

78568**Breccia****3.57 g, 1.6 x 1.5 x 1.3 cm****INTRODUCTION**

Sample 78568 is a coherent soil breccia that was collected as part of a large rake sample at Station 8 (Fig. 1). It is similar to 78535.

PETROGRAPHY

Butler (1973) describes 78568 as moderately coherent, medium grey, matrix-rich breccia with clasts composing less than 5% of the rock. Clasts are predominantly white and consist of plagioclase and mare basalt.

Keil et al. (1974) and Warner et al. (1978f) have given brief descriptions. One side of the particle has a white coating (Fig. 1). The interior has a brown glass matrix characteristic of a soil breccia (Fig. 2). Warner et al. noted that glass spheres were not very common. Lithic clasts include a medium-grained, granular, very low-Ti basalt, several fine-grain high-Ti basalts, a variety of fine-grained breccia fragments, and a large devitrified anorthosite clast.

MINERAL CHEMISTRY

Warner et al. (1979) have studied the glass compositions in 78568.

The chemical composition of this sample has not been determined.

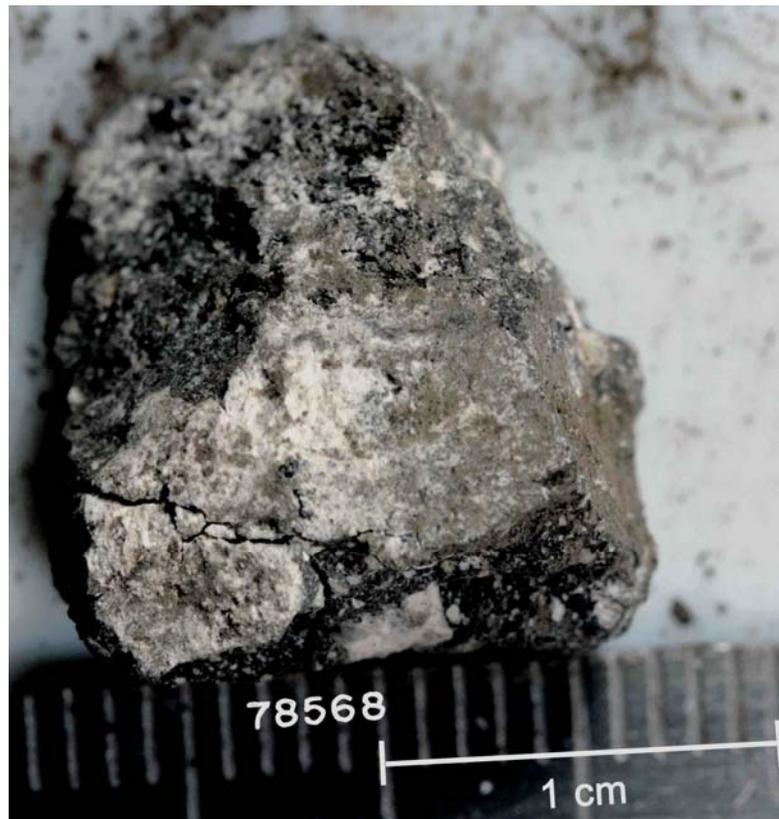


Figure 1: Photograph of 78568. Scale is 1 cm. S73-21007.

SAMPLE 78569-494

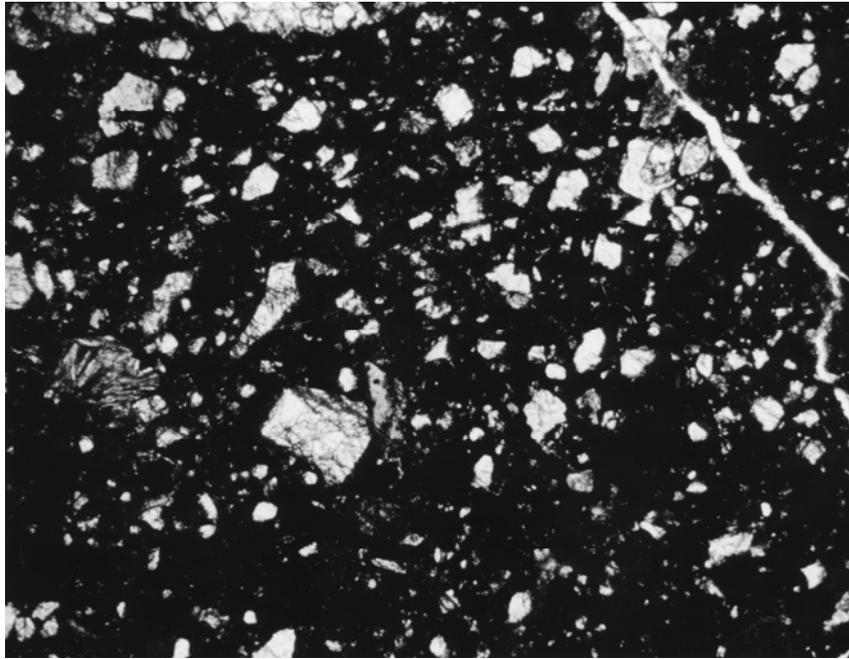


Figure 2: Photomicrograph of thin section 78568,3. Field of view is 3 x 4 mm.