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NEWHAM EXPLORATION & MINING SERVICES

**MICROFILMED**  
FICHE No.015203-

MINERAL RESOURCES  
- 9 DEC 1999  
TASMANIA

**EL 42/96 ROCKY RIVER AREA**

**ANNUAL REPORT**

**FOR YEAR ENDING  
31 OCTOBER 1999**

EL42/96PT 1  
- 9 DEC 1999  
See folio 61

For:

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10 November 1999

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Annual Report for Y.E 31 October 1999 - EL 42/96  
Rocky River Area  
Goldstream Mining NL; Newnham Exploration & Mining  
Newnham, L.A. EL42/96

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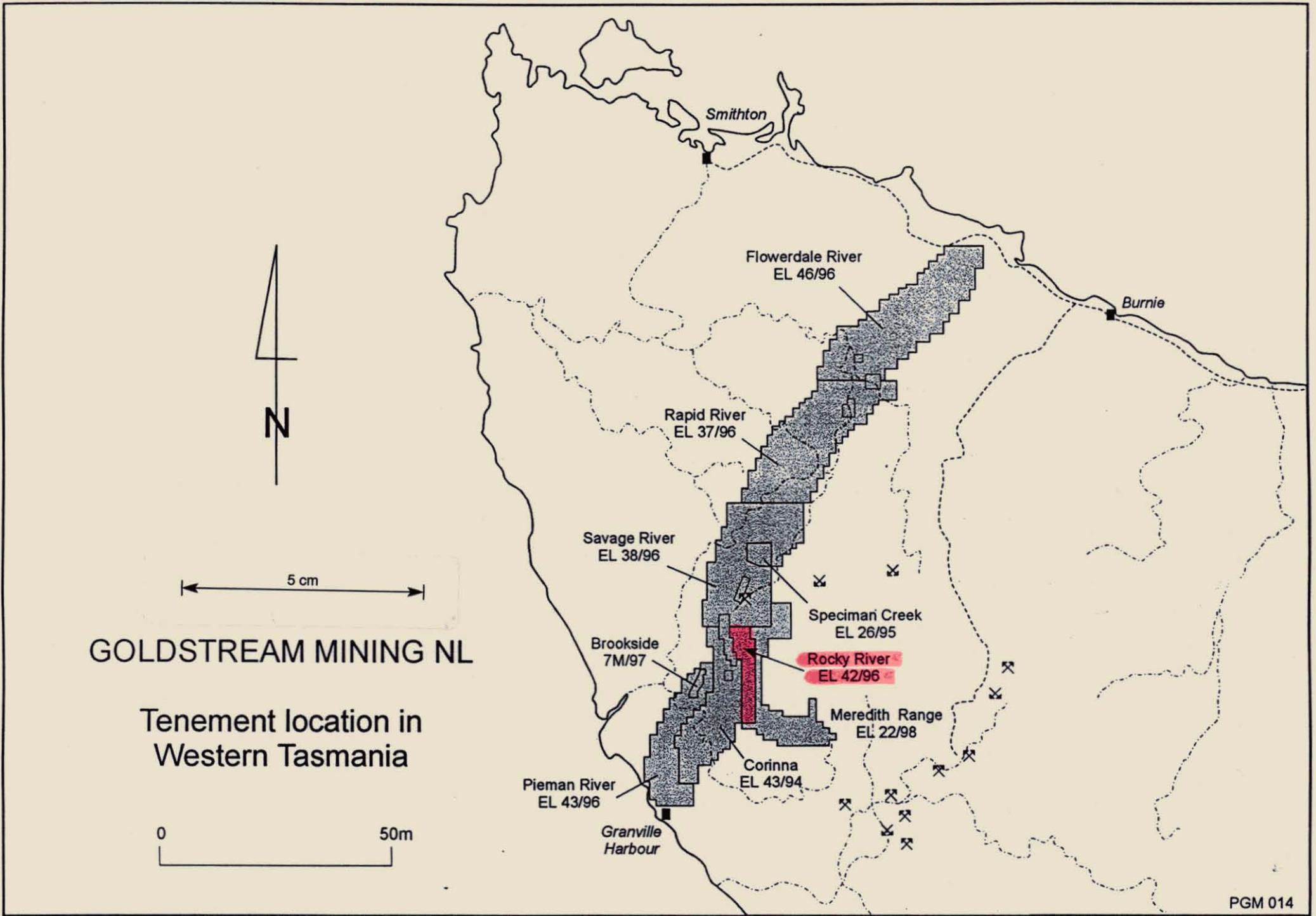
## 1. INTRODUCTION

Exploration Licence 42/96 of 41 sq km lies several kilometres south of Savage River township.

The licence, jointly held by Goldstream Mining NL and Titan Resources NL, was granted on 30 November 1996 and is due to expire on 29 November 2001.

