

673001

01\_4570

Relinquishment Report - EL4/1998 - Balfour

Newnham Exploration and Mining Services; Pacific-Ne  
Newnham, L.A. EL4/1998

**PACIFIC-NEVADA  
LIMITED PARTNERSHIP**

**OPEN FILE**

**MICROFILMED**  
FICHE No.015600-

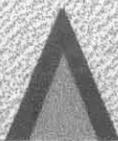
**EL 4/1998 - BALFOUR AREA  
RELINQUISHMENT REPORT**

MINERAL RESOURCES		
FILE REF: EL4/1998-2		
3 JUL 2001		
DOC. REF:		
OFFICER	FOR ACTION	FOR INFO
See folio 6		
RESUBMIT TO	DATE	

June 2001

01\_4570

Relinquishment Report - EL4/1998 - Balfour  
Newnham Exploration and Mining Services; Pacific-Ne  
Newnham, L.A. EL4/1998



**Prepared by:**  
**Lindsay Newnham**  
**Newnham Exploration and Mining Services**  
PO Box 183 Exeter Tasmania 7275  
Ph: (03) 6394 3434 Fax (03) 6394 3435



**CONTENTS**

- 1. EXPLORATION BACKGROUND and PHILOSOPHY**
- 2. WORK COMPLETED**
- 3. REFERENCES**

**MAP:****Fig 1: Location Plan****1:250,000**

## 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.

EL 4/1998, acquired because it lay on the interpreted Savage River focal structure, and is underlain by Precambrian sedimentary formations which have been weakly metamorphosed and structurally deformed.

The area is influenced by a number of major faults and accompanying shear zones. Regional geophysical data suggests the area has also been affected by the intrusion at depth of a Devonian granite.

Copper mineralisation is developed along 30 km of the north-west trending Balfour Shear/Fault, either side of its intersection with the north-east trending Roger River Fault.

Principal target styles for Pacific-Nevada 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)

## 2. WORK COMPLETED

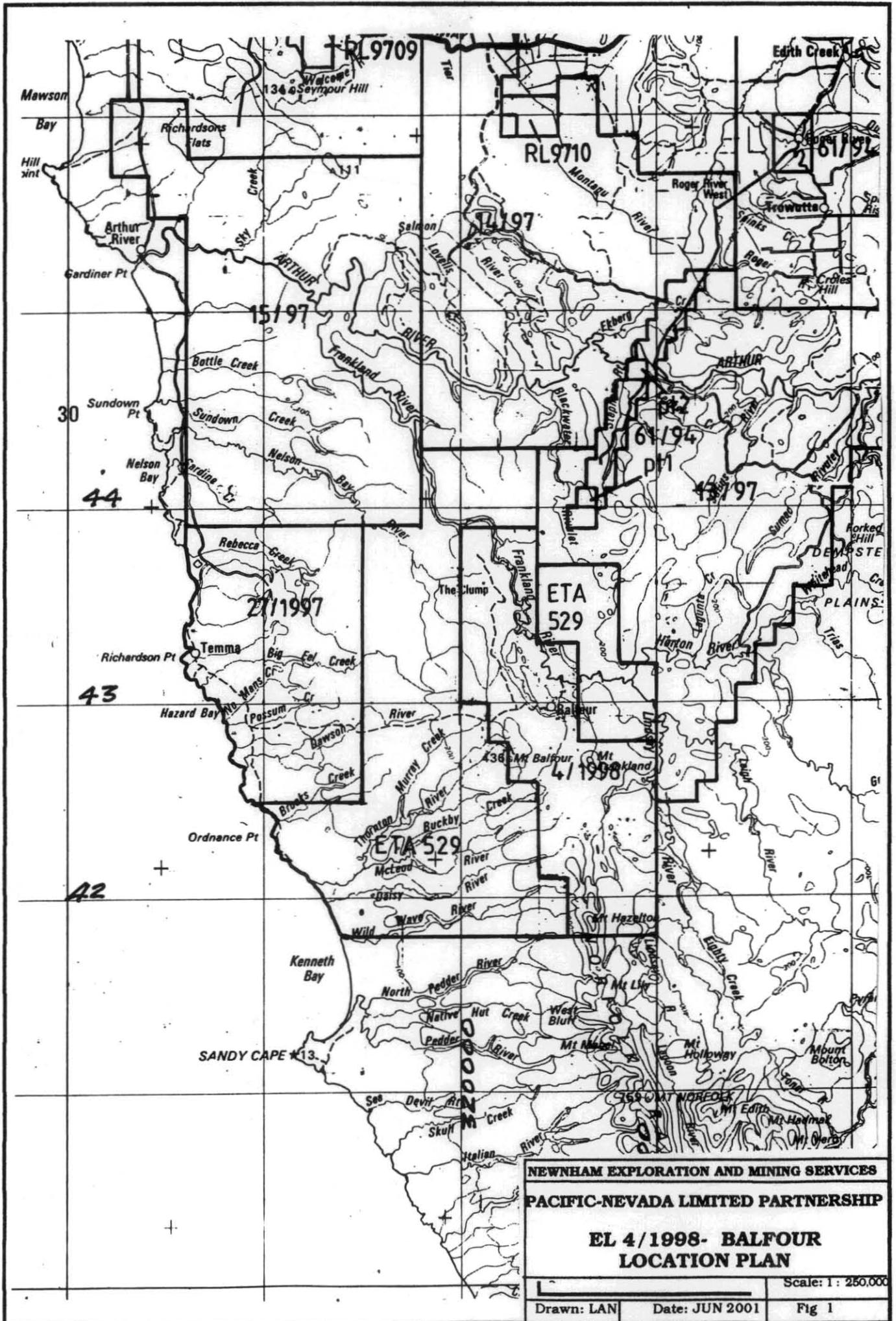
Pacific-Nevada explored EL 4/1998 in conjunction with several contiguous licences covering much of the Proterozoic of north-west Tasmania.

Work on this group of tenements was concentrated along the Roger River Fault, and only minimal work was completed on EL 4/1998.

In late 2000 Pacific-Nevada relinquished part of the licence and no field work was undertaken after that date on the remaining licence.

**3. REFERENCES:**

- (a) "EL 4/98 Report on Exploration Activity 10-7-98 to 10-7-99", by Sean Westbrook for Pacific-Nevada Mining Pty Limited

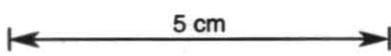


NEWNHAM EXPLORATION AND MINING SERVICES

PACIFIC-NEVADA LIMITED PARTNERSHIP

**EL 4/1998- BALFOUR  
LOCATION PLAN**

Drawn: LAN	Date: JUN 2001	Fig 1
------------	----------------	-------



Scale: 1 : 250,000