UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
TOPOGRAPHIC AND GEOLOGIC SURVEY

EMPORIUM QUADRANGLE
PENNSYLVANIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW/4 EMPORIUM 15' QUADRANGLE

5367 II NE (NORWICH)
5367 II NE (AUSTIN)
5367 II NW (KEATING SUMMIT)
5367 III SE (RICH VALLEY)
5366 IV NE (WEST CREEK)
5366 I NW (CAMERON)
5367 II SE (WHARTON)
(FIRST FORK) 5367 I NE

78°15′ — 78°07′30″ — 41°37′30″ — 41°30′ — 12′30″ — 10′ — 35′ — 32′30″

1 870 000 FEET — 1 890 000 FEET — 530 000 FEET — 490 000 FEET

730 000m E. — 731 — 734 — 735 — 736 — 737 — 738 — 739 000m E.

4611 000m N. — 4610 — 4609 — 4608 — 4607 — 4606 — 4605 — 4604 — 4603 — 4602 — 4601 — 4600 — 4599 000m N. — 4598

KEATING SUMMIT 4.8 MI.
PORT ALLEGANY 15 MI.
KEATING SUMMIT 4.3 MI.
KEATING SUMMIT 5.5 MI.
47 MI. TO PA. 46
AUSTIN (JUNC. PA. 872) 8.3 MI.
KEATING SUMMIT (JUNC. PA. 155) 8.5 MI.
COSTELLO (JUNC. PA. 872) 6 MI.
SMETHPORT 25 MI.
LOCKWOOD 17 MI.
ST. MARY'S 18 MI.
HOWARD 4.4 MI.
WHARTON 9.3 MI.
CAMERON 4.5 MI.
DRIFTWOOD (JUNC. PA. 555) 15 MI.
CAMERON 4.7 MI.

MC KEAN CO
CAMERON CO
POTTER CO
MC KEAN CO
POTTER CO
CAMERON CO

N O R W I C H
P O R T A G E
P O R T A G E
L U M B E R

North Branch Indian Run
Indian Run
South Branch Indian Run
Parker Run
Gardeau
Sears Hol
Kreitner Hol
Weiss Hol
PENN CENTRAL
SINNEMAHONING
Don Hill
Stony Pitch Draft
Bryner Hol
Still Run
Still Run Hol
Sizer Run
Hickok Hol
Fourpaths
Dodge Hol
Stone Chimney Hollow
Kimball Run
Stone Hol
Cahen Hol
Downey Run
Eddy Run
Big Jackson Hol
Little Jackson Hol
Plank Road
Wheaton Hollow
Arnold Hol
Dark Barn Hol
Ames Hol
Cowley Run
Sizerville
Sizerville Park
McDOWELL TRAIL
Reese Hol
West Branch Emeigh Run
Root Hol
Fee Run
Cowley Run
Nady Hol
Double Barrel Hol
Buffalo Switch Hol
BUFFALO SWITCH TRAIL
East Branch Cowley Run
Beat Pen Hollow
Mackey Hollow
Mackey Hollow Trail
Williams Hol
Crooked Run
Slaughter House Hol
Forbidding Hol
HAYFIELD BOUNDARY
SWITCHBACK TRAIL
PINE CAMP TRAIL
Hayfield Hol
Eason Hol
Lucore Hollow
Redrun Hollow
Upper Reservoir
Russell Hollow
Panther Lick Draft
Salt Run Reservoir
Wheatfield Hollow
Wheatfield Run
Bucher Run
STEAM MILL TRAIL
McINDIE TRAIL
CHICAGO SPRINGS TRAIL
WILEY TRAIL
HACKETT TRAIL
Hunting Shanty Run
Mc Kinney Run
Steam Mill Branch
Brewer Branch
Climax Hollow
Prospect Park
EMPORIUM
(BM 1075)
Newton Cem
St Marks Cem
Airport
City Park
DRIFTWOOD BRANCH SINNEMAHONING CREEK
WEST CR
PENN CENTRAL
PIPELINE
POWER CENTER
Levee
Salt Run
Pigeon Hol
Russell Hollow
Wheatfield Hollow
Bucher Run
Chicago Springs Trail
Mc Kinney Run
Steam Mill Branch
Brewer Branch
Hunting Shanty Run
Mackey Hollow Trail
Beat Pen Hollow
East Branch Cowley Run
Cowley Run
Sizerville Park
Prospect Park
Newton Cem
St Marks Cem
Airport
City Park
EMPORIUM (BM 1075)

BM 1310 — BM 1293 — BM 1209 — BM 1188 — BM 1159 — BM 1107 — BM 1093 — BM 1054 — BM 1074 — BM 1030 — BM 1151 — BM 1322 — BM 1477 — BM 2506
1366 — 1223 — 1187 — 1177 — 1147 — 1968 — 1884 — 1647 — 1926 — 1636 — 1741 — 1832 — 1448 — 2379 — 2275 — 2108 — 2049 — 1483

SCALE 1:24 000
1 MILE — 1000 0 1000 2000 3000 4000 5000 6000 7000 FEET — 1 KILOMETER

CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

MN — GN — 8° 142 MILS — 1°52′ 33 MILS
UTM GRID AND 1971 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography from aerial photographs by multiplex methods
Aerial photographs taken 1945. Field check 1948

Polyconic projection. 1927 North American datum
10,000-foot grid based on Pennsylvania coordinate system, north zone

Civil division boundaries are approximate

1000-meter Universal Transverse Mercator grid ticks, zone 17, shown in blue

Revisions shown in purple compiled in cooperation with State of Pennsylvania agencies from aerial photographs taken 1971. This information not field checked

Map photoinspected 1983
No major culture or drainage changes observed

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225 OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

PENNSYLVANIA
QUADRANGLE LOCATION

To place on the predicted North American Datum 1983, move the projection lines 3 meters south and 23 meters west as shown by dashed corner ticks

ROAD CLASSIFICATION

HARD-SURFACE ALL WEATHER ROADS		DRY WEATHER ROADS	
Heavy-duty	4 LANE \| 6 LANE	Improved dirt	
Medium-duty	4 LANE \| 6 LANE	Unimproved dirt	
Loose-surface, graded, or narrow hard-surface			

U. S. Route — State Route

EMPORIUM, PA.
SW/4 EMPORIUM 15' QUADRANGLE
41078-E2-TF-024
PHOTOINSPECTED 1983
1948
PHOTOREVISED 1971
DMA 5367 II SW—SERIES V831

USGS NMD HISTORICAL MAP
MAY 03 1989
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INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1989