

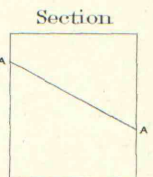
LEGEND

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

- Recent
- Qal Alluvium
(in flood plains of
present streams)
 - Qg Glacial gravel
(outwash gravels and sands
of probable glacial age, con-
taining pebbles of Madison sand-
stone and crystalline rock)
- Pleistocene
- Qcm Carmichaels
formation
(sand, silt, clay, and water-
worn particles of under-
lying rocks)
 - Qoa Older alluvium
(gravel and silt of
local derivation)

- Carboniferous
- Cam Conemaugh
formation
with Ames
limestone and
Saltsburg
sandstone
lenticles
(sandy shale and coarse
sandstones, with thin
coal seams and impure
limestones)
 - Ca Allegheny
formation and Vanport
limestone lentil
(shale and massive sand-
stones with beds of lime-
stone and several valua-
ble beds of coal and fire
clay)

- Mississippian
- Cpv Pottsville
formation
(massive sandstone, often
shaly at the top and at
bottom of Mercer coals)
 - Cpo Pocahontas
formation
(massive sandstone, with
small coal seams and
associated shale)



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

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

APPROXIMATE MEAN
DECLINATION 1900.

Scale 62500
1 1/2 0 1 2 3 4 Miles
1 1/2 0 1 2 3 4 Kilometers

Contour interval 20 feet.
Datum is mean sea level.
Edition of Sept. 1904.

Geology by Charles Butts,
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under the direction of Marius R. Campbell.

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