# 60645

Impact melt Breccia

33.5 grams

*Figure 1: Photo of 60645. Tick marks at top are in mm. S72-46817*

## Introduction

60635 was collected as a rake sample near the LM (see section on 60600). It is a vesicular fine-grained impact melt.

## Petrography

60645 has an unusual coloration (figure 1). The matrix is vesicular and has a variable texture (figure 2). Some areas are poikilitic, others are subophitic. There is at least one large and perhaps other small anorthosite clasts.

## Chemistry

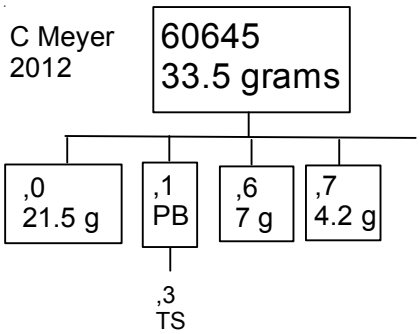
None

## Radiogenic age dating

None

## Processing

There is only one thin section.



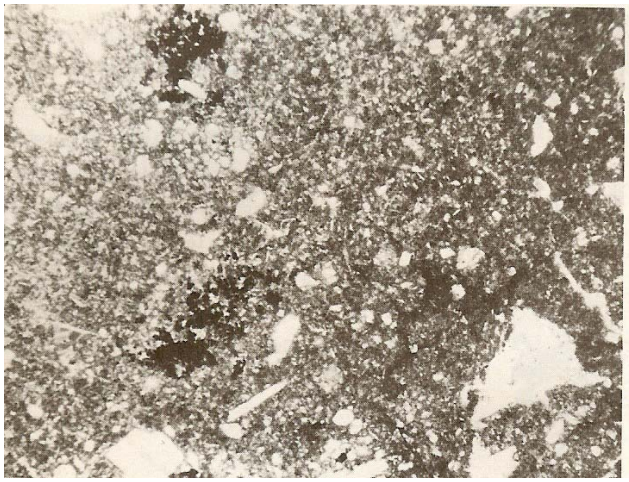


*Figure 2: Thin section photomicrograph of 60645 (Warner et al. 1976). Field of view is 3 mm.*

## References for 60645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LSPET (1973b) The Apollo 16 lunar samples: Petrographic and chemical description. *Science* **179**, 23-34.

LSPET (1972c) Preliminary examination of lunar samples. *In* Apollo 16 Preliminary Science Report. NASA SP-315, 7-1—7-58.

Ryder G. and Norman M.D. (1980) Catalog of Apollo 16 rocks (3 vol.). Curator's Office pub. #52, JSC #16904

Sutton R.L. (1981) Documentation of Apollo 16 samples. In Geology of the Apollo 16 area, central lunar highlands. (Ulrich et al. ) U.S.G.S. Prof. Paper 1048.

Warner R.D., Dowty E., Prinz M., Conrad G.H., Nehru C.E. and Keil K. (1976c) Catalog of Apollo 16 rake samples from the LM area and station 5. Spec. Publ. #13, UNM Institute of Meteoritics, Albuquerque. 87 pp.


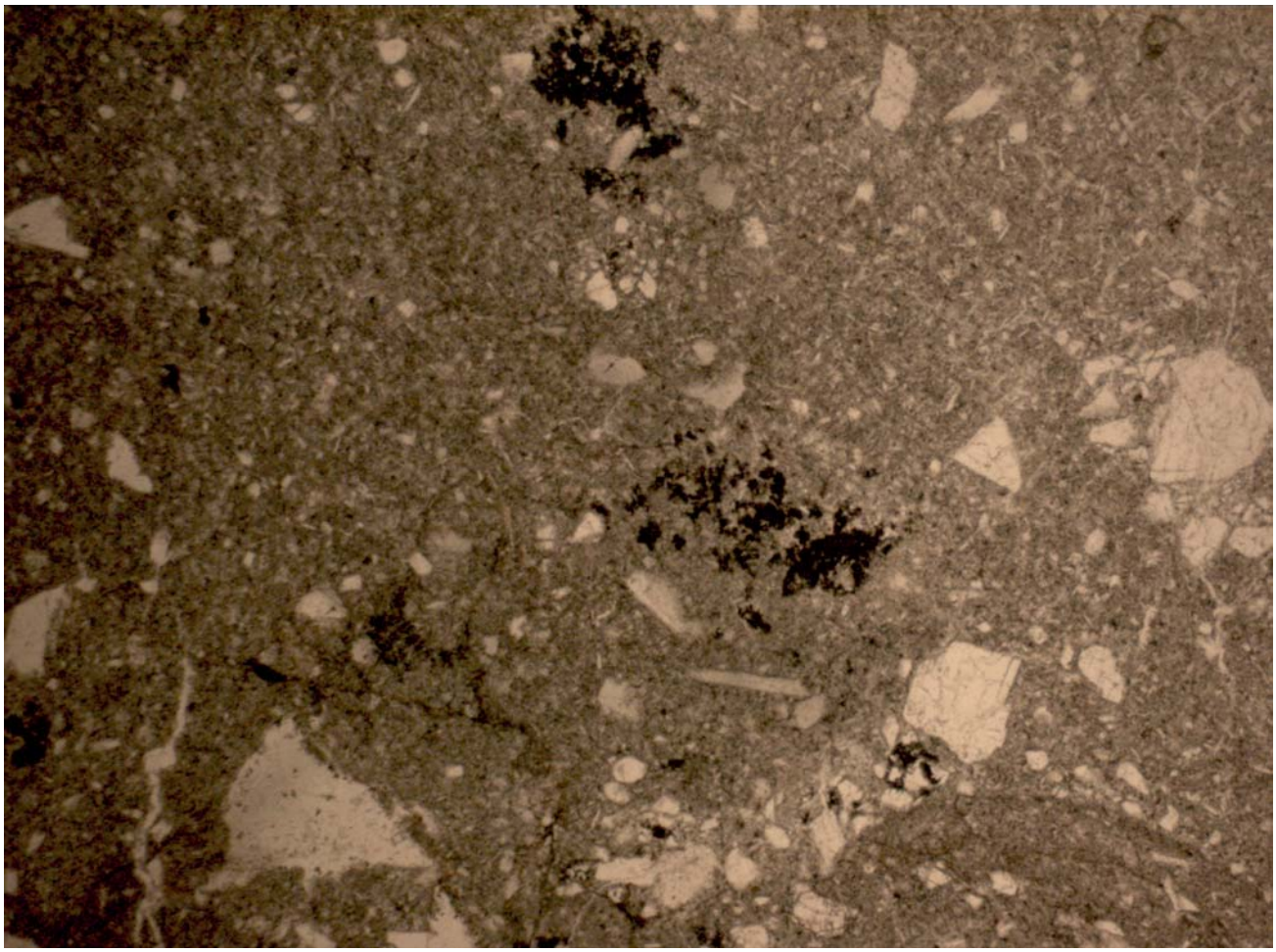

*Figure 3: Photomicrograph by C Meyer of thin section 60645,3. Field of view is 2 mm.*