

Elsewhere, as noted, the rock consists of more or less massive microgranular diopside aggregates, analogous to 00001, but relatively even-grained.

The relict banding is confused by two phases of veining, with highly discontinuous diopside veinlets locally transected and displaced by thin (max. 200  $\mu$ ), straight-walled veinlets of quartz, adularia and pale brown phlogopite with accessory fluorite. These features have narrow replacement selvages (to 750  $\mu$  wide), with diopside replaced by phlogopite and tremolite, and locally displace spongy clots and discontinuous films of pyritised pyrrhotite (sim. 00001).

Sn 14ppm; W 35ppm; Cu 13ppm.

00003

SMD 16

362m

(T.S., P.S. 32438) K-stain positive.

This banded skarn consists largely of coarse, granular grossular-andradite with accessory, closely intergrown vesuvianite and intergranular and included fine granular diopside. Sub- to millimetric-scale banding is reflected in the distribution of diopside, sporadic lenses of diopside and chloritised biotite and, elsewhere, in the distribution of accessory magnetite. Grainsizings are widely variable and the banding is clearly a relict feature (i.e. bedding), essentially planar, but locally mildly deformed.

Magnetite is largely restricted to granular diopsidic lenses, where it is of intergranular habit and is accompanied by thinly disseminated grains (mean 50  $\mu$ ) of pale (low Fe) sphalerite, partly as partial inclusions.

A second generation of finer (mean 20  $\mu$ ), sub- to euhedral magnetite is evident in chloritic replacement selvages, marginal to a semi-conformable 3 mm wide vein of K-feldspar (optically sanidine, with pervasive ultrafine Fe-pigmentation, pink in hand specimen), with accessory disseminations of fluorite and traces of chlorite, muscovite and sphene.

Adjacent to this feature, the Ca-Mg-Fe silicates are progressively chloritised. The fine magnetite is of banded distribution and appears to represent "exsolved" Fe from breakdown of the silicates. Similar, but finer, discontinuous, crosscutting veinlets occur elsewhere, but are generally devoid of alteration selvages. These features grade into microscopic films of chlorite and carbonate. Veins are mildly stressed.