

025

771026

SAMPLE NO: "D"

IDENTIFICATION: SHEARED ANDESITE

PETROGRAPHIC REPORT

CLASSIFICATION: Igneous volcanic.

TEXTURE: Brecciated phenocrysts in an altered matrix with some flow texture.

CHIEF MINERALS: Pyroxene; minor quartz; feldspar altering to tremolite.

ACCESSORY MINERALS: Epidote; chlorite; tremolite; pyrite; magnetite.

COMMENTS: This rock has been sheared and the phenocrysts are brecciated. Alteration (with the introduction of epidote and chlorite) has accompanied the shearing. Conversion of the feldspar to tremolite is also a result of the shearing and alteration.

HAND SPECIMEN FIELD DESCRIPTION

Dark green, hard rock. Some shearing apparent. Epidote and a whitish alteration mineral occur as a result of the shearing. Yellowish metallic mineral (chalcopyrite or pyrite) observed in occasional epidote crystal.