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NEWNHAM EXPLORATION & MINING SERVICES

MICROFILMED
FICHE No.

**PACIFIC-NEVADA MINING
PTY LIMITED**

EL 25/97

RELINQUISHMENT REPORT

OPEN FILE

EL 25/97
PT 1

For:

Pacific-Nevada Mining Pty Ltd
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See folio 51

By:

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Relinquishment Report - EL25/1997 - Robbins Island

Newnham Exploration and Mining Services; Pacific-Ne
Newnham, L.A.
EL25/1997

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 25/97 which covered Hunter and Robbins islands was acquired because it covered a succession of underexplored Proterozoic rocks, probably intruded at relatively shallow depth by upper Palaeozoic granites, near the intersection of the King Island Focal Structure and the Montagu Zone of deformation.

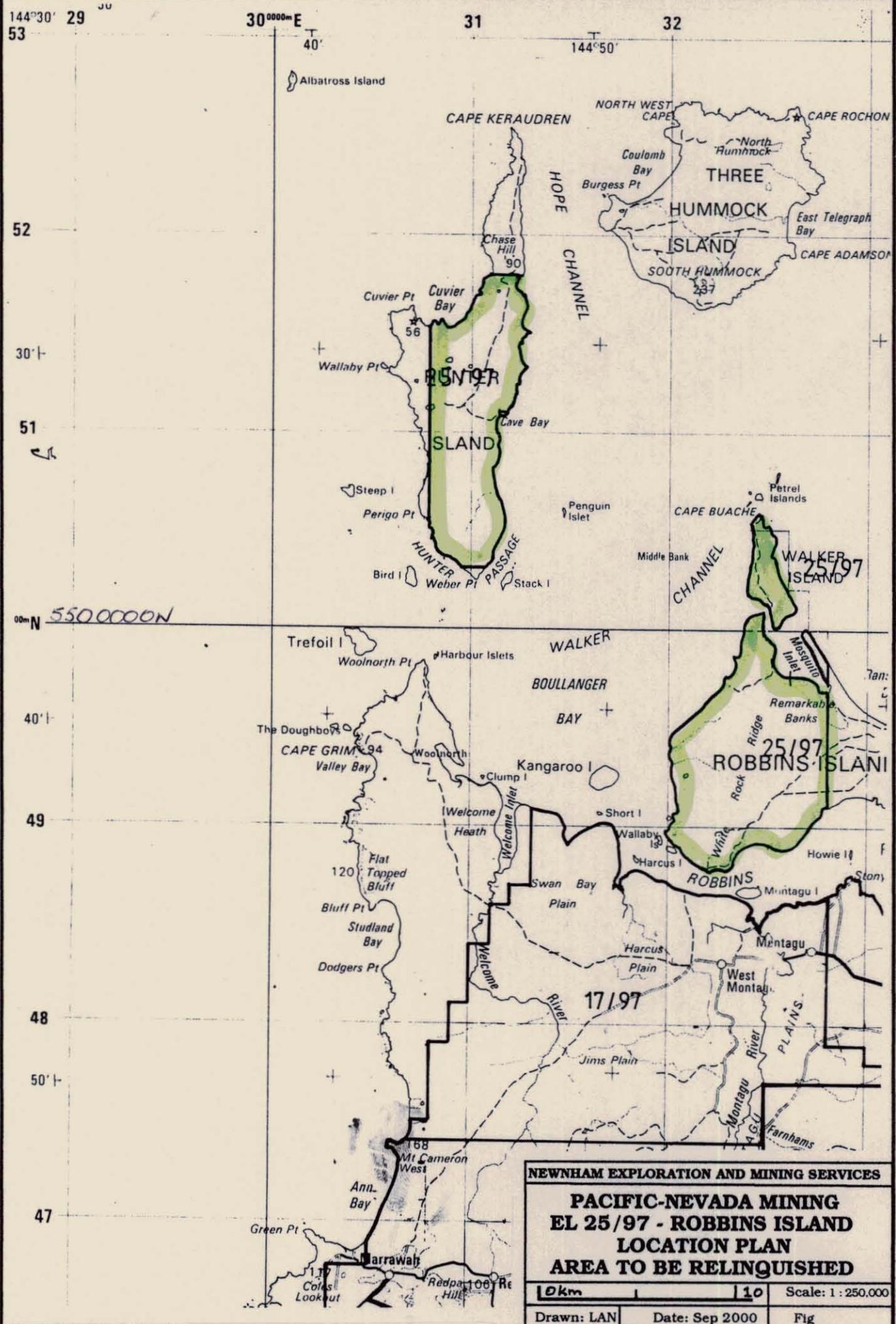
2. WORK COMPLETED

The direction of exploration on EL 25/97 was to be largely determined by exploration outcomes of programs to be completed on adjacent licences to the north on King Island, and to the south in the Smithton-Montagu area.

The eventual result was that, because of somewhat disappointing results in these adjacent areas, virtually no work other than regional assessments of available geological, magnetic and gravity data sets was undertaken on EL 25/97.

3. REFERENCES

- (a) *"EL 25/97 Exploration Licence Annual Review Form F7 for the period to 09 April 2000", by RFC Morrill*



NEWHAM EXPLORATION AND MINING SERVICES

PACIFIC-NEVADA MINING

EL 25/97 - ROBBINS ISLAND

LOCATION PLAN

AREA TO BE RELINQUISHED

10km 10 Scale: 1:250,000

Drawn: LAN Date: Sep 2000 Fig

5 cm