

STRUCTURE AND ECONOMIC GEOLOGY

PENNSYLVANIA
ELDERS RIDGE QUADRANGLE



LEGEND

SEDIMENTARY ROCKS
(Areas of subsurface
deposits are shown by
patterns of parallel lines;
subsurface deposits by
patterns of dots and
circles)

Qal

Alluvium
(in flood plains of
present streams)

Qcm

Carmichaels
formation
(clay and boulders
on terrace)

Cm

Monongahela
formation
(shale, limestone, and
occasionally coarse
sandstone, Pittsburg
coal at the bottom)

Ccm

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

Ca

Allegheny
formation and Vauport
limestone lentil
(shale, sandstone, thin
limestone, fine clay, and
several beds of coal;
Upper Vauport coal at
the top)

Coal mines
Local coal banks
Salt wells
Deep wells, product unknown

Sections of numbered
wells are shown on
well section sheet

Known
productive
arens

Important coal
(area underlain by
Pittsburg coal)

Coal outcrops
(Pittsburg sh., Upper
Vauport, and Lower
Vauport, V. coals)

Structure contours
(showing the elevation
above sea level and the top
of the Upper Vauport
coal horizon)

QUATERNARY

CARBONIFEROUS

(Indians)

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Triangulation by A. H. Thompson
Topography by Frank Sutton, E. B. Clark, and J. H. Wheat
SURVEYED IN 1902 IN COOPERATION WITH THE STATE OF PENNSYLVANIA.

Scale 1:25,000
Miles
Kilometers

Contour interval 20 feet.
Datum is mean sea level.
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