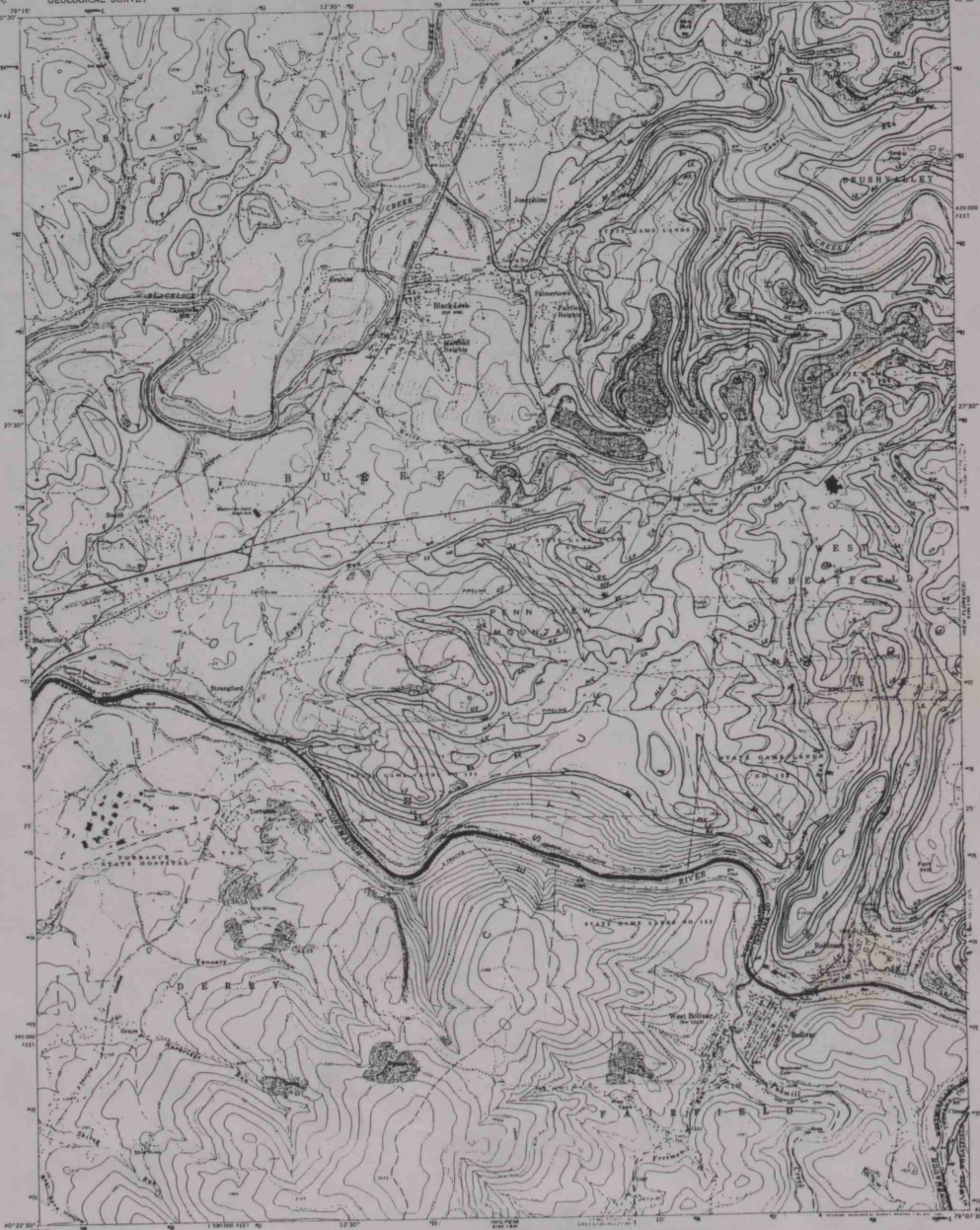


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
TOPOGRAPHIC AND GEOLOGIC SURVEY

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BOLIVAR QUADRANGLE
PENNSYLVANIA
7.5 MINUTE SERIES (TOPOGRAPHIC)



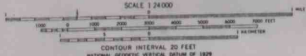
Mapped, edited, and published by the Geological Survey
Control by USGS, NAD83, and USGS

Topography by photogrammetric methods from aerial photography
taken 1962. First checked 1964

Horizontal projection. 11,000-foot grid. Data based on Pennsylvania
coordinate system, north zone. 1983 and 1984. Vertical
projection and scale, zone 17, datum to 1983 North American
datum. To project to the Pennsylvania State Plane Datum,
1983 zone the projection zone 8 meters south and 20 meters east
or 8 meters to datum zone 1983.

Flow not detailed line indicate selected lines and field lines where
generally visible on aerial photography. This information is not
shown on the Pennsylvania State Plane Datum. This information is not
shown on the Pennsylvania State Plane Datum.

There may be private information within the boundaries
of the National or State information within the map.



CIAL CROP LINES

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A COLOR REPRODUCTION OF THIS MAP IS AVAILABLE ON REQUEST



ROAD CLASSIFICATION
Heavy Duty
Medium Duty
Light Duty
Unimproved Rd.
U.S. Route
State Route

BOLIVAR, PA.

INDEX 5--N7907 5-7.5

PHOTOGRAPHIC COPY 1981
Data from 1981/1982/1983

Pennsylvania Geological Survey
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Reservoir shown in purple and woodland compact in comparison with
Compendium of Pennsylvania agriculture from aerial photography taken 1977
and other sources. This information not hard checked. Map dated 1981