

THIN SECTION LABEL ID: **376-U1529B-1R-1-W 25/27-TSB-TS_41**

TS no.: 41

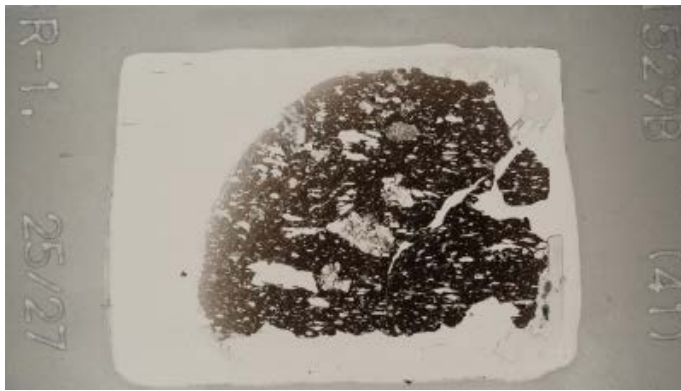
Description Group**Summaries****Igneous petrology:**

Unaltered plagioclase-pyroxene phyric dacite lava contains several up to 5 mm large cumulates. The groundmass has a trachytic texture with flow banding and is microcrystalline with 45 vol% plagioclase, 30 vol.% glass, 3 vol.% clinopyroxene and 2 vol.% Fe-Ti oxides, mainly magnetite. Plagioclase occurs as microlites and as up to 1.5 mm large pheno- or antecrysts. Accessory minerals include orthopyroxene and monosulfide solid solutions (MSS). About 10 vol % of the dacite are made up by crystal cumulates composed of plagioclase (70 vol.%), clinopyroxene (20 vol.%), Magnetite (3 vol.%) and interstitially holohyaline glass (7 vol.%). 10 vol.% of the rock are made up by subrounded, elongated vesicles ranging in size from 0.02 to 5 mm (mode: 0.2 mm).

Structure:

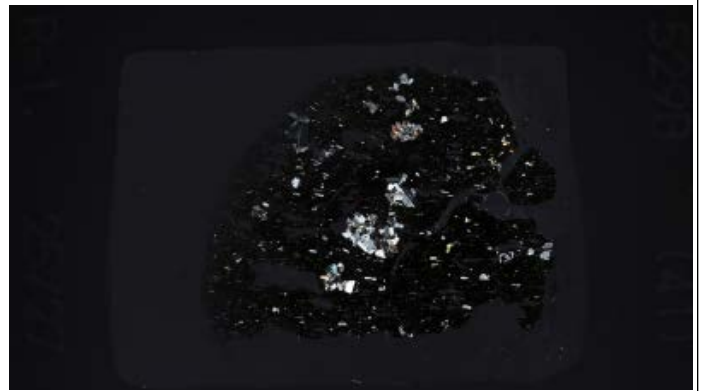
Volcanic fabric defined by vesicles, microlites, and some phenocrysts of both plagioclase and clinopyroxene. Crystals are not aligned when they occur in glomeroclasts, but some glomerocrysts are aligned in the foliation. Unoriented piece.

Plane-polarized



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Cross-polarized



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