UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

COMMONWEALTH OF VIRGINIA
DIVISION OF MINERAL RESOURCES
JAMES L. CALVER, STATE GEOLOGIST

GROTTOES QUADRANGLE
VIRGINIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE/4 HARRISONBURG 15' QUADRANGLE

5260 IV NW (BRIDGEWATER)
5260 I NW (ELKTON WEST)
5260 IV NE (HARRISONBURG)
5260 IV SW (MOUNT SIDNEY)
5260 I SW (MC GAHEYSVILLE)

78°52'30" 38°22'30" 78°45' 38°15'

686 000m E. 687 688 689 690 691 692 693 694 695 696 000m E.

4249 000m N. 4248 4247 4246 4245 4244 4243 4242 4241 4240 4239 4238 4237 4236 000m N.

1.3 MI. TO U.S. 33
HARRISONBURG 7 MI.
1.5 MI. TO VA. 276
47'30"
1 920 000 FEET
250 000 FEET
20'
17'30"
220 000 FEET
STAUNTON (VIA U.S. 11) 15 MI.
VERONA 3.5 MI.
MC GAHEYSVILLE 1.2 MI.
ELKTON 8 MI.
ELKTON (U.S. 33) 11 MI.
WEYERS CAVE 2.6 MI.
MADRID 8 MI.
HARRISTON 2.3 MI.
WAYNESBORO 14 MI.
(CRIMORA) 5260 III NE
(FORT DEFIANCE) 5260 III NW
(BROWNS COVE) 5260 I NW

1 900 000 FEET 50'

BM 1433 · BM 1364 · BM 1264 · BM 1195 · BM 1187 · BM 1208 · BM 1183 · BM 1117 · BM 1094 · BM 1055 · BM 1174 · BM 1132 · BM 1286 · BM 1356 · BM 1424

Cross Keys · Cross Keys Battle Mon · Goods Mill · Mill Creek Ch · Timber Ridge · Shady Grove Cem · Longs Hill · Pineville · Mt Olive Ch · Montevideo · High Sch · Cem · Mountain Grove Ch · Gaging Station · Lynnwood · Cem · Port Republic · Port Republic Cem · Port Republic Battle Mon · Gravel Pit · Grottoes · Substation · Mt Vernon Ch · Mt Meridian · Gaging Station · Grand Cavern · Old Forge Cem · Water Tank · Cave Hill · Austin Mtn · Gate · Madison Run Road

Cross Keys Run · Dry Fork Creek · Mill Creek · Mill Run · Cub Run · Lower Lewis Run · Madison Run · Jeep Trail · Road

CHESAPEAKE AND WESTERN RAILWAY 4 LANE

NORTH RIVER · SOUTH RIVER · NORTH FORK SHENANDOAH RIVER · SOUTH FORK SHENANDOAH RIVER

ROCKINGHAM CO
AUGUSTA CO

SHENANDOAH NATIONAL PARK
MADISON RUN RESTRICTED
NAT PARK

Mapped, edited, and published by the Geological Survey

Control by USGS, USC&GS, and USCE

Topography by photogrammetric methods from aerial photographs taken 1963. Field checked 1964

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

Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked

MN 5½° 98 MILS GN 1°21' 24 MILS
UTM GRID AND 1964 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
DOTTED LINES REPRESENT 10-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

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

USGS
Historical File
Topographic Division

VIRGINIA
QUADRANGLE LOCATION

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

2555

GROTTOES, VA.
SE/4 HARRISONBURG 15' QUADRANGLE
N3815—W7845/7.5

1964

AMS 5260 IV SE—SERIES V834

U.S.G.S.
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TOPOGRAPHIC DIVISION
JUL 5 1966

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