The initial deposit target was Proterozoic iron formation sediment hosted gold. However, geochemical surveys completed by the co-tenants suggest that other deposit styles may be possible.

Expenditure to date on the licence is \$156,629.



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## 2. WORK COMPLETED PRIOR TO 1998-1999

Exploration Licence 42/96 was considered prospective for Proterozoic iron formation hosted gold deposits. Support for this concept was derived from historical workings at Golden Ridge in the north of the tenement and at Rocky River in the south of the tenement and in the adjacent EL 43/94.

**In 1996-1997**, a stream sediment survey was completed in these two prospective regions.

In the northern Golden Ridge area panned concentrates and -80# samples were taken at 93 sites along with eight rock chip samples. No significant anomalies were defined.

In the southern Rocky River area similar samples were taken at 155 sites along with four rock chip samples. Only scattered weakly anomalous Au anomalies were recorded.

Detailed results of this work are presented in the report:

*"Exploration Licence No. 42/96 Rocky River, Western Tasmania. Annual Report to 29.10.97"*, by NJ Turner Geological Services Pty Ltd, MRT ref 97-4105

**In 1997-1998** a program of more detailed stream sediment sampling was undertaken in the southern section of the licence to the east of the Rocky River workings. No substantive gold anomalies were defined but a broad low order As, Pb, Sb, Ag, Bi anomaly was outlined over a 2 km x 1 km area east of the Rocky River workings.

The streams which define this anomaly essentially drain from the east and the west. The anomaly trends north-east and is transgressive to Cambrian structures in the underlying Oonah Formation.

It is possible that the anomaly may be reflecting mineralised systems associated with the Devonian Meredith Granite.

Details of this program are presented in the following report:

*"EL 42/96 Rocky River Western Tasmania. Annual Report to 29.10.98"*, by NJ Turner Geological Services Pty Ltd, MRT ref 98-4219

### **3. WORK COMPLETED 1998-1999**

No field work was undertaken in 1998-1999.

### **4. WORK RECOMMENDED FOR 1999-2000**

The geochemical anomaly defined in the central section of the licence to the east of the Rocky River workings is of low order, but is real and extensive.

The anomalous geochemical assemblage could be considered as more indicative of a sediment hosted "Carlin style" of gold deposit rather than iron formation hosted gold. This could also explain the noted absence of gold anomalism in stream sediment samples (very fine gold).

#### **4.1 Program:**

It is recommended that this geochemical anomaly should be followed up by a detailed ground mapping and rock chip sampling exercise over a four (4) square kilometre area as defined on Fig 2. Some base-of-slope soil sampling should accompany this work.

Contour data suggests the area is very rugged and without vehicle access. It may be possible to use the Rocky River Mine track to get reasonably close for foot access.

If vehicle and foot access is too difficult, ie, cost ineffective, then a helicopter supported camp in the middle of the anomaly area may have to be considered. The access aspects of the recommended program will have a major bearing on the program budget below.

#### **4.2 Program Schedule:**

The recommended program would take three weeks of field work, preceded by one week of data collation and logistical organisation, and followed by 1 week of result collation.

Because this is a very remote and rugged little area, the program should be completed in summer, preferably February 2000.

#### 4.3 Program Budget:

The budget will depend very much on the method of access. This needs to be checked out in advance of committing to the program.

	\$
(i) Ground checking access - 1 day, 2 person crew	1,000
(ii) Helicopter reconnaissance of area - 1.5 hours flying + geologist for 1 day	2,000
(iii) Field crew for 3 weeks - geologist, technician, vehicle, accommodation, support, etc 18 days @ \$1,000/day	18,000
(iv) Pre- and post-program data collation - 10 days @ \$400/day	4,000
(v) Analytical services - 300 samples @ \$20/sample	6,000
(vi) Drafting	2,000
(vii) Project management	<u>4,000</u>
<b><u>Budget Total</u></b>	<b><u>\$37,000</u></b>

If the program was to be helicopter supported, the budget would increase by:

