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8.2.2 Anomaly 1

Sheffield 1:25 000 topographical sheet; grid reference 495 115.

Anomaly 1 is a first order Zn, Pb, CxZn anomaly and forms a cohesive and lithologically restricted dispersion defined by 4 anomalous drainages.

The more anomalous values are located in two forks of a creek that drain easterly of a north-south elongate hill area approximately 2km in length.

Basic to intermediate rocks of the Beulah Formation crop out sporadically in the area. These include fine grained vesicular augite andesite in which occur small areas of andesitic breccia, and a dark grey porphyritic lava. Apart from veins of carbonates occupying tension gashes, the andesites are not altered.

The source for one of the anomalous drainages was located in the northern arm of the creek. This is an area of weak quartz veining less than 1-2 cm wide containing anomalous levels of base metals developed in well fractured and cleaved andesite. Best values (in sample no. 6408) were Pb - 2145 ppm, Zn - 430 ppm, Cu - 120 ppm. Cleavage direction is 127° magnetic; dip is subvertical. Quartz veining can be traced sporadically over about 80 m and trends subparallel to cleavage direction. It is apparent that the cleavage is the expression of an air photo interpreted shear passing through the mineralised area.