

**INTRODUCTION:** 60629 is a white, coherent, cataclastic anorthosite with a partial coating of dark glass (Fig. 1). It is a rake sample collected about 70 m west southwest of the Lunar Module. Many zap pits are present on all surfaces.

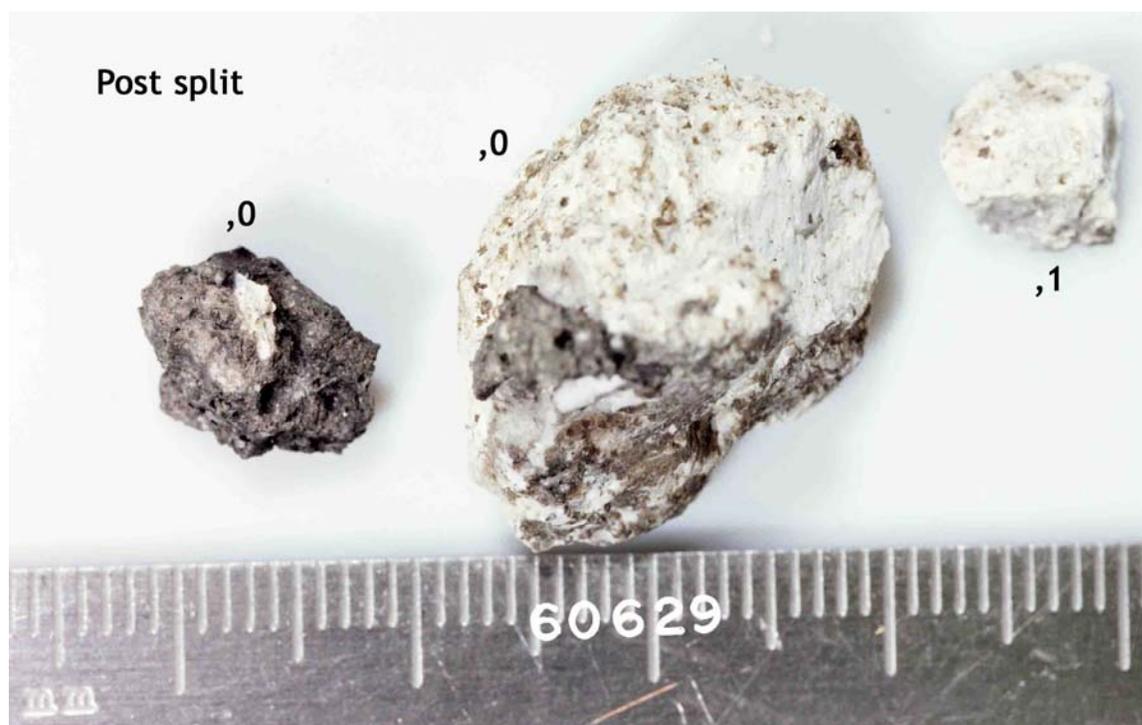


FIGURE 1. S-73-20459.

**PETROLOGY:** Petrographic descriptions are provided by Dowty et al. (1974a) and Warner et al. (1976b). Angular clasts of plagioclase (up to 3 mm long, mostly <0.3 mm) rest in a granulated matrix which is also dominantly plagioclase (Fig. 2). Mafic minerals tend to occur as discrete grains in the matrix. Mineral compositions are shown in Figure 3 and tabulated by Dowty et al. (1976). Fe-metal is an accessory phase; the single analyzed grain has 5.17% Ni and 0.43% Co (Warner et al., 1976b).

**CHEMISTRY:** A defocused electron beam analysis (DBA) is given by Dowty et al. (1974a) and reproduced by Warner et al. (1976b) and here as Table 1.

PROCESSING AND SUBDIVISIONS: In 1973 a chip of the anorthosite (,1) was taken for thin sections. During this processing a portion of the glass coat fell off but has been kept with ,0 (Fig. 1).

