

INTRODUCTION: 68525 is a fine-grained, poikilitic impact melt. It is dark gray, angular, and vesicular (Fig. 1). It is a rake sample and has many zap pits on one surface; the other side is broken.

PETROLOGY: Steele and Smith (1973) refer to 68525 as a “plagioclase-rich breccia; matrix of poikilitic pyroxene.” It is homogeneous with stubby, $\sim 30\ \mu\text{m}$ plagioclase chadacrysts enclosed in 200-300 μm mafic oikocrysts (Fig. 2). Many of the oikocrysts are composite—olivine or clinopyroxene with low-Ca pyroxene. Interoikocryst areas consist of ilmenite (or armalcolite), phosphates, Fe-metal, and glass. No lithic clasts are present in thin section, but about 20% of the area consists of plagioclase fragments (Fig. 2). One other fragment is a pink spinel.

PROCESSING AND SUBDIVISIONS: A single representative chip was made into thin section, 1.



FIGURE 1. Smallest scale division in mm. S-72-51255.

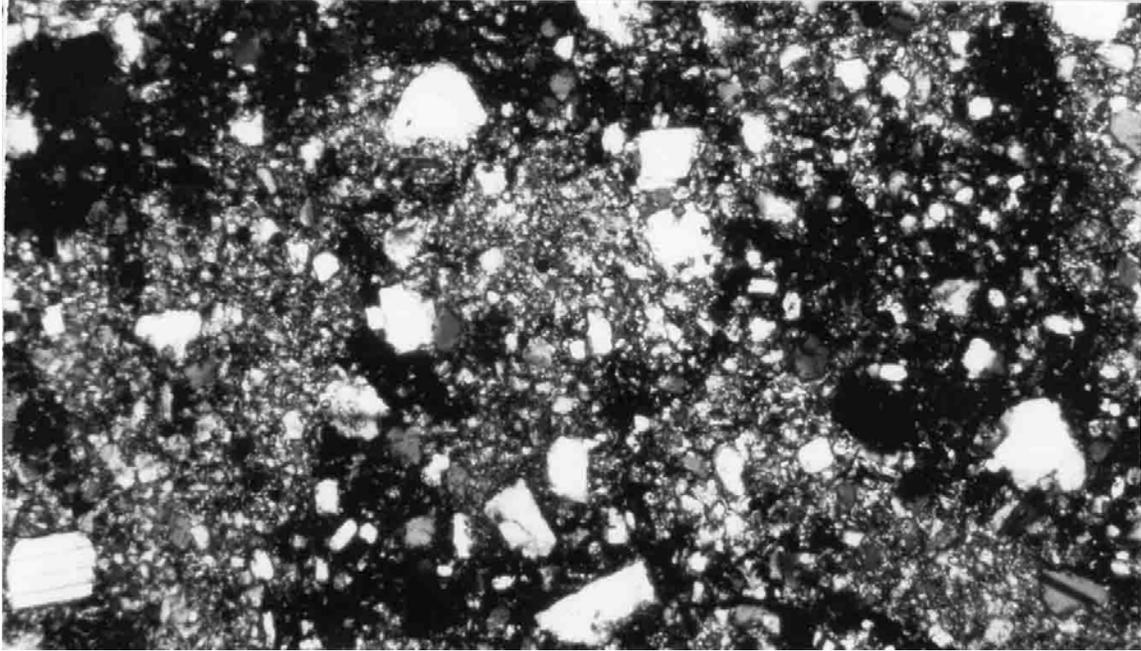


FIGURE 2. 68525,1, xpl. Width 3 mm.