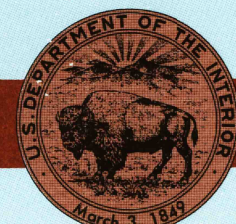


30 X 60 MINUTE QUADRANGLE  
SHOWING

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



GEOLOGICAL SURVEY

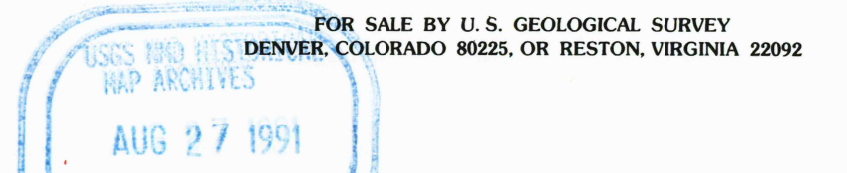
1985  
PHOTOINSPECTED 1983

Produced by the United States Geological Survey  
Compiled from USGS 1:24 000-scale topographic maps dated 1950-1981. Planimetry revised from aerial photographs taken 1983 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 North Carolina coordinate system 1922 North American Datum  
To place on the predicted North American Datum 1983 move the projection lines 10 meters south and 18 meters west  
There may be private inholdings within the boundaries of the National or State reservations shown on this map  
Map photoinspected using 1983 photographs  
No major culture or drainage changes found

CONTOUR INTERVAL 10 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	4	5																
1	3.2808		1	2	3	4	5																
2	6.5617																						
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 (GN) and 1985 magnetic declination (MN) at center of map Diagram is approximate	<table><tr><td>1</td><td>Boone</td></tr><tr><td>2</td><td>Winston-Salem</td></tr><tr><td>3</td><td>Greensboro</td></tr><tr><td>4</td><td>Hickory</td></tr><tr><td>5</td><td>Chapel Hill</td></tr><tr><td>6</td><td>Gastonia</td></tr><tr><td>7</td><td>Charlotte</td></tr><tr><td>8</td><td>Southern Pines</td></tr></table>					1	Boone	2	Winston-Salem	3	Greensboro	4	Hickory	5	Chapel Hill	6	Gastonia	7	Charlotte	8	Southern Pines
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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 gage; narrow gage
- 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: protected
- Power 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, 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
- 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

