67719 FINE-GRAINED IMPACT MELT 2.13 g

INTRODUCTION: 67719 is a coherent, subrounded, homogeneous and fine-grained breccia which is partly coated with white powder (Fig. 1). It is an impact melt. It is a rake sample collected halfway between the White Breccia boulders and House Rock, and lacks zap pits.

FIGURE 1. Smallest scale division in mm. S-72-51248.

PETROLOGY: 67719 consists of about 15% rounded plagioclase clasts embedded in a pale-brown matrix of plagioclase laths and fine clastic material (Fig. 2). Plagioclase laths, mainly about 50 μ m long, are oriented generally in the same direction. The melt has little mafic material and mafic clasts are extremely rare: about 95% of the rock is plagioclase. Troilite and Fe-metal are present. The plagioclase clasts are unshocked and many have thin (10 μm) overgrowth rims.

PROCESSING AND SUBDIVISIONS: A single chip was removed for thin section ,1.

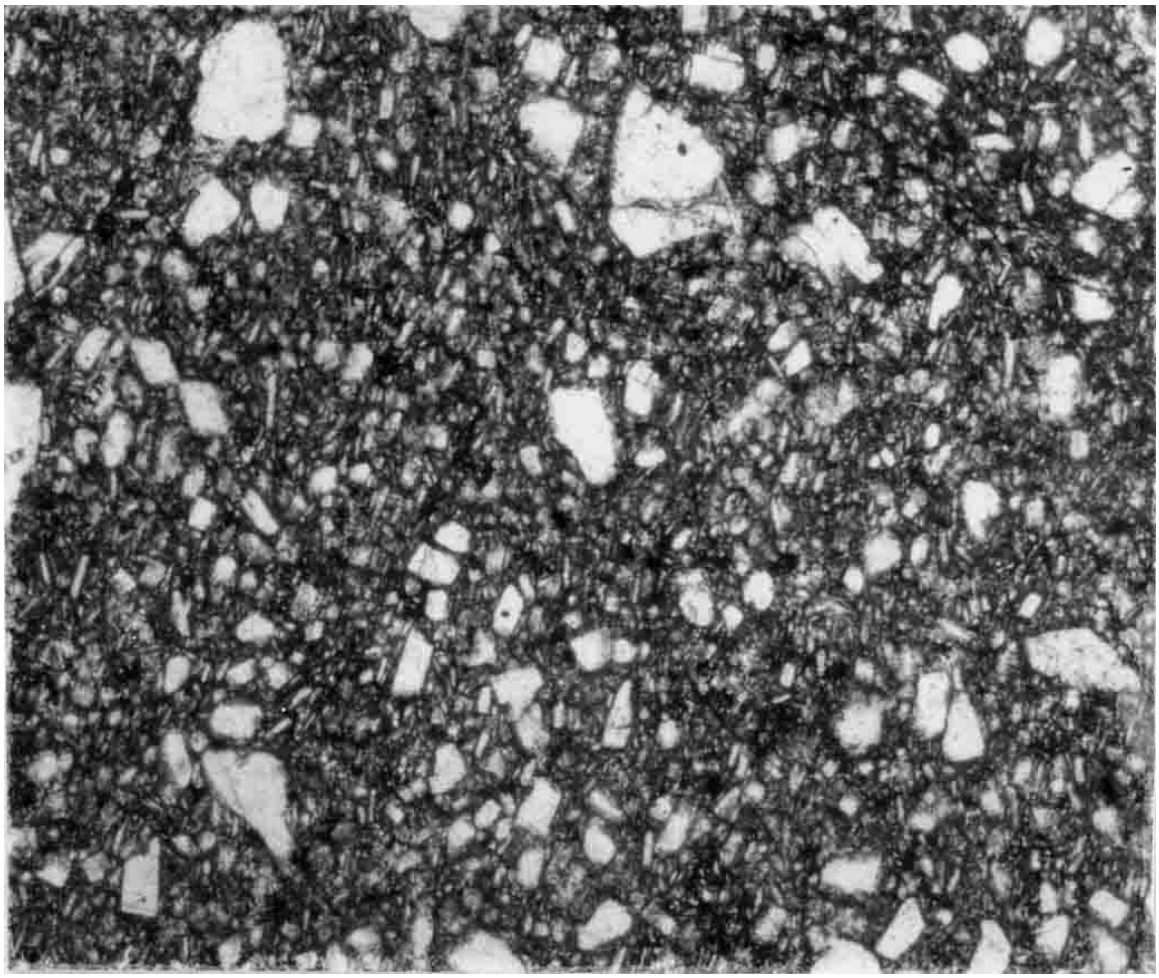

FIGURE 2. 67719,1. General view, ppl. Width 2 mm.