

7.0 TIN SPUR

7.1 GENERAL

An area of approximately 0.6 sq. km. was gridded by Comalco. Work undertaken included geological mapping, soil sampling, rock sampling, trenching, ground magnetics survey, an E.I.P. survey and three diamond drill holes. This indicated a potential for approximately 2 million tonnes of 0.3% Sn, 0.1 ppm Au and a further 2 million tonnes of 1 ppm Au. (P.W. Askins, May, 1980).

7.2 GEOLOGY

A northwest trending syncline of Moina Sandstone conformably overlies a thin band of Roland Conglomerate which unconformably overlies Cambrian Volcanics. (Refer Comalco Plan TAS/80/334 - enclosed with this report).

Moina Sandstone in the area consists mainly of tublicular sandstones and quartzites with some siltstone/shale bands and a few limey beds.

The Dolcoath Granite crops out in the Forth River valley approximately one kilometer to the west. Quartz porphyry dykes are present in the area. Minor tin and some gold shows are located adjacent to Tin Spur and the Round Hill Pb, Ag, Zn mine is one kilometer to the north-northeast. Minor Pb, Zn, Ag values are reported from mineralized limey beds in the Comalco diamond drilling at Tin Spur.

The Moina Sandstone/Roland Conglomerate has been gently folded (dips 20° NE and SW) into north-west trending folds. A possible northwest trending shear zone cuts through the axis of the shallow syncline and is thought to be the conduit and host for mineralizing solutions in this area.