

CENTRAL MINERALOGICAL SERVICES PTY. LTD.

Date 1st May, 1980

SAMPLE REPORT (Mineralogy, Petrology, Ore Microscopy)

IDENTIFICATION
33065T
Rhyolitic Lava-Breccia NPP215 125.5m

Job No. CMS 80/4/24 Date Received: 24.4.1980Reference Order No. 900144Sample No. 33065TNature of Sample: D.D. CoreDESCRIPTION SECTION No. 31450

a. Hand Specimen:

Pale, fine-grained, brecciated felsic rock;
K-stain test positive.

b. Microscopic:

This is a brecciated rhyolite or quartz-trachyte, and closely resembles the other rocks in this group; the rock is fairly extensively argillised/sericitised and silicified.

The rock consists of large and small, irregular, angular fragments of the same type, separated by sheared, mylonitised and sericitised equivalents. Individual fragments consist of small, relatively fresh albite phenocrysts, randomly set in a groundmass of fine quartz patches and interstitial, partly sericitised K-feldspar and/or K-silicate glass. In places, the relict textures suggest abundant glass, possibly scoriaceous or even fragmental, and the fabric as a whole could well be due to flow-brecciation (together with incorporated fragments); this, in turn, suggests that the rock may well be a lava breccia, i.e. composed of lava fragments cemented by lava. Sericitisation of parts of the rock has obscured some critical details.

Sericite veinlets traverse the rock and carry small amounts of fine pyrite. Patches of carbonate have formed sporadically, together with mosaic quartz.

Apart from close compositional similarities between all these rocks, most are regarded as intrusive, but 33063T and 33065T are very probably extrusive.

H.W. Fander, M. Sc.