

Darwin this season, was to determine the area's potential for low grade, high tonnage Au deposits. Because of this, the only critical assay results are those obtained for Au. An examination of the Au results reveals only one significant value (sample 12264-3.80 ppm). Another value greater than 1.0 ppm (12201) was recorded, and apart from 3 or 4 other samples between 0.14 and 0.04 ppm, the rest are below the detection limit (0.01 ppm). The three highest values (including 2694 and 2697 taken last season), all occur as float or sub-outcrop veined samples close to the Mt. Darwin summit. The only other sample with an Au value greater than 1.0 ppm (12201) occurs on the dump from the Mt Lyell Consols Cu mine.

- (ii) Copper. Several high Cu values were obtained during the sampling programme. The sample mentioned above, 12201, contains 3.5%Cu and together with nearly all the other samples containing more than approximately 0.1%Cu, were obtained from these dumps or walls of old Cu workings. None of these workings were noted to have potential for any major extensions past the small zones mined.
- (iii) Tin and Tungsten. An overall, background 'high' was found in all samples for both of these elements, most likely as a result of the mineralogy of the majority of the samples taken, i.e. magnetite ± chlorite ± hematite ± quartz