

**SAMPLE NUMBER: 431560**

**SUMMARY:**

**This is a strongly recrystallized formerly glassy, sparsely plagioclase+augite-phyric andesitic lava with intense silica-chlorite  $\pm$  pyrite alteration of the glassy groundmass. The original rock was very similar to 431557.**

**HAND SPECIMEN:**

**This is a very strongly chlorite-silica altered andesitic lava or lava breccia.**

**THIN SECTION:**

**This sample was originally a sparsely plagioclase+augite-phyric andesitic lava with a slightly vesicular glassy groundmass. Former plagioclase phenocrysts are small and occur as single crystals less than 1mm long; some are albitized and others are sericitized; they originally made up less than 5 modal% of this rock. Former small augite phenocrysts were much less abundant than feldspar phenocrysts and are all altered to chlorite. Former FeTi oxide microphenocrysts have broken down to very fine-grained aggregates of leucoxenitic material.**

**The formerly glassy, weakly vesicular groundmass of this lava has altered to a variably coarse-grained, heterogeneous intergrowth dominated by chlorite and secondary quartz. Sericite is developed in abundance locally, but does not form a meshwork through the rock as in many of the other samples described herein. Vesicles make up only 1-2 modal% of the rock and are filled by coarse-grained secondary quartz. Similar strained coarse-grained quartz forms disrupted veins through the sample. Small grains of disseminated pyrite are present through the rock, but not common.**

**SAMPLE NUMBER: 431561**

**SUMMARY:**

**This is a formerly glassy sparsely plagioclase-phyric dacitic lava in which the glassy groundmass has altered to silica-sericite  $\pm$  pyrite.**

**HAND SPECIMEN:**

**This is a massive cream coloured dacitic lava with some zones of more intense silicification of the originally glassy groundmass. It contains quite common disseminated pyrite.**