



# Helena

ARKANSAS-MISSISSIPPI  
TENNESSEE  
1:100 000-scale  
planimetric map

**30 X 60 MINUTE QUADRANGLE  
SHOWING**

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

Produced by the United States Geological Survey  
Compiled from USGS 1:24 000-scale topographic maps  
dated 1958-1984. Planimetry revised from aerial photographs  
taken 1962-83 and other source data. Revised information not  
field checked. Map edited 1984.

Projection and 10 000-meter grid, zone 15.  
Universal Transverse Mercator  
25 000-foot grid ticks based on Mississippi coordinate system,  
west zone and Arkansas coordinate system, south and north zones  
1927 North American Datum  
To place on the projected North American Datum 1983, move  
the projection lines 6 meters south and 9 meters east.  
There may be private inholdings within the boundaries of  
the National or State reservations shown on this map.

**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	Magnetic Declination		Map Sheet Numbers			
1	3.2808			1	2	3	
2	6.5617			4	5		
3	9.8425			6	7	8	
4	13.1234			<p>1 Searcy 2 Memphis West 3 Memphis East 4 Hanksley 5 Holly Springs 6 De Witt 7 Clarksville 8 Oxford</p>			
5	16.4042						
6	19.6850						
7	22.9659						
8	26.2467						
9	29.5275						
10	32.8084						
To convert meters to feet multiply by 3.2808		UTM grid convergence (GCM) and true magnetic declination (IMD) at center of map Diagram is approximate					

FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225  
OR RESTON, VIRGINIA 22092

### 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	Build-up area; nearby, 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: protected	Power transmission line: pipeline	City, den with tick	Cemetery, building	Windmill; water well, spring	Mine shaft, adit or cave; mine, quarry, gravel pit	Contaminated, picnic area; U.S. location monument	Rumy, cliff dwelling	Distorted surface: strip mine, lava, sand	Contours: index, intermediate, supplementary	Bathymetric contours: index, intermediate	Stream, lake, general; intermittent	Reeds, large and small; feds, large and small	Area to be submerged; marsh, swamp	Land subject to controlled inundation: woodland	Straw, mangrove	Gravel, veneer
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A pamphlet describing topographic maps is available on request