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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*.

In the Cape Sorell area the Macquarie Harbour FS was cut by a major, broad NNE trending fault zone which traversed across the Cape Sorell Peninsula. Ultramafic formations were emplaced along this structural zone which was largely flanked on the west by Proterozoic units and to the east by Cambrian sediments and volcanics.

EL 9/98 was acquired to facilitate evaluation of this structural zone primarily for Au and, secondarily, for PGMs.

## 2. AREA TO BE RELINQUISHED

Three sections of EL 9/98 which are distal to both this main structural zone and subsidiary splay structures are to be relinquished.

The areas to be relinquished are shown on the attached 1:250,000 plan.

### **3. WORK COMPLETED**

All field exploration by Pacific-Nevada on EL 9/98 was undertaken on the West Baylee and Hill 99 areas, close to the main structural zone.

Both of these areas are within the retained area.

#### 4. REFERENCES

- (a) *"EL 9/98: Report on Exploration Activity 24-7-98 to 24-7-99"*, for Pacific-Nevada
- (b) *"Interpretation of Geophysical Data on Pelius Cove and Hill 99 Grids"*, by N Hungerford, Flagstaff GeoConsultants, April 1999
- (c) *"Pelius Cove (EL 10/97) and Hill 99 (EL 9/98) Diamond Drilling Program May-July 1999, Cape Sorell, Tasmania"*, 2 Vols, for Pacific-Nevada
- (d) *"EL 9/98 - Cape Sorell Area. Report on Exploration Programs, West Baylee Area, September 1999-February 2000"*, by LA Newnham, for Pacific-Nevada Mining Pty Limited, 28 April 2000

