

(B) Far Northwest Tasmania

(i) Welcome (Hunter) 1:100,000 sheet

4 sample sets taken.

This area is underlain by a basement of comparatively unmetamorphosed mudstones, sandstones, orthoquartzites, greywackes, conglomerates and some basalt lavas. These rocks outcrop on the west and are largely unsampled. Within a basin in these rocks have been deposited PreCambrian dolomites overlain by a Cambrian sequence of interbedded siltstone, mudstone, greywacke, tuff, basic volcanic breccia, mixtite and amygdaloidal spilite. Significant amounts of the area are covered by Quaternary sands and minor Tertiary basalts.

This is the Western side of the Smithton Trough.

Most areas of dolomite have been covered by the sampling programme although only minor areas of Cambrian rocks have been tested.

No significant stream sediment anomalies were noted although A119613 showed weak Zn (165ppm), As (18ppm) and Ni (250ppm) values, A119626 showed weak Zn (380ppm) and A119611 showed weak As (20ppm).

Similarly the panned concentrates showed only weak values in A119613 (170ppm Zn, 80ppm Ni) and A119612 (145ppm Zn) while the ferruginous gravels showed weak values in A119613 (400ppm Zn and 250ppm Ni).

A119612 had an anomalous Au (0.31ppm) in the ferruginous gravel which was not shown in the panned concentrate or the bulk gold.