

## 14264

### PHYSICAL CHARACTERISTICS

Mass

117.8 g

Dimensions

5.0 x 4.5 x 4.0 cm

Sample 14264 is a dark gray, blocky, tough fragmental rock, described by Phinney et al. (1975) as a vitric (matrix) breccia.

### SURFACE FEATURES

One surface is fresh and rough, but the older surfaces are smooth and contain zap pits. There are a few clusters of rounded cavities less than 1.0 mm in size making up less than 1% of the rock. The fresh surface has a few slit-like cavities. There are a few non-penetrative fractures.

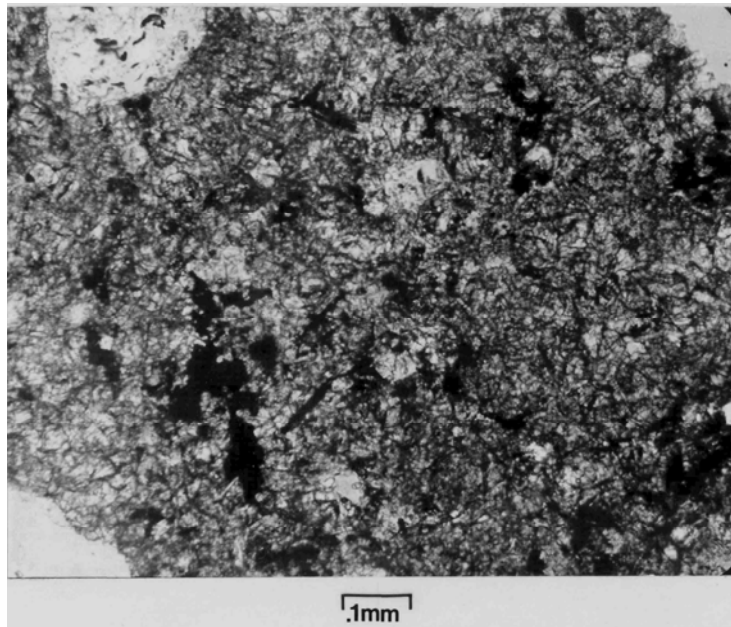
### PETROGRAPHIC DESCRIPTION

Dark gray aphanitic glassy material makes up 65-70% of the sample. Fragments present are of two types. Type I averages less than 5 mm and ranges up to 14 mm. These are lithic clasts which are very light gray and round and comprise 15% of the sample. Clasts contain equal portions of crushed white material (plagioclase) and crushed yellow-brown material in areas 0.5-1 mm across. There is also some scattered black opaque material 0.1-0.3 mm across present in these clasts. Types II are also lithic clasts. They are medium gray and subangular to subrounded in shape. These account for 15% of the sample and range from less than 1 mm up to 5 mm in size. Most are mottled light and dark gray. The dark gray areas seems somewhat vitreous.

Thin section 14264,5 is composed of a holocrystalline mixture of pyroxene, abundant opaque grains and minor plagioclase. This section, therefore, must represent a crystalline clast from the described hand specimen. Some of the larger pyroxene crystals are polygranular. There is a suggestion of segregation in the section which may represent previous clasts and thus this rock may be a recrystallized glass or melt rock.



Width of image is approximately 5.5 cm, S-71-29217



14264,5