

INTRODUCTION: 65359 is a heterogeneous rock composed of white, friable breccia and dark, coherent impact melt (Fig. 1). Dark, bubbly glass coats one surface. Several veins of rusty material are present. 65359 is a rake sample. Zap pits are very rare.

PETROLOGY: Warner et al. (1976b) provide a brief petrographic description and mineral compositions. Approximately half of the thin section examined by Warner et al. consists of a fine-grained, clast laden impact melt with a subophitic to poikilitic texture (Fig. 2). The remainder of the section is a breccia composed of ~80% plagioclase clasts (up to 2 mm long) and the remainder a fine-grained, melt matrix with a subophitic texture. Mineral compositions are shown in Figure 3 and tabulated by Dowty et al. (1976). Minor phases from unspecified portions of the rock include Fe-metal (2.3-3.3% Ni, 0.4-0.6% Co) and schreibersite.

CHEMISTRY: A defocused electron beam analysis (DBA) of the entire thin section is given by Warner et al. (1976b) and reproduced here as Table 1.

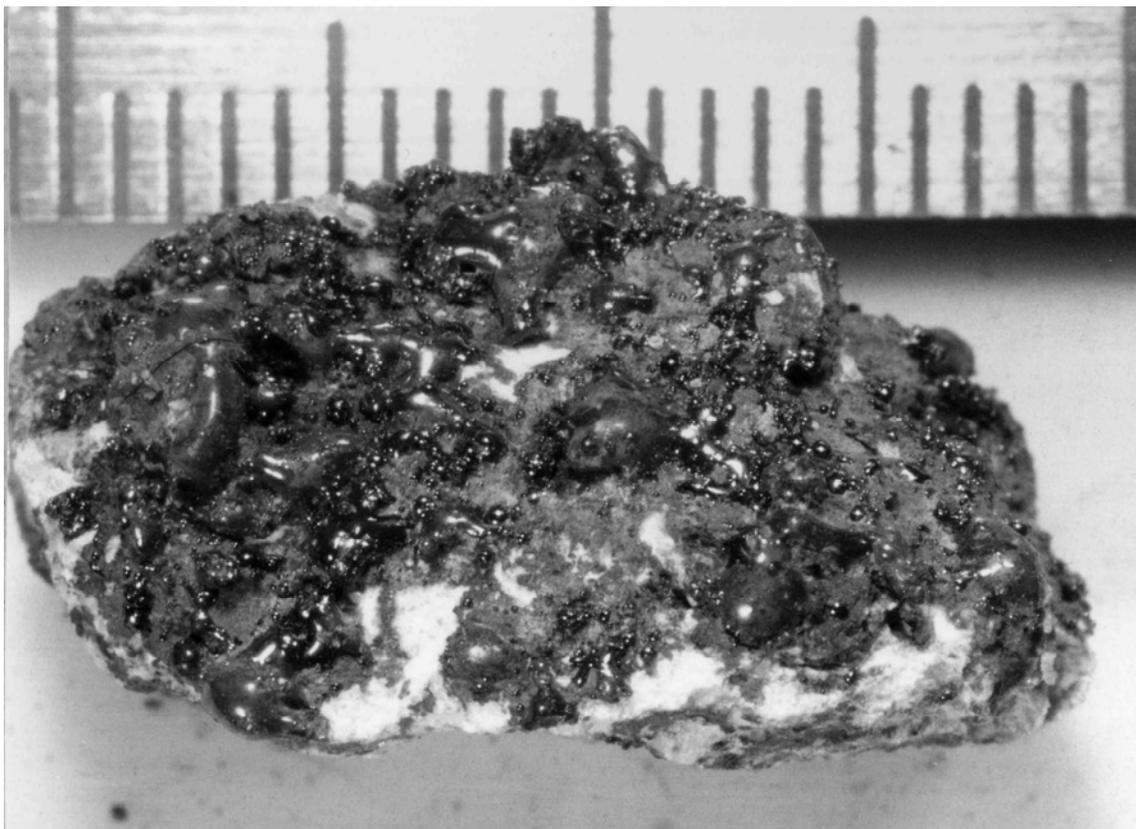


FIGURE 1. Smallest scale division in mm.

