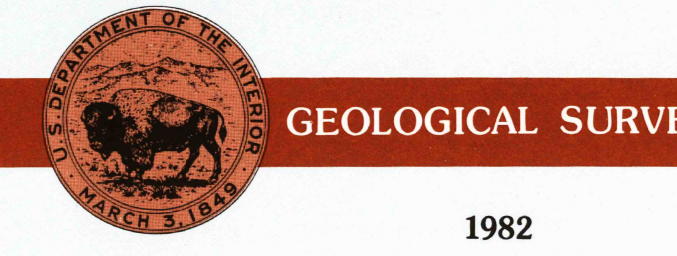




30 X 60 MINUTE QUADRANGLE SHOWING

- Contours and 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 1954-1979. Planimetry revised from aerial photographs taken 1979 and other source data. Revised information not field checked. Map edited 1982.
 Projection and 10 000-meter grid, zone 16, Universal Transverse Mercator
 25 000-foot grid ticks based on Louisiana coordinate system, south zone and Mississippi coordinate system, east zone 1927 North American Datum
 To place on the predicted North American Datum 1983 move the projection lines 18 meters south and 6 meters east
 There may be private inholdings within the boundaries of the National or State reservations shown on this map
 Offshore protection survey data, printed in red, compiled by the Bureau of Land Management. Heavy lines indicate limits of BLM Outer Continental Shelf Official Protection Diagrams dated December 21, 1977. The protections on this map are not for Federal leasing purposes; for such purposes, refer to the 1:250 000-scale OCS Official Protection Diagrams available from the Bureau of Land Management
 CONTOUR INTERVAL 5 METERS
 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 | 1°E | 1°M | 1 | 2 | 3 |
| 1 | 3.2808 | | | 4 | 1 | 2 |
| 2 | 6.5616 | | | 4 | 5 | |
| 3 | 9.8424 | | | 6 | 7 | 8 |
| 4 | 13.1232 | | | 1 | 2 | 3 |
| 5 | 16.4040 | | | 4 | 5 | 6 |
| 6 | 19.6848 | | | 7 | 8 | 1 |
| 7 | 22.9656 | | | 2 | 3 | 4 |
| 8 | 26.2464 | | | 5 | 6 | 7 |

To convert meters to feet multiply by 3.2808
 To convert feet to meters multiply by 0.3048

UTM grid convergences (GM) and 1983 magnetic declination (MD) at center of map
 Diagram is approximate

1 Amite
 2 Bogalusa
 3 Mobile
 4 Ponchartraine
 5 Slidell
 6 New Orleans
 7 Black Bay
 8 North Inlands

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

USGS MMD HISTORICAL MAP JAN 12 1980 REC'D FILE COPY

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 gauge, narrow gauge
- Bridge: overpass, underpass
- Tunnel: railroad
- Built up area, locality, 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: projected
- Power transmission line, pipeline
- Dam; dam with lock
- Cemetery, building
- Wellhead, water well, spring
- Mine shaft; adit or cave; mine, quarry; gravel pit
- Campground; picnic area; U.S. location monument
- Ruins; cliff dwelling
- Distorted surface: strip mine, lava, sand
- Contours: index, intermediate, supplementary
- Bathymetric contours: index, intermediate
- Stream, lake: perennial, intermittent
- Rapids, large and small; falls, large and small
- Area to be submerged; marsh, swamp
- Land subject to controlled inundation, woodland
- Scrub, mangrove
- Orchard, vineyard

A pamphlet describing topographic maps is available on request

