ALABAMA 1:50,000

EDITION 5–NIMA SERIES V744 SHEET 3846 I

OZARK

230 000 METERS

110 000 METERS

Prepared by the U.S. Geological Survey for publication by the National Imagery and Mapping Agency

MAP INFORMATION AS OF 1992.

SCALE 1:50,000

Meters 1000 500 0 1 2 3 4 5 Kilometers

1 ½ 0 1 2 3 Statute Miles

1 ½ 0 1 2 3 Nautical Miles

ELEVATIONS IN METERS

CONTOUR INTERVAL 10 METERS

ELLIPSOID.....WORLD GEODETIC SYSTEM 1984/ GEODETIC REFERENCE SYSTEM 1980

GRID.....1,000-METER UTM ZONE 16 (BLACK NUMBERED LINES) 5,000-METER STATE GRID TICKS, ALABAMA (EAST ZONE)

PROJECTION.....TRANSVERSE MERCATOR

VERTICAL DATUM.....NATIONAL GEODETIC VERTICAL DATUM OF 1929

HORIZONTAL DATUM.....WORLD GEODETIC SYSTEM 1984/ NORTH AMERICAN DATUM OF 1983

CONTROL BY.....USGS AND NOS/NOAA

PREPARED BY.....U.S. GEOLOGICAL SURVEY

Reprinted by NGA 04-07

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THIS MAP IS RED-LIGHT READABLE

LEGEND

CAUTION: ALL TELEPHONE AND ELECTRIC SERVICE LINES ARE NOT SHOWN.

A LANE ON THIS MAP IS CONSIDERED TO BE 2.5 METERS WIDE.

IN DEVELOPED AREAS ONLY THROUGH ROADS ARE CLASSIFIED.

THERE MAY BE PRIVATE INHOLDINGS WITHIN THE BOUNDARIES OF THE NATIONAL OR STATE RESERVATIONS SHOWN ON THIS MAP.

ROADS
- Divided highway with median strip
- Primary, all weather, hard surface
- Secondary, all weather, hard surface
- Light duty, all weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Route markers: Interstate; Federal; State
- Bridge

RAILROADS (Standard gauge 1.44m. – 4'8½")
- Single track
- Multiple track (3 TRACKS)
- Nonoperating
- Railroad station: Location known; Location unknown
- Car line
- Railroad bridge
- Tunnel: Highway; Railroad

BOUNDARIES
- National, with monument
- State, territory
- County, parish
- Civil township, town
- Incorporated city, village, town
- Reservation: National; State; Military (MIL RES)

- Power transmission line
- Buildings
- Structures
- Church; School
- Power substation
- Windmill; Watermill
- Well; Tank
- Mine shaft
- Open pit mine or quarry
- Horizontal control station
- Bench mark, monumented (BM × 219.2)
- Bench mark, non-monumented (× 143.9)
- Spot elevations in meters (• 144)
- Levees, rims, dikes
- Bluffs, cliffs
- Woodland
- Scattered trees; Scrub
- Vineyard; Orchard, plantation
- Intermittent lake; Dam: Earthen; Masonry
- Stream: Perennial; Intermittent
- Marsh, swamp
- Small falls; Large falls
- Small rapids; Large rapids (Falls, Rapids)

CONVERSION GRAPH

(1 meter = 3.28 feet)

Meters	Feet
200	600
	500
	400
100	300
	200
	100
0	0

SAMPLE 1,000 METER GRID SQUARE

100,000 M. SQUARE IDENTIFICATION: FV

GRID ZONE DESIGNATION: 16R

100 METER REFERENCE

1. Read large numbers labeling the VERTICAL grid line left of point and estimate tenths (100 meters) from grid line to point. 12 3
2. Read large numbers labeling the HORIZONTAL grid line below point and estimate tenths (100 meters) from grid line to point. 45 6

Example: 123456

WHEN REPORTING ACROSS A 100,000 METER LINE, PREFIX THE 100,000 METER SQUARE IDENTIFICATION IN WHICH THE POINT LIES.

Example: FV123456

WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA, PREFIX THE GRID ZONE DESIGNATION.

Example: 16RFV123456

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NGA OPERATIONAL HELP DESK: 1-800-455-0899; COMMERCIAL 314-263-4864; DSN 693-4864; OR WRITE TO: DIRECTOR, NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY, ATTN.: ES, MAIL STOP L-88, 4600 SANGAMORE ROAD, BETHESDA, MD 20816-5003.

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GRID CONVERGENCE 0°43' (12½ MILS) FOR CENTER OF SHEET

1995 G-M ANGLE 2½° (40 MILS)

TRUE NORTH — GRID NORTH — MAGNETIC NORTH

TO CONVERT A MAGNETIC AZIMUTH TO A GRID AZIMUTH SUBTRACT G-M ANGLE

TO CONVERT A GRID AZIMUTH TO A MAGNETIC AZIMUTH ADD G-M ANGLE

SLOPE GUIDE

PERCENTAGE	DEGREE
15%	8.5°
14%	8.0°
13%	7.4°
12%	6.9°
11%	6.3°
10%	5.7°
9%	5.2°
8%	4.6°
7%	4.0°
6%	3.4°
5%	2.9°

A B C

AB—HORIZONTAL DISTANCE BETWEEN CONTOURS
AC—HORIZONTAL DISTANCE BETWEEN INDEX CONTOURS

BOUNDARIES

Dale County

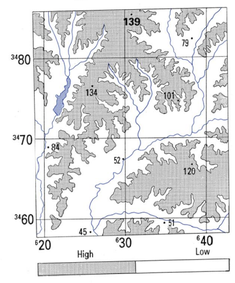
Houston County

ADJOINING SHEETS

3847 III	3847 II	3947 III
3846 IV	3846 I	3946 IV
3846 III	3846 II	3946 III

Sheet 3846 I falls within NH 16-3, 1501, 1:250,000.

ELEVATION GUIDE



NSN 7643014043743
NGA Ref No. V744X38461
ED. NO. 005

OZARK, ALABAMA 3846 I V744 EDITION 5–NIMA