

INTRODUCTION: 63528 is a dark, homogeneous, coherent, fine-grained impact melt (Fig. 1). It is a rake sample and has zap pits.

PETROLOGY: 63528 is a brownish fine-grained impact melt with a seriate size distribution of clasts down to very tiny (Fig. 2). The clasts are almost all unshocked plagioclases with rounded corners; a few have flame-textures. Lithic clasts are uncommon but include basaltic impact melts and brownish devitrified (?) spherules. The melt matrix has a few plagioclase laths (up to 100 μm long) and is more mafic than the clast population. It contains very little Fe-metal or other opaque phases. Phinney et al. (1976) in a SEM study, note that the matrix lacks glass, contains about 5% vugs and vesicles, and consists of subhedral plagioclases up to 10 μm and anhedral low-Ca pyroxene up to 2 μm across.

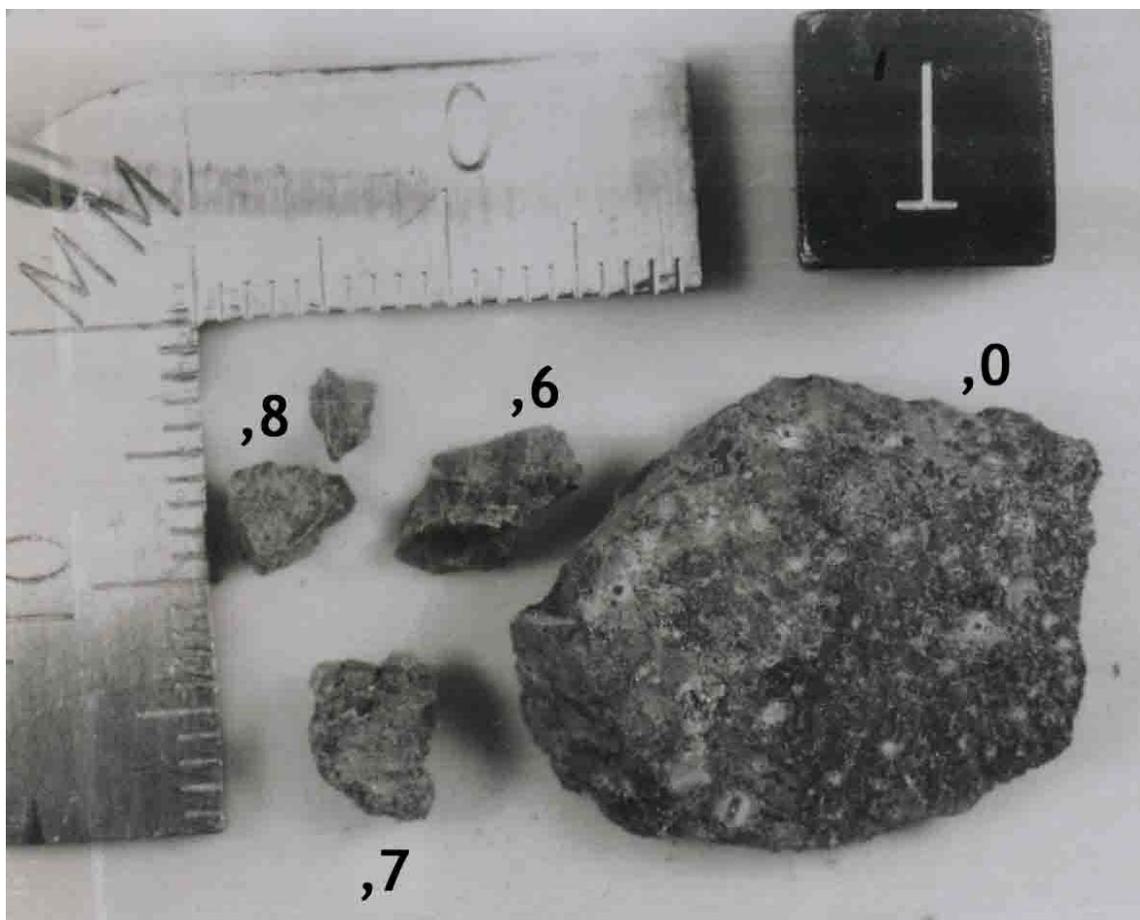


FIGURE 1. Smallest scale division in mm.

