14255

PHYSICAL CHARACTERISTICS

Mass	Dimensions
22.15 g	1.2 x 2.2 x 2.5 cm

Sample 14255 is a medium gray, subangular, blocky, friable fragmental rock.

SURFACE FEATURES

Pits were present on all surfaces at one time, as "is evidenced by remaining glass linings up to 1.0 mm in diameter, however, they have been abraded during transport and/or handling. Glass splash present on some surfaces is very vesicular. Slickensides or grooves converge towards a point on some surfaces as though from a shatter cone. The surface is rough with 0.1-1.0 mm thick glass spatter on three surfaces.

PETROGRAPHIC DESCRIPTION

The sample is a fragmental moderately friable microbreccia or soil breccia (Phinney et al., 1975). No grains are larger than 1.0 mm in diameter. Grains averaging less than 0.1 mm make up 85% of the sample. Gray and white lithic fragments make up less than 5% of the sample. They appear to be largely milky white feldspar with irregular gray areas and are round to subrounded in shape. There are two types of mineral fragments present. Type I is white and is 10-15% of the sample. Most appear subangular to subrounded and are probably crushed plagioclase. Type II is light green olivine occurring as subangular to subrounded grains up to 1.0 mm in size.

Thin section 14255,5 shows the rock to be a glass-rich breccia with 20% of the matrix composed of yellow brown glass. The most numerous large fragments

in the matrix are undevitrified glass shards. A few masses of devitrified glass are also present. There are no clasts in the section. Numerous shards of plagioclase and pyroxene with minor olivine and opaques make up the rest of the matrix. There is a glass coating on one edge.

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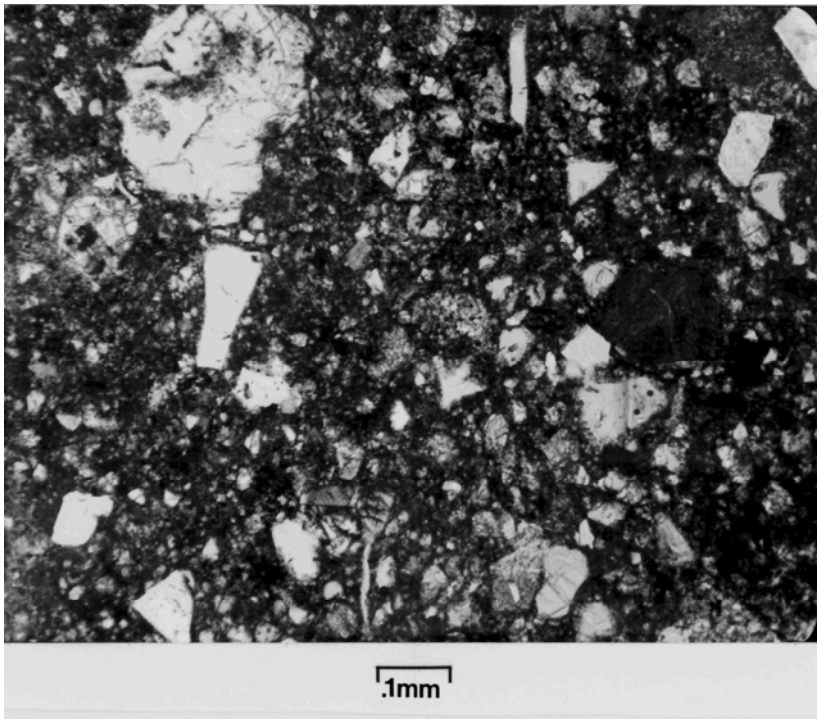

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