

INTRODUCTION: 63597 is a porous, coherent, gray poikilitic impact melt (Fig. 1). It is a rake sample with a few zap pits.

PETROLOGY: 63597 is an extremely vesicular poikilitic impact melt (Fig. 2). Mafic oikocrysts (~300 μm diameter) enclose plagioclase crystals which are extremely elongate compared with the stubby crystals in most poikilitic impact melts. The texture is fairly variable from place to place. Abundant fragments of plagioclase and some lithic fragments are present.

PROCESSING AND SUBDIVISIONS: Thin sections ,3 and ,4 were cut from a single representative chip.



FIGURE 1. Aluminum cup bottom is 2 inches in diameter. S-72-42082.

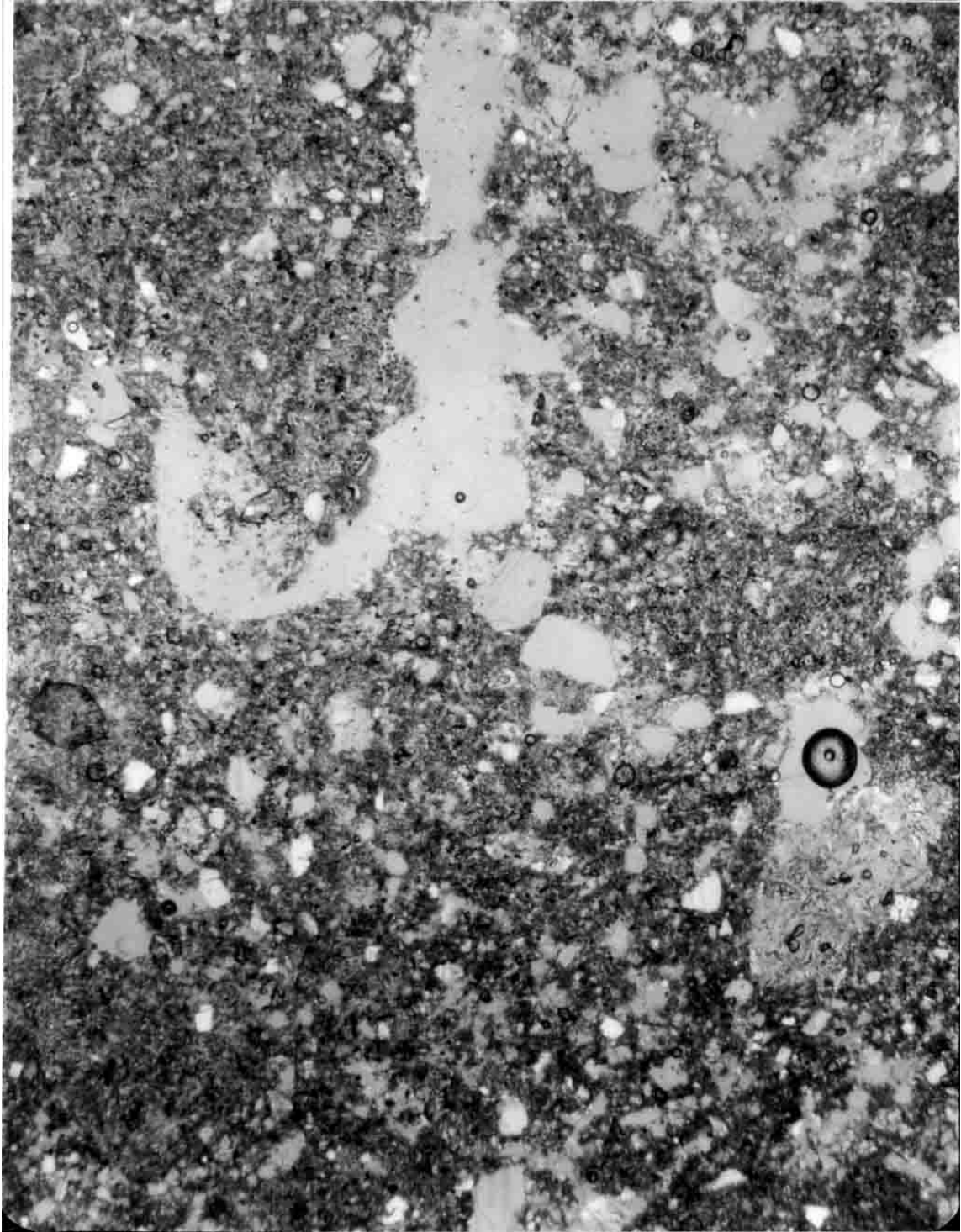


FIGURE 2. 63597,4, general view, ppl. Width 2 mm.