

### 3.2 Selina (A.J. Cartwright)

#### 3.2.1 Work Completed 1983-84

During January-March 1984, a total of four diamond drill holes were completed in the Selina area. The total meterage drilled was 1357.8m and all holes were drilled as part of the helicopter supported field season of 1983-84. As well as drilling, mapping in the Selina area and re-logging of previous Selina drill holes was undertaken.

The geology of the Selina region consists of a sequence of steep-dipping, north striking, felsic volcanics (volcaniclastics with minor lavas) between Owen Conglomerate in the west and Success Creek Group correlate in the east. The volcanics are unconformably overlain in part by Tyndall Group rocks and to the north of the area lies the Murchison Granite. Within the volcanics, two long, linear 'pyrite zones', the Western and Eastern, occur (these are represented on Fig. 10 by the I.P. anomaly zones).

Two separate mapping programmes were carried out at Selina. The first to get underway, was a detailed mapping and chip sampling programme by G. Purvis over the poorly understood Mt. Selina anomaly zone. However, when the drilling programme started, this work was postponed and at this stage remains incomplete. The second was a detailed structural mapping programme over the Ordovician sedimentary rocks between Selina and Red Hills. This