

73218
Impact Melt Breccia
39.7 grams

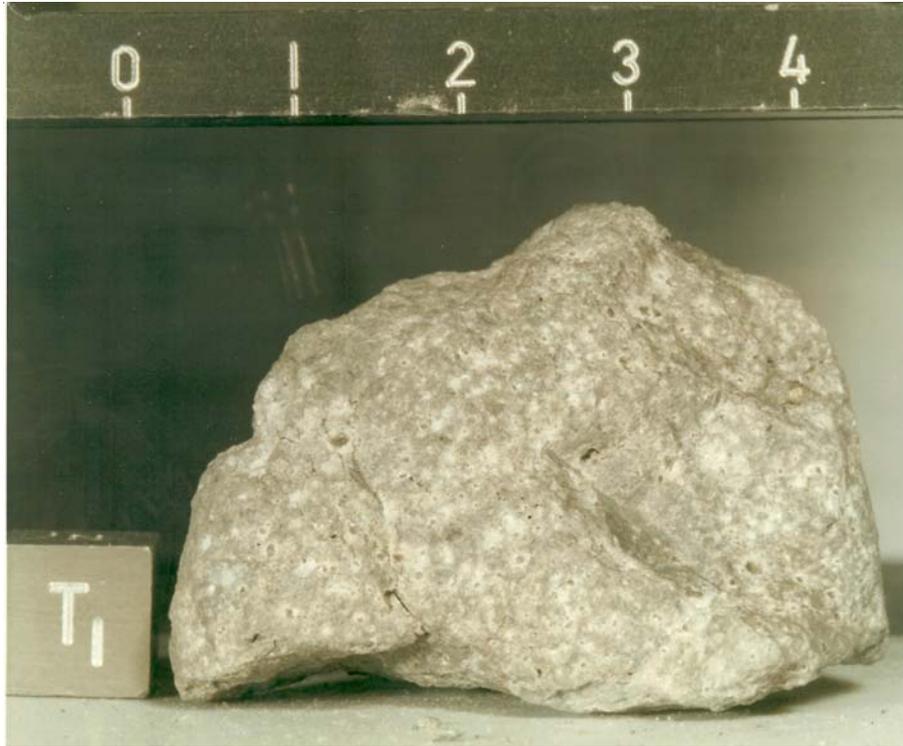


Figure 1: Photo of 73218. S73-16915. Scale and cube are 1 cm.

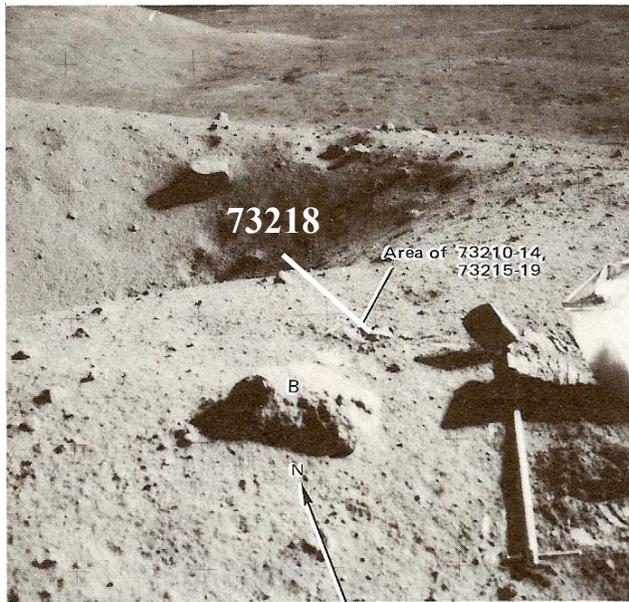


Figure 2: Location of 73218 at station 3, Apollo 17. AS17-138-21160

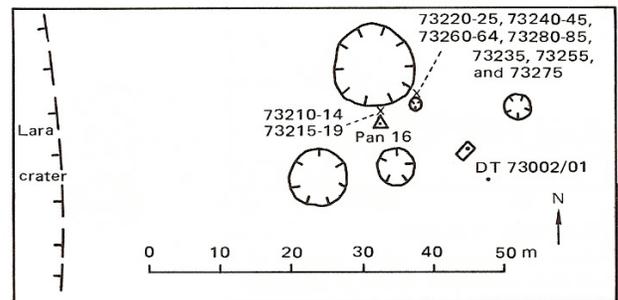


Figure 3: Map of station 3, Apollo 17.

Introduction

73218 is a coherent impact melt rock similar to 73216 and 73275 from the same location.

Schneider and Horz (1974) determined the size distribution of micrometeorite craters.

