

- (4) North Grand Prize Mine. There is potential here for carbonate replacement and fracture controlled tin mineralization on the northern extension of the Grand Prize Fault in the vicinity of a major aeromagnetic anomaly. Reconnaissance exploration on the Black Hill Grid has only partly covered this area.

Drilling in the vicinity of the Grand Prize Mine has focussed interest on the potential for carbonate replacement mineralization in the upper margin of the ultrabasic. Within the Grand Prize area, this margin (the ultrabasic-Melba Spilite contact) has not yet been covered by reconnaissance surveys but should be, especially where potentially mineralized faults are present.

A work program comprising detailed gridding, ground geophysical and geochemical surveys and reconnaissance drilling is recommended on the above five areas in 1984/85. Figure 75 illustrates the proposed program. In detail:

- (1) Great Northern Mine, South Confidence Saddle, Pine Hill  
The target mineralization in all of these areas is sulphide-rich and should be responsive to a sensitive ground transient E.M. system. The grid should therefore be closed to a 100m line spacing to permit detailed E.M. surveys as well as ground magnetics. As the geochemical patterns in these areas are already well established and are too broad to be helpful in drill target selection, no further geochemical sampling is recommended.