXPLORATION AND MINING SERVICES

**E.L. 9/84**

**WESTERN TASMANIA**

**REGIONAL GEOLOGY**

0 km.	10	Scale: 1:250,000
Drawn: L.A. Newham	Date: JUN 94	Figure: 2.

Data Sources: E.L. Mapping; Queenstown 1:250,000 Map Sheet; MRVP Map 6, 1:100,000

GEOLOGICAL KEY

The following symbols have been variously used on geological drawings in this Report

TERTIARY	<span style="border: 1px solid black; padding: 2px;">TS</span>	Sediments	
	<span style="border: 1px solid black; padding: 2px;">PD</span>	Undifferentiated Post-Devonian sediments	
DEVONIAN	<span style="border: 1px solid black; padding: 2px;">D</span>	Undifferentiated sediments	
	<span style="border: 1px solid black; padding: 2px;">Dg</span>	Granite	
	<span style="border: 1px solid black; padding: 2px;">Db</span>	Bell Shales	
	<span style="border: 1px solid black; padding: 2px;">Df</span>	Florence Quartzite	
SILURIAN	<span style="border: 1px solid black; padding: 2px;">S</span>	Silurian sediments undifferentiated	Eldon Group
	<span style="border: 1px solid black; padding: 2px;">Sc</span>	Crotty Quartzite	
ORDOVICIAN	<span style="border: 1px solid black; padding: 2px;">Or</span>	Rinadeena Formation	Junee Group
	<span style="border: 1px solid black; padding: 2px;">Ors</span>	sandstone	
	<span style="border: 1px solid black; padding: 2px;">Orm</span>	Shale	
	<span style="border: 1px solid black; padding: 2px;">Og</span>	Gordon Limestone	Denison Group
CAMBRO-ORDOVICIAN	<span style="border: 1px solid black; padding: 2px;">Om-Or</span>	Moira Sandstone-Owen Conglomerate and equivalents	
CAMBRIAN	<span style="border: 1px solid black; padding: 2px;">E</span>	Undifferentiated	
	<span style="border: 1px solid black; padding: 2px;">Ed</span>	Dundas Group	
	<span style="border: 1px solid black; padding: 2px;">Ev</span>	Undifferentiated Mt. Read Volcanics	Mt. Read Volcanics
	<span style="border: 1px solid black; padding: 2px;">Et</span>	Tyndall Group	
	<span style="border: 1px solid black; padding: 2px;">Ec</span>	Central Volcanic Complex	
	<span style="border: 1px solid black; padding: 2px;">Ew</span>	Western Sequence	
	<span style="border: 1px solid black; padding: 2px;">Ep</span>	Porphyritic Intrusives	
	<span style="border: 1px solid black; padding: 2px;">Eb</span>	Gabbroic and ultramafic complexes	
PRECAMBRIAN	<span style="border: 1px solid black; padding: 2px;">PE</span>	Undifferentiated	

TABLE 1.

### 3. PREVIOUS EXPLORATION

With development of the Queenstown-Strahan railway in the 1890's through the central section of the area, early prospecting would have been intense. However, no near surface mineral deposit discoveries resulted.

Between 1965-68, Pickands Mather took a number of stream sediment samples from those creeks, which were cut by the Abt Railway, as part of their regional sampling program of western Tasmania. These samples were assayed for copper-lead-zinc-nickel but no anomalies were defined.

In the early 1970's, the area were covered by EL 47/70 held by Cyprus Mines Corporation. They undertook some regional traverse mapping, but no specific work was undertaken on the relinquished area (1,2,3).

In 1981 the area was the subject of a regional aeromagnetic survey by the Department of Mines (4,5). No anomalies were defined on the relinquished area.

The area currently held as EL 9/84 was acquired in March 1981, as Special Prospecting Licence 806 by Trikon International Pty Ltd who entered into a joint venture agreement with the Electrolytic Zinc Company of Australasia Ltd to further explore the area.

EZ considered the area had potential for:

- a) vein style tin deposits of the Queen Hill type;
- b) disseminated gold deposits of the Carlin type;
- c) base metal mineralisation of the Mississippi Valley type.

They undertook some regional mapping, rock chip and stream sediment sampling.

Reports are sparse (6,7) and contain little detailed information.

SPL 806 was allowed to lapse but was reissued to Trikon in 1984 as EL 9/84.

Trikon initially undertook a stream sediment and reconnaissance mapping program on EL 9/84. A number of gold anomalies were defined in tributaries of Halls Creek (8).

However, Trikon concentrated all subsequent work on the eastern section of EL 9/84 adjacent to the Harveys Creek Fault, and virtually no further work was undertaken on the western relinquished area.

Similarly when the licence was transferred in 1987 to Montroyal, ongoing exploration was concentrated solely on the eastern (renewed) area.

#### **4. CURRENTLY ASSESSED MINERAL DEPOSIT POTENTIAL**

The relinquished area of EL 9/84 is underlain by a tectonically undisturbed sequence of upper palaeozoic marine sediments which, in this area, contains no known mineralisation.

These sediments may have potential for sediment hosted mineral deposits but on the basis of current knowledge this potential is not rated highly.

Elsewhere in the Henty Basin, similar upper palaeozoic sediments do contain a variety of significant mineral deposit styles, but typically in these areas the sediments are more deformed, affected by major structures and closer to intrusive activity.

## 5. REFERENCES

- 1 **Preliminary Investigations of EL 47/70 Western Tasmania**  
by AM Robinson for Cyprus Mines Corporation, October 1971.  
DMMR Ref 71-810.
- 2 **Results of Initial Reconnaissance Programme for EL 47/70,  
West Tasmania, Oct-Nov 1971**, Cyprus Mines, DMMR Ref  
71-814
- 3 **Results of Exploration Programme, Lynch Creek Area EL  
47/70, Tasmania, Jan-Mar 1972**, Cyprus Mines, DMMR Ref  
72-858.
- 4 **The 1981 West Coast Aeromagnetic Survey: Summary  
Information and Results** by Corbett, KD et al, Tasmanian  
Dept of Mines unpublished report 1982/39.
- 5 **Interpretation and Evaluation Report on 1981 West  
Tasmania Aeromagnetic Survey** by DE Leaman, 1986 for  
Tasmanian Dept of Mines Mt Read Volcanic Project Report.
- 6 **Special Prospecting Licence 806. Report for Six Months  
ending 10 September 1981** by J Nyvlt for EZ Co of Aust Ltd.
- 7 **SPL 806 Report on Exploration Activities for Twelve  
Months, March 1982-83** by McDonald, 1983 for EZ Co of Aust  
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- 8 **EL 9/84 Lynchford. Stream Sediment and Reconnaissance  
Geology** by R Poltock 1985 for Trikon International Pty Ltd.