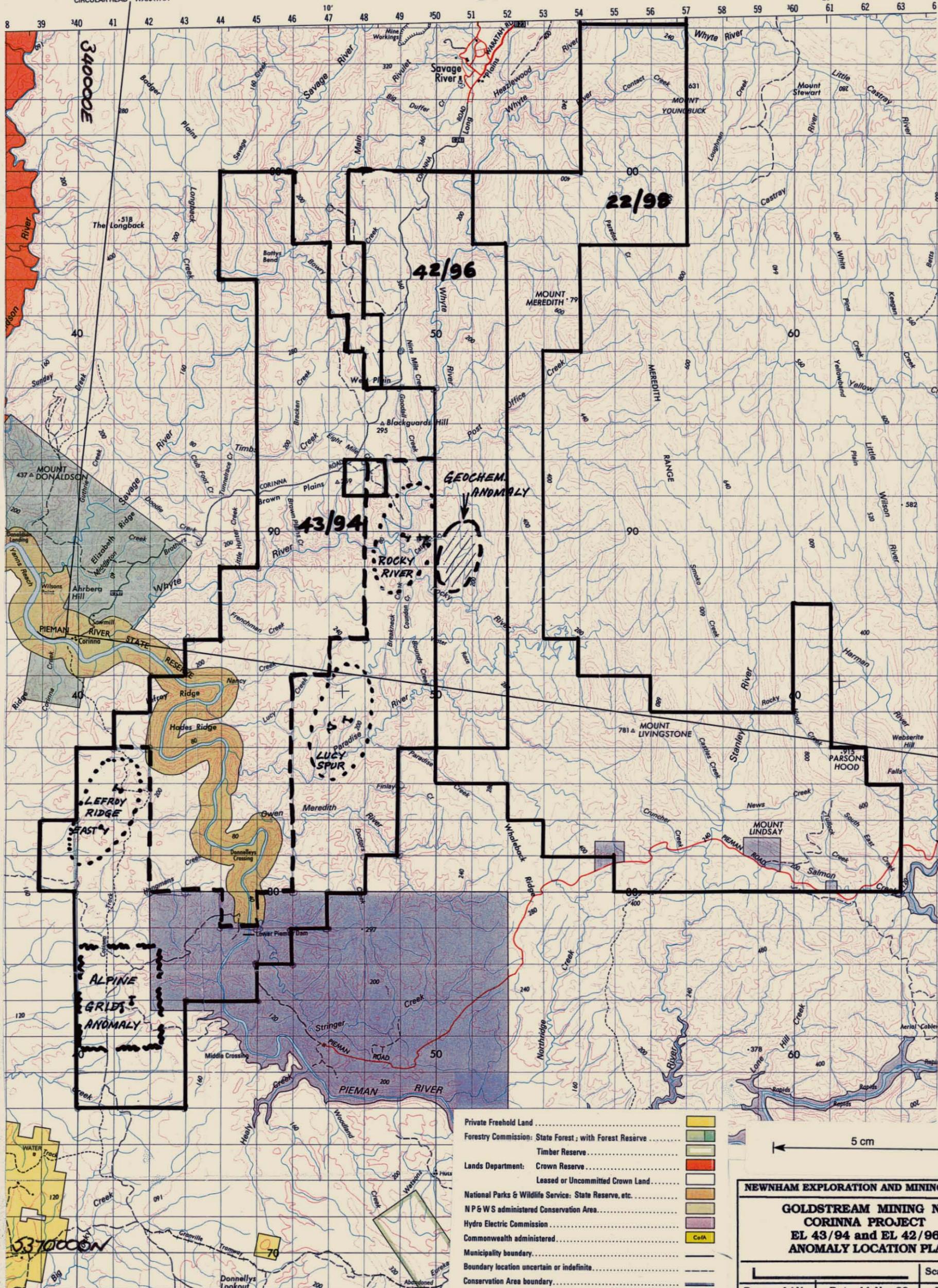
(viii) Helicopter hire - 4 days' support over 3 weeks, average 1.5 hours/day = 6 hours @ \$1,000/hour	6,000
(ix) Personnel to manage support	<u>2,000</u>
<b><u>Budget Total</u></b>	<b><u>\$45,000</u></b>

TOPOGRAPHIC BASE

# PIEMAN

LAND TENURE INDEX SERIES

CIRCULAR HEAD WARATAH



- Private Freehold Land .....
- Forestry Commission: State Forest, with Forest Reserve .....
- Timber Reserve .....
- Lands Department: Crown Reserve .....
- Leased or Uncommitted Crown Land .....
- National Parks & Wildlife Service: State Reserve, etc. ....
- NP&WS administered Conservation Area .....
- Hydro Electric Commission .....
- Commonwealth administered .....
- Municipality boundary .....
- Boundary location uncertain or indefinite .....
- Conservation Area boundary .....

