

STRUCTURE AND ECONOMIC GEOLOGY

U.S. GEOLOGICAL SURVEY
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STATE OF PENNSYLVANIA
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COMMISSIONERS

PENNSYLVANIA
BARNESBORO QUADRANGLE



LEGEND

SEDIMENTARY ROCKS

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

- | | | |
|----------------------|---|---------------|
| Recent series | Qal | QUATERNARY |
| | Alluvium
(in flood plains of present streams) | |
| Pennsylvanian series | Ccm | CARBONIFEROUS |
| | Conemaugh formation
(shale thin laminae, some red shale, thin coal beds locally workable and occurs thick-bedded sandstones comprising the Morganstown, Co. Sellersburg, Co. and Buffalo, Co. members) | |
| | Ca
Allegheny formation
(chiefly light and dark gray shales with variable beds of coarse gray sandstones and several valuable coal beds, Upper Freeport coal at top) | |
| | Cpv | |
| | Pottsville formation
(thick bedded sandstone with shales in the middle, carrying thin, locally workable) | |

ECONOMIC AND STRUCTURE DATA

Coal outcrops
(dashed lines represent coals not shown in this section)

Upper Freeport
 Lower Freeport
 Lower Kittanning

Structure contours on the top of the Lower Freeport coal
(contour interval, 50 feet, datum, mean sea level)

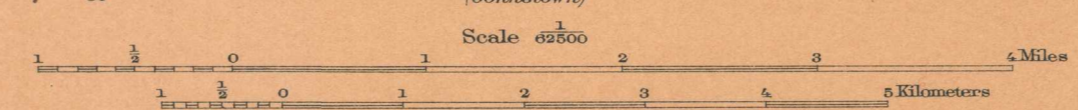
- * Shipping coal mine (unless otherwise specified)
- * Abandoned coal mine
- * County coal bank or prospect
- o Diamond drill hole (only those are shown whose records are represented on outcrop-section sheet)

Note: In addition to the coal resources, clay and shale for brick and tile occur in the Allegheny and Conemaugh formations, and building stone in the Conemaugh formation.

NAMES OF MINES.

- Location indicated on the map by numbers.
1. McKean
 2. Victor No. 29
 3. Rodkey
 4. Hines No. 5
 5. Hines No. 2
 6. Greenwich No. 5
 7. Greenwich No. 8
 8. Pioneer No. 7
 9. Penn-Mary town drift
 10. Penn-Mary No. 1
 11. Penn-Mary No. 3
 12. Penn-Mary No. 2
 13. Penn-Mary No. 5
 14. Penn-Mary No. 4
 15. Kimport
 16. Victor No. 16
 17. Victor No. 15
 18. Victor No. 17
 19. Greenwich No. 1
 20. Greenwich No. 3
 21. Greenwich No. 2
 22. Susquehanna No. 2
 23. Empire
 24. Lancashire No. 9
 25. Lancashire No. 12
 26. Lancashire No. 10
 27. Walnut No. 2
 28. Lancashire No. 3
 29. Moss Creek No. 22
 30. Moss Creek No. 21
 31. Moss Creek No. 23
 32. West Branch
 33. Spangler No. 4
 34. Spangler No. 2
 35. Airport No. 2
 36. Airport No. 1
 37. Walnut No. 4
 38. Walnut No. 1
 39. Walnut No. 3
 40. Spangler No. 1
 41. Victor No. 9
 42. Susquehanna No. 1
 43. Victor No. 4
 44. Spangler No. 25
 45. Brutaker No. 13
 46. Sterling No. 1
 47. Sterling No. 2

H. M. Wilson, Geographer in charge.
Triangulation by A. H. Thompson
Topography by Frank Sutton, E. I. Ireland, and J. S. Daingerfield.
Surveyed in 1902 in cooperation with the State of Pennsylvania.



Scale 62500
Contour interval 20 feet.
Datum is mean sea level.
Edition of May 1913.

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Surveyed in 1904 and 1909.
SURVEYED IN COOPERATION WITH THE STATE OF PENNSYLVANIA.