

ii) Geophysics

One line of Dipole-dipole IP with 50m line spacings was completed on line 10,000N to further define a drilling target over the chargeable zone which was outlined by the broader survey. A well defined chargeability anomaly was located between 9225E and 9300E, and the pseudosection of apparent chargeability suggested a likely source dipping to the east (plan 3). This anomaly is displaced 100m to the east of the Pb (Zn) soil anomaly which indicates the two anomalies may be unrelated (see fig 6).

iii) Drilling

Drill hole DDH V3/3 was collared at 9325E on line 10 000N and drilled at -45° to the west on the assumption of the easterly dipping chargeable zone. The hole was drilled to a final depth of 201.10m and intersected a varied sequence of fine to medium grained crystal tuffs, chloritic vitric tuffs and flow banded dacitic and rhyolitic lavas (plan 4).

Bedding-cleavage relationships in the core indicate the hole was drilled in the same direction as the dip of bedding and cleavage. Although the core was not oriented, this observation is consistent with the observed 75° - 85° dip of the cleavage to the west as observed in coastal and outcrops on the grid. Furthermore the down dip drilling accounts for the poor drilling conditions with the core constantly breaking and wedging in the core barrel which resulted in short runs and breakage of the core.

The sense of minor folding and the steeper angle of cleavage with respect to bedding indicate the hole penetrated the eastern limb of a synformal structure with its axis to the west of the collar.