

67718 FINE-GRAINED IMPACT MELT AND
FRAGMENTAL (?) BRECCIA

41.05 g

INTRODUCTION: 67718 consists of a core of coherent, dark, fine-grained breccia with a thick rind of a pale-colored, polymict breccia (Fig. 1). The dark breccia is an impact melt. It is a rake sample collected halfway between the White Breccia boulders and House Rock and has a few zap pits.

PETROLOGY: The pale-gray material does not occur in the thin section (,1). The dark breccia is a heterogeneous, polymict, brown and fine-grained impact melt (Fig. 2). Clasts are seriate down to extremely small sizes (few microns) and are bonded by about 35% cryptocrystalline mortar; only about 10% of the breccia consists of grains larger than 100 μ m. Most clasts are plagioclase, and among the small clasts, mafic minerals are extremely rare .



FIGURE 1. Smallest scale division in mm. S-72-51242.

PROCESSING AND SUBDIVISIONS: Small chips were taken to make thin section ,1.

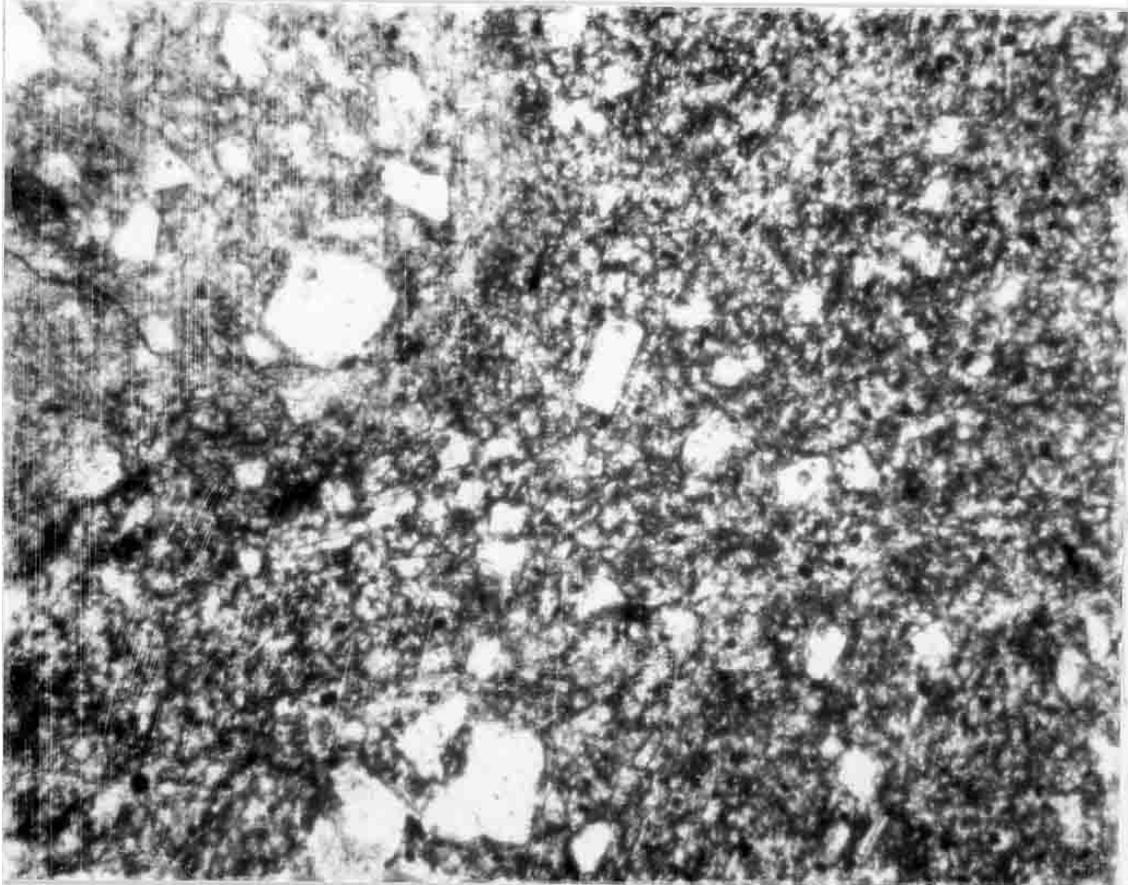


FIGURE 2. 67718,1 . General view, ppl. Width 2 mm.