AREAL GEOLOGY STATE OF PENNSYLVANIA
GEORGE W.MCNEES, RICHARD R.HICE, ANDREW S. MCCREATH
COMMISSIONERS PENNSYLVANIA CLARION QUADRANGLE U.S.GEOLOGICAL SURVEY GEORGE OTIS SMITH, DIRECTOR LEGEND HAGHLAND SEDIMENTARY ROCKS Qal Alluvium
(in flood plains of present streams) Qlt Lower terrace deposits

(sand, silt, clay, and rounded pebbles of local derivation on low terraces) Carmichaels formation
(high terrace sand, sitt, c
and deeply decayed wa
worn pebbles of local de Ccm Conemaugh
formation
(soft olive shale, sandy sh
and locally heavy sandst
near base, with thin coals,
limestones) Mechanicsville Frampton PO Allegheny formation and Vanport limestone member Pottsville formation (massive sandstone with large shale lenses and thin seams of coal) UNCONFORMITY Cbg Burgoon sandstone R Pre-Quaternary geology by E.F. Lines. Quaternary geology by E.W. Shaw. Surveyed in 1907 and 1910. H.M.Wilson, Geographer.
Robt. D. Cummin and J.H.Jennings, in charge of section.
Topography by Robt. D. Cummin and E.W. McCrary.
Control by E.L.McNair and W.T. Griswold.
Surveyed in 1905 and 1906. Scale $\frac{1}{62500}$ 4 Miles SURVEYED IN COOPERATION WITH THE STATE OF PENNSYLVANIA. 4 5 Kilometers SURVEYED IN COOPERATION WITH THE STATE OF PENNSYLVANIA. Contour interval 20 feet. Datum is mean sea level.

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