

**INTRODUCTION:** 15342 is a regolith breccia with a dark glassy matrix (Fig. 1). It was dusty and moderately friable. Its texture and possible spalls suggested exposure, but zap pits were not obvious. 15342 was collected as part of the rake sample from the north-east rim of Spur Crater.



Figure 1. Post split view of 15342, with ,0 to the left. ,1 comprises the small chip and half of the third chip; ,2 is the top half of the third chip. S-71-57456

**PETROLOGY:** 15342 is a dark glassy matrix regolith breccia (Fig. 2) (Dowty et al., 1973b), similar to 15337. It contains glass spherules and fragments, and small lithic fragments. Bunch et al.(1972) listed 15342 with 15315 as a "Green glass breccia" for which a green glass composition of unstated derivation was given. Hlava et al. (1973) presented analyses of several glasses, including one very aluminous (28%  $\text{Al}_2\text{O}_3$ ) glass and green, orange, and colorless mare glasses.

**PROCESSING SUBDIVISIONS:** Chips were removed from one side of ,0 (Fig. 1). Part of one of the chips, ,2, was partly used to produce thin sections ,4 and ,5. ,0 is now 5.79 g.

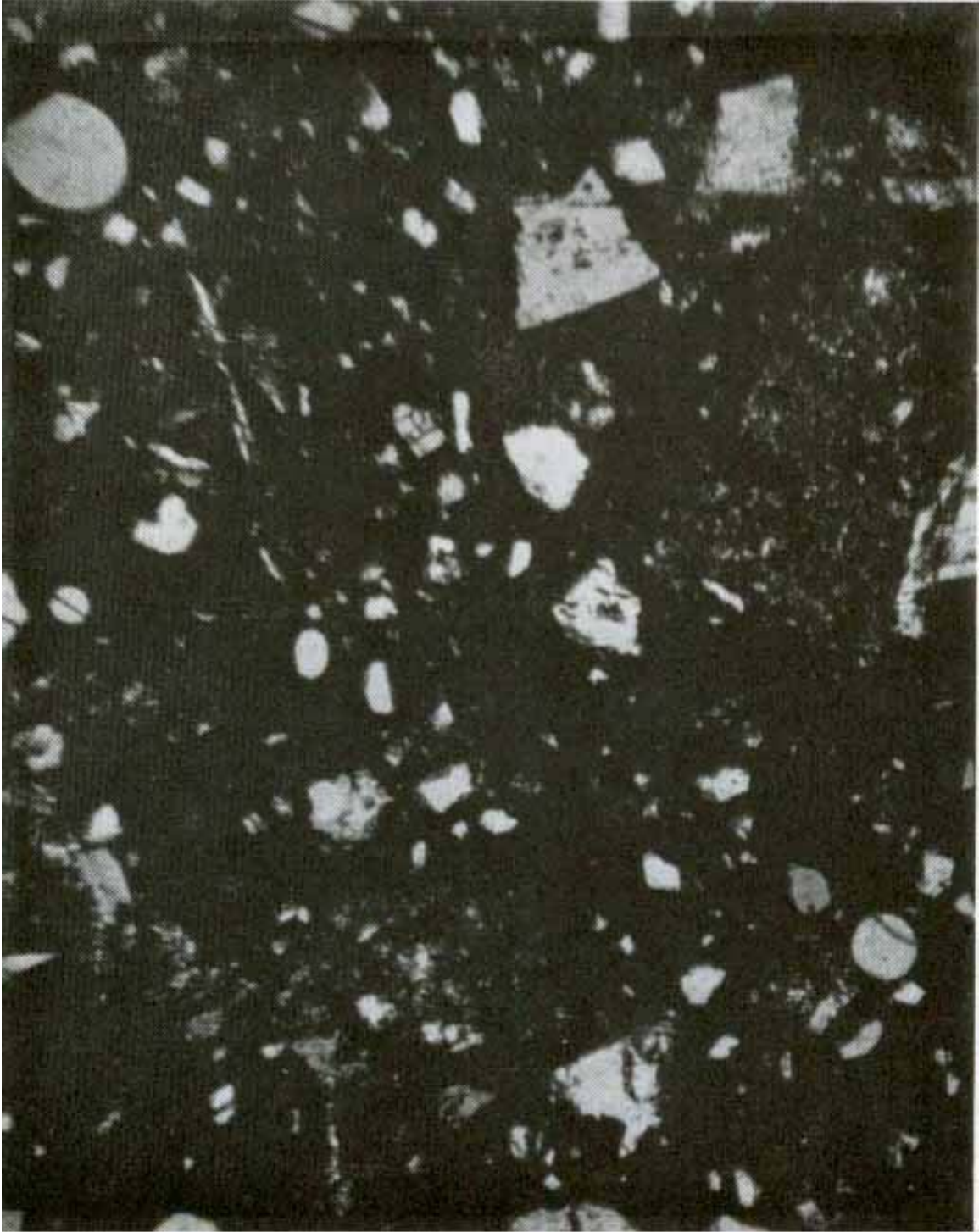


Figure 2. Photomicrograph 15342,4. Transmitted light.  
Width of view ~1.25 mm.