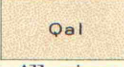
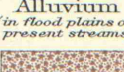
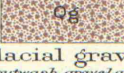
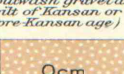
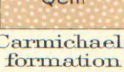
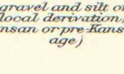
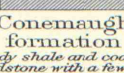


LEGEND

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

- | | | |
|---------------|---------------|---|
| Recent | QUATERNARY |  Qal |
| | | Alluvium
(in flood plains of
present streams) |
| | |  Qg |
| Pleistocene | | Glacial gravel
(outwash gravel and
silt of Kansan or
pre-Kansan age) |
| | |  Qcm |
| | | Carmichael
formation
(gravel and silt of
local derivation;
Kansan or pre-Kansan
age) |
| | |  Ccm |
| Pennsylvanian | CARBONIFEROUS |  Ccm |
| | | Conemaugh
formation
(sandy shale and coarse
sandstone with a few thin
beds of limestone and sand;
some red clay shale beds
give color to the soil) |
| | |  Ca |
| Mississippian | | Allegheny
formation and Vapport
limestone lentil
(shale with thin to massive
sandstones and limestone
lentils; several valuable beds
of coal; fine clay and iron ore;
upper freestone coal at the top) |
| | |  Cpv |
| | | Pottsville
formation
(coarse sandstone or
conglomerate, sometimes
massive, with shale and
thin coal seams) |
| | |  Cpo |
| | | Pocono
formation
(coarse massive sandstone
with irregular beds of shale) |



H.M. Wilson, Geographer in charge.
Triangulation by S.S. Gannett and E.L. McNair.
Topography by Frank Sutton, R.D. Cummin, and J.D. Forster.
Surveyed in 1901.

SURVEYED IN COOPERATION WITH THE STATE OF PENNSYLVANIA.

APPROXIMATE MEAN
DECLINATION 1902.

Scale 1:25,000
1 1/2 0 1 2 3 4 5 Miles
1 1/2 0 1 2 3 4 5 Kilometers

Contour interval 20 feet.
Datum is mean sea level.
Edition of May 1905

Geology by Charles Butts,
under the direction of Marius R. Campbell.
Surveyed in 1902.

SURVEYED IN COOPERATION WITH THE STATE OF PENNSYLVANIA.

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