

**INTRODUCTION:** 65789 is a white, moderately coherent, cataclastic anorthosite (Fig. 1). One small patch of brown glass coating is present. It is a rake sample with rare zap pits.



FIGURE 1. Smallest scale division in mm. S-72-48818

**PETROLOGY:** Dowty et al. (1974a) and Warner et al. (1976b) provide petrographic descriptions. 65789 is finer grained than most other cataclastic anorthosites. Plagioclase clasts are lightly shocked and somewhat rounded (Fig. 2). Olivine and pyroxene are both present and have unequilibrated compositions. (Fig. 3). Accessory phases include spinel and ilmenite. Mineral analyses are tabulated by Dowty et al. (1976).

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

PROCESSING AND SUBDIVISIONS: In 1973 several small chips (,1) were allocated to Keil for petrography (Fig. 1).

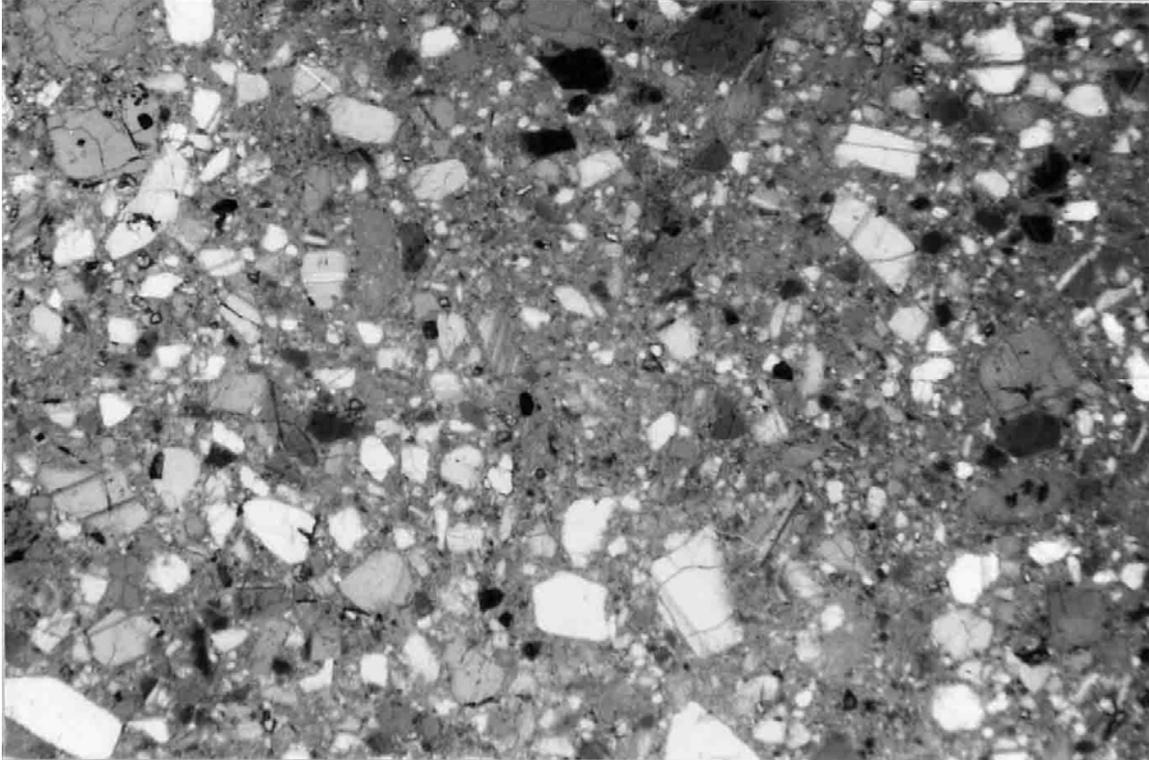


FIGURE 2. 65789,2. General view, partly xpl. Width 3 mm.

TABLE 1. Chemistry of 65789 (DBA, normalized to 100%).

