

INTRODUCTION: 15135 is a dark gray, heterogeneous agglutinate containing shocked lithic and mineral fragments. It contains about 35% vugs and vesicles up to 2 mm diameter. It is tough and subangular. It was collected as part of the rake sample 5 m east of the boulder at Station 2 (See Fig. 15105-2).

PETROLOGY: 15135 consists of a vesicular dark glassy matrix containing lithic and mineral clasts (Fig. 2). It was briefly described by Steele et al. (1977), who found it to consist of 45% glass/fine matrix, 5% lithic clasts (mare), 20% mineral fragments, and 30% vesicles. The largest mineral clasts are shocked plagioclase. One pyroxene is exsolved into compositions of $\text{En}_{60}\text{Wo}_3$ and $\text{En}_{40}\text{Wo}_{45}$.

PROCESSING AND SUBDIVISIONS: 15135 was sawn to produce ,1 (Fig. 3) from which thin sections ,6 to ,8 were made.



Figure 1. Pre-split view of 15135. S-71-48782

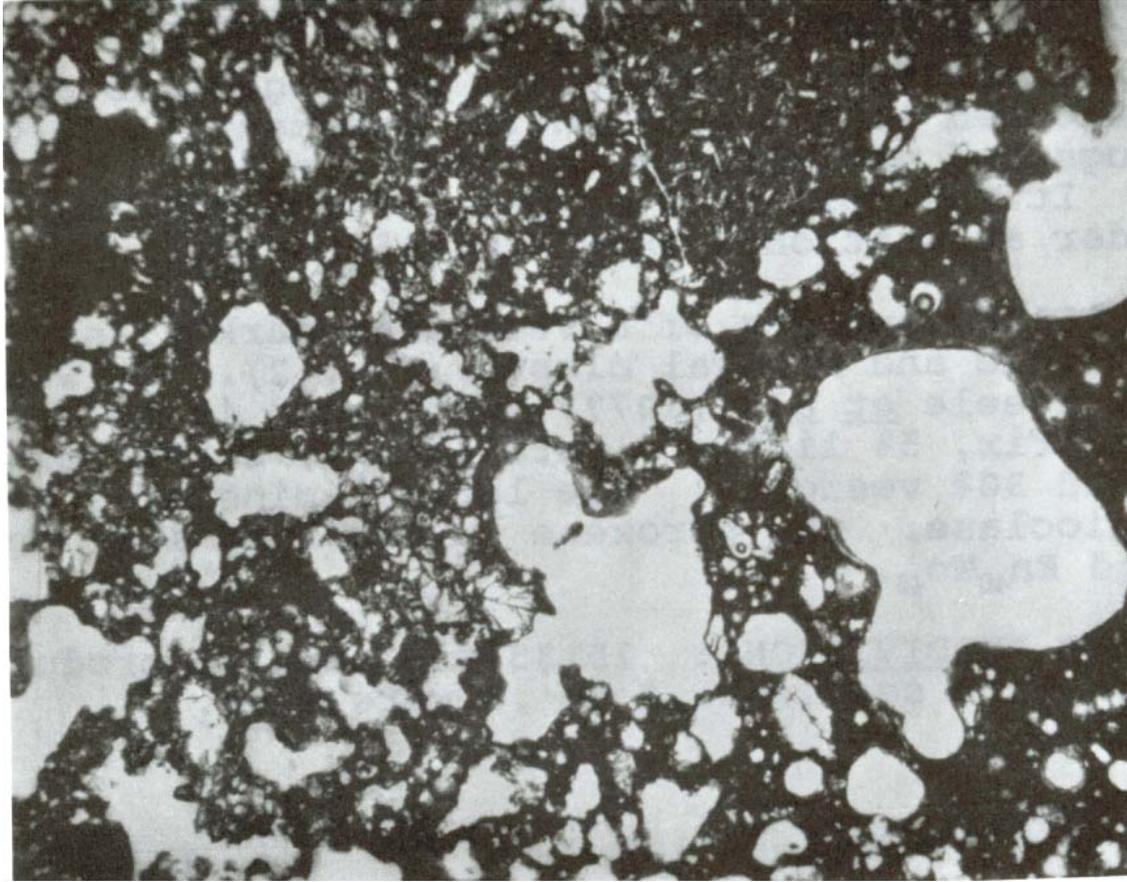


Figure 2. Photomicrograph of 15135,6, showing vesicles, fine matrix, and a melt clast. Width about 1.25 mm. Plane transmitted light.

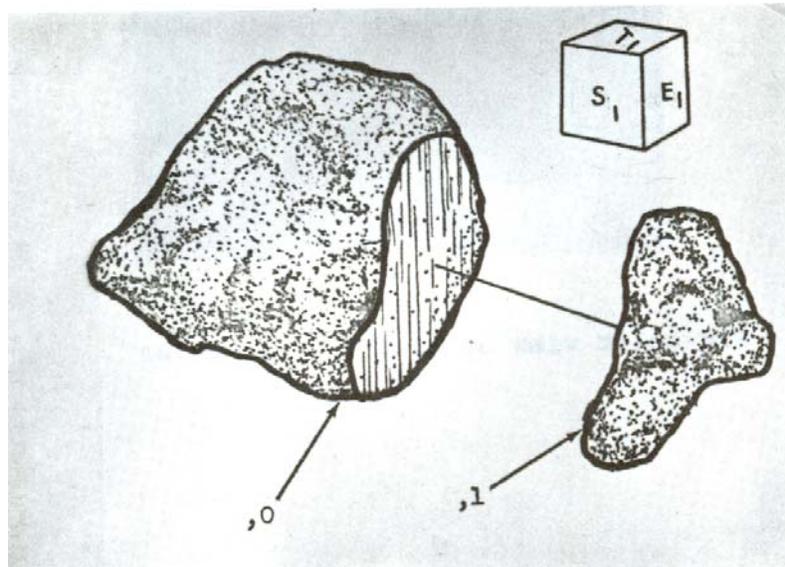


Figure 3. Sawing diagram of 15135.