

72546**Impact Melt Breccia (?)
St. 2, 4.9 g****INTRODUCTION**

72546 is a subangular coherent block (Fig. 1) measuring 1.8 x 1.7 x 1.0 cm. It was collected as part of the fast rake sample at Station 2, near Boulder 2. It is a microbreccia with macroscopic characters that suggest that it is an impact melt; identification is uncertain because it has never been allocated or dissected. According to LSIC 17 (1973), 72546 is a blue-gray

breccia; according to Keil et al. (1974) it is medium dark gray (N4). It is similar in appearance to several other breccias from the South Massif that are impact melts. The dark matrix, with grain-size less than 1 mm (and mainly less than 100 microns), constitutes 93% of the rock (Keil et al., 1974). Most clasts are plagioclase-rich. 72546 lacks vugs, but has many zap pits on one surface



Figure 1: Sample 72546, showing surface with many zap pits. Small scale divisions in millimeters. S-73-33462.