14251

PHYSICAL CHARACTERISTICS

Mass	Dimensions
1.51 g	1.5 x 1.0 x 0.8 cm

Sample 14251 is a medium gray, blocky friable fragmental rock.

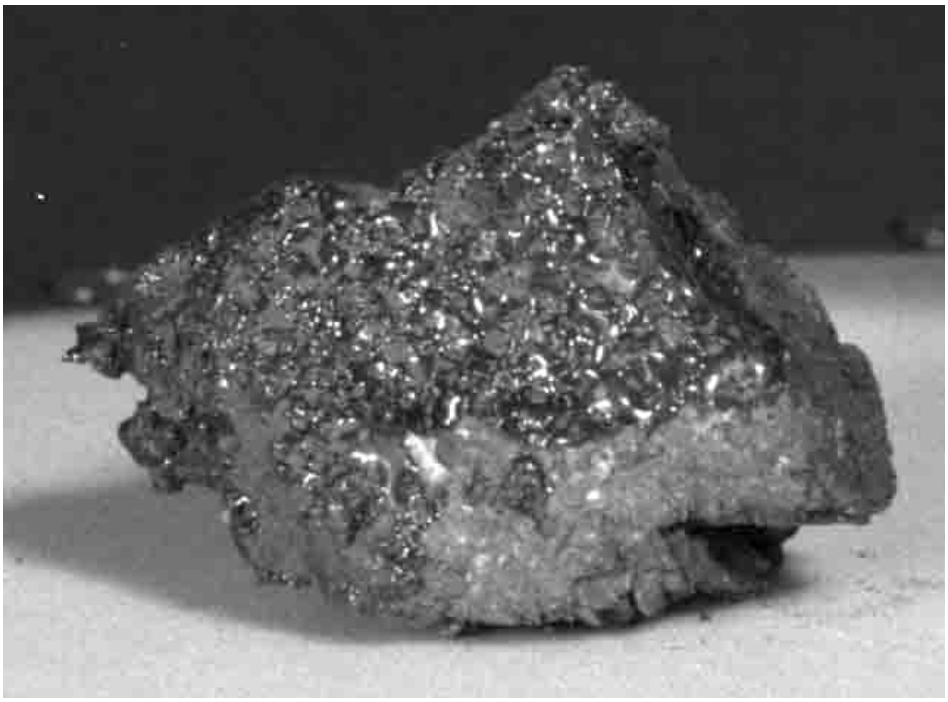
SURFACE FEATURES

Remnant zap pits are present as glass linings. The surface is irregular with a glass coating over one surface. Forty percent of this glass coating contains 0.2 to 0.6 mm diameter vesicles. No vesicles are present in the rock itself. Some surfaces show slickensides or striations which converge towards a point as though from a shatter cone.

PETROGRAPHIC DESCRIPTION

Sample 14251 is described by Phinney et al. (1975) as being a fragmental, friable, microbreccia or soil breccia. None of the grains is larger than 1.0 mm, with 85% less than 0.5 mm. The sample has a seriate texture; with lithic fragments 0.5 - 1.0 mm in size comprising less than 5%of the sample.

These are largely milky white feldspar with irregular gray areas. Grains are gray and white in color and are rounded to subrounded in shape. There are two types of mineral fragments up to 1.0 mm in size. Type I is white and appears to be crushed plagioclase. Fragments are subangular to subrounded in shape and make up 10 - 15% of the sample. Type II is light green olivine occurring as subangular to subrounded grains up to 1.0 mm in size. These are less than 5% of the sample.



Width of image is approximately 2 cm, S-71-25203