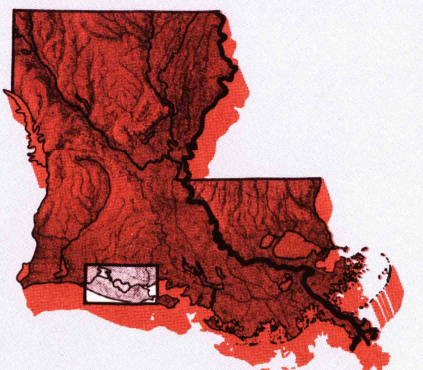


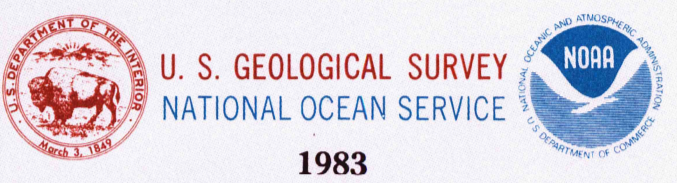
White Lake

LOUISIANA

1:100 000-scale metric topographic-bathymetric map



- 30 X 60 MINUTE QUADRANGLE SHOWING**
- Contours and elevations in meters
 - Highways, roads and other manmade structures
 - Water features
 - Woodland areas
 - Geographic names
 - Bathymetric contours in meters



Produced by the United States Geological Survey and the National Ocean Service. Compiled from USGS 1:24 000-scale topographic maps dated 1975-1980. Bathymetry derived from aerial photographs taken 1975 and other source data. Revised information not field checked. Map dated 1983. Bathymetry compiled by the National Ocean Service from tide-coordinated hydrographic surveys. This information is not intended for navigational purposes. Mean low water (dotted line) and mean high water (heavy solid line) compiled by NOAA from tide-coordinated aerial photographs. Apparent shoreline (outer edge of vegetation shown by light solid line). Projection and 10 000-meter grid, zone 18 UTM Universal Transverse Mercator 25 000-foot grid ticks based on Louisiana coordinate system, south zone 1927 North American Datum. To place on the projected North American Datum 1983, move the projection lines 20 meters south and 15 meters east. Offshore protection survey data, shown in this map as compiled by the Bureau of Land Management, is shown by the broken lines of the 30 M Outer Continental Shelf. The projections on this map are not for Federal leasing purposes, for such purposes refer to the 1:50 000-scale USGS Outer Continental Shelf Diagrams available from the Bureau of Land Management. There may be errors in the map. The National Ocean Service and the National Ocean Service are not responsible for the National or State reservations shown on this map. All or part of this quadrangle lies within a subsidence area.

CONTOUR INTERVAL 2 METERS
NATIONAL GEODESIC SURVEY DATUM OF 1929
BATHYMETRIC CONTOUR INTERVAL 2 METERS WITH SUPPLEMENTARY 1 METER CONTOURS NEAR LOWER LOW WATER DATUM
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

BASE MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS. BATHYMETRIC SURVEY DATA COMPLETES WITH INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO) SPECIAL PUBLICATION NO. 1. METRIC CONVERSIONS AND/OR STANDARDS USED AS OF THE DATE OF THE SURVEYS.

Meters	Feet	DECLINATION DIAGRAM	ADJOINING MAPS
1	3.2808		1
2	6.5617		2
3	9.8425		3
4	13.1234		4
5	16.4042		5
6	19.6850		6
7	22.9659		7
8	26.2467		8
9	29.5275		9
10	32.8084		10

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

UTM grid convergence (EN and TN magnetic declination (MN)) at center of map. Diagram is approximate.

FOR SALE BY U.S. GEOLOGICAL SURVEY
DENTON, COLORADO 80202 OR RESTON, VIRGINIA 20192
AND NATIONAL OCEAN SERVICE, ROCKVILLE, MARYLAND 20852

Topographic Map Symbols

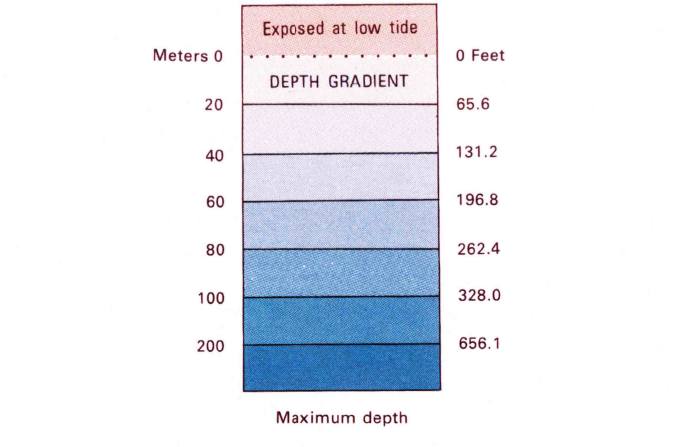
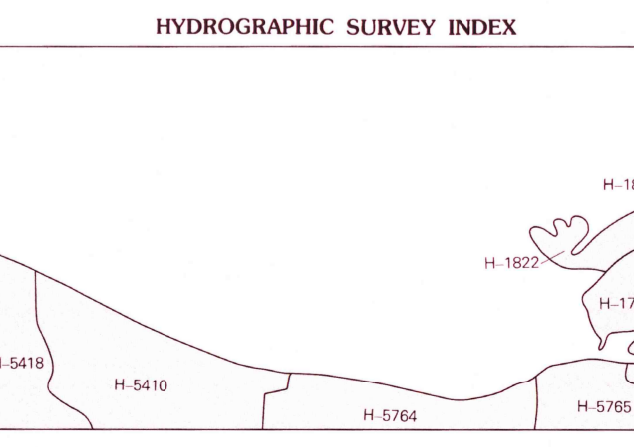
- Primary highway, hard surface
- Secondary highway, hard surface
- Light duty road, principal street, hard or improved surface
- Other road or street, rail
- Road marker: interstate, U. S. State
- Railroad: standard gage, narrow gage
- Bridge: overpass, underpass
- Tunnel: road, street
- Built up area, locality, station
- 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, proposed
- Power transmission line, pipeline
- Dam, dam with lock
- Canal, building
- Windmill, water well, spring
- Mine shaft, adit or cave, mine, quarry, gravel pit
- Campground, picnic area, U. S. location monument
- Road, off-road
- Dotted 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
- Soak, mangrove
- Orchard, vineyard

A pamphlet describing topographic maps is available on request.



HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY METHOD
H-1717	1988	1:20 000	02-30
H-1821	1988	1:20 000	30-30
H-2410	1988	1:40 000	15-82
H-2410	1983, 84	1:40 000	20-12
H-2564	1934	1:40 000	10-45
H-2564	1935	1:40 000	06-41



Photographic copies of the above and prior surveys may be obtained at the cost of reproduction by addressing the Director, U.S. Geological Survey, National Ocean and Atmospheric Administration, Rockville, Maryland 20852.