

INTRODUCTION: 61546 is a coherent, dark gray, glassy impact melt with several large white clasts (Fig. 1). Vesicles account for ~25% of the dark matrix. This is a rake sample collected about 45 m northeast of Plum Crater. Zap pits are abundant on One surface, absent on other surfaces.

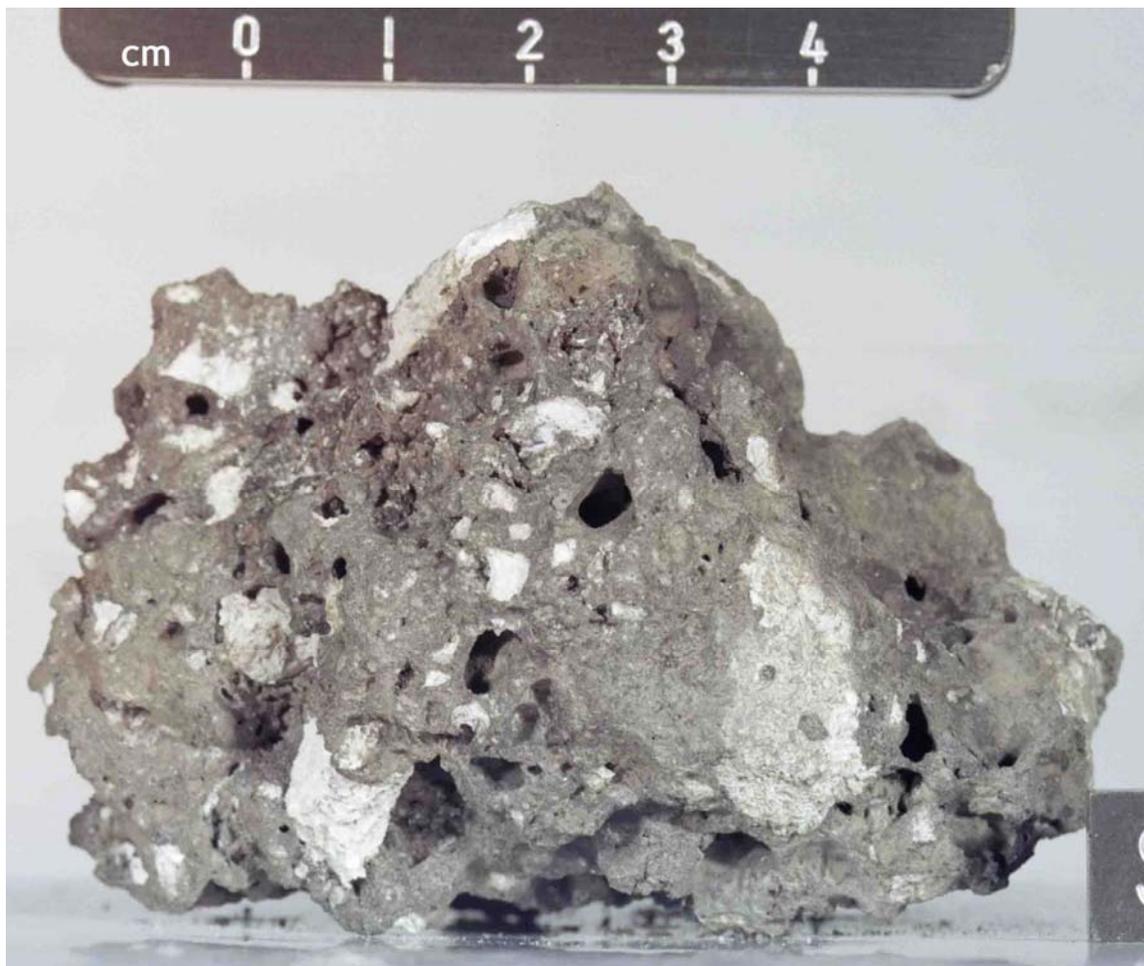


FIGURE 1. S-72-43422.

PETROLOGY: The texture of the matrix varies from aphanitic to nearly basaltic, often over short distances (Fig. 2). Glass or very fine-grained mesostasis is abundant throughout the rock. Clasts of plagioclase, mafic minerals and cataclastic anorthosite are abundant and often show diffuse boundaries with the matrix. Spherules of Fe-metal, often intergrown with troilite and schreibersite, are scattered through the matrix.

