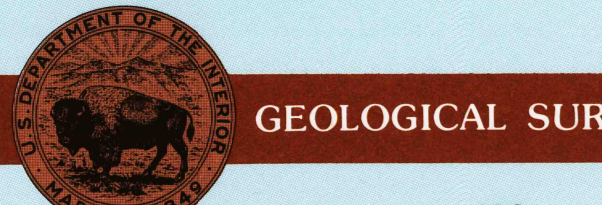


30 X 60 MINUTE QUADRANGLE
SHOWING

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



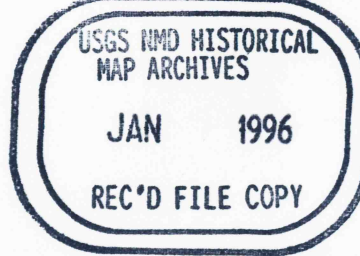
1981
TENNESSEE VALLEY AUTHORITY

Produced by Tennessee Valley Authority
in cooperation with the United States Geological Survey
Compiled from USGS TVA 1:24 000-scale topographic maps
dated 1957-1979. Planimetry revised from aerial photographs
taken 1976, 1978, 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 Virginia
coordinate system, south zone; Tennessee
coordinate system; and Kentucky coordinate
system, south zone
1927 North American Datum
To place on the predicted North American Datum 1983
move the projection lines 7 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 NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM	ADJOINING MAPS							
Meters	Feet		1	2	3	4	5	6	7	8
1	3.2808									
2	6.5616									
3	9.8425									
4	13.1234									
5	16.4043									
6	19.6850									
7	22.9659									
8	26.2467									
9	29.5276									
10	32.8084									
To convert meters to feet multiply by 3.2808		UTM grid convergence (IGN and 1981 magnetic declination) (MN) at center of map Diagram is approximate	1 Hazard 2 Hazard 3 Hazard 4 Hazard 5 Hazard 6 Hazard 7 Hazard 8 Hazard							
To convert feet to meters multiply by 0.3048			1 Hazard 2 Hazard 3 Hazard 4 Hazard 5 Hazard 6 Hazard 7 Hazard 8 Hazard							



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	
Bath 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	
Campground; picnic area; U. S. location monument	
Ruins; cliff dwelling	
Disturbed surface: strip mine, lava, sand	
Cultural 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	
Sandy, marshy area	
Orchard; vineyard	

A pamphlet describing topographic maps is available on request
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