258086

CENTRAL MINERALOGICAL SERVICES 081

Sample No.	Rock Type - Composition	Fabric	Minor Minerals	Comments
A6484	Tonalite. Fairly closely-packed phenocrysts of partly argillised andesine, partly uralitised augite; medium-grained interstitial granular quartz (20 %), K-feldspar (10 %).	Phenocrysts up to 5 mm. Random orientation. Groundmass averages 0.3 mm grainsize.	Conspicuous primary magnetite. Secondary chlorite and epidote. Apatite.	Quite possibly a hybrid rock, composed of a coarse gabbroic assemblage and a late, finer-grained granitic assemblage. Overall composition is tonalitic.
A6490A	"Crystal Tuff". Composed mainly of subangular oligoclase-andesine fragments, with minor rounded quartz, lithic grains (rhyolite cp. A6478, others), augite; chloritised throughout.	Closely-packed; well-sorted, but lithic grains generally coarser. Weakly bedded.	Fine pale green clinozoisite throughout. Detrital, leucoxenised opaques.	May not be a true tuff, but rather reworked material, i.e. volcanomict sandstone; main source was rock similar to A 6484.
A6491A (T.S. 48793)	Altered Porphyritic ?Andesite. Phenocrysts of andesine, augite, chloritised ?orthopyroxene or olivine, in a very fine cloudy felsitic groundmass (now secondary quartz).	Some flow-orientation of phenocrysts and groundmass. Phenocrysts are corroded.	A few strongly corroded quartz phenocrysts or xenocrysts. Leucoxenised oxide opaques.	Believed to be a hybrid rock, perhaps extrusive, composed of mafic and intermediate/acid assemblages (cp. A6484). Deuterically altered.