



1:100 000-scale metric
topographic map of

Watts Bar Lake

TENNESSEE

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

1981/84

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 1940-1980. Planimetry revised from aerial photographs taken 1975-1981, and other sources. Revised information not field checked. Map edited 1981.

Projection 10 000-meter grid, zone 16 - Universal Transverse Mercator
25 000-foot grid ticks based on Tennessee coordinate system
1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 6 meters south and 6 meters west
There may be private inholdings within the boundaries of the National and State reservations shown on this map

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

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

Meters	Feet
1	3.2808
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
To convert feet to meters multiply by 0.3048

DECLINATION DIAGRAM

UTM grid convergence (GN) at center of map
Diagram is approximate

ADJOINING MAPS
1 2 3
4 5
6 7 8

- 1 Cockfield
- 2 Oak Ridge
- 3 Marietta
- 4 McMinnville
- 5 Knoxville
- 6 Chattanooga
- 7 Cleveland
- 8 Fontana Lake

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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

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

Power transmission line; pipeline

Dam; dam with lock

Cemetery; building

Windmill; water well; spring

Mine shaft; adit or cave; mine, quarry, gravel pit

Compass; point area; U. S. location monument

Rail; off dwelling

Distorted surface: strip mine, lava, sand

Contours: index; intermediate; supplementary

Bathymetric contours: index; intermediate

Stream, lake, pond; 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

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