

South Garfield Eastern Shales/Lavas

This shale lava association is located on eastern side of the Garfield Valley immediately north of Slate Spur. The sequence dips steeply west overlying and genetically related to the Darwin rhyolitic flow dome complex and is overlain to west by quartz feldspar pyritic ignimbrites. The felsic lavas and shale represent the northward continuation of the East Clarke Valley sequence.

During this season the unit was traversed in two streams, previously Electrolytic Zinc Co. 1975 stream sampled (-80#) this area at 60 m intervals with no significant results Cu Zn <20 ppm Pb 30-35 ppm, from current sampling best values Pb 66 ppm.. Shale lenses few cm - 10 m thick occur within the massive unaltered lavas. Shales are only slightly pyritic with the exception of No. 11388 3 cm band of massive pyrite Cu 1200 ppm Pb Zn <100 ppm and Ag 4 g/t.

With the exception of No. 11379 pyritic shale Cu 300 ppm, 8 g/t Ag all other samples Cu Pb Zn 100 ppm or less with Au Ag less than detection.

The only encouragement from this area are the pyritic bands with anomalous copper at 11388. Approximately 1000 m strike of shale/lavas has not been tested geologically/geochemically between the northern Clarke Valley shales on Slate Spur and current traverses.