

TOPOGRAPHY

STATE OF PENNSYLVANIA
GEORGE W. MCNEES, RICHARD R. HICE, ANDREW S. MCCREATH
COMMISSIONERS
(Jamestown)

PENNSYLVANIA-NEW YORK
WARREN QUADRANGLE

U.S. GEOLOGICAL SURVEY
GEORGE OTIS SMITH, DIRECTOR

LEGEND

RELIEF printed in brown

Figures
showing heights above
mean sea level, instru-
mentally determined

Contours
showing height above
sea horizontal form,
and steepness of slope
of the surface

Depression
contours

DRAINAGE printed in blue

Streams

Intermittent
streams

Reservoirs and
ponds

Springs

Marshes

CULTURE printed in black

Roads and
buildings

Churches, school-
houses, and
cemeteries

Private and
secondary roads

Trails

Railroads

Electric
railroads

Bridges

Ferries

Fords

Dams

Oil tanks

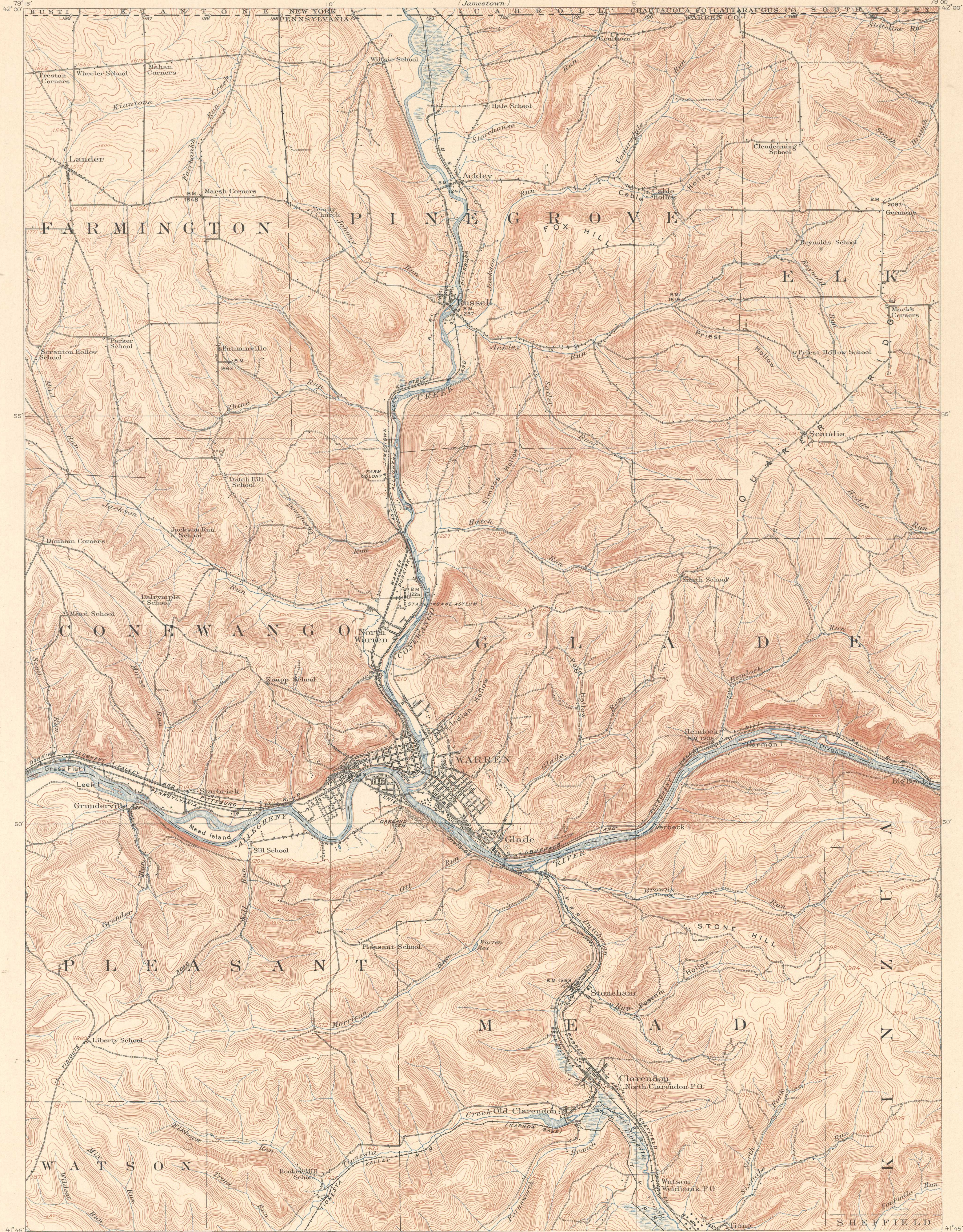
State line and
monuments

Township lines

City, village, and
borough lines

Triangulation
stations

Bench marks



H. M. Wilson, Geographer.
Robt. D. Cummin and J. H. Jennings, in charge of section.
Topography by Hoyt L. Johnston, Assistant, B. D. Stewart.
Control by E. L. McNair and Robt. D. Cummin.
Surveyed in 1905 and 1906.

SURVEYED IN COOPERATION WITH THE STATE OF PENNSYLVANIA.

APPROXIMATE MEAN
DECLINATION 1906.

Scale 62500
1 2 3 4 Miles
1 2 3 4 5 Kilometers
Contour interval 20 feet.
Datum is mean sea level.

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