UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF MARYLAND
MARYLAND GEOLOGICAL SURVEY

BITTINGER QUADRANGLE
MARYLAND-GARRETT CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

5163 III NE (ACCIDENT)
5163 II NW (GRANTSVILLE)
5163 II NE (AVILTON)
(DEER PARK) 5162 IV NE
(MC HENRY) 5163 III SE
(BARTON) 5163 II SE
(KITZMILLER) 5162 I NW
(WESTERNPORT) 5162 I NE

79°15′ 12′30″ 10′ 79°07′30″
39°37′30″ 35′ 32′30″ 39°30′
4387000m N. 651000m E. 652 653 654 655 656 657 658 659 660 4374000m N. 661000m E.
200 000 FEET 650 000 FEET 620 000 FEET
4387 4386 4385 4384 4383 4382 4381 4380 4379 4378 4377 4376 4375 4374

GRANTSVILLE (JUNC. U.S. 40) 6.5 MI.
6.3 MI. TO U.S. 40
NEW GERMANY 1 MI.
MCHENRY (JUNC. U.S. 219) 7.4 MI.
THAYERVILLE 5 MI.
SWANTON 3.8 MI.
BLOOMINGTON 4.8 MI.
PIEDMONT W. VA. 6.3 MI.

Cassleman River
North Branch
South Branch
Bear Hill Sch
Maynardier Ridge
Maynardier Ridge Ch
Browning Bear Hill
Bittinger
Brenneman Hill
Cunningham Swamp
Pleasant Valley Recreation Center
Cunningham Lake
Bittinger Fire Tower
Meadow Mountain Mission
Meadow Mountain Ch
Rhodes Cem
Contrary Knob
Monkey Lodge Hill
North Glade
Blackhawk Sch
Pine Hill
Blossom Hill
Dry Run Sch
Fort Hill
Chestnut Knob
Murphy Cem
Mt Nebo
Buck Hill
Jenkins Hill
Fairview
Rhodes Hill
Floyd
Savage River Dam
Meadow Mountain Run
Mountain Run
Meadow Run
Valley Run
Pleasant Run
Monroe Run
Blackhawk Run
Double Lick Run
Spring Lick Run
North Glade Run
Tom Run
Toms Spring Run
Middle Run
Big Run
Miller Run
Bear Run
Horse Ridge Run
Whisky Hollow Run
Custer Hollow Run
Silver Bell Run
Pine Swamp Run
Poplar Lick Run
Solomon Ridge
Middle Ridge
Peabody Ridge
Tom Ridge
Meadow Mountain
Savage River Mountain
Big Savage Mtn
Backbone Mtn
Savage River State Forest
Savage River Reservoir
Savage River Road
Meadow Mountain Road
Monroe Mountain Road
Savage River Mountain Road
Baltimore and Ohio RR
Glades Creek
Gratter Creek
Pine Creek
Big Savage Mtn Trail

BM 2673 · 2534 · 2585 · 2460 · 2628 · 2706 · 2675 · BM 2711 · 2698 · 2540 · 2525 · 2557 · 2363 · 2620 · 2604 · BM 2613 · 2659 · 2592 · 2467 · 2846 · 2508 · 2597 · BM 2617 · 2692 · 2652 · BM 2561 · 2555 · 2601 · 2656 · BM 2503 · 2650 · 2536 · 2521 · BM 2446 · BM 2523 · 2355 · BM 2210 · 2535 · 2472 · 1845 · 1481 · 1517 · 1469 · 1488 · 1513 · 1485 · 1508 · 1592

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography from aerial photographs by multiplex methods
Aerial photographs taken 1946. Field check, 1947

Polyconic projection. 1927 North American datum
10,000 foot grid based on Maryland coordinate system
1000-meter Universal Transverse Mercator grid ticks,
zone 17, shown in blue

Extent of state forest areas uncertain

Revisions shown in purple compiled from aerial photographs taken 1974. This information not field checked

MN GN
6° 107 MILS
1°09′ 20 MILS
UTM GRID AND 1974 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000
1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

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

MARYLAND
QUADRANGLE LOCATION

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

USGS
HISTORICAL FILE
TOPOGRAPHIC DIVISION

BITTINGER, MD.
N3930-W7907.5/7.5

1947
PHOTOREVISED 1974
AMS 5163 II SW—SERIES V833

NOV 19 1975

● INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1975