

Acid Tuffs:

The rocks grouped in this classification are strongly ironstained, soft, acid pyroclastics. Rock minerals are generally quartz and strongly altered feldspar (often pink orthoclase), chlorite and muscovite. Magnetite occurs as an accessory. Where discernable, the matrix appears to be fine grained. Sericite and Kaolin occur as predominant alteration products. Hematite is abundant. It would appear that this group have undergone some degree of hydrothermal alteration.

In outcrop, the rocks are strongly weathered and structural information is difficult to obtain from field observations. To the north of the grid, the rock outcrop is more massive with less ironstaining. The outcrop can generally be defined by a distinct, red colour anomaly. Strong shearing is evident close to the contact of the acid volcanics.

Acid Volcanics:

These rocks are a group of whitish grey, soft, sheared rhyolitic volcanics which have been described by other workers as quartz-sericite schists. It is thought that they could be correlated with the Mt. Lyell ore bearing schist sequence. However, as they are representative of a lower grade of metamorphism, they have been classified genetically, that is as "sheared acid volcanics". Rock minerals are generally quartz muscovite, some sericite and rarely chlorite with pyrite and sphene as accessories. Sericite and chlorite occur in random alignments as alteration products of muscovite. The texture is generally porphyritic with either a semi-schistose a fine grained matrix or in a layered micaceous and quartzose matrix. Phenocrysts are occasionally brecciated. The shearing direction is consistent with a strike of 315-325° TN. Ironstaining in these volcanics is minor. The eastern contact with the underlying acid tuffs seems to correspond with a zone of quartz scree, although this may be coincidental. (See section relating to "quartz scree" on page

Dundas Group Sediments

In the north of the grid area, these beds consist of finely, irregularly alternating bands of coarse siltstone, claystone and laminated shales. The strike of this unit is coincident with that of the volcanics. The southern contact with the Intermediate Crystal Tuffs is difficult to define. It is