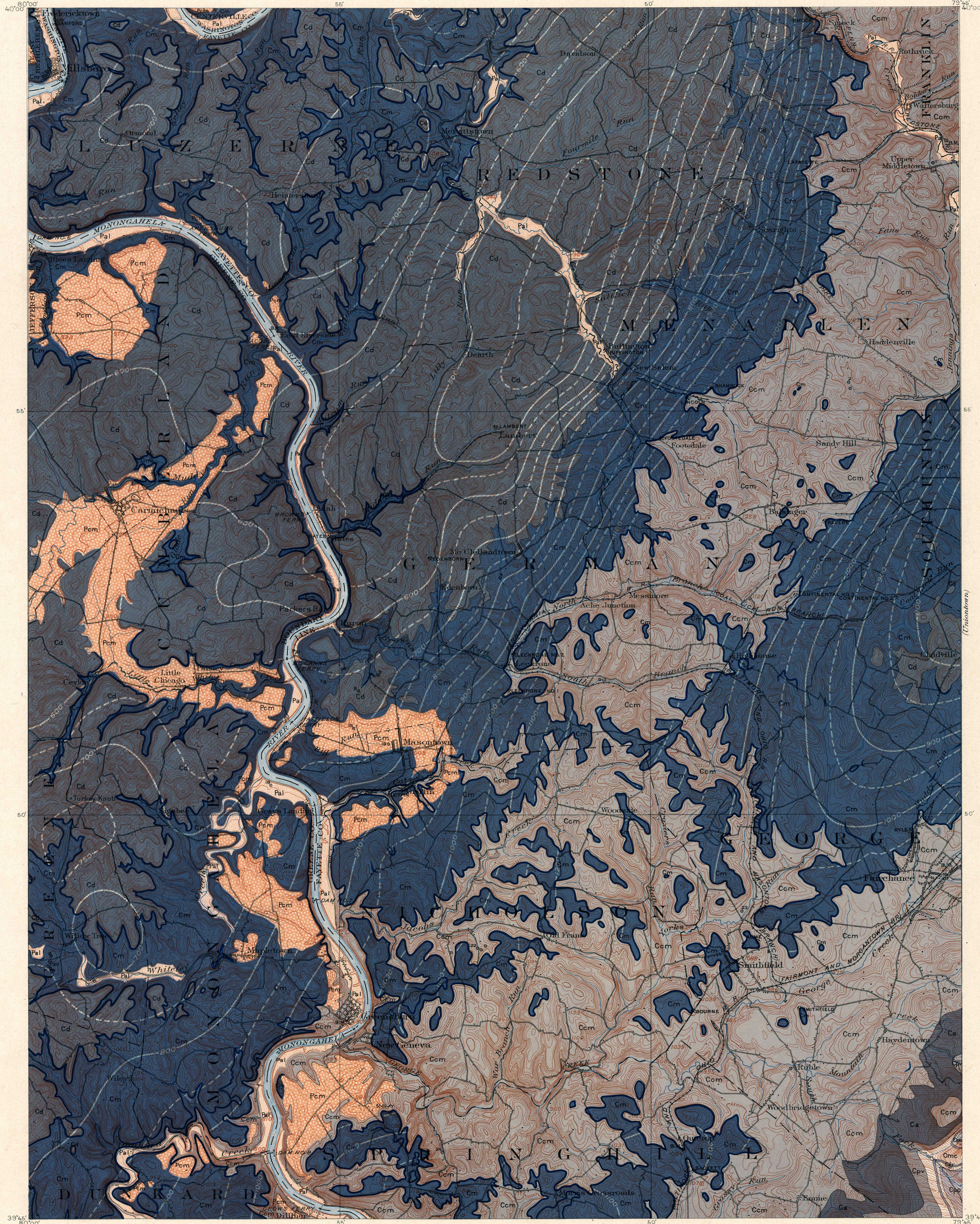


ECONOMIC GEOLOGY SHEET



LEGEND

SURFICIAL ROCKS

(Areas of Surficial rocks are shown by patterns of dots and circles)

Pa1
 Alluvium
 (in flood plains or present streams)

Pcm
 Carmichael clay
 (clay soil and loesslers on terraces and in abandoned channels of the larger streams)

