

INTRODUCTION: 15341 is a regolith breccia with a fine-grained, glassy matrix and few lithic clasts. It was dusty, fairly friable, and had at least two zap pits larger than 1-mm across on one side. Its angular shape appears to be a product of fresh fractures forming its sides. It was collected as part of the rake sample from the north-east rim of Spur Crater.



Figure 1. Angular, dusty sample 15341, pre-processing. S-71-49624

PETROLOGY: 15341 is a glassy regolith breccia (Fig. 2). It contains spheres of green, yellow, colorless, and red glass, and shards of brown, devitrified glassy material. Lithic clasts are small, and include anorthosites, highlands impact melts, and a mare (?) basalt. Mineral fragments include shocked and unshocked examples. According to Steele et al. (1977), 15341 consists of 20% glass, 5% lithic material (anorthosite), and 60% fine matrix.

PROCESSING AND SUBDIVISIONS: 15341 was chipped to produce ,1 from which thin sections ,1 and ,6 were made, with small potted butts remaining. During processing ,0 broke up into several pieces because of the friability.

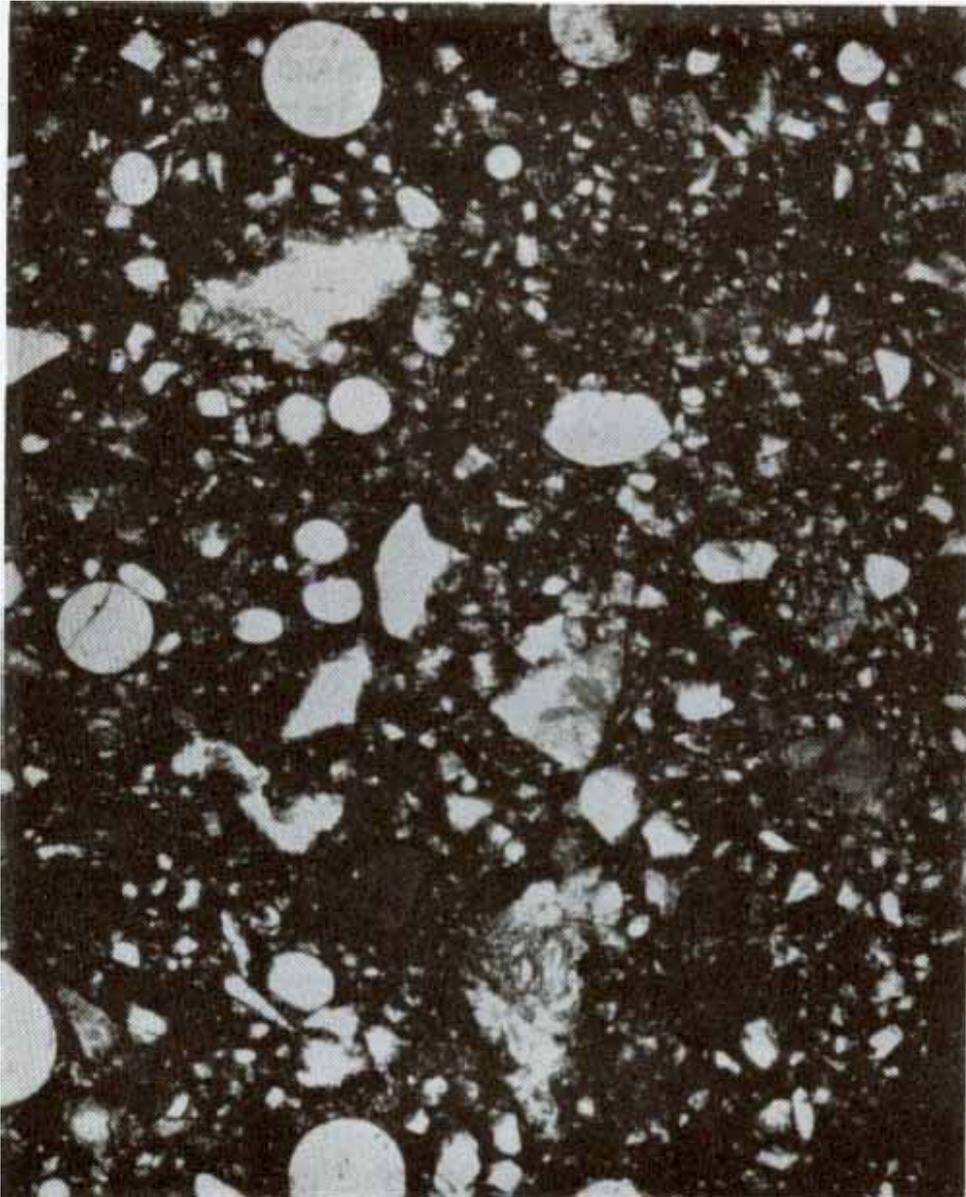


Figure 2. General matrix photomicrograph of 15341,1.
Transmitted light. Width about 2mm.