

023

8.2.7 West Mersey River Anomaly

Gog 1:25 000 topo. sheet, grid reference 572047.

Resampling of Asarco's moderately Pb, Zn anomalous creeks directly draining eastwards into the Mersey River confirm the existence of one anomalous creek. (Sample No. A6465 to A6470, Appendix II).

It is characterised by a peak Pb value of 280 ppm supported by 990 ppm Zn and a dispersion train of elevated Pb, Zn values over 150 m downstream from this anomalous sample location.

X

The source for the anomaly is located on the north of the creek and was found to be a prominent nine metre wide bluff face much silicified and fractured with weak to moderate limonite and boxworks after pyrite. Irregular quartz stringers occur subparallel to the fractures. Though alteration has destroyed original rock textures it appears that the host is a quartz-rich volcanoclastic forming part of the extensive body of volcanics cropping out along the base of the Gog Range.

Best metal values returned from rock chip samples taken across the bluff face was 900 ppm Pb, 800 ppm Zn, 25 ppm Cu, 3.2 ppm Ag and 50 ppm As (sample no. A6492). These fractures represent a minor, weakly mineralised shear that trends SSE-WNW across the creek.

To test the continuity and strength of mineralisation bedrock auger samples were collected