

- 20 -

Sample A119594 from Copper Creek is the only significantly anomalous drainage with 380ppb Cu in the bulk gold, 920ppm Zn and 170ppm As in the stream sediment, 175ppm As, 1700ppm Zn and 210ppm Bi in the panned concentrates and 620ppm Zn in the ferruginous gravel.

Most other samples had elevated Zn values (90-380ppm) in the stream sediments and elevated Cu values (100-355ppb) in the bulk golds. Most of these values probably relate to elevated values of basemetals in the Cambrian volcanics. Similarly A119599 with 990ppm Zn and 90ppm Bi in the ferruginous gravel probably relates to the Cambrian volcanics.

However A119600 with 1150ppm W and 220ppm As in the ferruginous gravel (105ppb Cu in the bulk gold) drains an area of mainly Tertiary basalt which does not explain the anomaly.

Further investigations (sampling and mapping) are required in the area of Copper Creek (A119594) and in the A119600 drainage.

Also recent work by Crawford (Uni of Tas) and Brown/Baillie (Mines Dept) suggest the Cambrian volcanics may carry the concentrations. Contrary to this is gravity data which suggests there is no major heat source (granite) beneath this area. Native copper is known from several areas within the volcanics.

Possible low priority sampling to cover the Cambrian exposures is required.