

2.2 SELINA (M. J. Hutton)

2.2.1 Introduction

Exploration over the Selina Grid in 1980-81 defined two major anomaly zones (Hutton, 1981):

- (i) An I.P. anomaly zone, east of the baseline, with a strike length more than 1.7 km, stretching north from line 136N (the "Eastern Pyrite Zone"). Quartz-sericite altered volcanics with abundant disseminated to sub-massive pyrite were found in outcrop on lines 144N and 184N associated with this zone but base and precious metal values in soil and rock chip samples were negligible.
- (ii) A 900 m x 800 m area of Pb-Zn-Ag anomalies between lines 128N and 104N (the "Mt. Selina Geochemical Anomaly Zone") and lying roughly along strike, to the south, from the above I.P. anomaly zone.

The stratigraphic setting and degree of mineralisation of the Eastern Pyrite Zone was tested by diamond drilling on line 184N (DDH LS8, 355.2 m) early in the season. Despite the lack of significant base metal mineralisation in this hole it was believed that, if the zone continued northwards, there was a possibility that economic mineralisation may occur with the pyrite.

The Selina Grid was extended a further 1400 m to the north of line 184N with routine soil sampling, ground magnetics and gradient array I.P. over eight grid lines totalling 11.64 line-km.

In-fill lines were cut between lines 128N and 104N to cover the Mt. Selina Geochemical Anomaly Zone. Geological mapping, soil and rock chip sampling, ground magnetics and ground E.M. surveys were conducted over the zone.

Results in both areas extended or reinforced the previous anomalies but did not indicate the presence of economic mineralisation.

2.2.2 Access

1. Roadworks

Four-wheel-drive access to the end of the old road at the Anthony River was re-established by by-passing the washout near line 152N and upgrading other sections of the road. This work required a lot of drilling, blasting and infilling boggy sections and, with wintery conditions prevailing, the job took a long time to complete (420 bulldozer hours). The new section was about 700 m long. A 300 m access track and drillsite were prepared for the LS8 drilling programme.

2. Northern Grid Extension

The Selina Grid was extended 1400 m to the north with eight grid lines, orientated E-W, a sub-baseline at 1400 mE and an access track at about 600 mE. A total of 14.68 line-km was cut, of which 11.64 line-km was pegged at 20 m intervals. The lines were cut by contractors and pegged by Mt. Lyell personnel (see Table 7 in Appendix C)