

INTRODUCTION: 63555 is a pale-colored, coherent, fine-grained crystalline rock (Fig. 1). It is a clast-rich impact melt. It is a rake sample with a thin, dark clastic (?) coat.

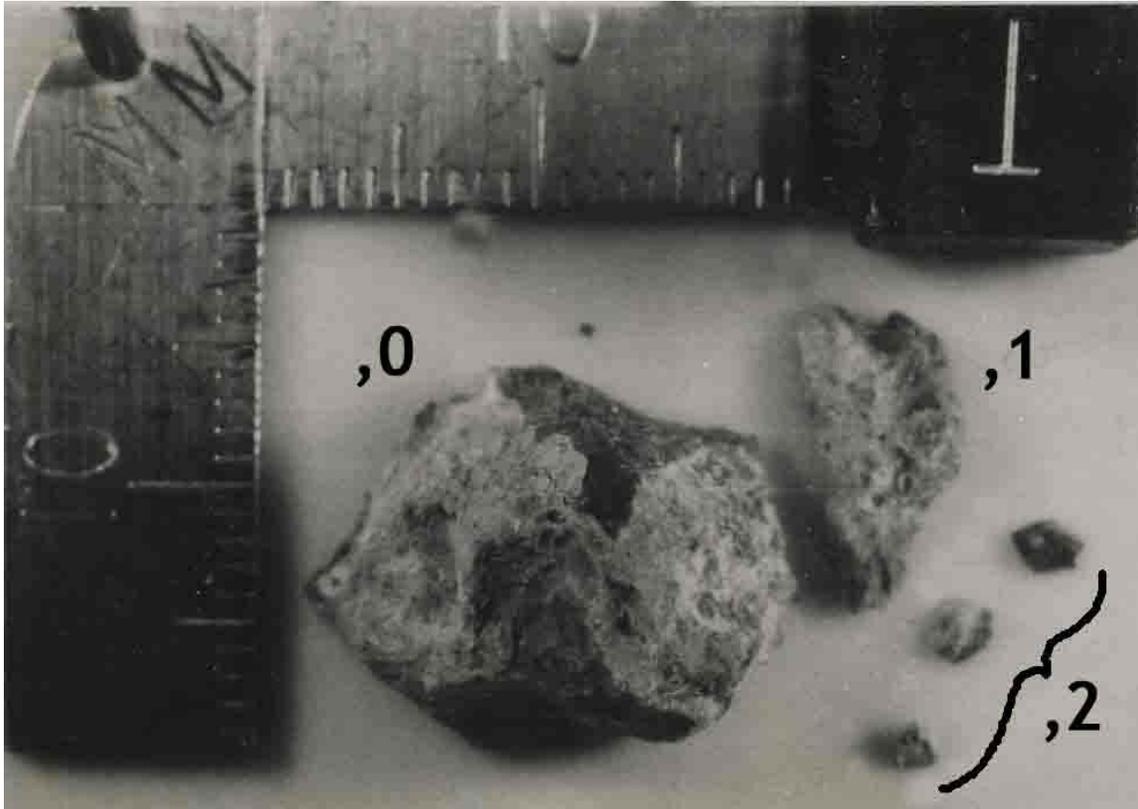


FIGURE 1. Smallest scale division in mm.

PETROLOGY: 63555 is a fine-grained, brownish impact melt which is fairly heterogeneous (Fig. 2). It contains numerous plagioclase and lithic clasts which are angular with rounded corners, with a seriate size distribution. The melt phase is more mafic than the clast population. The lithic clasts include small feldspathic granoblastic impactites and spherulitic impact melts (Fig. 2). According to an SEM study by Phinney et al. (1976), 63555 contains no glass and has 5% vesicles; the matrix consists of plagioclases up to 10 μm across and orthopyroxenes up to 2 μm .

PROCESSING AND SUBDIVISIONS: A single chip (,1) was used to make thin sections ,6 and ,7.

