

U53

Complex, particularly on lines 2400N and 2600N.

6.2.5. Lead

The main soil anomalies are associated with the Colebrook Hill Serpentinite, particularly where galena occurs in dolomitic serpentinite. Anomalous values also occur in the soils associated with the faulted off serpentinite dyke which intrudes acid pyroclastics, black shale and arkosic conglomerates of the Dundas Group.

Anomalous values are associated with the Serpentine Hill Complex, particularly the eastern contact zone with the Basaltic Complex in the south-west sector of the grid. The anomalous values in soil samples collected from alluvium of the Ring River are spurious and simply form part of the geochemical drainage train from the Hercules Mine at Williamsford upstream.

6.2.6. Zinc

The eastern contact of the Serpentine Hill Complex and the Basaltic Complex/conglomerate contact, in the south-west sector of the grid, are anomalous in zinc. Zinc soil anomalies also occur over the altered ultramafic rocks in Grid 4. A major anomaly is associated with the contact zone of the Colebrook Hill Serpentinite.

Minor anomalies in zinc, along sections of the Exe and Colebrook drainage courses, reflect the base of the glacial overburden on fairly steep slopes. These anomalous values are therefore regarded as spurious.

6.2.7. Nickel

Two zones of anomalous soil values are associated with the contact zone of the Serpentine Hill Complex with a broad zone between lines 2600N and 3200N. There is no obvious nickel anomaly associated with the altered ultramafics of Grid 4, while to the north, the nickel values no longer indicate serpentinite. High nickel values also occur in the soils developed on the Colebrook Hill Serpentinite and the faulted off dyke in the Dundas Group sediments.