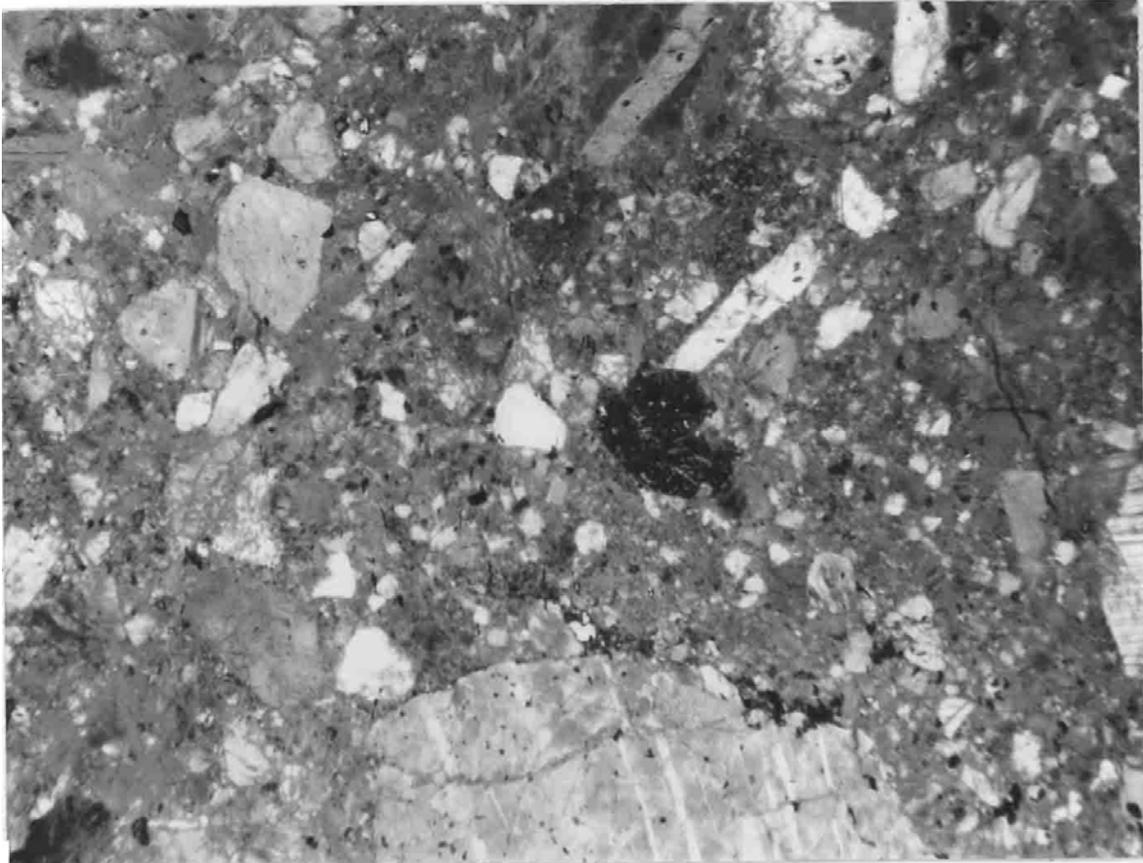


FIGURE 2. 60629,2.  
General view, partly xpl. Width 3 mm.

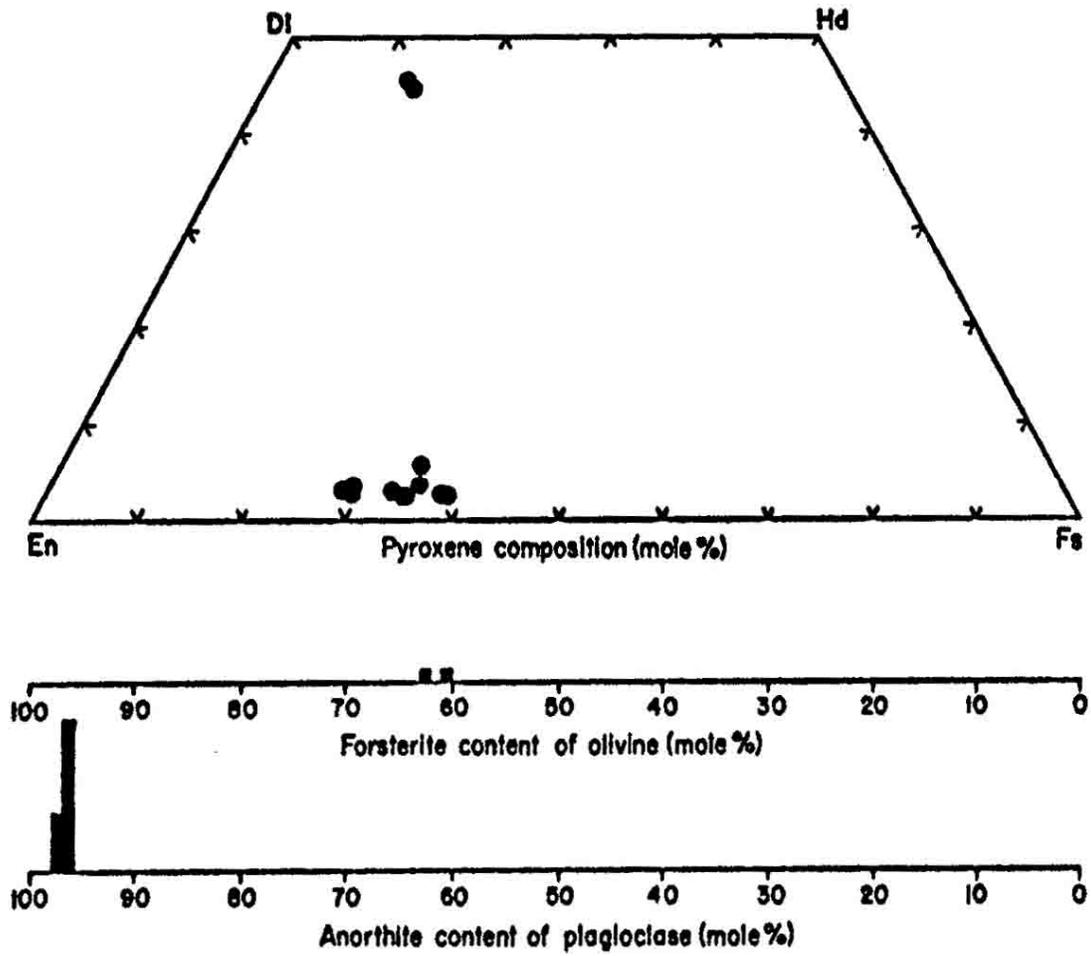


FIGURE 3. Mineral compositions;  
from R. Warner et al, (1976b).

TABLE 1. Chemistry of 60629  
(DBA, normalized to 100%).

SiO <sub>2</sub>	44.6
TiO <sub>2</sub>	0.01
Al <sub>2</sub> O <sub>3</sub>	35.1
FeO	0.36
MgO	0.26
CaO	19.2
Na <sub>2</sub> O	0.41
K <sub>2</sub> O	0.02
P <sub>2</sub> O <sub>5</sub>	0.03