



EXPLANATION

SEDIMENTARY ROCKS

(Subaqueous deposits shown by parallel lines)

- Ccm**
Conemaugh formation
(gray shale, sandstone, and clay, including some red shale and thin beds of limestone and coal)
- Ca**
Allegheny formation
(chiefly gray and dark shale with local beds of clay and sandstone and several workable beds of coal; Upper Freeport coal at top; Johnstown limestone member directly underlies the Upper Kittanning coal)
- Cpv**
Pottsville formation
(heavy-bedded gray sandstone with interbedded shale, clay, and thin beds of coal)
- UNCONFORMITY**
- Cmc**
Mauch Chunk shale
(red and green shale with subordinate sandstone and thin lenses of limestone)
- Clh**
Loyalhanna limestone
(siliceous limestone)
- Cpe**
Pocono formation
(gray sandstone and sandy shale)
- Dck**
Catskill formation
(red sandstone and shale)
- Dch**
Chemung formation
(greenish-gray sandstone and shale)

CARBONIFEROUS
DEVONIAN

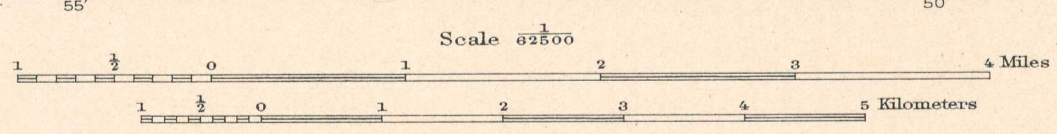
(New Richmond)

(Johnstown)

(Shenandoah)

(Windber)

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Surveyed in 1913-1914.



Scale 62500
Contour interval 20 feet.
Datum is mean sea level.
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Geology by G. B. Richardson.
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