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Highly serpentinitised ultramafic, obviously the same intrusion as at Huskisson, has been intruded into the sediments in the SW corner of the area. As at Huskisson there is evidence of sill-like bodies of mafic intrusives ranging from basalt to gabbro flanking the serpentinite suggesting an emplaced ophiolite sequence. The proximal relationship between serpentinite and dolomitic limestone perhaps implies that this may have been a selective horizon for emplacement.

The rocks are well described in the report.

5. AREAS OF INTEREST

The stream sediment geochemistry greyscale plots outline a broad pattern of Cu, Zn and Ni enhancement on the east side of the Heazlewood River. The anomalous zone is most likely formational as it corresponds with a belt of coarse grained basic rocks mapped by the Geological Survey and indicated from our geology. Alternatively, the enhanced metal values could be derived from the contact of these rocks with the basic to intermediate volcanics further east. Within this zone, however, there are drainage trains with copper value in excess of 100 ppm Cu and nearly always high coincident zinc. These anomalies occur mostly in the north-east part of the lease area and a group of them have been covered by the Friday Creek grid. The anomalies appear to be associated with a tuff greywacke, andesite sequence often intruded by dolerite.

Monday Creek has the strongest geochemical enhancement of Cu and Zn but perhaps significantly there are also Sn values of 20-50 ppm associated. Soil sampling (B horizon) within the grid has confirmed the anomalous tin which is generally associated with copper in a restricted pattern that has a NNE trend. High zinc values are dispersed over the grid with a slight enhancement in the area of the general Cu/Zn anomaly.

Anomalous tin values were obtained from the Heazlewood River where it crosses the lease boundary with Abminco. Three streams, which appear to traverse a dolomite/ultramafic boundary in the same area, flow west into the Heazlewood River and have anomalous Cu values. The position of the lease boundary in this area has to be accurately established.

Anomalous tin values were also obtained from the Whyte River and a minor tributary north of Luina both inside and outside the northern boundary of the lease. A similar geological environment of serpentinite and basic volcanics is indicated.