

Summary

Four diamond drill-holes were completed on the Agnew Grid testing the most promising anomaly detected during the reconnaissance gradient array survey of January 1981. Two of the four holes intersected encouraging stanniferous sulphide mineralisation and the body appears similar in nature and extent to the Sweeneys deposit 700m to the south west. The drilling followed definitive follow-up IP and geochemistry over the Agnew Grid anomalies. Magnetics coverage of the southern half of the grid was completed.

Three diamond drill-holes were drilled on the Globe Mine Grid - two of these intersected the Globe stanniferous and argentiferous quartz-tourmaline sulphide mineralisation and there is potential for moderate tonnage, again of the order of the Sweeneys deposit. The drilling followed an IP survey and geochemistry over the grid.

An airborne EM/magnetics survey was carried out over the east end of SPL 129; one particularly encouraging large, magnetically anomalous area was outlined. This area is considered prospective for Queen Hill style mineralisation.

On the Federation Grid, one diamond drill-hole and accompanying bedrock geochemistry over the Waxman and Westons prospect proved discouraging and no further work is recommended. An extension IP survey was carried out to close off anomalies on line 1700W. Interpretation of this and soil geochemistry data suggests that the source is only a low priority target and further work should be deferred pending positive results from similar more promising areas (eg. anomaly 2, Agnew Grid).

Contract mapping of the Heemskirk Granite was satisfactorily completed to the present requirements by contract geologist, R. Poltock.

The above work cost \$247,497 to complete

During 1982-83 it is proposed to carry out the following work:

- (i) diamond drilling on four areas in the south east portion of the Heemskirk Granite for a total of 1100m.