

76037**High-Ti Mare Basalt****2.52 g, 1.7 x 1.2 x 0.8 cm****INTRODUCTION**

Sample 76037 was collected from the soil about 20 meters downslope from the Boulder 6 area as part of a soil sample. It is a coarse-grained ilmenite basalt (Fig. 1).

PETROGRAPHY

Neal et al. (1990) classify 76037 as a type 1B mare basalt, typical of other A17 basalts (Fig. 2). They report a mode of 0.5% olivine, 46% pyrox-ene, 33% plagioclase, and 17% ilmenite. Grain size is 0.1 to 1 mm.

MINERAL CHEMISTRY

Neal et al. (1990) have studied the mineral chemistry. Olivine is Fo_{50-65} , plagioclase is An_{78-88} , and pyroxene is $\text{Wo}_{8-40}\text{En}_{25-63}$.

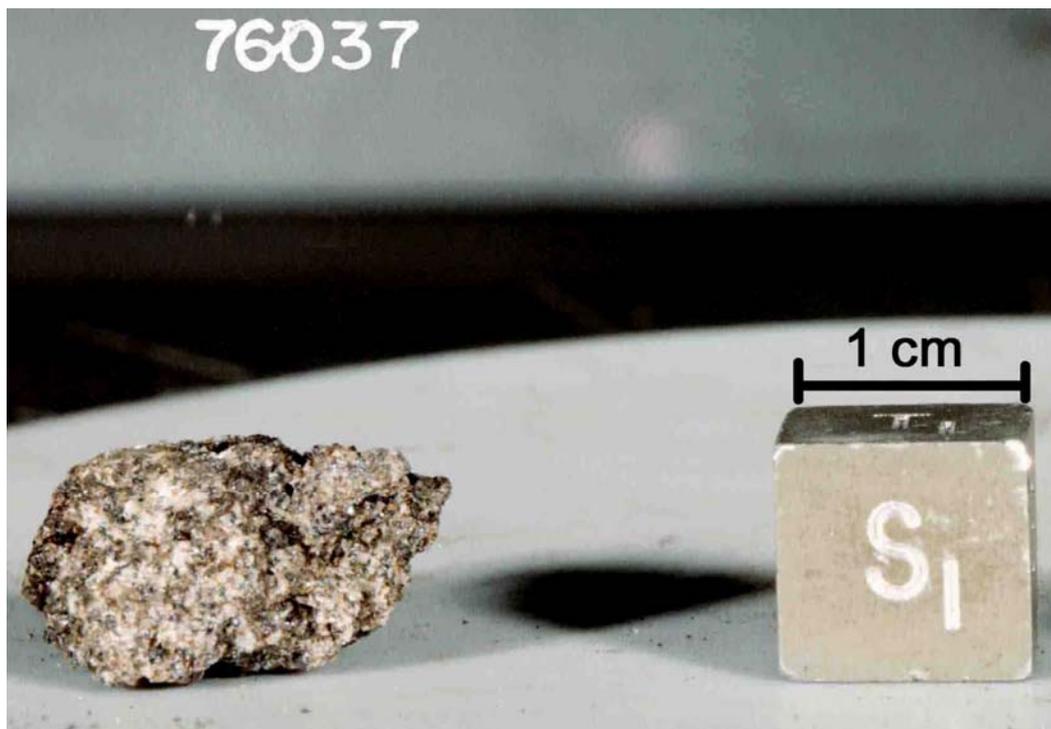


Figure 1: Ilmenite basalt 76037. Cube is 1 cm. S73-17958.

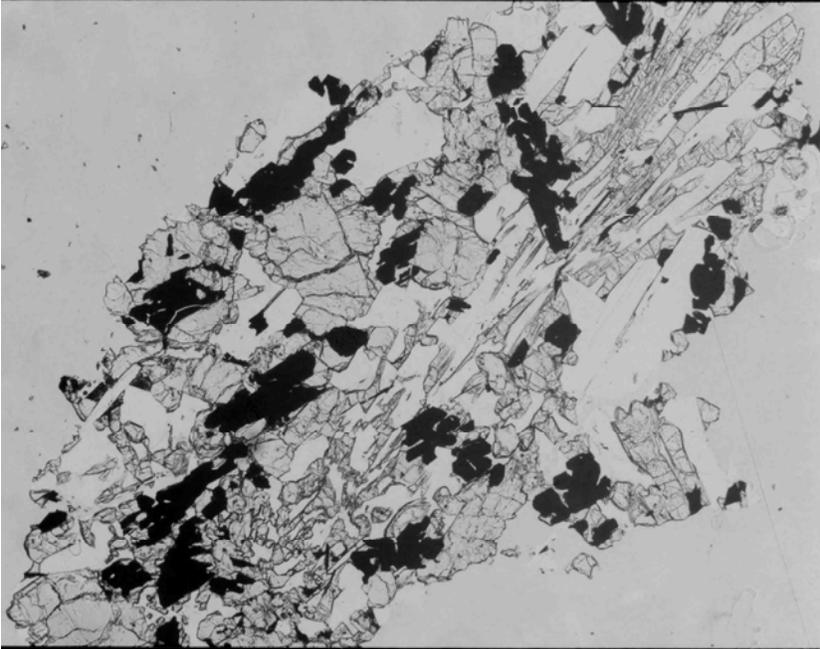


Figure 2: Photomicrograph of ilmenite basalt 70037, field of view is 4 x 5 mm.