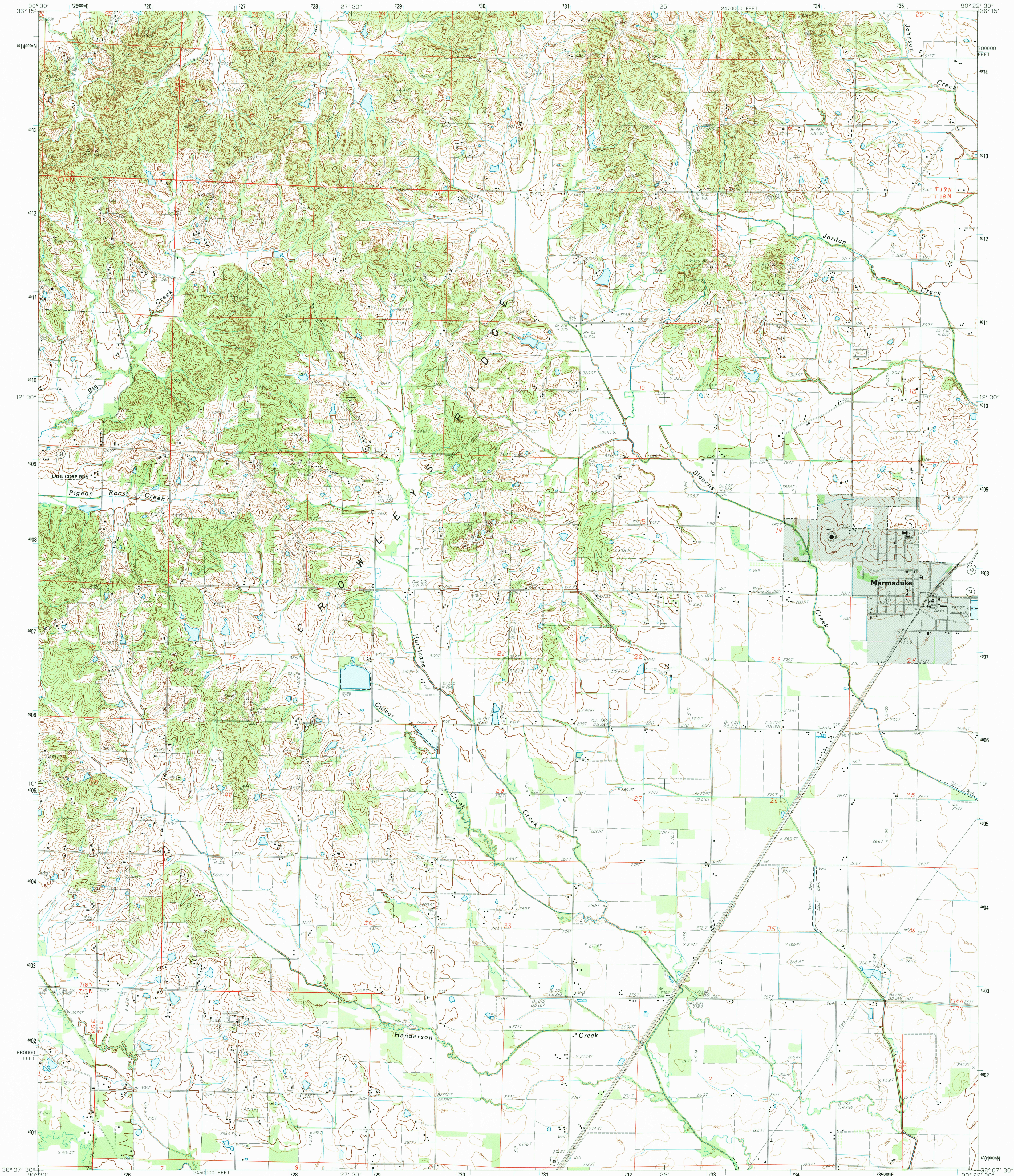




PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY.....USGS AND NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN.....1980
FIELD CHECKED.....1982. MAP EDITED.....1984
PROJECTION.....LAMBERT CONFORMAL CONIC
1000-METER UNIVERSAL TRANSVERSE MERCATOR TICS (BLUE) ZONE 15
10,000-FOOT STATE GRID TICS.....ARKANSAS, NORTH ZONE
UTM GRID DECLINATION.....1°31' EAST
1992 MAGNETIC NORTH DECLINATION.....1°30' EAST
VERTICAL DATUM.....NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM.....1927 NORTH AMERICAN DATUM (NAD 27)
North American Datum of 1983 (NAD 83) is shown by dashed
corner ticks. The values of the shift between NAD 27 and NAD
83 for 7.5-minute intersections are given in USGS Bulletin 1875
There may be private inholdings within the boundaries of any
Federal or State reservations shown on this map
No distinction made between houses, barns, and other buildings
Gray tint indicates area in which selected buildings are shown
Photinspected from 1990 source, no major culture or drainage
changes observed. Boundaries revised and names verified in 1992

PROVISIONAL MAP
Produced from original
manuscript drawings. Infor-
mation shown as of date of
photography. 1

SCALE 1:24 000
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
CONTOUR INTERVAL 10 FEET
SUPPLEMENTARY CONTOUR INTERVAL 5 FEET
CONTROL ELEVATIONS SHOWN TO THE NEAREST 0.1 FOOT
OTHER ELEVATIONS SHOWN TO THE NEAREST FOOT
To convert feet to meters multiply by .3048
To convert meters to feet multiply by 3.2808
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
AND THE ARKANSAS GEOLOGICAL COMMISSION, LITTLE ROCK, ARKANSAS 72204

QUADRANGLE LOCATION
1 2 3
4 5
6 7 8
1 Knobel
2 Bonville
3 Reior
4 Lefe
5 Mounds
6 Paragould West
7 Paragould East
8 Cardwell
ADJOINING 7.5' QUADRANGLE NAMES

ROAD LEGEND
Improved Road
Unimproved Road
Trail
Interstate Route U.S. Route State Route
MARMADUKE, ARKANSAS
PROVISIONAL EDITION 1984
MINOR REVISION 1992
36090-B4-TF-024

USGS HISTORICAL
MAP ARCHIVES
JUN 16 1993
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