CD
 Dunkard formation
 (fine shale and coarse sandstone with thin limestone and beds of thin coal many of workable size)

Cm
 Monongahela formation
 (shale, limestone and occasionally coarse sandstone with coal at the bottom; thin coal at the top and coal beds of local importance between)

Ccm
 Conemaugh formation
 (sandstone, shale, and limestone with a few small coal beds)

Ca
 Allegheny formation
 (shale, sandstone and clay with several workable coal beds; top proportion coal at the top)

Cpv
 Pottsville sandstone
 (coarse massive white sandstone or conglomerate with some shale; usually coal bed at the middle)

Cmc
 Mauch Chunk shale
 (red and green shale and thin bedded green sandstone)

Cgr
 Greenbrier limestone lentil
 (thin blue fossiliferous limestone in the Mauch Chunk shale)

Cpo
 Pocono sandstone
 (coarse sandstone grading into very sandy limestone at the top and containing sandy shale)

⊗ Coal mines
 ⊗ Pottery clay
 ⊙ Wells drilled for gas and oil

Known productive formations

Coal beds
 (outcrops of coal beds which are probably of workable thickness)

Cm
 Coal
 (Monongahela formation contains the Pittsburg, Wyanetsburg and other coal beds)

Cd-Ca
 Coal
 (Dunkard formation includes the Westmoreland and other coal beds of local importance; Allegheny formation contains the Prosper and Pittsburg coal beds)

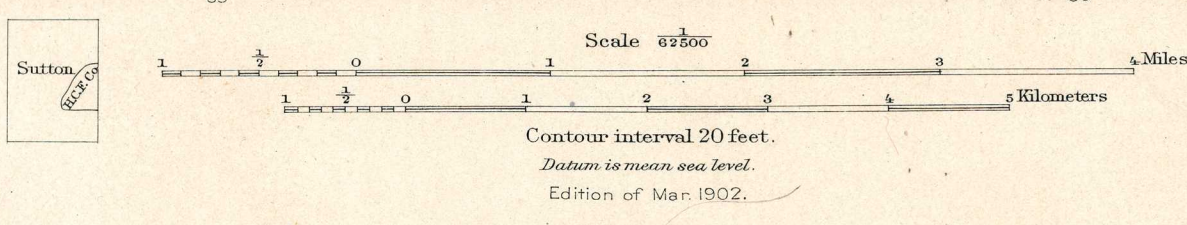
Ccm-Cpv
 Coal
 (Conemaugh formation and Pottsville sandstone contain thin coal beds)

Contour lines showing lay of coal beds
 (the lines indicate position of the Pittsburg coal. Elevation above sea level is shown by figures on the contour lines)

LIST OF WELLS.

- 1 Hugh Thompson. (Gas)
- 2 Thompson. (Gas)
- 3 County Farm. (Dry)
- 4 Parshal. (Gas)
- 5 T. A. Hoover. (Oil)
- 6 Hess. (Gas)
- 7 J. E. McWilliams. (Gas)
- 8 J. V. Hoover. (Gas)
- 9 Gilmore. (Gas)
- 10 Lardin. (Gas)
- 11 Louck. (Brine)
- 12 David Coffman. (Gas)
- 13 Keener-Durr North. (Gas)
- 14 Keener-Durr South. (Gas)
- 15 J. B. Sterling. (Gas)
- 16 E. W. Sterling. (Oil)
- 17 S. T. Gray. (Gas)
- 18 Shay. (Gas)
- 19 Blackshire. (Oil)
- 20 Gregg Farm. (Oil)
- 21 Williams and Reppert. (Gas)
- 22 David Gans. (Gas)
- 23 Smithfield. (Dry)
- 24 Stoner. (Gas)

H. M. Wilson, Geographer in charge.
 Control by S. S. Gannett, Sledge Latum, and A. C. Roberts.
 Topography by Frank Sutton, R. D. Cummin, and H. C. Frick Coke Co.
 Surveyed in 1895 in cooperation with the State of Pennsylvania.



Geology by Marius R. Campbell,
 Assisted by John D. Irving
 and Myron L. Fuller.
 Surveyed in 1900.