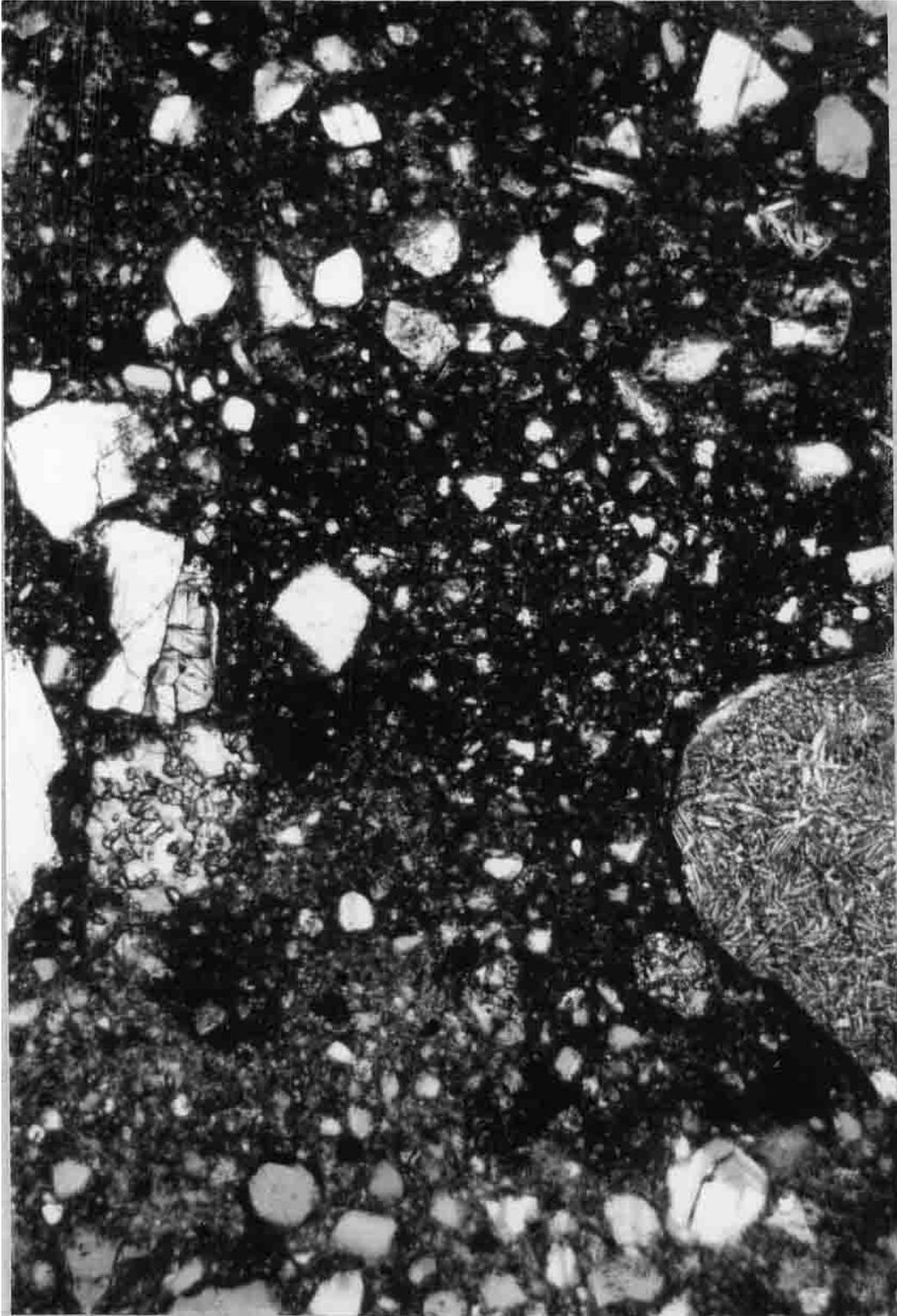


FIGURE 2. 63555,7, general view, ppl. Width 2 mm.