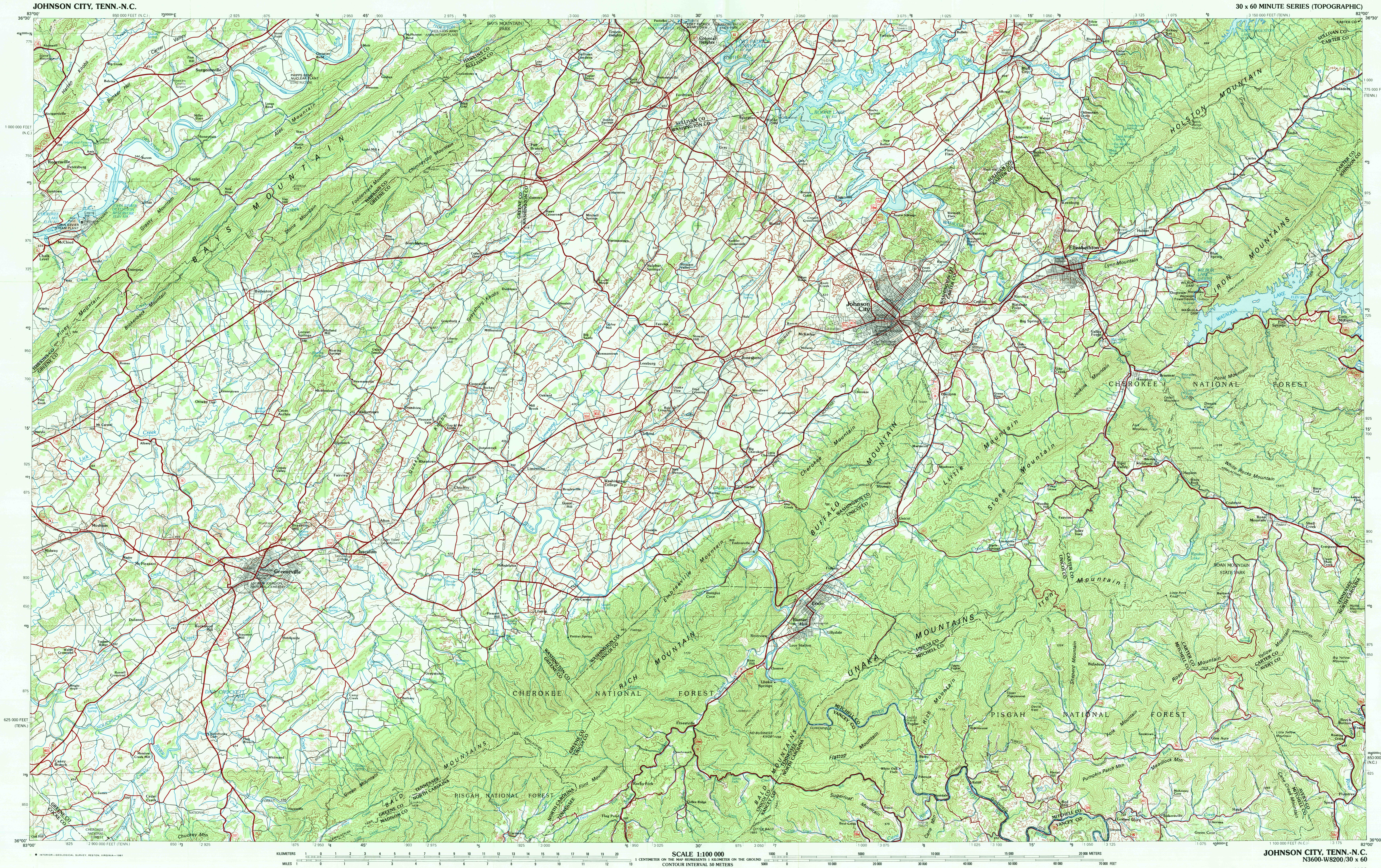




1:100 000-scale metric topographic map of

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

GEOLOGICAL SURVEY

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	Faht	MAGNETIC DECLINATION		1	2	3
2	3.2808			4	5	6
4	6.5617			7	8	
6	9.8425					
8	13.1234					
10	16.4043					
12	19.6852					
14	22.9660					
16	26.2469					
18	29.5278					
20	32.8086					

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.

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	
Dam, dam with lock	
Cemetery, building	
Windmill, water well, spring	
Min. shaft, adit or ore mine, quarry, gravel pit	
Campground, picnic area, U.S. location monument	
Ruin: 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.

JOHNSON CITY, TENN.-N.C.

N3600-W8200/30 x 60

1980