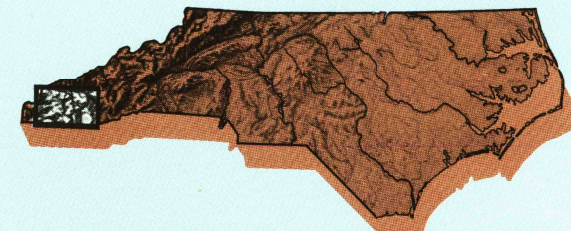




# Fontana Lake

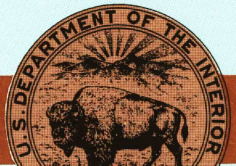
N.C.-TENN.-S.C.-GA.

1:100 000-scale metric  
topographic map



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

1983  
TENNESSEE VALLEY AUTHORITY

Produced by Tennessee Valley Authority  
in cooperation with the United States Geological Survey  
Compiled from USGS-TVA 1:24 000-scale topographic maps  
dated 1946-1980. Planimetry revised from aerial photographs  
taken 1976 and other source data. Revised information  
not field checked. Map edited 1983  
Projection and 10 000-meter grid, zone 17; Universal  
Transverse Mercator  
25 000-foot grid ticks based on North Carolina  
coordinate system  
1927 North American Datum  
To place on the predicted North American Datum 1983,  
move the projection lines 8 meters south and 10 meters west  
There may be private inholdings within the boundaries of  
the National or State reservations shown on this map

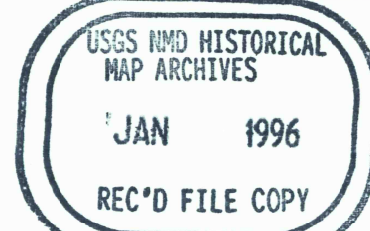
CONTOUR INTERVAL 50 METERS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
ELEVATIONS SHOWN TO NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

| CONVERSION TABLE |         | DECLINATION DIAGRAM |  | ADJOINING MAPS |    |    |  |
|------------------|---------|---------------------|--|----------------|----|----|--|
| Meters           | Feet    | MAGNETIC            |  | 1              | 2  | 3  |  |
| 1                | 3.2808  | 29° 1'              |  | 4              | 5  | 6  |  |
| 2                | 6.5617  | 29° 1'              |  | 7              | 8  | 9  |  |
| 3                | 9.8425  | 29° 1'              |  | 10             | 11 | 12 |  |
| 4                | 13.1234 | 29° 1'              |  | 13             | 14 | 15 |  |
| 5                | 16.4042 | 29° 1'              |  | 16             | 17 | 18 |  |
| 6                | 19.6850 | 29° 1'              |  | 19             | 20 | 21 |  |
| 7                | 22.9659 | 29° 1'              |  | 22             | 23 | 24 |  |
| 8                | 26.2467 | 29° 1'              |  | 25             | 26 | 27 |  |
| 9                | 29.5275 | 29° 1'              |  | 28             | 29 | 30 |  |
| 10               | 32.8084 | 29° 1'              |  | 31             | 32 | 33 |  |

To convert meters to feet multiply by 3.2808  
To convert feet to meters multiply by 0.3048  
LTM grid convergency (GN) and magnetic declination (MD) at center of map  
Diagram is approximate

1. Watts Bar Lake  
2. Knoxville  
3. Andersonville  
4. Cleveland  
5. Athens  
6. Greenville



## Topographic Map Symbols

|                               |                                 |                                                             |                            |                                        |                                      |                             |                        |                                    |                                       |                   |                |                 |                                        |                     |                                                     |                                         |                                   |                    |                    |                              |                                                    |                                                  |                          |                                            |                                              |                                           |                                       |                                                 |                                    |                                                 |                 |                   |
|-------------------------------|---------------------------------|-------------------------------------------------------------|----------------------------|----------------------------------------|--------------------------------------|-----------------------------|------------------------|------------------------------------|---------------------------------------|-------------------|----------------|-----------------|----------------------------------------|---------------------|-----------------------------------------------------|-----------------------------------------|-----------------------------------|--------------------|--------------------|------------------------------|----------------------------------------------------|--------------------------------------------------|--------------------------|--------------------------------------------|----------------------------------------------|-------------------------------------------|---------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|-----------------|-------------------|
| Primary highway, hard surface | Secondary highway, hard surface | Light duty road, principal street, hard or improved surface | Other road or street, soil | 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: pre-1900 | 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, cut-off siding | 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 | Scrub; mangrove | Orchard; vineyard |
|-------------------------------|---------------------------------|-------------------------------------------------------------|----------------------------|----------------------------------------|--------------------------------------|-----------------------------|------------------------|------------------------------------|---------------------------------------|-------------------|----------------|-----------------|----------------------------------------|---------------------|-----------------------------------------------------|-----------------------------------------|-----------------------------------|--------------------|--------------------|------------------------------|----------------------------------------------------|--------------------------------------------------|--------------------------|--------------------------------------------|----------------------------------------------|-------------------------------------------|---------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|-----------------|-------------------|

A pamphlet describing topographic maps is available on request  
FOR SALE BY U.S. GEOLOGICAL SURVEY  
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092  
TENNESSEE DEPARTMENT OF CONSERVATION, DIVISION OF GEOLOGY  
NASHVILLE, TENNESSEE 37219 AND  
U.S. TENNESSEE VALLEY AUTHORITY, CHATTANOOGA, TENN. 37401