

**76557****Micropoikilitic Impact Melt Breccia**  
**5.592 g, 2 x 1.5 x 1 cm****INTRODUCTION**

Breccia 76557 was collected as a rake sample from the soil at Station 6 (Phinney et al., 1974).

**PETROGRAPHY**

Sample 76557 has a clastic texture with micropoikilitic matrix. Fig. 1 shows that it has small flattened cavities that define a foliation. Fig. 2 shows the clastic texture and annealed, poikilitic matrix. A clast of exsolved pyroxene is incorporated in the crystallized melt.

**WHOLE-ROCK CHEMISTRY**

Simonds and Warner (1981) point out that this micropoikilitic breccia has less Fe and more Mg than the boulder at Station 6 (Table 1). They speculate that it may be similar to the large sample 76455.



Figure 1: Photograph of 76557. Scale bar is in mm. S73-19599.

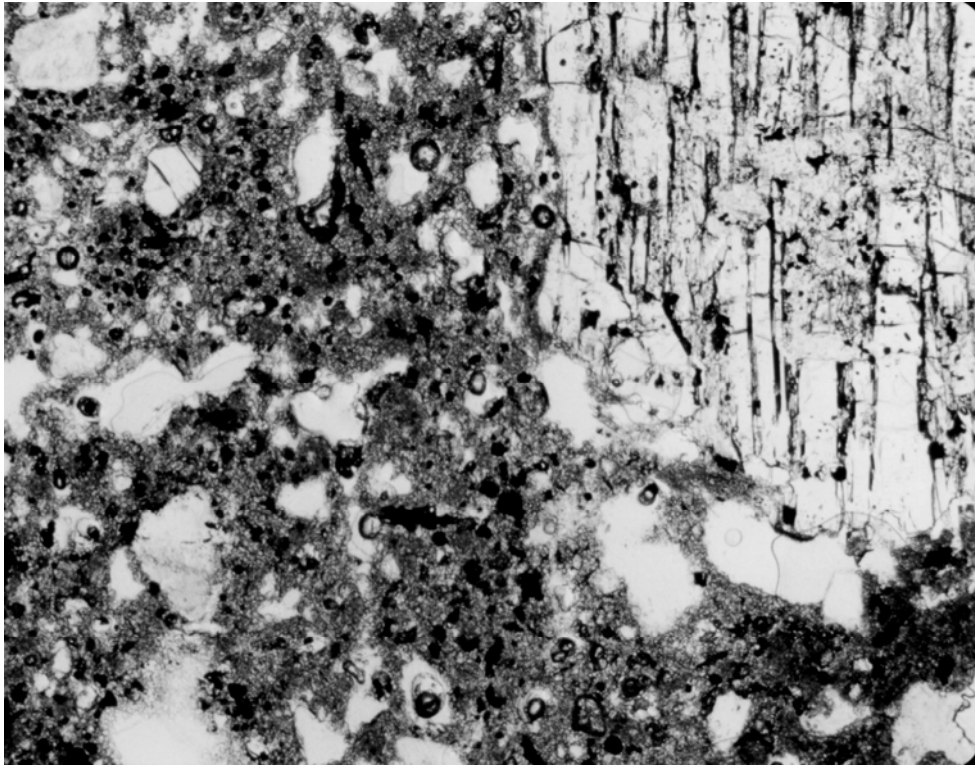


Figure 2: Photomicrograph of section 76557,7, showing exsolved pyroxene clast incorporated in poikilitic matrix.  
Field of view is 2 x 3 mm.

**Table 1: Whole-rock chemistry of 76557.**

From Simonds and Warner (1981).

*(Cautionary note: These preliminary analyses were made by fused bead electron microprobe analyses, R. Brown, analyst.)*

<b>Split Technique</b>	<b>,1 EMP</b>
SiO <sub>2</sub> (wt%)	46.26
TiO <sub>2</sub>	1.21
Al <sub>2</sub> O <sub>3</sub>	18.05
Cr <sub>2</sub> O <sub>3</sub>	0.17
FeO	7.64
MnO	
MgO	13.79
CaO	10.46
Na <sub>2</sub> O	0.8
K <sub>2</sub> O	0.39