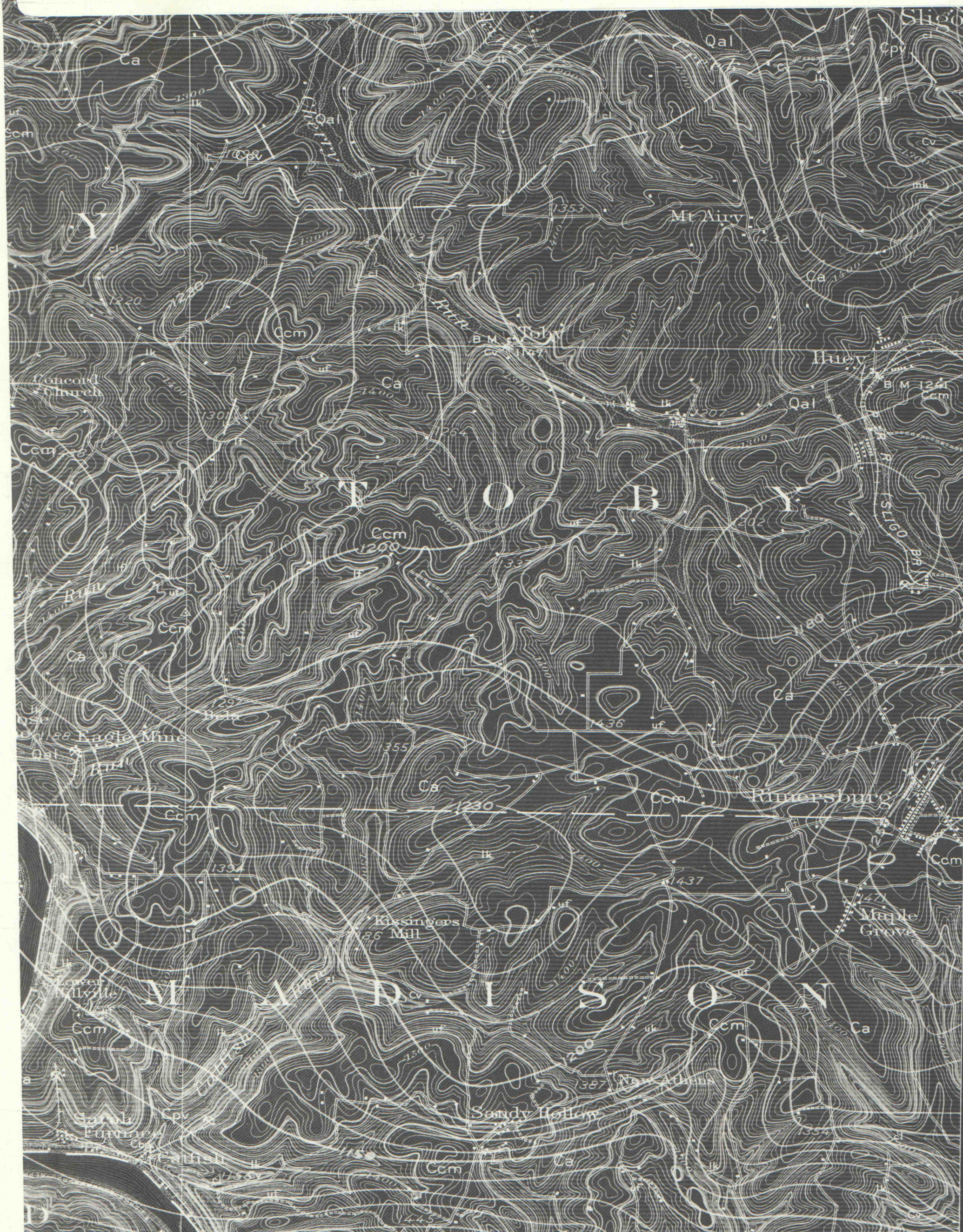


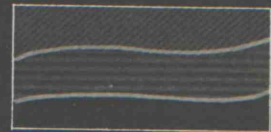


Mississippian (P)



Meadville shale member
of the Cuyahoga
formation
(hard black to gray sandy
shale with pebble layer
at top)

ECONOMIC AND
STRUCTURE DATA



Coal outcrops and
area underlain by
workable coal

uf, Upper Freeport coal
lf, Lower Freeport coal
uk, Upper Kittanning coal
mk, Middle Kittanning coal
lk, Lower Kittanning coal
cl, Clarion coal



Structure contours
drawn on the top of the
Vanport limestone
(contour interval is 10 feet,
datum is mean sea level)

⊗ Mines and quarries
(coal unless otherwise specified)

Note: Most of the workable coals
are in the Allegheny; thin coals
in Conemaugh and Pottsville;
limestone and cement materials
in Allegheny and Conemaugh;
clay and shale for brick and
tile in all Carboniferous forma-
tions; building stone in Burgoon,
Pottsville, Allegheny, and Cone-
maugh; iron ore in Pottsville
and Allegheny; glass and build-
ing sand in Pottsville and Bur-
goon; gravel and sand in allu-
vium and terrace deposits.
Distribution of oil and gas
wells and pools shown on
separate map.

3 4 Miles
5 Kilometers

Geology by E.W.Shaw.
Surveyed in 1908.

SURVEYED IN COOPERATION WITH THE STATE OF PENNSYLVANIA.

79° 41' 00"
30' (Rural Valley)

1 MAPS # 10296