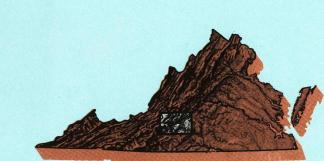
Roanoke

VIRGINIA

topographic map

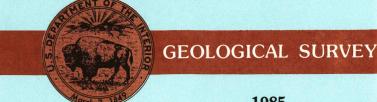
1:100 000-scale metric



37079-A1-TM-100

30 X 60 MINUTE QUADRANGLE SHOWING

- Contours and elevations
- in motors and elevation
- Highways, roads and other
- manmade structures
- Water features
- Woodland areas
- Geographic names



Produced by the United States Geological Survey
Compiled from USGS 1:24 000-scale topographic maps dated
1963–1983. Planimetry revised from aerial photographs taken
1982 and other source data. Revised information not field
checked. Map edited 1985

Projection and 10 000-meter grid, zone 17: Universal Transverse Mercator. 25 000-foot grid ticks based on Virginia coordinate system, south zone. 1927 North American Datum To place on the predicted North American Datum 1983 move the projection lines 10 meters south and 21 meters west There may be private inholdings within the boundaries of the National or State reservations shown on this map

CONTOUR INTERVAL 20 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
ELEVATIONS SHOWN TO THE NEAREST METER

USGS NMD HISTORICAL MAP

SEP 1 1 1989 COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

EC'D FILE COPY

	CONVERSION TABLE		DECLINATION DIAGRAM	ADJOINING MAPS		
	Meters	Feet	*	1	2	3
	1 2	3.2808 6.5617	MN GN	4		5
	3 4	9.8425 13.1234	6½°	6	7	8
	5 6 7	16.4042 19.6850 22.9659	116 MILS 0°54′ 16 MILS	1 Lewisburg 2 Buena Vista		
	8 9 10	26.2467 29.5276 32.8084				
	To convert meters to feet multiply by 3.2808 To convert feet to meters multiply by 0.3048		UTM grid convergence (GN) and 1985 magnetic declination (MN) at center of map Diagram is approximate	3 Dillwyn 4 Radford 5 Appomattox 6 Galax 7 Danville 8 South Boston		

FOR SALE BY U. S. GEOLOGICAL SURVEY ZER, COLORADO 80225, OR RESTON, VIRGINIA 22092

Topographic Map Symbols

Primary highway, hard surface						
Secondary highway, hard surface						
Light duty road, principal street, hard or improved surface $\ldots \ldots$						
Other road or street; trail	AND AND THE THE PARTY AND THE PARTY AND ADDRESS OF THE PARTY ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY ADDRESS OF THE PARTY ADDRESS OF THE PARTY ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY ADDRE					
Route marker: Interstate; U. S.; State						
Railroad: standard gage; narrow gage						
Bridge; overpass; underpass						
Tunnel: road; railroad						
Built up area; locality; elevation	• 155					
Airport; landing field; landing strip						
National boundary						
State boundary						
County boundary						
National or State reservation boundary						
Land grant boundary						
U. S. public lands survey: range, township; section						
Range, township; section line: protracted						
Power transmission line; pipeline						
Dam; dam with lock						
Cemetery; building						
Windmill; water well; spring	ž 0 ~					
Mine shaft; adit or cave; mine, quarry; gravel pit	• × × ×					
Campground; picnic area; U. S. location monument	X *					
Ruins; cliff dwelling						
Distorted surface: strip mine, lava; sand						
Contours: index; intermediate; supplementary						
Bathymetric contours: index; intermediate						
Stream, lake: perennial; intermittent						
Rapids, large and small; falls, large and small	D+ D+					
Area to be submerged; march, swamp	ally ally and ally					

pamphlet describing topographic maps is available on