PROCESSING AND SUBDIVISIONS: In 1973 several small chips were removed as ,1 and allocated to Keil for petrography.

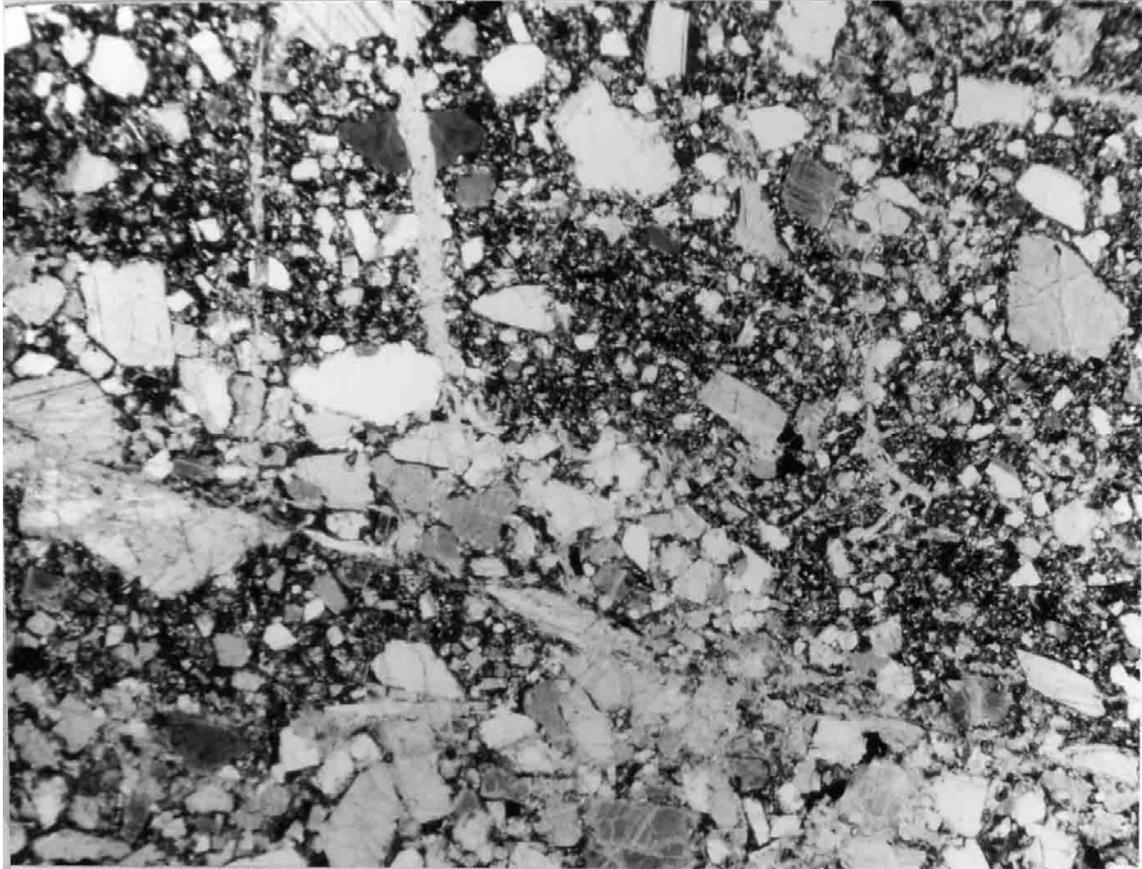


FIGURE 2. 65359,3. General view, partly xpl. Width 3 mm.

TABLE 1. Chemistry of 65359 (DBA, normalized to 100%).

