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T8637 : quartz-tourmaline rock
(?completely replacing a porphyritic
micro-granitoid rock)

This sample has coarse quartz patches to 5 mm in a matrix of finer quartz-tourmaline mosaic. Aggregates of coarser prismatic greenish tourmaline (40%), with some blue and brown tourmaline zones, and trace interstitial oxidised fine pyrite, occur in random patches.

The tourmaline masses are more ragged and irregular than those in sample T8636 and (?relict) textures suggest that they may be replacing biotite and/or hornblende aggregates. Some have amphibole-like outlines.

In a large patch the grain boundaries are permeated by limonite, seen as reddish-brown patches in hand specimen.

The gross texture (as seen petrographically and macroscopically) may be interpreted as an original porphyritic microgranitoid rock. In this rock the large quartz patches may be in part after feldspar, but the exact correlation between present and past mineralogy is obscure.