

State Department of Geology and Mineral Industries

1069 State Office Building
Portland 1, Oregon

OCCURRENCE OF CINDERS NORTHWEST OF PORTLAND

Multnomah County

Owner: Unknown - works for Multnomah County Road Department. Mr. Pauley, County Road Department, found the deposit.

Location: SE corner sec. 14, T. 2 N., R. 2 W. Elevation 775 feet. Fifty feet south of Logie Trail Road, 1-3/4 miles from junction with Highway U.S. 30.

Geologic setting: Within the area mapped as Tmv, Columbia River basalt. Several flows crop out along the road below and above the cinder occurrence. More work is needed to determine the relationship of the cinders to the Miocene lavas. The possibilities that exist are:

1. That the cinders are interbedded with the Columbia River basalt and exposed by erosion.
2. That they are younger, possibly Boring lava equivalent, and occur:
 - a. In a vent cutting the Tmv.
 - b. As an intracanyon deposit with vent upslope.
 - c. As a landslide mass from a cinder cone originally above the basalt.

The presently mapped northern limits of the Boring lava occur about 5 miles to the south.

Description of the deposit: The rock crops out in a steep canyon along the bank of a creek with an area of exposed material about 10 by 15 feet. The size of the deposit is obscured by vegetation and thin(?) overburden. The top 3 feet has been weathered to a brick red clay mixed with rocks. Below this zone the rock looks fresh and clinkery with cinders, some ropy lava pahoehoe, and aa.

Petrography: A fused glass bead gave an index of refraction of 1.568 to 1.569, which, according to Grant, has from 52 percent to 53 percent SiO₂.

Inspected by: H. G. Schlicker
January 11, 1962

Report by: H. G. Schlicker
January 12, 1962