SiO <sub>2</sub>	44.9
TiO <sub>2</sub>	0.01
Al <sub>2</sub> O <sub>3</sub>	34.3
FeO	0.96
MgO	0.63
CaO	18.8
Na <sub>2</sub> O	0.37
K <sub>2</sub> O	0.01
P <sub>2</sub> O <sub>5</sub>	0.02

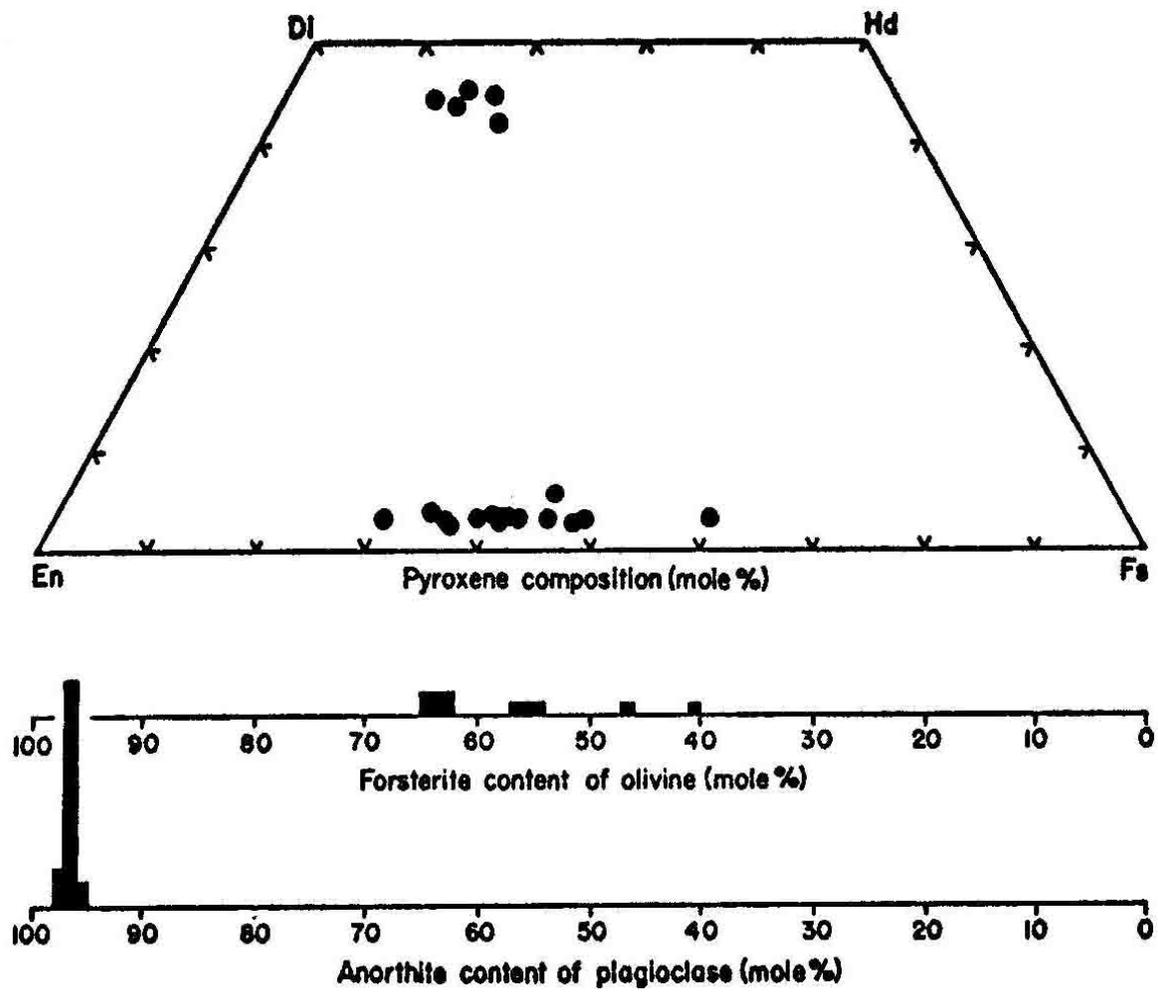


FIGURE 3. Mineral compositions; from R. Warner et al. (1976b).