

T 29803 (T.S. 31162) K-stain positive.

5383 400N

382 370 E

FARM CREEK

This is a weakly altered and mildly stressed porphyritic quartz trachyte with similarities to T 29977. As previously, the term quartz trachyte is used to denote a felsic intermediate (as against rhyolitic) phase. Quartz is present in no more than accessory amounts and is restricted to the groundmass.

Plagioclase phenocrysts (incipiently saussuritised oligoclase-albite) are evenly disseminated as single (to 1.2 mm) to weakly clustered prismatic grains, accompanied by sparse, completely chloritised ferromag. phenocrysts. These are enclosed in an incipiently recrystallized groundmass of felsitic alkali feldspar, enclosing disseminated random albite microclaths and minor interstitial quartz. Accessories include leucoxenised opaques, relatively minor magnetite and rare apatite. Sparse amygdales (to 750 μ) consist of quartz, Fe-Mg chlorite and radiating acicular epidote in varying proportions.

This rock lacks extrusive features and may represent a minor intrusive phase.

T 29809 (T.S. 31163) K-stain positive.

5383 600N

382 685 E

FARM CREEK

This rock is closely related to 29803 and 29977 in terms of relict primary and secondary features, and is similarly classified as a porphyritic quartz trachyte.

Feldspar phenocrysts are slightly more abundant and slightly coarser than in the previous specimens, but otherwise similar, comprising weakly clustered, incipiently saussurite-stained prismatic oligoclase (near albite). These are accompanied by sparse chlorite-stained epidote pseudomorphs of phenocrystal ferromags and occasional quartz-epidote-chlorite amygdales in a typical weakly recrystallized, chlorite- and weakly epidote-stained felsitic alkali feldspar with minor accessory quartz, traces of magnetite, leucoxenised opaques and rare apatite.

This rock contains rare feldspathic xenoliths of cognate character. Correlation with 29803 and 29977 tends to be enhanced by the alteration epidote which occurs partly as radiating, chlorite-stained, acicular particles.

T 29810 (T.S. 31164) K-stain positive.

5383 600N

382 720 E

FARM CREEK

This is an altered, but essentially unstressed, porphyritic quartz trachyte or trachyandesite. The fabric is near-identical to that of 29803, 29977 and 29809, but slightly coarser-grained, and even more consistent with a minor intrusive phase.