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6.2. Silver Falls Extension Grid

6.2.1. WORK COMPLETED (Refer to 1:50,000 plan A2-521-0060)

A total of 7.2km of grid line was cut and pegged to trace the north-east extension of the anomalous Pb/Zn soil geochemistry.

The grid was geologically mapped and soil sampled.

Stream sediment samples were collected from the entire grid, where grid lines were crossed by active stream drainage.

A total of 8.9km of reconnaissance dipole-dipole I.P. was completed over the western part of the grid.

6.2.2. GEOLOGY

(Refer to plan AD-525-0012 1:10,000 Geology Sheet 3)

Geological mapping shows that the soil anomalies follow the strike and may be related to a particular rock type (perhaps a polymictic conglomerate observed in close proximity to the high values). The rocks consist chiefly of shales, siltstones, tuffaceous sandstones and conglomerate. Rare crystal lithic vitric tuff was also observed north of the Que River. In the north-western corner of the grid a micaceous sandstone of probable pre-Cambrian derivation was mapped.

A major soil geochemical anomaly (values upto 1.15% Pb) occurs on line 5,390,300N at 377,280E over a weathered ignimbrite.

6.2.3. SOIL GEOCHEMISTRY

(Refer to plans AD-525-0102, 0103 & 0104)