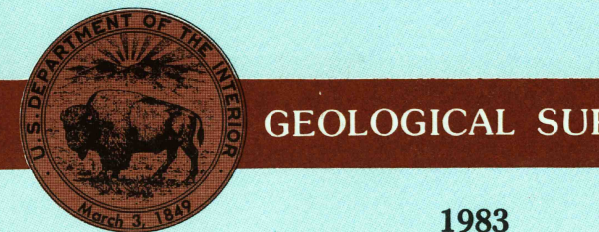


30 X 60 MINUTE QUADRANGLE  
SHOWING

- 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 State of North Carolina agencies. Compiled from USGS 1:24 000-scale topographic maps dated 1945-1974. Planting revised from aerial photographs taken 1981 and other source data. Revised information not field checked. Map dated 1983.

Projection and 10 000-meter grid, zone 17; Universal Transverse Mercator. 25 000-foot grid ticks based on North Carolina coordinate system, and South Carolina coordinate system, north zone 1927 North American Datum. To place on the predicted North American Datum 1983 move the projection lines 12 meters south and 21 meters west. Short dashed blue lines indicate elliptical bay outlines visible on aerial photographs.

There may be private inholdings within the boundaries of the National or State reservations shown on this map.

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 |
| 1                                            | 3.2808  |                                                                                       |  |                                                                                                                              |   |   |
| 2                                            | 6.5616  |                                                                                       |  | 4                                                                                                                            | 5 |   |
| 3                                            | 9.8424  |                                                                                       |  |                                                                                                                              |   |   |
| 4                                            | 13.1232 |                                                                                       |  | 6                                                                                                                            | 7 | 8 |
| 5                                            | 16.4040 |                                                                                       |  |                                                                                                                              |   |   |
| 6                                            | 19.6848 |                                                                                       |  |                                                                                                                              |   |   |
| 7                                            | 22.9656 |                                                                                       |  |                                                                                                                              |   |   |
| 8                                            | 26.2464 |                                                                                       |  |                                                                                                                              |   |   |
| 9                                            | 29.5272 |                                                                                       |  |                                                                                                                              |   |   |
| 10                                           | 32.8080 |                                                                                       |  |                                                                                                                              |   |   |
| To convert meters to feet multiply by 3.2808 |         | UTM grid convergence (GTM and 1983 magnetic) at center of map Diagram is approximate  |  | 1 Charlotte<br>2 Southern Pines<br>3 Fayetteville<br>4 Lancaster<br>5 Elizabethtown<br>6 Camden<br>7 Florence<br>8 Whiteside |   |   |
| To convert feet to meters multiply by 0.3048 |         |                                                                                       |  |                                                                                                                              |   |   |

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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                                      |  |
| Soil 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                                          |  |
| Wells: water well; spring                                   |  |
| Mine shaft; adit or cave; mine, quarry; gravel pit          |  |
| Campground; picnic area, U. S. location monument            |  |
| Ruins; cliff dwelling                                       |  |
| Distorted surface: strip mine, levee, 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             |  |
| Shrub, mangrove                                             |  |
| Orchard; vineyard                                           |  |

A pamphlet describing topographic maps is available on request