

INTRODUCTION: 60525 is a medium gray, coherent, impact melt with a variable texture which is dominantly poikilitic or micropoikilitic (Fig. 1). It is a rake sample collected about 50 m southwest of the Lunar Module and has a few zap pits.



FIGURE 1. Smallest scale division in mm. S-73-20481.

PETROLOGY: Warner et al. (1976b) provide a brief petrographic description and mineral composition. 60525 is texturally heterogeneous, grading from poikilitic (oikocrysts ~0.1 mm) to subophitic over a single thin section (Fig. 2). Clasts of plagioclase, minor olivine and several lithic fragments are present. Mineral compositions are shown in Figure 3 and tabulated by Dowty et al. (1976). Minor phases include spinel, ilmenite, Fe-metal (5.7-9.1 % Ni, 0.4-0.6 % Co), zircon and a “K-rich phase” (8-14.8%, K₂O).

CHEMISTRY: A defocussed electron beam analysis (DBA) is given by Warner et al. (1976b) and reproduced here as Table 1.

PROCESSING AND SUBDIVISIONS: In 1973 a single chip (,1) was removed for thin sections (Fig. 1).

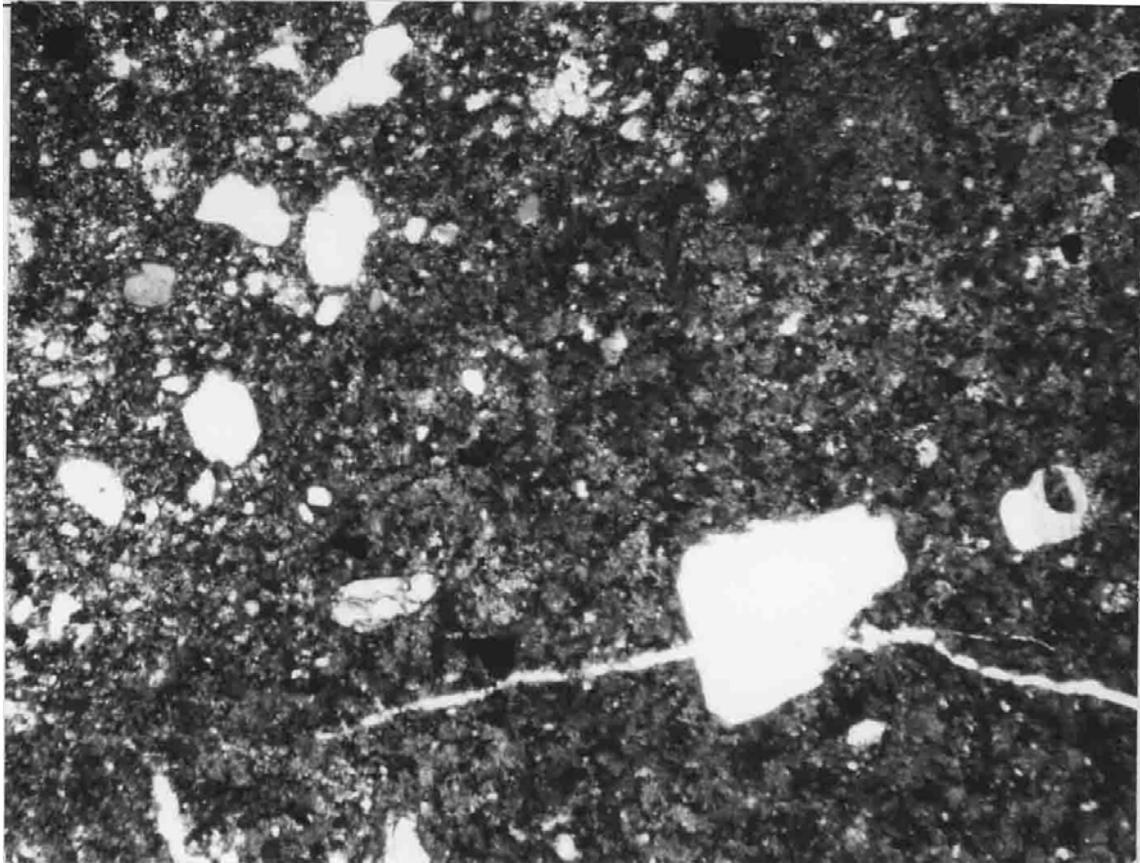


FIGURE 2. 60525,2. General view, ppl. Width 3 mm.