PROCESSING AND SUBDIVISIONS: Several small chips were removed (Fig. 1) and ,6 was made into thin sections ,10 - ,13.

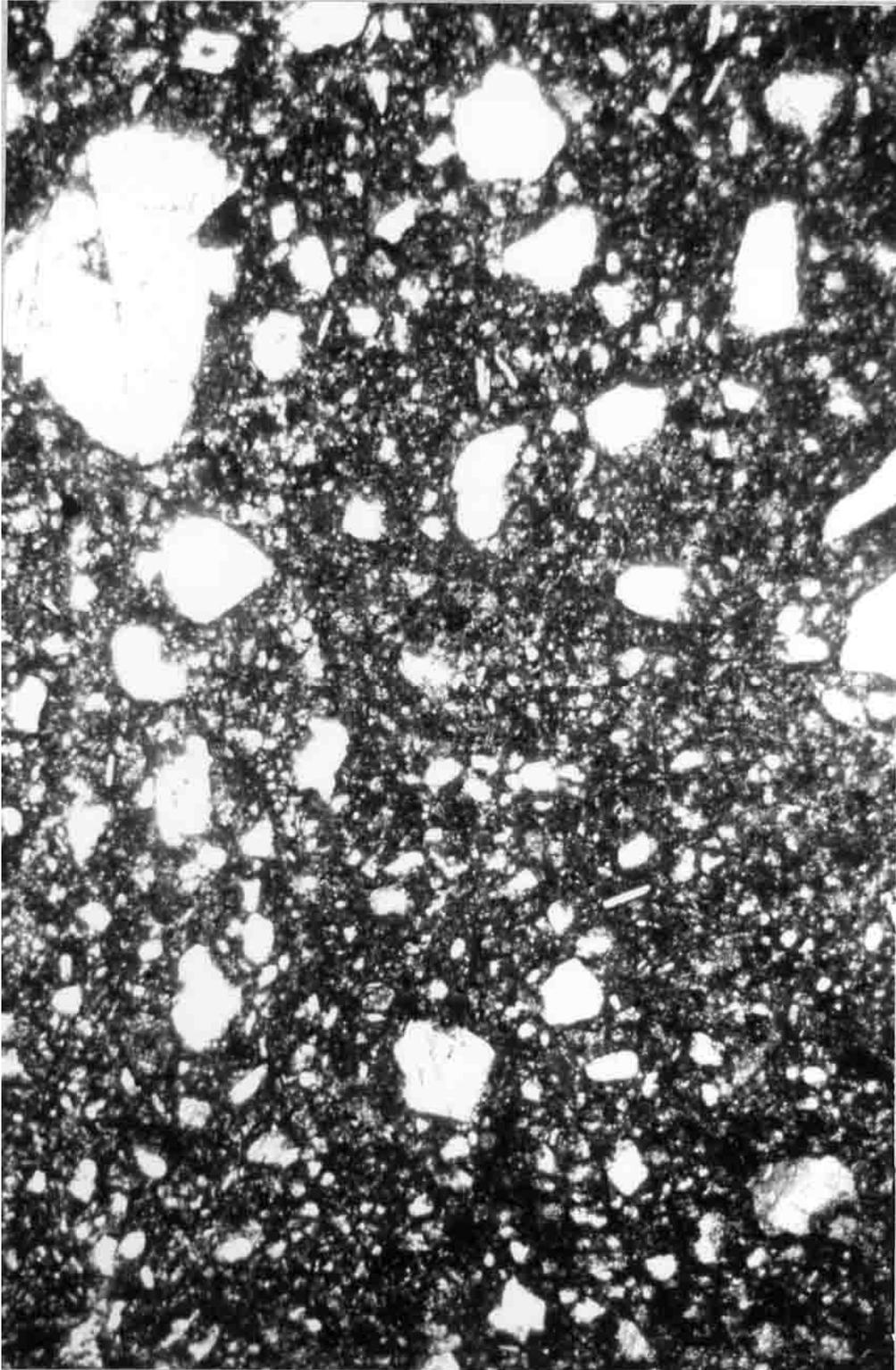


FIGURE 2. 63528,12, general view, ppl. Width 1.5 mm.