

LEGEND

SEDIMENTARY ROCKS  
(Areas of ambiguous  
deposits are shown by  
patterns of parallel lines,  
subvertical deposits by  
patterns of dots and  
circles)

- Recent
- Qal  
Alluvium  
(in flood plains of  
present streams)
- Pleistocene
- Og  
Glacial gravel  
(outwash gravel and sands  
of probable glacial age, con-  
taining pebbles of crystalline  
stone and crystalline rock)
- Ocm  
Carmichaels  
formation  
(sand, silt, clay, and water-  
worn particles of sand-  
stone and crystalline rock)
- Ooa  
Older alluvium  
(local derivation)
- Pennsylvanian
- Cam  
Ccm  
Conemaugh  
formation  
with Ames  
limestone and  
Saltsburg  
sandstone  
lenticles  
(sandy shale and coarse  
sandstones, with thin  
coal seams and impure  
limestones)
- Ca  
Cv  
Allegheny  
formation  
and Varnport  
limestone lentil  
(shale and massive sand-  
stones with beds of lime-  
stone and several valua-  
ble beds of coal and fire  
clay)
- Cpv  
Pottsville  
formation  
(massive sandstone, often  
shaly at the top and at  
horizon of Mercer coals)
- Cpo  
Pocono  
formation  
(massive sandstone, with  
small coal seams and  
associated shale)
- Mississippian
- Section  
A  
A

QUATERNARY

CARBONIFEROUS



H.M. Wilson, Geographer in charge.  
Control by S.S. Gannett and E.L. Mc Nair.  
Topography by W.L. Miller and W. Carvel Hall.

SURVEYED IN 1900, IN COOPERATION WITH THE STATE OF PENNSYLVANIA.

APPROXIMATE MEAN  
DECLINATION 1902.

Scale 62500  
1 2 3 4 5 Miles  
1 2 3 4 5 Kilometers

Contour interval 20 feet.  
Datum is mean sea level.  
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Geology by Charles Butts,  
L.H. Woolsey, and Frank Leverett,  
under the direction of Marius R. Campbell.

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