

### 5.7. GOLD-TIN EXPLORATION

Wilson et al, 1982, reported on the recognition of a major gold drainage anomaly extending from Wart Hill to Voyager 30 and the presence of a partly overlapping tin drainage anomaly around the western margin of the 'Stony Creek Microgranite'. They noted the possibility of tin bearing magnetic skarn mineralization associated with the microgranite contact and speculated on presence of a tin halo around it.

As follow up during the 1982-83 season, drainage sampling was extended around the southern and eastern margins of the microgranite. The extent of the sampling and the results of panned concentrate analyses for Au, Sn and W are portrayed on Plan No 8.

The data appears to confirm the presence of a tin halo around the 'microgranite' and significant extensions of the gold drainage anomaly to north and east of the 'microgranite'. However, the halo effect may be partly a function of sampling locations. It is suggested that more extensive panned concentrate sampling is required, especially over the 'microgranite' exposure to actually define the areas of anomalous gold and tin drainage geochemistry.

C-Horizon soil samples, collected as part of the regional grid coverage, from over the gold and tin drainage anomaly zones were analysed for Au and Sn, W respectively.

(Refer to Tables 2 and 3 for distribution of samples thus analysed.)

As reported in section 5.6.2., the soil geochemical results were generally disappointing.