



1:100 000-scale metric topographic map of

Johnson City

TENNESSEE-NORTH CAROLINA

30 x 60 MINUTE QUADRANGLE SHOWING

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

USGS Historical File National Mapping Div. 1 MAY 5 1981 1700

1980
Tennessee Valley Authority

Produced by Tennessee Valley Authority in cooperation with the United States Geological Survey. Compiled from USGS-TVA 1:24000-scale topographic maps dated 1960-1980. Planimetry revised from aerial photographs taken 1975-1976, and other source data. Revised information not field checked. Map edited 1980.

Projection and 10 000-meter grid, zone 17: Universal Transverse Mercator. 25 000-foot grid ticks based on Tennessee and North Carolina rectangular coordinate systems 1927 North American Datum. To place on the predicted North American Datum 1983, move the projection lines 8 meters south and 12 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	Fath	MAGNETIC DECLINATION		1	2	3
2	0.0011	31° 15' 10" W		4	5	
4	0.0022	62° 30' 20" W		6	7	8
6	0.0033	93° 45' 30" W				
8	0.0044	125° 00' 40" W				
10	0.0055	156° 15' 50" W				

To convert meters to feet multiply by 3.2808
To convert feet to meters multiply by 0.3048

UTM grid convergence (GN and 1983 magnetic declination (MD) at center of map. Diagram is approximate.

1 Middleboro
2 Waterville
3 Buxton
4 Andover
5 Andover
6 Andover
7 Andover
8 Andover

FOR SALE BY U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
TENNESSEE DIVISION OF GEOLOGY, NASHVILLE, TENN. 37219
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, trail
Route marker: interstate, U.S. State
Railroad: standard gauge, narrow gauge
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, patented
Power transmission line: pipeline
Dam, dam with lock
Cemetery, building
Windmill, water well, spring
Mine shaft, adit or ore mine, quarry, gravel pit
Campground, picnic area, U.S. location monument
Ruins: 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