



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HELENA QUADRANGLE
ARKANSAS-MISSISSIPPI
7.5 MINUTE SERIES (TOPOGRAPHIC)

Mapped, edited, and published by the Geological Survey
Control by USGS and NOS/NOAA
Topography by photogrammetric methods from aerial photographs
taken 1977. Field checked 1978. Map edited 1982
Projection: Mississippi coordinate system, west zone
(transverse Mercator)
10,000-foot grid ticks based on Mississippi coordinate
system, west zone and Arkansas coordinate system, south zone
1000-meter Universal Transverse Mercator grid, zone 15
1927 North American Datum
To place on the predicted North American Datum 1983
move the projection lines 8 meters south and
9 meters east as shown by dashed corner ticks
There may be private inholdings within the boundaries of
the National or State reservations shown on this map
Gray tint indicates area in which selected buildings are shown

SCALE 1:24 000
CONTOUR INTERVAL 5 AND 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

1 MILE
1 KILOMETER

UTM GRID AND 1982 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

ROAD LEGEND

Improved Road
Unimproved Road
Trail

Interstate Route
U.S. Route
State Route

HELENA, ARK.-MISS.
PROVISIONAL EDITION 1982

34090-E5-TF-024

USGS HISTORICAL
MAP ARCHIVES
MAY 25 1994
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THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
AND ARKANSAS GEOLOGICAL COMMISSION, LITTLE ROCK, ARKANSAS 72204