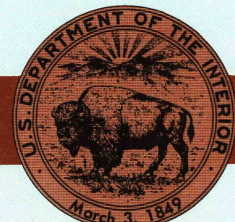


30 X 60 MINUTE QUADRANGLE
SHOWING

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



Produced by the United States Geological Survey in cooperation with Commonwealth of Virginia agencies and North Carolina Department of Natural Resources and Community Development
Compiled from USGS 1:24 000-scale topographic maps dated 1964-1979. Planimetry revised from aerial photographs taken 1978 and other source data. Revised information not field checked. Map edited 1984.
Projection and 10 000-meter grid, zone 17: Universal Transverse Mercator
25 000-foot grid ticks based on Virginia coordinate system, south zone, and North Carolina coordinate system
1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 11 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

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM	ADJOINING MAPS																			
Meters	Feet		1	2	3																	
1	3.2808		1	2	3																	
2	6.5617		4	5																		
3	9.8425																					
4	13.1234																					
5	16.4042																					
6	19.6850																					
7	22.9658																					
8	26.2467																					
9	29.5275																					
10	32.8084																					
To convert meters to feet multiply by 3.2808		UTM grid convergence (100 and 1000 meters) declination (MN) of center of map Diagram is approximate	<table><tr><td>1</td><td>Radford</td></tr><tr><td>2</td><td>Roanoke</td></tr><tr><td>3</td><td>Appomattox</td></tr><tr><td>4</td><td>Galax</td></tr><tr><td>5</td><td>South Boston</td></tr><tr><td>6</td><td>Winston-Salem</td></tr><tr><td>7</td><td>Greensboro</td></tr><tr><td>8</td><td>Henderson</td></tr></table>				1	Radford	2	Roanoke	3	Appomattox	4	Galax	5	South Boston	6	Winston-Salem	7	Greensboro	8	Henderson
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7	Greensboro																					
8	Henderson																					
To convert feet to meters multiply by 0.3048																						

Topographic Map Symbols

Primary highway, hard surface	
Secondary highway, hard surface	
Light duty road, principal street, hard or improved surface	
Other road or street; trail	
Route marker: Interstate, U. S.; State	
Railroad: standard gauge; narrow gauge	
Bridge, overpass, underpass	
Tunnel: road; railroad	
Built up area; locality; elevation	
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	
Pipeline: transmission line; pipeline	
Dam; dam with lock	
Cemetery; building	
Windmill; water well; spring	
Mine shaft; adit or cave; mine, quarry; gravel pit	
Campground; picnic area; U. S. location monument	
Railroad; rail crossing	
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	
Area to be submerged; marsh, swamp	
Land subject to controlled inundation; woodland	
Scrub; mangrove	
Orchard; vineyard	

A pamphlet describing topographic maps is available on request