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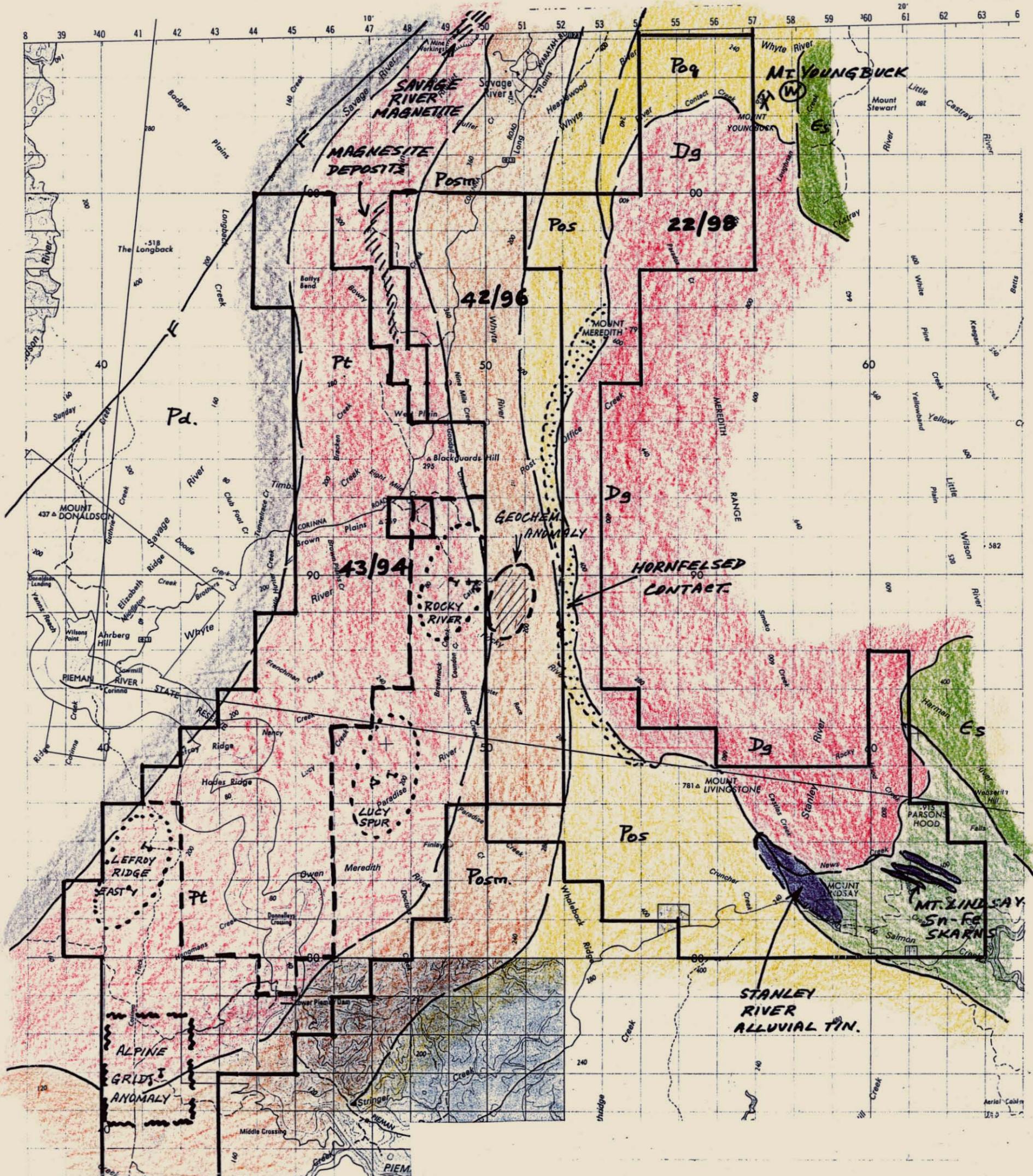
5 cm

**NEWHAM EXPLORATION AND MINING SERVICES**

**GOLDSTREAM MINING NL**  
**CORINNA PROJECT**  
**EL 43/94 and EL 42/96**  
**ANOMALY LOCATION PLAN**

Scale: 1 : 100,000

Drawn: LAN      Date: 11 Nov 99      Fig 2



- Dg Meredith Granite, Devonian-Carboniferous age
- Es Cambrian ultra mafic and mafic units
- Ecc Cambrian volcanoclastic sediments and carbonates of Crimson Creek Formation over mudstones, siltstones of Success Creek Group
- Poq Quartzite, minor carbonate and conglomerate; upper Oonah Formation
- Pos Quartzites, siltstones and mudstone of upper Oonah Formation
- Posm Precambrian micaceous quartz schists, equated with lower Oonah Formation
- Pt Precambrian phyllites and schist, part of Bowry Formation and Timbs Group
- Pd Precambrian siltstones, slates, minor carbonates and chert; equated with Ahrberg and Interview River Groups;

5 cm

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Geological information taken from State 1:50000 Corinna geological map

<b>NEWHAM EXPLORATION AND MINING SERVICES</b>		
<b>GOLDSTREAM MINING NL</b>		
<b>CORINNA PROJECT</b>		
<b>EL 43/94, EL 42/96 and EL 22/98</b>		
<b>PRINCIPAL GEOLOGICAL ELEMENTS</b>		
Scale: 1:100,000	Drawn: LAN	Date: 11 Nov 99
		Fig 3