

REPORT CMS 84/10/26

Petrological Descriptions

63877

(T.S. 51811)

This rock may be classified as a quartz-sericite rock and is of altered igneous character.

Major constituents are fine granular, weakly stressed quartz and pervasive quartz-intergranular films of semi- to sericitic white mica. The rock has a vague relict felsitic microtexture, carries evenly but thinly disseminated leucoxenised opaques, and rare, vaguely feldspar phenocryst-pseudomorphous lenses of sericite. General features are thus consistent with a thoroughly altered (silicified/sericitised) and weakly sheared glassy felsic intermediate-acid (?dacitic) volcanic. There are no tangible relict fragmental features.

Minor weakly stressed quartz veinlets, and the host rock, carry disseminations of fine-grained pyrite, supplemented by poikilitic clots of pale sphalerite and traces of supergene Cu-sulphide after fine to ultrafine chalcopyrite. Sulphides are locally oxidised to spongy masses of limonite and are generally evenly disseminated.

63878

(T.S. 51812)

This quartz-sericite rock is similar to 63877 to the degree that major features require no special comment. In comparison, this rock is weakly pyritic, but is devoid of sphalerite and Cu-sulphide, at least in the area sectioned.

The vague relict fabric is relatively heterogeneous, as reflected micro- and mesoscopically in sporadic discontinuous films of sericite and variations in the sericite/quartz ratio. These features partly reflect a vague relict perlitic devitrification cracking pattern. There is some evidence that this rock was primarily a lithic fragmental type, for example a tuff lava, but alteration and mild shearing effects obscure the textural detail.

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