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clearly much more intensely sericitized, with coarser grained saccharoidal quartz between the dense sericitic mesh. Sericite also occurs as dense streaks some 2-5mm wide that may define margins of some lava fragments. Pyrite occurs as quite common disseminated grains and grain aggregates with grain size up to about 0.6mm across. A few veinlets of fibre calcite cut the sample.

SAMPLE NUMBER: 431548

SUMMARY:

This is a strongly recrystallized silica-sericite-altered formerly glassy sparsely feldspar+quartz-phyric rhyolitic lava.

HAND SPECIMEN:

This is a massive, uniform-textured almost aphyric pale grey dacitic lava.

THIN SECTION:

This sample is clearly a strongly recrystallized formerly glassy dacite lava with a few plagioclase and quartz phenocrysts. The former feldspar phenocrysts are less than 1mm long and totally sericitized. The few small quartz phenocrysts are strongly rounded and blend marginally into quartz in the altered groundmass. FeTi oxide microphenocrysts are altered to leucoxenic material, with opaque granular margins and sericite-quartz cores.

The groundmass of this sample is quite strongly recrystallized from what was almost certainly devitrified glass. It is composed of granular quartz averaging around 0.1-0.2mm across with interstitial sericite pervading this matrix as an orientated meshwork. Chlorite is rare in this sample, calcite also, and pyrite is present only as a few small grains.

This is a strongly recrystallized silica-sericite-altered rhyolitic lava.