

AREAL GEOLOGY

STATE OF PENNSYLVANIA
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COMMISSIONERS

PENNSYLVANIA
CLAYSVILLE QUADRANGLE

U.S. GEOLOGICAL SURVEY
GEORGE OTIS SMITH, DIRECTOR



LEGEND

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

- | | | |
|---------------|---|---------------|
| Recent | Qal | QUATERNARY |
| | Alluvium
(sand and silt in flood plains of the larger streams) | |
| | Qlt | |
| Pleistocene | Qem | QUATERNARY |
| | Lower terrace deposits
(small, dark, rounded pebbles or local derivation, on low terraces) | |
| Permian | Cg | CARBONIFEROUS |
| | Greene formation
(shale and sandstone with thin limestone and beds of coal) | |
| | Cw | |
| | Washington formation
(sandy shale and coarse sandstone with limestone and beds of coal, Washington coal near middle) | |
| Pennsylvanian | Cm | CARBONIFEROUS |
| | Monongahela formation
(limestone, shale, and sandstone with Wyanosburg coal at top) | |

H. M. Wilson, Geographer.
Robt. D. Cummin, in charge of section.
Topography by M. J. Munn, Assistant, E. W. McCary.
Control by D. H. Baldwin and B. J. Green.
Surveyed in 1904 and 1905.

SURVEYED IN COOPERATION WITH THE STATE OF PENNSYLVANIA.

APPROXIMATE MEAN
DECLINATION 1905.

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

Contour interval 20 feet.

Datum is mean sea level.

Edition of Mar. 1911.

Pre-Quaternary geology by M. J. Munn;
Quaternary geology by E. W. Shaw;
under the supervision of George H. Ashley.
Surveyed in 1905, 1908-1910.

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