

**76555****Micropoikilitic Impact Melt Breccia****8.435 g, 2.5 x 2 x 1 cm****INTRODUCTION**

Sample 76555 is a light grey impact melt rock that was collected as a rake sample from Station 6 (Phinney et al., 1974).

**PETROGRAPHY**

The thin sections of 76555 show that it has a clastic texture with a fine-grained, annealed, micropoikilitic matrix (Fig. 2).

**WHOLE-ROCK CHEMISTRY**

Simonds and Warner (1981) point out that this poikilitic impact melt breccia has less Fe and more Mg than the boulder at Station 6 (Table 1), and is similar to sample 76055.



Figure 1: Photograph of 76555. Scale bar is in mm. S73-19618.

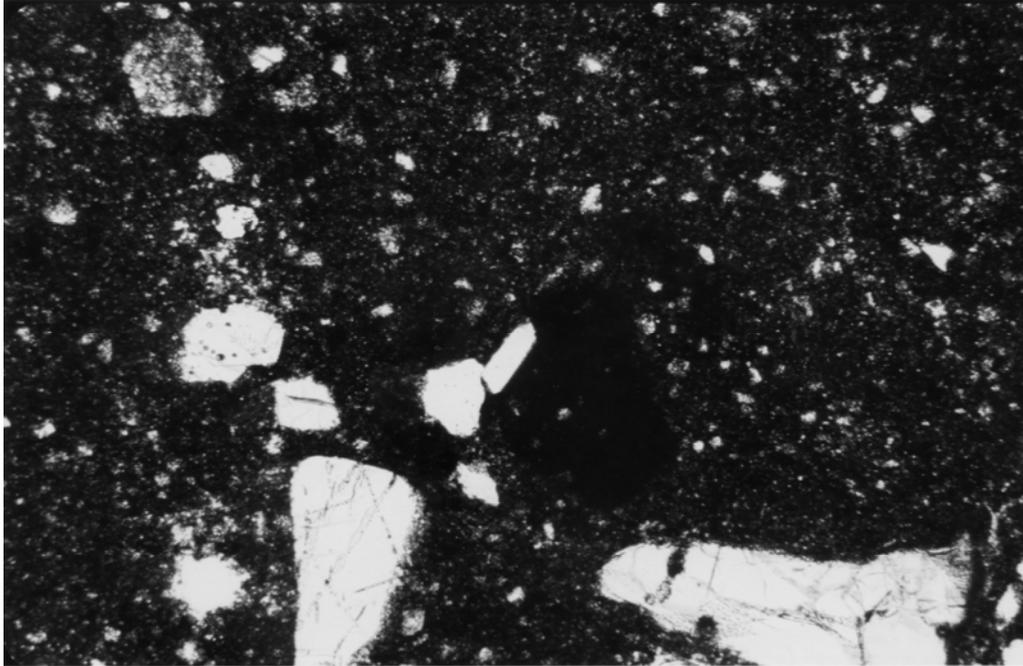


Figure 2: Photomicrograph of thin section 76555, 7. Field of view is 2 x 3 mm.

**Table 1: Whole-rock chemistry of 76555.**

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>.2 EMP</b>
SiO <sub>2</sub> (wt%)	46.36
TiO <sub>2</sub>	1.49
Al <sub>2</sub> O <sub>3</sub>	18.04
Cr <sub>2</sub> O <sub>3</sub>	0.18
FeO	8.32
MnO	
MgO	12.23
CaO	10.96
Na <sub>2</sub> O	0.8
K <sub>2</sub> O	0.29