PROCESSING AND SUBDIVISIONS: In 1973 two small chips (,1) were allocated to Phinney for thin sectioning and petrography.

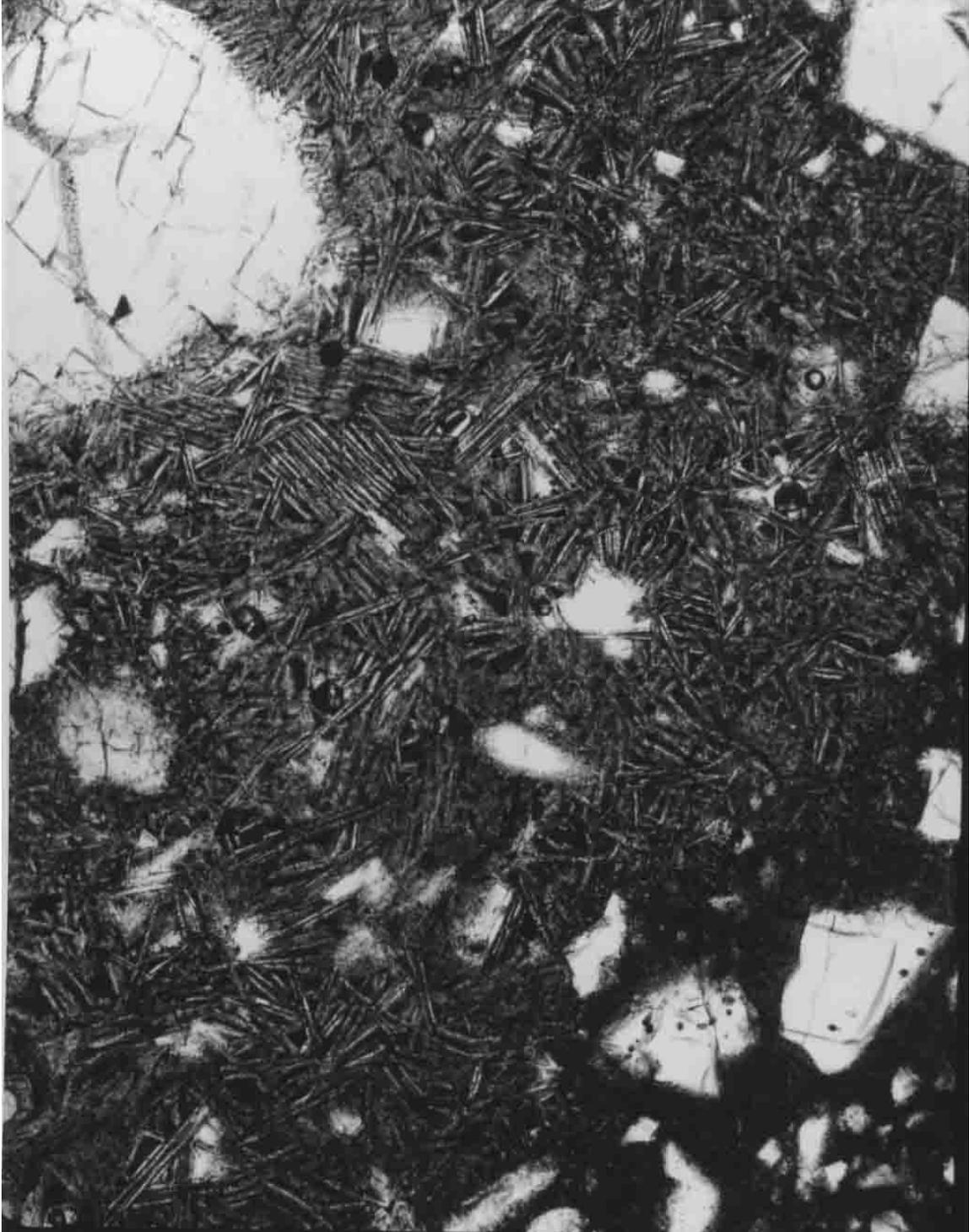


FIGURE 2. 61546,4, general view, ppl. Width 1 mm.