

In common with the associated specimens, the rock contains abundant phenocrysts (so-called andesitic fabric) with typically altered plagioclase (mean 750μ) accompanied by subordinate uralitic tremolite-actinolite and epidote pseudomorphs after pyroxene. Occasional, similarly altered microdioritic cognate xenoliths are present. As usual, the groundmass consists essentially of microcrystalline (mean 10μ) feldspar, and the primary accessory assemblage consists of magnetite, leucoxenised opaques and rare smokey apatite.

The groundmass is perlitic-microtextured and is characterised by marked epidotisation. The epidote is cloudy, microcrystalline with a mean grain size about 5μ and preferentially replaces the perlite "cells". This rock has a very incipient tectonic fabric and this probably reflects its relatively competent, strongly epidotised nature.

38529

S 372 300N

382 710 E

Sect Follow-up
Oxid.

(T.S. 31988) K-stain positive.

This relatively sheared porphyritic trachyandesite is weakly quartz-microamygdaloidal. It carries sporadic lava clasts (to 1.5 mm) in addition to cognate xenolithic microdiorite fragments and thus trends towards a tuff lava. A deformed, fine-scale perlitic devitrification structure is evident and, in common with 29886, 38501 and 38511, the fabric is somewhat pseudofragmental in response to shearing.

The phenocrystal assemblage and accessories are typical and require no special comment. Feldspar phenocrysts are altered to epidote-stained albite-pseudomorphs (150μ - 1.5 mm) and pyroxene to uralitic amphibole aggregates. Thinly disseminated clear albite grains probably represent inverted albitised sanidine, but shapes in this case are not particularly diagnostic.

The altered groundmass contains ?albite microlites embedded in felsitic anhedral K-feldspar and is pervasively stained with ultrafine cloudy epidote and (orientated) chlorite. Minor traces of pyritised pyrrhotite are associated with late conformable fractures.

29878

S 371 900N

302 630 E

Sect Follow-up
Oxid

(T.S. 31989) K-stain virtually negative.

This altered and sheared porphyritic andesite can be contrasted with the associated specimens in being devoid of recognisable altered ferromags. Thus, it can be classified as a leuco-andesite.

Abundant plagioclase phenocrysts are represented by albite-epidote aggregates (mean 500μ) with minor accessory quartz. These are more or less evenly disseminated throughout a chlorite-stained, weakly directed, microgranular, feldspathic groundmass with a faint relict perlitic devitrification structure.