

14286

PHYSICAL CHARACTERISTICS

Mass

4.42 g

Dimensions

1.4 x 1.1 x 0.5 cm

Sample 14286 is a medium brownish-gray fragmental rock.

SURFACE FEATURES

The irregular surface has an unusual metal coating up to 1 mm thick over half of it, with one small area of glass splash. Glass lined zap pits up to 2 mm in diameter, are present in the breccia. Pits in the metal coating have upturned, flange-like rims. The metal coating appears to have been deposited in one continuous mass, but erosion by micrometeorites has made the coating discontinuous.

PETROGRAPHIC DESCRIPTION

The sample has a fragmental seriate texture, and is coherent. Seventy to eighty percent of the sample is medium gray and seems to be a mixture of brown, white, and gray fragments less than 0.2 mm in size. Fifteen percent is very light gray lithic fragments subangular to subrounded in shape and commonly 0.5 mm in size. These are as large as 5 mm and are composed of a 50:50 mixture of crushed white plagioclase and a light green mineral in 1 mm sized areas. A second type of lithic clast, represented by one 5 mm fragment is subangular and light gray in color. It has a fine-grained sugary texture and represents less than 5% of the sample. The metal is silver in color and is 5% of the sample. It has differing shades of tarnish from gray to black.



Width of image is approximately 1.6 cm, S-71-26983