

INTRODUCTION: 61549 is a coherent, medium gray, crystalline impact melt with several large clasts (Fig. 1). It is subangular and was collected as a rake sample about 45 m northeast of Plum Crater. Zap pits are absent.



FIGURE 1. Smallest scale division in mm. S-72-55347.

PETROLOGY: Warner et al. (1973) provide a petrographic description and mineral compositions. 61549 is texturally intermediate between a basalt and a fine-grained poikilitic impact melt. Skeletal olivine phenocrysts and laths of plagioclase rest in a fine-grained, faintly poikilitic matrix of plagioclase and pyroxene (Fig. 2). Abundant clasts of plagioclase and lesser amounts of relict spinel and granoblastic norite are present. Mineral compositions are very homogeneous (Fig. 3) suggesting equilibration. Warner et al. (1973) classify this rock as a metamorphosed basalt.

PROCESSING AND SUBDIVISIONS: In 1972 three pieces were broken from the rock and one of these (,1) allocated to Phinney for thin sectioning and petrography.



FIGURE 2. 61549,4, general view, ppl. Width 1 mm.

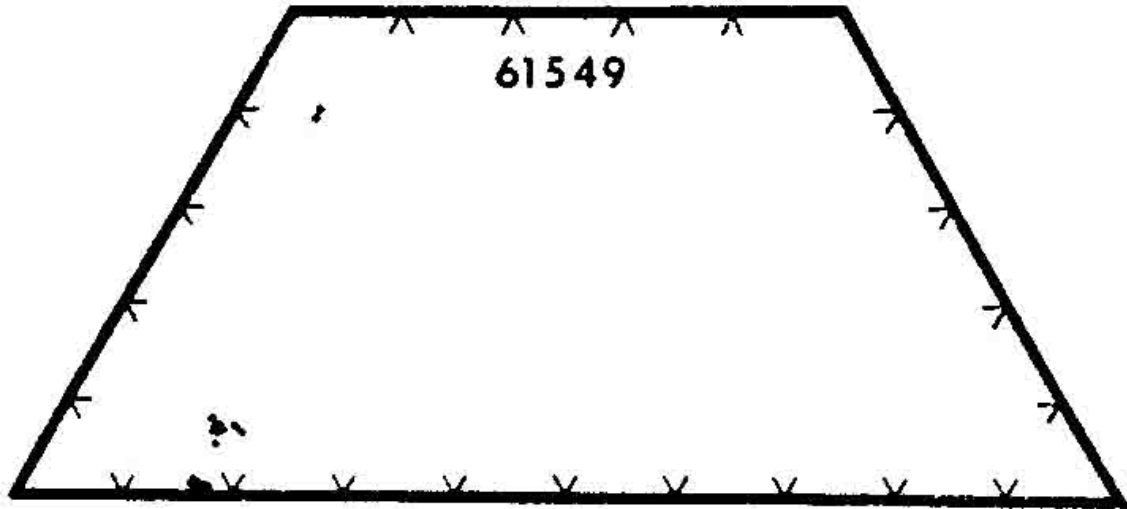


FIGURE 3. Mafic mineral compositions, olivine plotted along base, from Warner et al. (1973).