



EXPLANATION

Recent

Quaternary

Pleistocene (?)

Upper Pliocene (?)

Miocene

Payette formation

Tertiary

Qal
Alluvium

Qt
Terrace deposits
(River gravel of basaltic rocks)

UNCONFORMITY

Qv
Vitrophyre
(Flows of glassy lavas)

UNCONFORMITY

Tl
Lavas
(Largely basalt; some andesite)

UNCONFORMITY

Tt
Yellow tuff member

UNCONFORMITY

Tr
Rhyolite porphyry member
(Flow)

UNCONFORMITY

Tud
Tga
Tld

Upper diatomite member (tud); gray ash member (tga); and lower diatomite member (tld); all separated by unconformities, but mapped together (td) in northern part of area

UNCONFORMITY

Ta
Lower agglomerate and tuff member
(Southeast of Harper some Tl included)

CONFORMITY

Tcr
Columbia River lava

Location of sections on fig. 6

Fault

Geology and topography by Bernard N. Moore, 1931

R.41E.

R.42E.

R.42E.

A. HOEN & CO., LITH.

GEOLOGIC SKETCH MAP OF THE HARPER DIATOMITE DISTRICT, MALHEUR COUNTY, OREGON

Scale 1:62500 3 Miles

Contour interval 100 feet. Datum is mean sea level.

1936

0.9
Vogel & B
0.12
Compare OH 4310
The Ohio State University
180 Ohio Hall, 122 S. Oak Hall
Columbus, Ohio