

AREAL GEOLOGY

PENNSYLVANIA
INDIANA QUADRANGLE



LEGEND

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

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|----------------------|--|---|---------------|
| Recent | | Qal | QUATERNARY |
| | | Alluvium
(in flood plains of present streams) | |
| Pennsylvanian series | | Cem | CARBONIFEROUS |
| | | Conemaugh formation
(sandstone, shale, and limestone with a few small coal beds) | |
| | | Ca
Allegheny formation
(shale, sandstone, thin limestone, few coal beds, and several workable beds of coal. Upper Freeport coal at the top) | |
| Mississippian series | | Cp
Pottsville formation
(massive sandstone and shale) | |
| | | Cm
Mauch Chunk shale
(red and green shale) | |

H. M. Wilson, Geographer in charge.
Control by A. H. Thompson, Frank Sutton, and J. D. Forster.
Topography by Frank Sutton and T. G. Basinger.
Surveyed in 1900 in cooperation with the State of Pennsylvania.

Scale 1:2500
Miles
Kilometers

Contour interval 20 feet.
Datum is mean sea level.
Edition of July 1903.

Marion R. Campbell, Geologist in charge.
Geology by George B. Richardson.
Surveyed in 1901 in cooperation with the State of Pennsylvania.

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