

LOCATION: ~~East Kimberley~~ Thunderball Extended Trench 1

SAMPLE TYPE: Rock Chip

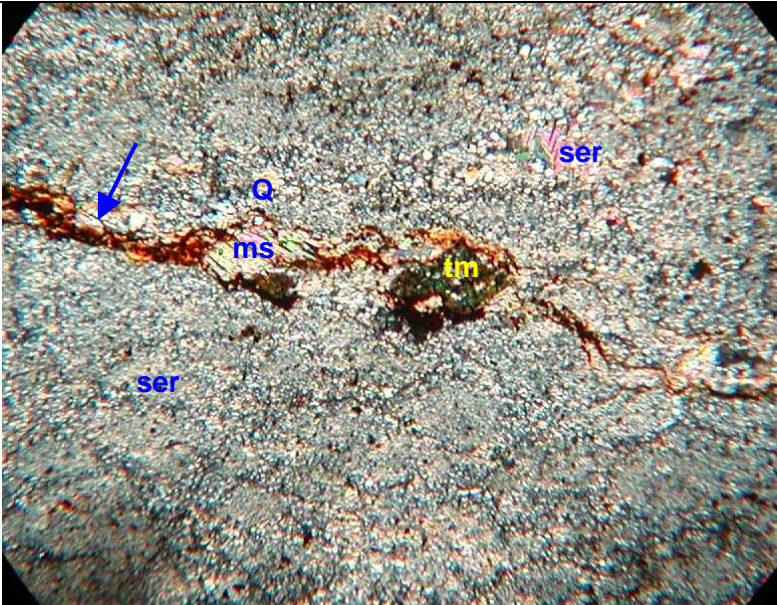
SECTION TYPE: Thin Section

FIELD IDENTIFICATION: Altered – sericitised felsite.

DESCRIPTION: Occasional relict quartz clasts occur in pervasively altered matrix. The matrix comprises microcrystalline quartz associated with scaly sericite. Coarser grained platy muscovite aggregates occur as lenses aligned parallel to a weak schistosity and may have replaced original feldspar clasts. Fine scaly sericite aggregates occur in the matrix and have replaced an original feldspathic component. Limonite has highlighted an anastomosing schistosity. Poikiloblastic tourmaline and platy muscovite can be concentrated in stylolite veins that broadly parallel to the schistosity.
Thin veins comprise anhedral quartz and are oblique to the schistosity.

In reflected light, leucoxene is apparent in reflected light. The assemblage lacks relict sulphides.

CLASSIFICATION: *Pervasively hydrothermally altered (sericite) felsic tuff. Tourmaline and platy muscovite represent metasomatic phases.*



Sample TK 650406
Relict quartz (Q) clasts occur in a sericitised (ser) felsite host. A stylolite vein (arrowed) is associated with platy muscovite (ms) and poikiloblastic tourmaline (tm). Crossed polars. Field of view – 3 mm.