SiO ₂	46.7
TiO ₂	0.47
Al ₂ O ₃	28.2
Cr ₂ O ₃	0.04
FeO	3.3
MnO	0.03
MgO	4.3
CaO	15.8
Na ₂ O	0.66
K ₂ O	0.30
P ₂ O ₅	0.23

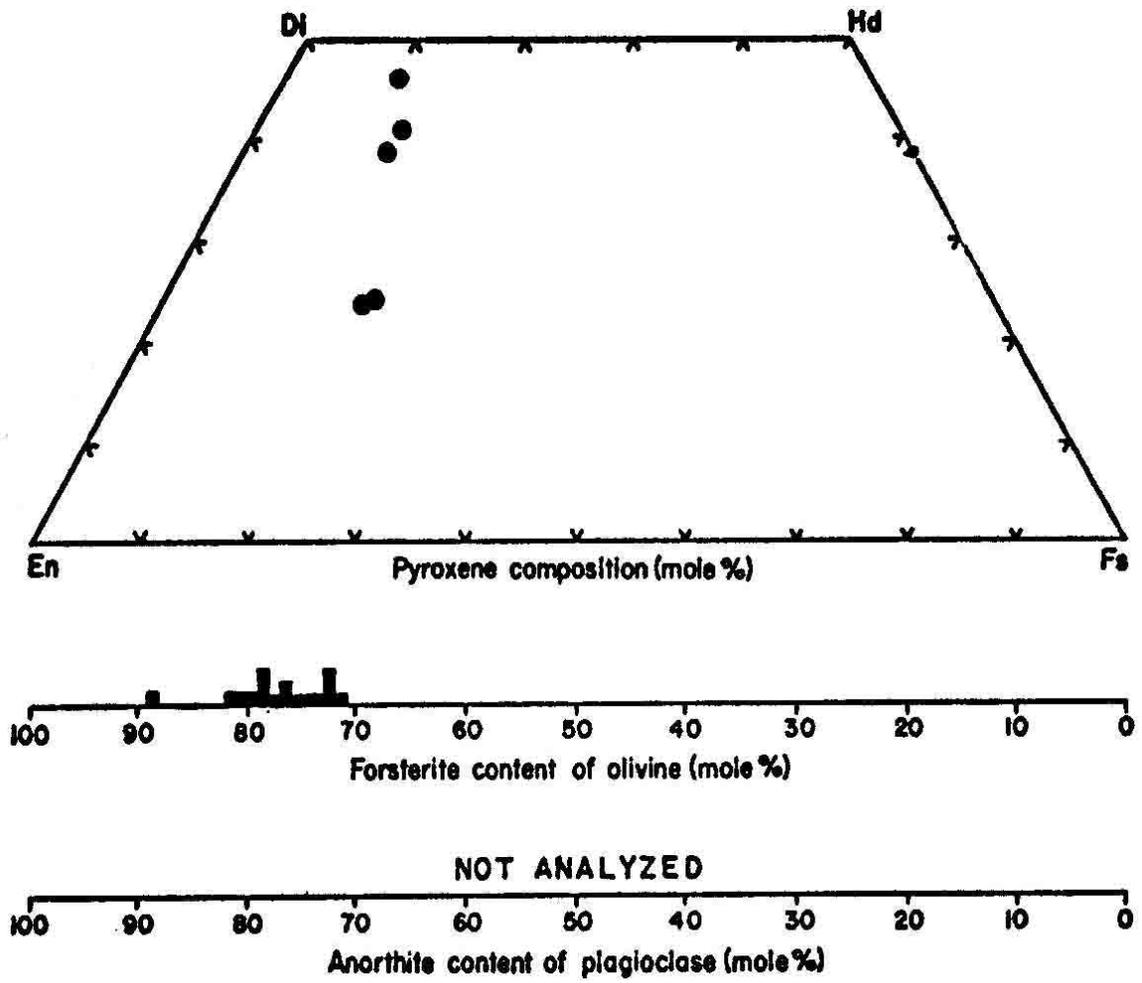


FIGURE 3. Mineral compositions; from R. Warner et al.(1976b).