

019

T8628 : altered two-pyroxene gabbro

This is a faintly laminated gray rock composed of plagioclase, clinopyroxene and ?anthophyllite pseudomorphs after orthopyroxene, with an average size of 0.5 mm. The grain shapes are lobate and have grain boundary intersections typical of high grade metamorphic rocks (granuloblastic).

The clinopyroxene is fresh and has thin exsolution lamellae of orthopyroxene, whereas the orthopyroxene is completely replaced by fibrous ?amphibole. Probable anthophyllite overgrowths of tremolite occur in some pseudomorphs. The plagioclase contains large flecks of white mica as well as finer sericite-clay aggregates in fractures.

Small aggregates of fine granular clinozoisite may be pseudomorphs after plagioclase. They enclose white mica in places. Minor patches of coarse chlorite, with prehnite on the cleavage planes, may be replacing biotite.

This is almost certainly a cumulus rock with sintered grain boundaries.