

98086

MBD 15

75.5m

(T.S. 32139)

This is an incipiently sheared and variably carbonated sericitic pelite. The rock is weakly carbonaceous and is laminated on a millimetric scale with an alternation of slightly and relatively strongly silty shale. Clastic components are splintery to angular quartz, relatively minor sericitised feldspar, accessory muscovite flakes and a sparse heavy mineral assemblage (sim. 98085 etc.). The shale component is random to incipiently orientated sericite.

Rare metasomatic particles of pale schorl are present. Crosscutting to conformable veinlets of ankeritic to sideritic carbonate are pervasive, with incipient replacement selvages of carbonate penetrating the very weak slaty cleavage. These features grade into coarse-grained ankerite veins with incipiently stressed, crudely comb-structured marginal zones.

98087

MBD 15

55.8m

(T.S. 32140)

This rock can be classified as a topazised porphyry. The relict fabric is fine-grained (strictly a porphyritic rhyolite), although a minor chilled intrusive origin is likely.

The rock contains disseminated quartz grains of relict phenocrystal habit (inverted beta, to 1.5 mm), disseminated fluorite, micro-crystalline topaz-sericite semi-pseudomorphs (to 1 mm) of phenocrystal feldspar, and occasional muscovite flakes which also appear phenocrystic. These features are enclosed in a microcrystalline groundmass of quartz (partly relict) and extensively sericitised topaz, with patchy fluorite and ankeritic carbonate. Irregular vug-like and crudely vein-like aggregates of quartz and fluorite with crude selvages of pyritised pyrrhotite occur sporadically. Accessories include rare microscopic clots of ?stannite, isolated grains of green schorl, and rare cloudy microscopic clusters of near-opaque ?rutile. This phase is included in ankerite and may in fact be cassiterite (or, alternately, mask minor traces of cassiterite). The optical distinction is tenuous under these conditions.

98088

MBD 15

58.4m

(T.S. 32141)

This is a tourmaline-muscovite-fluorite-ankerite rock of metasomatic character and with affinities to, for example, 98072.

The rock is crudely banded, consisting generally of pale bluish-green, semi-sericitic hydromuscovite and elsewhere of similar-coloured (but darker), random, fine to ultrafine, semi-massive schorl. The banding is enhanced by the distribution of polkittic aggregates and clots of ankeritic carbonate and fluorite (brownish in thin-section due to