

0414

SAMPLE NUMBER: 431550**SUMMARY:**

This is an intensely sericite-silica-altered sparsely plagioclase-phyric formerly glassy dacitic lava breccia with quartz-chlorite veinlets post-dating the sericite-quartz alteration.

HAND SPECIMEN:

This is a mid-grey strongly sericite-altered felsic lava or lava breccia.

THIN SECTION:

This is an intensely altered and recrystallized felsic lava breccia with few traces remaining of the original texture. Only rather abrupt textural variations in the style and extent of alteration and recrystallization of the groundmass allow identification of this sample as a lava breccia. The few areas of the sample where sericite-quartz alteration has not obliterated the texture indicate that this was a very sparsely plagioclase-phyric dacite lava breccia.

The groundmass of this rock has recrystallized entirely from glass to a heterogeneous but fine-grained mixture of saccharoidal quartz and dirty brown sericite. Some fragments have less sericite and coarser-grained quartz, and more Fe oxide granules through the quartz. The sample is cut by intersecting and meandering quartz-chlorite veinlets without associated pyrite.