

749019

S734 Primary Features: Grains of feldspar which may be phenocrysts are set in a fine-grained groundmass bearing accessory zircon.

Secondary Features: The (?) phenocrysts have been replaced by K-feldspar, chlorite and (?) rutile. The groundmass consists of a fine-grained intergrowth of irregular quartz-feldspar grains and a little scattered chlorite and sericite. There are a few patches of coarse-grained chlorite with brown pleochroic haloes about small grains of high relief (monazite?). A little rutile is scattered throughout.

The specimen is cut by a band of brecciation from which emanate stylolitic veinlets and planar veinlets of sericite \pm chlorite. The filling material of the breccia is more chloritic than the rest of the rock.

The chlorite has P: green to straw yellow; AIC: yellow on grey.

S732 Primary Features: A few feldspar phenocrysts (much replaced) are set in a fine-grained groundmass.

Secondary Features: The feldspar phenocrysts are replaced by (?) K-feldspar, sericite and hematite-magnetite. The groundmass consists of a fine-grained intergrowth of very irregular quartz-feldspar grains containing abundant euhedra of magnetite, chlorite and a little rutile. The chlorite is concentrated in veins and patches, and has P: blue-green to pale yellow, AIC: salmon to purple. Sericite occurs as veins, patches and scattered crystals. The specimen is cut by a quartz + chlorite veinlet.

Footwall Quartz + Sericite \pm Chlorite Zone

S730 Outcrop: Green phyllosilicate-rich schist.

Primary Features: Accessory zircon and apatite are preserved.

Secondary Features: The rock consists largely of quartz-feldspar, sericite, chlorite and lesser rutile, and is foliated. Patches rich in each mineral occur. The chlorite has P: green to yellow; AIC: blue-green to yellow-green on grey.

Identification: A quartz-feldspar + phyllosilicate schist, origin obscured.

HOST HORIZON

S719 Outcrop: Resistant, sheared pyroclastic rock, grey-white and sericitic.

Primary Features: Plagioclase grains, and possibly some primary quartz grains occur with minor zircon in a matrix of generally finer grain size.

Secondary Features: The plagioclase grains bear calcite and sericite as replacements. The matrix consists of fine-grained quartz-feldspar, sericite, calcite, chlorite and obscure opaque grains, and is foliated. The chlorite has P: green to pale yellow; AIC: none (grey).

Identification: This may be reworked pyroclastic material, and is probably part of the host horizon.