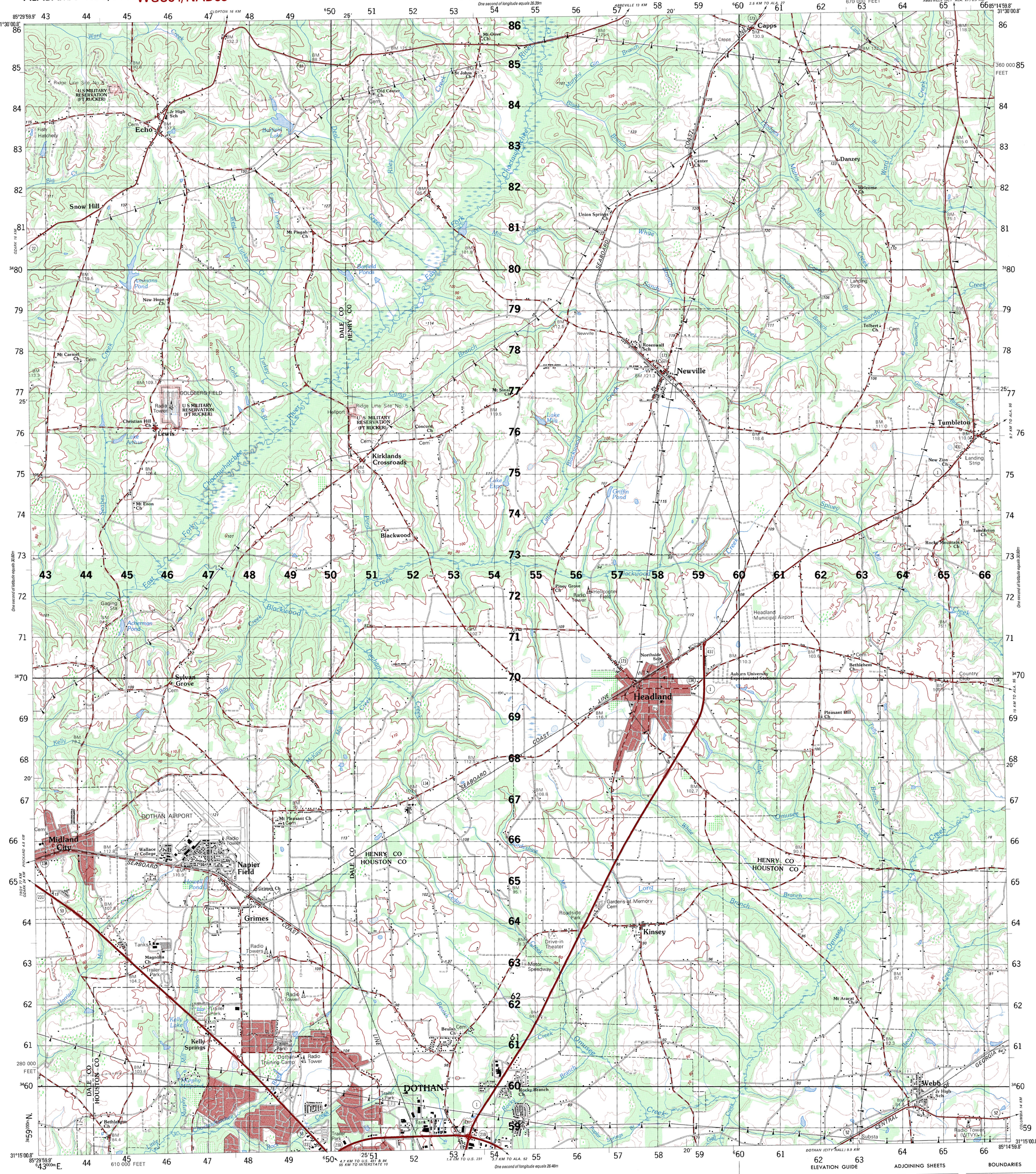
ALABAMA 1:50,000 WGS84/NAD83

HEADLAND

EDITION 4-NIMA SERIES V744 SHEET 3946 IV



Prepared and published by the National Imagery and Mapping Agency

LEGEND

MAP INFORMATION AS OF 1979

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: With superstructure; Without superstructure

