

NEWNHAM EXPLORATION & MINING SERVICES

**PACIFIC-NEVADA MINING
PTY LIMITED**

EL 27/97 - TEMMA

**PARTIAL RELINQUISHMENT
REPORT**

AMG REFERENCE POINTS ADDED

For:

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10 October 2000

MINING SERVICES
EL27/97
28 OCT 2000
See folio 78

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Partial Relinquishment Report - EL27/1997 - Temma

Newnham Exploration and Mining Services; Pacific-Ne
Newnham, L.A. 27M/1997

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1. EXPLORATION BACKGROUND and PHILOSOPHY

In 1997 research investigations by Pacific-Nevada Mining Pty Limited identified the Proterozoic in western Tasmania as being both highly prospective for gold and copper deposits, and largely underexplored.

Pacific-Nevada undertook a major re-assessment of available State geological, magnetic and gravity data sets. This project led to the identification of major deformational and structural events which affected the proterozoic. Tenement acquisition strategies focused on regions where these trends were interpreted as intersecting.

Pacific-Nevada identified five north-west trending crustal features which were termed "focal structures" (FS), and assigned the names (south to north) *Macquarie Harbour FS*, *Savage River FS*, *King Island FS*, *Devonport FS*, and *Launceston FS*.

Also identified was a series of structural extension zones (deformational zones) which trended generally N-S, thereby cutting the focal structures. These extensional zones included the Arthur Metamorphic Complex, the Smithton Zone, Montagu Zone and Mary Hall Zone.

Principal target styles were:

- Proterozoic iron formation hosted gold (Homestake)
- Proterozoic iron formation hosted Au-Cu pipes (Selwyn)
- Proterozoic Cu-Au shoots or pipes (Tennant Creek)
- Proterozoic stratiform Cu (Michigan)

EL 27/97 was acquired because it covered Proterozoic sequences between the interpreted Savage River and Macquarie Harbour Focal Structures and their intersection with the Montagu Zone of deformation.

Mineralisation was known from historical mining and previous drilling to exist at a number of locations within the licence area.

2. AREA TO BE RELINQUISHED

The area to be relinquished is shown on the attached 1:250,000 tenement map.

The area covering the principal aeromagnetic anomalies is to be retained.

3. WORK COMPLETED

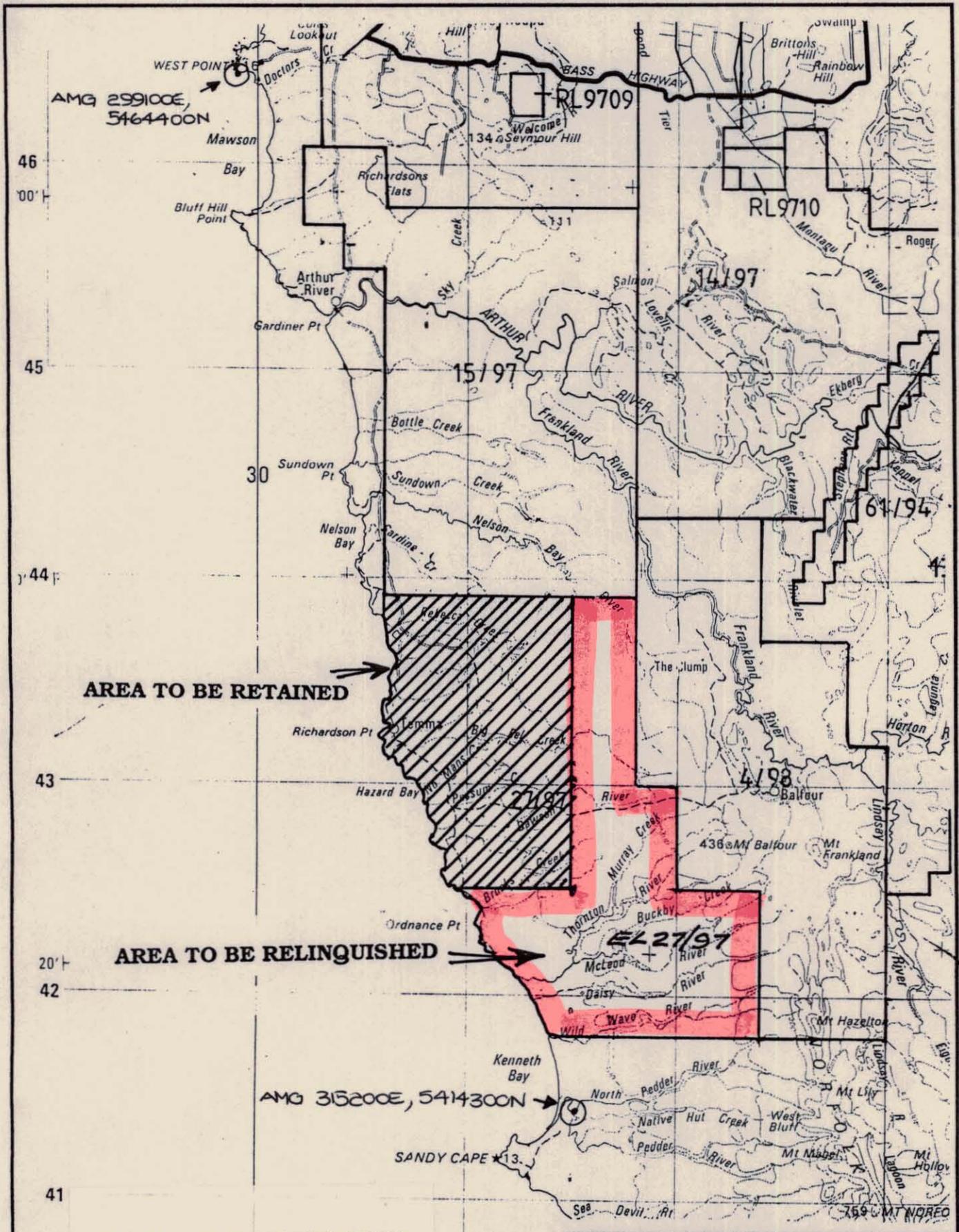
Exploration on EL 27/97 was focused on aeromagnetic anomalies identified from an interpretation of the AGSO aeromagnetic data. These anomalies were regarded as prospective for Au deposits hosted by either Proterozoic iron formations or iron rich breccia pipes.

Anomalies at Strickland and Possum were considered worthy of drilling. A program of three (3) drill holes was completed on Strickland in July 2000.

No active field work of significance was undertaken on the area to be relinquished.

4. REFERENCES

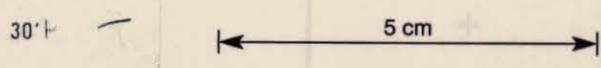
- (a) "Pacific-Nevada Pty Ltd, Temma Area, NW Tasmania. Geophysical Modelling", by N Hungerford, Flagstaff GeoConsultants, August 1999
- (b) "EL 27/97 Temma. Annual Report to 12.11.99", by NJ Turner Geological Services Pty Limited, 9th November 1999
- (c) "Pacific-Nevada Mining Pty Limited, EL 27/97 - Temma, Strickland Drilling Program, July 2000", by Newnham Exploration & Mining Services, 08 August 2000



AREA TO BE RETAINED

AREA TO BE RELINQUISHED

AMG REFERENCE POINTS ADDED



NEWNHAM EXPLORATION AND MINING SERVICES

PACIFIC-NEVADA MINING
EL 27/97- TEMMA
RELINQUISHMENT PLAN
SHADED AREA TO BE RETAINED

Scale: 1 : 250,000	
Drawn: LAN	Date: Oct 2000
Fig	