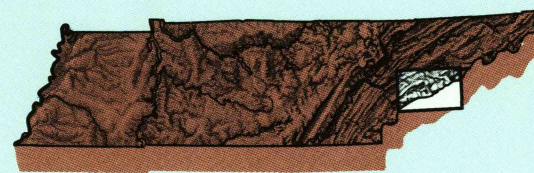


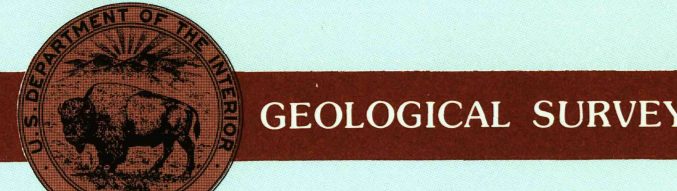
Knoxville

TENNESSEE-NORTH CAROLINA

**1:100,000-scale *metric*
topographic map**



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




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 1940-1980. Planimetry revised from aerial photographs
taken 1975-1981 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 Tennessee and North Carolina coordinate systems
1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 7 meters south and 9 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 THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS											
Meters	Feet			<table><tr><td>1</td><td>2</td><td>3</td></tr><tr><td>4</td><td>5</td><td>6</td></tr><tr><td>7</td><td>8</td><td>9</td></tr></table>			1	2	3	4	5	6	7	8	9
1	2	3													
4	5	6													
7	8	9													
1	3.2808			1 Oak Ridge											
2	6.5617			2 Murfreesboro											
3	9.8425			3 Johnson City											
4	13.1234			4 Watts Bar Lake											
5	16.4042			5 Asheville											
6	19.6850			6 Cleveland											
7	22.9659			7 Fontana Lake											
8	26.2467			8 Hendersonville											
9	29.5276														
10	32.8084														
To convert meters to feet multiply by 3.2808		UTM grid convergence (GN) and magnetic declination (MN) at center of map Diagram is approximate													
To convert feet to meters multiply by 0.3048															

FOR SALE BY U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092.
TENNESSEE DEPARTMENT OF CONSERVATION, DIVISION OF GEOLOGY,
NASHVILLE, TENN. 37219, AND
U.S. TENNESSEE VALLEY AUTHORITY, CHATTANOOGA, TENN. 37401
OR KNOXVILLE, TENN. 37902

Topographic Map Symbols

- Primary highway, hard surface
Secondary highway, hard surface
Light duty road, principal street, hard or improved surface
Other road or street, not
Railroad: standard gage, narrow gage
Bridge, overpass; underpass
Tunnel; road; railroad
Built up area, locally elevated
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; sub or cave; mine, quarry; gravel pit
Emergence point, U.S. location monument
Ruins; old dwelling
Distorted surface: strip mine, lava, sand
Stratum: index, intermediate; supplementary
Rhythmic, continuous: index, intermediate
Stream, lake: perennial; intermittent
Rapids, large and small; falls, large and small
Ares to be submerged; marsh, swamp
Land subject to controlled inundation; woodland
Small marsh
Onchard, village