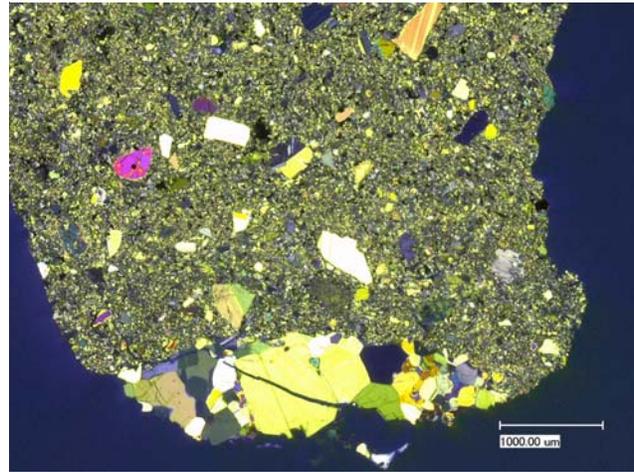
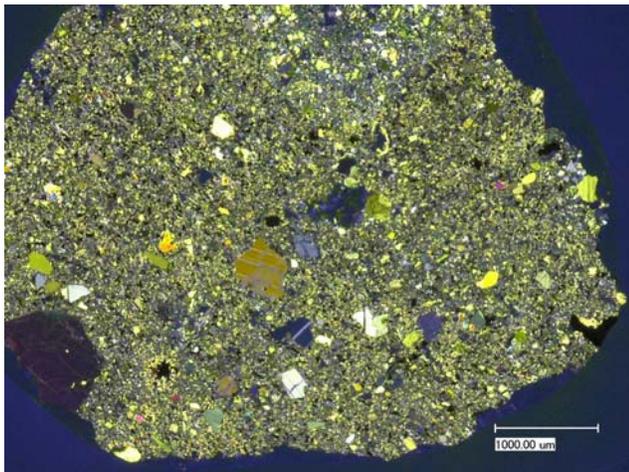
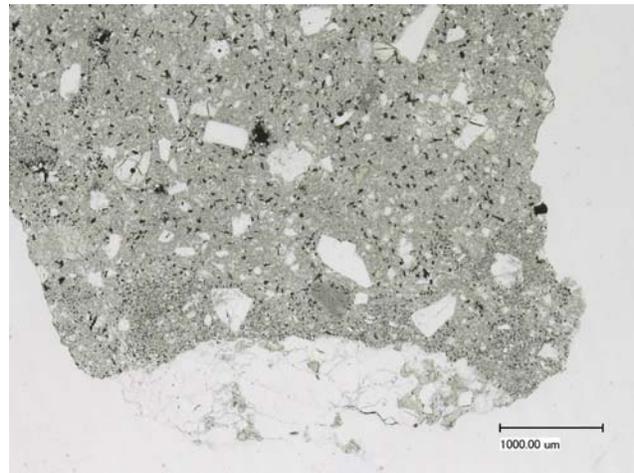
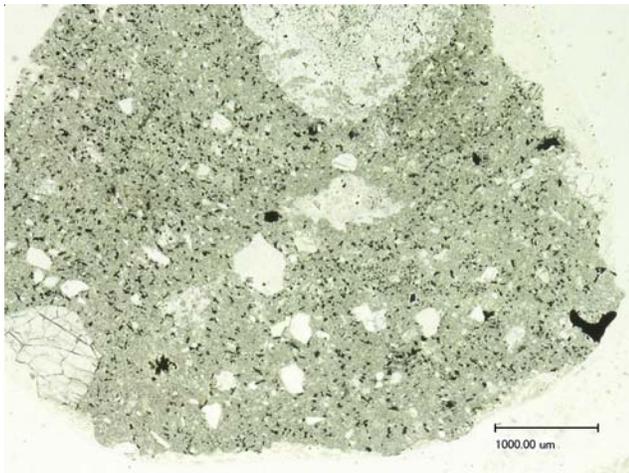


Figure 4a: Photomicrographs of thin section 73218,26 by C Meyer @50x.

Figure 4b: Photomicrographs of thin section 73218,27 by C Meyer @50x.

Petrography

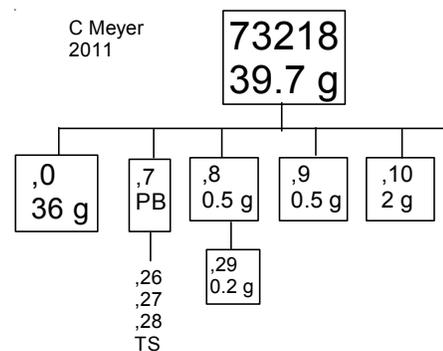
Ryder (1993) gives the only description. He recognized that it was an impact melt rock, because the fine grained matrix has needles of plagioclase that formed from a melt. However, before it was a melt it was a breccias, because there are relict small clasts of anorthosites and anorthositic breccias (figure 4 a, b).

Chemistry

None, but probably feldspathic.

Processing

A two gram piece was allocated to Wasserburg, but no data have been reported. There are three thin sections.



References for 73218

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Hartung J.B., Horz F., Aitken F.K., Gault D.E. and Brownlee D.E. (1973) The development of microcrater populations on lunar rocks. *Proc. 4th Lunar Sci. Conf.* 3213-3234.

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