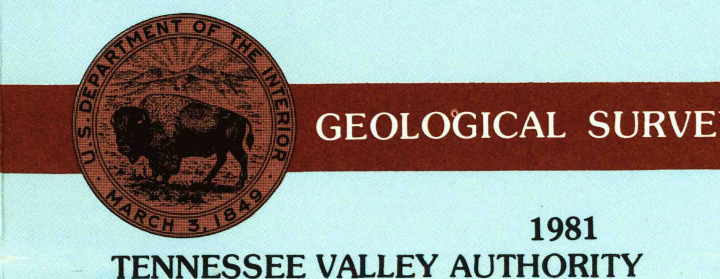


30 X 60 MINUTE QUADRANGLE SHOWING

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



Produced by Tennessee Valley Authority in cooperation with the United States Geological Survey
 Compiled from USGS-TVA 1:24 000-scale topographic maps dated 1925-1979. Planimetry revised from aerial photographs taken 1972-1977, and other source data. Revised information not field checked. Map edited 1981.

Projection and 10 000-meter grid, zone 17: 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 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 NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS				
Meters	Feet	M	N	1	2	3		
2	6.562		21'	4	5			
4	13.124			6	7	8		
6	19.688							
8	26.250							
10	32.812							
12	39.375							
14	45.938							
16	52.500							
18	59.063							
20	65.625							

To convert meters to feet multiply by 2.208
 To convert feet to meters multiply by 0.305

ITM grid convergence (GN) and 100 meters at center of map
 Diagram is approximate

1	Curtis
2	Middleboro
3	Rocky
4	Johnson City
5	Northey Lake
6	Knoxville
7	Sevier
8	Watt

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 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: covered, 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, contracted	
Power transmission line, pipeline	
Dam; dam with lock	
Cemetery; building	
Windmill; water well; spring	
Mine shaft, adit or ore vein, quarry, gravel pit	
Campground; picnic area; U. S. location monument	
Ruin; cliff dwelling	
Distorted surface: strip mine, lava, sand	
Contour: immediate, supplementary	
Bathymetric contour; index, intermediate	
Stream, lake: perennial, intermittent	
Rapids, large and small; falls, large and small	
Area to be submerged; marsh, swamp	
Land under controlled inundation; woodland	
Scrub, mangrove	
Orchard; vineyard	

A pamphlet describing topographic maps is available on request

