

2.5.5 Diamond Drilling

Two diamond drill holes BL3 and BL4 were put down by Associated Diamond Drillers.

D.D.H. BL3 was designed to test the source of a broad, 300-500 gammas above background, ground magnetic anomaly in rocks overlain by a thick cover of glacial moraine. This anomaly was thought to be associated with a hematite-carbonate unit found in BL2, 550 m south of BL3.

D.D.H. BL4 was designed to test the source of gradient array twin peak chargeability highs with corresponding resistivity lows, coincident with dipole-dipole I.P. chargeability anomalies, corresponding resistivity lows and low order Pb-Zn soil geochemical anomalies.

D.D.H. BL3

Collar location: 30 m north of line 30S, 7636'E
 Collar R.L.: 547 m A.S.L.
 Bearing: 087° magnetic
 Inclination: -55°
 Hole Length: 451.0 m
 Commenced: 25th March, 1981
 Completed: 26th April, 1981

Summary of BL3 core:

0 - 49.0 m: Glacial till and clays
 49.0- 54.5 m: Very weathered intermediate volcanics
 54.5- 77.6 m: M.g. andesitic felspar crystal-lithic tuff with variable calcitic veins and bands, minor hematite clasts and trace chalcopyrite
 77.6- 80.6 m: Fault
 80.6-105.8 m: Interbedded m.g. crystal lithic tuff with a feldspatho-epidote matrix and banded carbonate
 105.8-132.5 m: M.g. andesitic felspar-hornblende crystal tuff or lava with variable chlorite-epidote matrix
 132.5-366.6 m: M.g. andesitic felspar (-hornblende) crystal-lithic tuffs and agglomerates with variable carbonate, chlorite and epidote with minor pyrite veinlets
 366.6-393.5 m: Interbedded m.g. and c.g. andesitic felspar crystal-lithic tuffs with pink carbonate
 393.5-444.5 m: Interbedded f.g. to m.g. andesitic felspar crystal tuffs with variable chlorite, sericite and carbonate
 444.5-451.0 m: Bedded m.g. felsic felspar crystal ash-fall-tuffs with chlorite-sericite matrix

BL3 - Results

The only significant assays from BL3 were two slightly anomalous zones of Pb (see Figure 55).

241.0-247.0 m: 6 m at 0.30% Pb
 332.8-334.8 m: 2 m at 0.42% Pb, 0.1% S

The only significant chargeability high from a down hole I.P. survey corresponds with a slightly disseminated pyritic zone at 328.8-334.8 m (Figure 57).

Magnetic susceptibility readings of the BL3 core at 2 m intervals (Figure 57) show a magnetically active zone of rocks (50.0-134.0 m). A lithological