

**76568****Aphanitic High-Ti Mare Basalt**  
**9.477 g, 2.5x2x2cm****INTRODUCTION**

Sample 76568 was collected as a rake sample from the soil at Station 6 (Phinney et al., 1974).

**PETROGRAPHY**

Sample 76568 is an aphanitic mare basalt with variolitic texture (Fig. 1). The thin section of 76568,7 shows that it is ilmenite rich (Fig. 2). The chemical composition of this

fragment has been determined by Roy Brown (unpublished, in Simonds and Warner, 1981). The high  $\text{TiO}_2$  content (~11%) is consistent with the ilmenite abundance in the thin section.



Figure 1: Photograph of 76568. Scale bar is in mm. S73-19642.

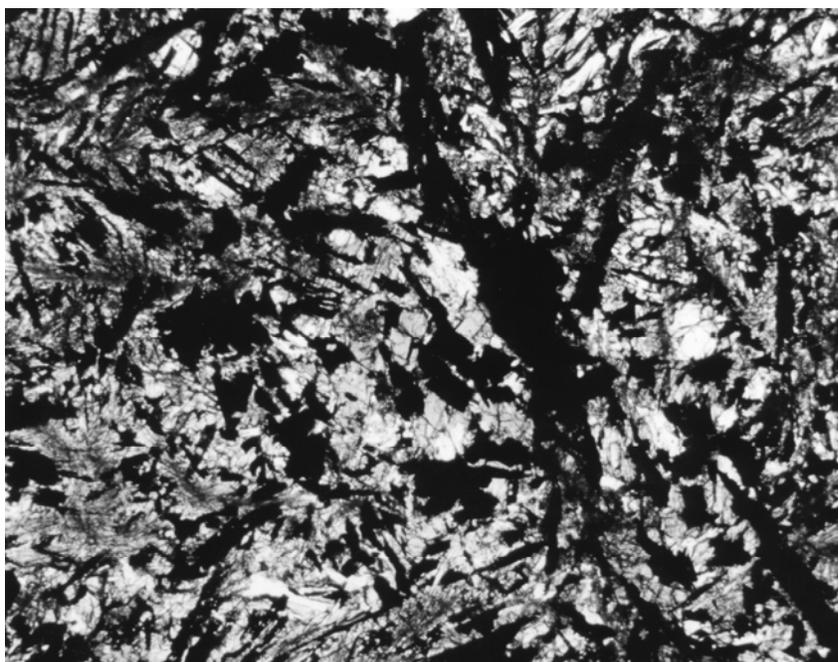


Figure 2: Photomicrograph of 76568,7. Field of view is 2 x 3 mm.

**Table 1: Whole-rock chemistry of 76568.**

From Simonds and Warner (1981).

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

Split Technique	,2 EMP
SiO <sub>2</sub> (wt%)	39.50
TiO <sub>2</sub>	11.12
Al <sub>2</sub> O <sub>3</sub>	9.16
Cr <sub>2</sub> O <sub>3</sub>	0.46
FeO	17.79
MnO	
MgO	8.70
CaO	10.65
Na <sub>2</sub> O	0.53
K <sub>2</sub> O	0.10