

<u>Mineralogy (cont.)</u>	<u>Fragments</u>	<u>Mineralogy</u>
10) <u>Acid volcanics</u> varying from occasional to scattered quartz phenocrysts.	1	
Quartz phenocrysts		to 10
K feldspar		0-70
Chlorite		balance

Texture: Drill fragments vary in size from 0.2 to 3.5 x 2.5 mm, median size 0.4 mm, and are fairly evenly distributed in a medium of clear blue araldite.

Fragments:

Type 1. 'Fresh' basalt. An intergranular texture of fresh labradorite plagioclase as random intergrowths of elongate fine laths (0.05 x 0.015 mm varying to 0.45 x 0.05 mm) with mostly weak albite twinning though a number show sharp twinning. The plagioclase composition varies from An₄₀ to An₅₅. Interstitial pigeonite (0.02, 0.016, 0.03 x 0.08 mm) is as subhedral prisms and cross sections. Augite(?) (0.4, 0.2 mm) euhedral shapes where present are altered to felts of olive-green chlorite or less commonly occur as fresh grains.

Magnetite occurs as very fine interstitial granules (~ 0.002 mm).

Type 2. Much chloritised basalt. As for Type 1 basalt but with strong chloritisation of all melanocratic minerals and in places plagioclase is also affected.

Type 3. Completely chloritised basalt may show partial carbonatisation of mainly phenocrysts. Also several completely chloritised basalt grains show clustered leucoxene granules within chloritised augite phenocryst shapes.