TABLE 1. Chemistry of 60525 (DBA).

SiO ₂	46.1
TiO ₂	1.05
Al ₂ O ₃	21.2
Cr ₂ O ₃	0.14
FeO	7.2
MnO	0.08
MgO	9.3
CaO	12.9
Na ₂ O	0.64
K ₂ O	0.27
P ₂ O ₅	0.26

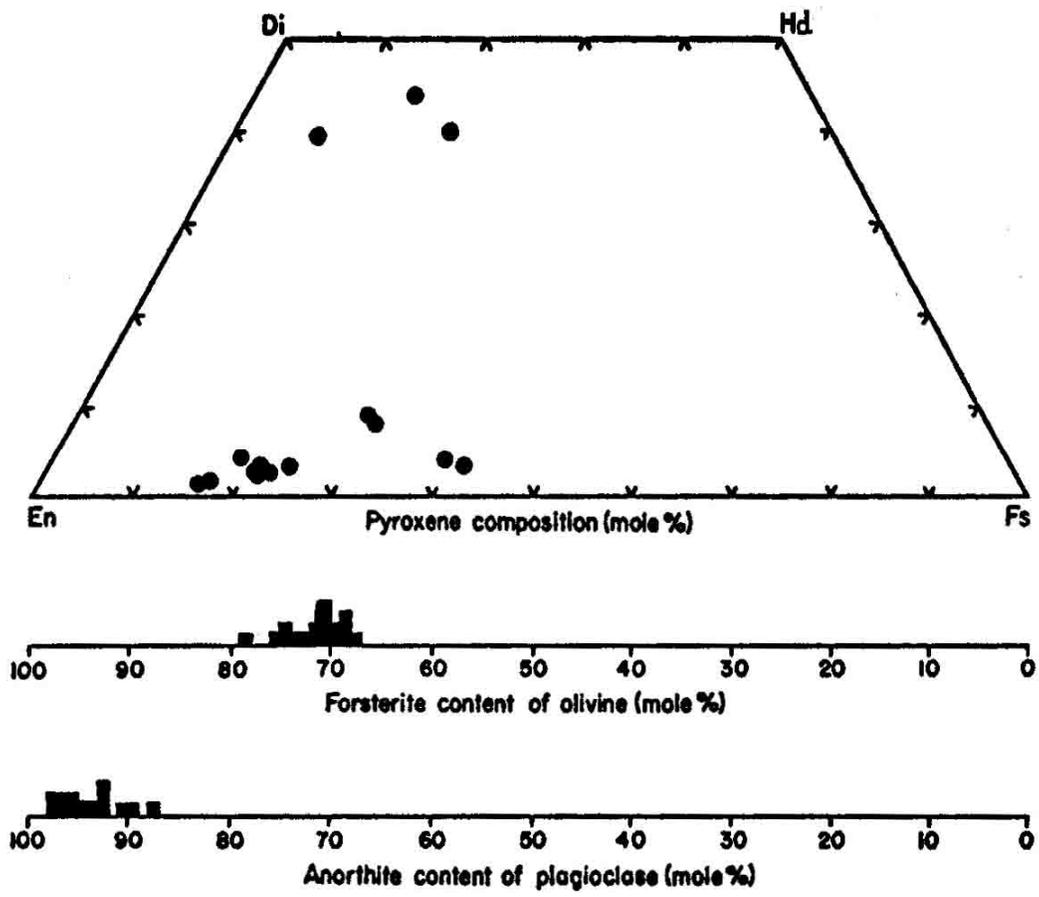


FIGURE 3. Mineral compositions;
from R. Warner et al.(1976b).