UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SHUMANS QUADRANGLE
PENNSYLVANIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE/4 CATAWISSA 15' QUADRANGLE

5766 II SW (BLOOMSBURG)
5766 II SW (BERWICK)
5765 IV NW (CATAWISSA)
5765 I NW (NUREMBERG)
(MOUNT CARMEL) 5765 IV SW
(SHENANDOAH) 5765 I SW
(ASHLAND) 5765 IV SE

76°22'30" 41°00'
76°15' 41°00'
40°52'30"
17'30" 57'30" 55'
20'

2 380 000 FEET (SOUTH)
2 390 000 FEET (NORTH)
2 410 000 FEET (NORTH)
600 000 FEET (SOUTH)
300 000 FEET (NORTH)
270 000 FEET (NORTH)
570 000 FEET (SOUTH)

386000m E. 387 388 389 390 391 392 393 394000m E.
4539000m N. 4538 4537 4536 4535 4534 4533 4532 4531 4529 4527 4526 4526000m N.

3.5 MI. TO U.S. 11
20' MIFFLINVILLE 2.5 MI.
BLOOMSBURG 5.3 MI.
EAST BLOOMSBURG 3.9 MI.
FIVE POINTS 5.7 MI.
HAZLETON 17 MI.
MOUNTAIN GROVE 2.4 MI.
CONYNGHAM 11 MI.
ZION GROVE 3.5 MI.
MAHANOY CITY 13 MI.
2.6 MI. TO PA. 142
SLABTOWN 2.4 MI.
NUMIDIA 1.6 MI.
NEWLIN 0.5 MI.
RINGTOWN 7.8 MI.
SHENANDOAH 11 MI.

MAIN MIFFLIN MOUNTAIN
McCAULEY MOUNTAIN
BUCK MOUNTAIN
NESCOPECK
CATAWISSA
BEAVER
ROARING CREEK
LOCUST VALLEY
NORTH UNION
UNION

Mainville
Mifflin Cross Roads
Scotch Valley
Dogtown
Shumans
Harkens Ch
Beaver Sch
Pumping Sta
Michaels Cem
Kulp Ch
Kulp
Mill Grove
Newlin
Dunker Hill
Scotch Run
Dry Ridge
Full Mill Hill
Fisher Run
Mill Run
Roaring Creek
Reading
Catawissa
Pennsylvania
STATE GAME LODGE RESERVE
Hollow
BM 649
BM 1074
BM 1111
BM 1107
BM 1061
BM 1058
BM 1176
BM 1089

EXPLANATION

Outcrop of base of geologic formation containing coal beds ....

Outcrop of lowest presently mined coal — — — — —

Shoreline of mine-water pool ————————

+ Site of mine water discharge on land surface

(1) Discharge reference number in table below

TABLE OF DATA FOR THIS MAP

Site	Mine or Discharge site name	Description of discharge site	Average flow (gpm)	pH
1	McCauley Mountain mine	Overflow	200	-

1967

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography from aerial photographs by multiplex methods
Aerial photographs taken 1942. Field check 1944
Culture revised 1955

Polyconic projection. 1927 North American datum
10,000-foot grids based on Pennsylvania coordinate system, north and south zones
1000-meter Universal Transverse Mercator grid ticks, zone 18, shown in blue

MN GN
9° 160 MILS
0°52' 15 MILS
UTM GRID AND 1955 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24000
1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 5 0 1 KILOMETER
CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

PENNSYLVANIA
QUADRANGLE LOCATION

ROAD CLASSIFICATION
Heavy-duty ——— Light-duty ———
Medium-duty ——— Unimproved dirt - - - - -
U. S. Route State Route

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

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SHUMANS, PA.
NE/4 CATAWISSA 15' QUADRANGLE
N4052.5—W7615/7.5

1955

AMS 5765 IV NE—SERIES V831