

# OPEN FILE

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## MINERAL CLAIMS AT JESSOPS WEST NORTHERN TERRITORY

MCN'S 2710-2712, 2716-2718  
2722-2724, 2728-2730  
2734-2736, 2740-2742  
2744-2760

## FINAL REPORT

Prepared for ROBERT JOHNSTON,

by

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CR90/257

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## JESSOPS WEST MINERAL CLAIMS - FINAL REPORT.

The Jessops West Claims consisted of 35 mineral claims, with a total area of approximately 700 hectares, located 145 kilometres southeast of Darwin, and from three to five kilometres west of the old Jessops tin mine (see Figures 1 & 2). The claims were pegged and applied for by Robert Johnston in August 1988 and granted on 7th December 1988; they were surrendered on 19th January 1990. The claims lie in the McKinlay River 1:100,000 sheet area, and straddle the unsealed road between Mt. Wells and Mt. Harris, providing easy access except after heavy rains.

The geology of the area is shown on the 1:100,000 scale Geological Series sheet McKinlay River (BMR/NIGS 1985), a portion of which is illustrated in Figure 3. The area covered by the claims is underlain predominantly by metasediments of the early Proterozoic South Alligator Group, which are intruded by large sills of metamorphosed mafic rocks, the Zamu Dolerite. Formations represented include carbonaceous metapelites of the Koolpin Formation, overlain by felsic cherty tuffs and siltstones of the Gerowie Tuff, which in turn are overlain by siltstones and greywackes of the Mount Bonnie Formation. These strata are complexly folded, the main structure within the area being a north - northwest plunging anticline. No significant mineralisation is recorded from the claim area, although by analogy with areas of similar geology elsewhere in the region, some potential for stratiform and vein type deposits of base and precious metals can be visualised.

The claims were pegged at a time when Robert Johnston was engaged in detailed exploration for precious metals associated with stratiform sulphide horizons at the old Jessops tin mine. Work carried out on the Jessops West claim block was restricted to evaluation of the general geology and reviewing the history of past mining and exploration; expenditure on this work was approximately \$750.

On consideration of the generally discouraging results of precious metal exploration at and around Jessops it was decided to terminate work on the Jessops West area and relinquish the claims.

G.R. Orridge.



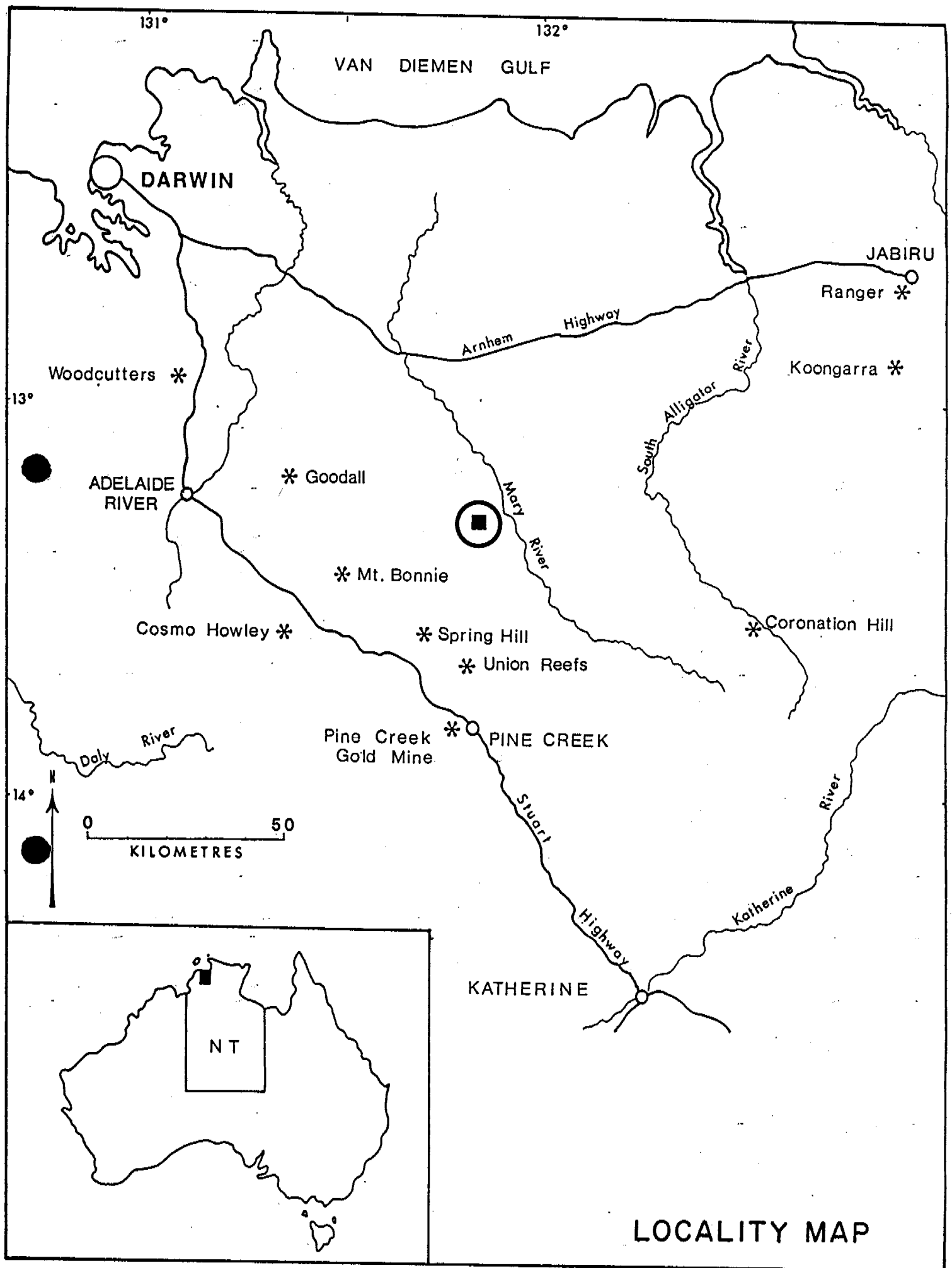


FIGURE 1





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