RAILROADS (Standard gauge 1.44m.-4'8½")
- Single track
- Multiple track (3 TRACKS)
- Nonoperating
- Railroad station: Location known; Location unknown
- Car line
- Railroad bridge: With superstructure; Without superstructure
- 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 rapids; Small falls
- Large rapids; Large falls (Falls, Rapids)

NOTES

THE ONLY CHANGE TO THIS EDITION IS THE REGRIDDING FROM NAD27 TO WGS84/NAD83. NOTE THE NEW WGS84/NAD83 COORDINATE VALUES FOR THE CORNER TICKS.

THE NORTH AMERICAN DATUM 1983 (NAD 83) AND THE WORLD GEODETIC SYSTEM 1984 DATUM (WGS 84) ARE EQUIVALENT FOR MAPPING, CHARTING AND NAVIGATION AT THIS SCALE.

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

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

IN DEVELOPED AREAS ONLY THROUGH ROADS ARE CLASSIFIED.

ELEVATIONS IN METERS

CONTOUR INTERVAL 10 METERS

ELLIPSOID ..... GEODETIC REFERENCE SYSTEM 1980
GRID ..... 1,000 METER UTM, ZONE 16
PROJECTION ..... TRANSVERSE MERCATOR
VERTICAL DATUM ..... SEA LEVEL DATUM OF 1929
HORIZONTAL DATUM WGS84/NAD83
CONTROL BY ..... USGS AND NOS/NOAA
PRINTED BY ..... NIMA 06-00
Reprinted by NGA 07-08

COORDINATE CONVERSION NAD 83/WGS 84 TO NAD 27:
Grid: Add 0 E., Subtract 211m N.
Geographic: Add 0.2" Long., Subtract 0.8" Lat.

NIMA IS UPDATING THE MILITARY GRID REFERENCE SYSTEM. UNTIL ALL ADJACENT AND OVERLAPPING SHEETS ARE CONVERTED, THE NEW 100,000 METER SQUARE IDENTIFIERS ARE DEPICTED IN BLACK AND THE OLD IN BLUE.

SAMPLE 1,000 METER GRID SQUARE (Sample point; 46, 45, 12, 13)

100,000 M. SQUARE IDENTIFICATION: FV / FK

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. 1 2 3
2. Read large numbers labeling the HORIZONTAL grid line below point and estimate tenths (100 meters) from grid line to point. 4 5 6

Example: 123456

WHEN REPORTING OUTSIDE THE 100,000 METER SQUARE AREA IN WHICH THE POINT LIES, PREFIX THE 100,000 METER SQUARE IDENTIFICATION.
Example: FV123456

WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA IN WHICH THE POINT LIES, PREFIX THE GRID ZONE DESIGNATION.
Example: 16RFV123456

GN — TRUE NORTH — MAGNETIC NORTH — GRID NORTH

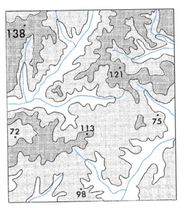
GRID CONVERGENCE (G-T ANGLE) 0°51' (15 MILS FOR CENTER OF SHEET

2000 G-M ANGLE 3° (50 MILS)

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

ELEVATION GUIDE



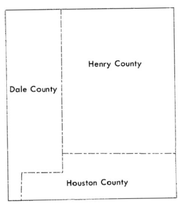
High
Medium
Low

CONVERSION GRAPH
(1 meter = 3.28 feet)
Meters: 200, 100, 0
Feet: 600, 500, 400, 300, 200, 100, 0

ADJOINING SHEETS

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

BOUNDARIES



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THIS MAP IS RED-LIGHT READABLE

WGS84/NAD83

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