

SAMPLE NO: "B"

IDENTIFICATION: ANDESITEPETROGRAPHIC REPORT

CLASSIFICATION: Igneous Volcanic

TEXTURE: Porphyritic with a pilotaxitic matrix.

CHIEF MINERALS: Sericitized feldspar; chlorite-epidote after a ferromagnesium mineral; minor pyroxene.

ACCESSORY MINERALS: Chlorite; hematite-limonite; magnetite.

COMMENTS: The feldspar laths of the matrix show some flow texture. The chlorite-epidote alteration is after a pyroxene (relict shape) and one small piece of pyroxene is evident. These facts together with the absence of quartz indicate that this rock is an andesite.

HAND SPECIMEN FIELD DESCRIPTION

This specimen has been described as "syenite porphyry" or "porphyrite" in early literature describing the King Gold Mine. Darkgreen hand rock. Phenocrysts of irregular feldspar with lapilli of chlorite. Some feldspar replaced by limonite.