

INTRODUCTION: 67648 is a coherent, polymict breccia with a pale colored matrix (Fig. 1). The matrix is extremely fine-grained (~60% of the rock is grains less than 5 μm). It is a rake sample collected 30 m east of the White Breccia boulders, and has a high density of zap pits on half its surface.

PETROLOGY: Steele and Smith (1973) refer to 67648 as a dark “lithified soil breccia.” It is heterogeneous, dark, and polymict, and most material is extremely fine-grained (Fig. 2). The lithic clasts and the matrix have similar textures, and in transmitted light the distinction of some of the lithic clasts from the matrix is difficult. While most of the matrix is finely divided or even glassy, the vesicular glasses which are characteristic of regolith are absent. Some very tiny clasts are clear glass.

PROCESSING AND SUBDIVISIONS: A chip was removed, and thin section ,1 made from it.



FIGURE 1. Smallest scale division in mm. S-72-51268.

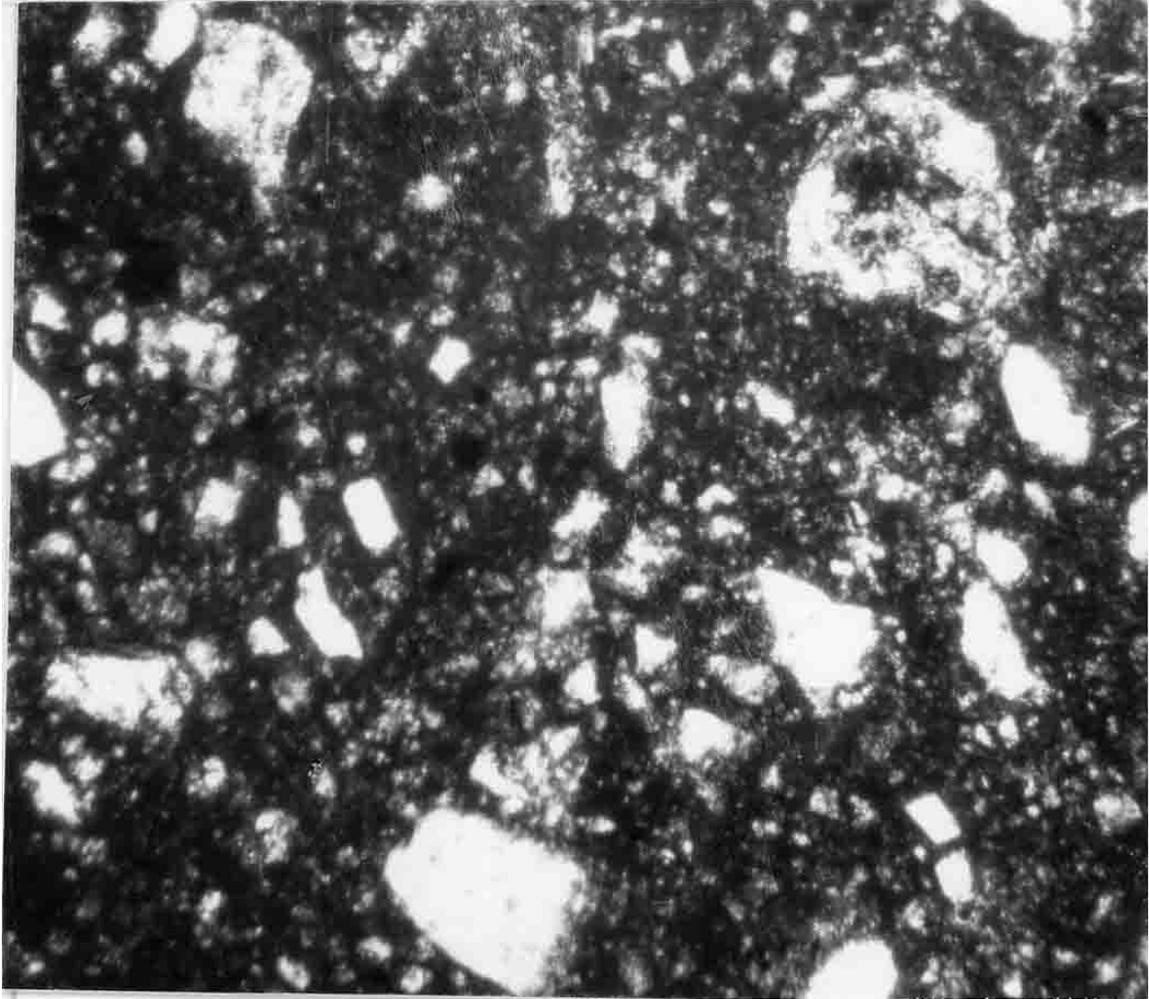


FIGURE 2. 67648,1. General view, ppl. Width 2 mm.