

040

771041

SAMPLE NO: "S"

IDENTIFICATION: WEATHERED
CRYSTAL TUFF

PETROGRAPHIC REPORT

CLASSIFICATION: Pyroclastic.

TEXTURE: Crystal and rock fragments in a felsitic and partly silicified matrix.

CHIEF MINERALS: Kaolinized feldspar; quartz; minor pyroxene.

ACCESSORY MINERALS: Magnetite; hematite; chlorite, epidote; kaolin; sericite as alteration products; limonite.

COMMENTS: This rock is transitional between the andesitic types and the dacitic variant I. Pyroxene is less common and quartz more so. The presence of kaolin (in this instance) and hematite-limonite may indicate both surface weathering and hydrothermal alteration.

HAND SPECIMEN FIELD DESCRIPTION

Darkgreen, hard rock with a variety of sizes of plencrysts set in a finegrained, siliceous? matrix. Large fragments tend to be strongly kaolinised feldspar, and smaller fragments are predominantly quartz. Abundant magnetite. Yellow to brown limonite disseminations are common.