

AREAL GEOLOGY

STATE OF PENNSYLVANIA
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COMMISSIONERS

PENNSYLVANIA
BURGETTSTOWN 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)

Qal

Alluvium
(in flood plains of
present streams)

Qlt

Lower terrace
deposits
(sand, silt, clay, and rounded
pebbles of local derivation
on low terraces)

Qcm

Carmichaels
formation
(high terrace sand, silt,
clay, and deeply decayed,
partly rounded, pebbles
of local derivation)

Cg

Greene formation
(dark shale and coarse
argillaceous sandstone)

Cw

Washington
formation
(sandstone, shale, limestone,
and thin coals, Washington
coal near middle)

Cm

Monongahela
formation
(gray shale and limestone
and some sandstone, Weyersburg
coal at top and Titabawassee
coal at base)

UNCONFORMITY?

Ccm

Conemaugh
formation and Ames lime-
stone member
(gray or greenish shale,
sandstone, thin coals,
and some limestones)

40° 15' 80° 15' (Wheeling)
H. M. Wilson, Geographer.
R. D. Cummin, in charge of section.
Topography by M. J. Munn, Assistants, E. W. Mc Crary,
and J. H. Wilkie.
Control by D. H. Baldwin and W. T. Griswold.
Surveyed in 1904.
SURVEYED IN COOPERATION WITH THE STATE OF PENNSYLVANIA.

APPROXIMATE MEAN
DECLINATION 1904.

Scale 32500
1 1/2 0 1 2 3 4 Miles
1 1/2 0 1 2 3 4 5 Kilometers

Contour interval 20 feet.
Datum is mean sea level.
Edition of Aug. 1910.

Geology by W. T. Griswold and E. W. Shaw.
Surveyed in 1904 and 1908.
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