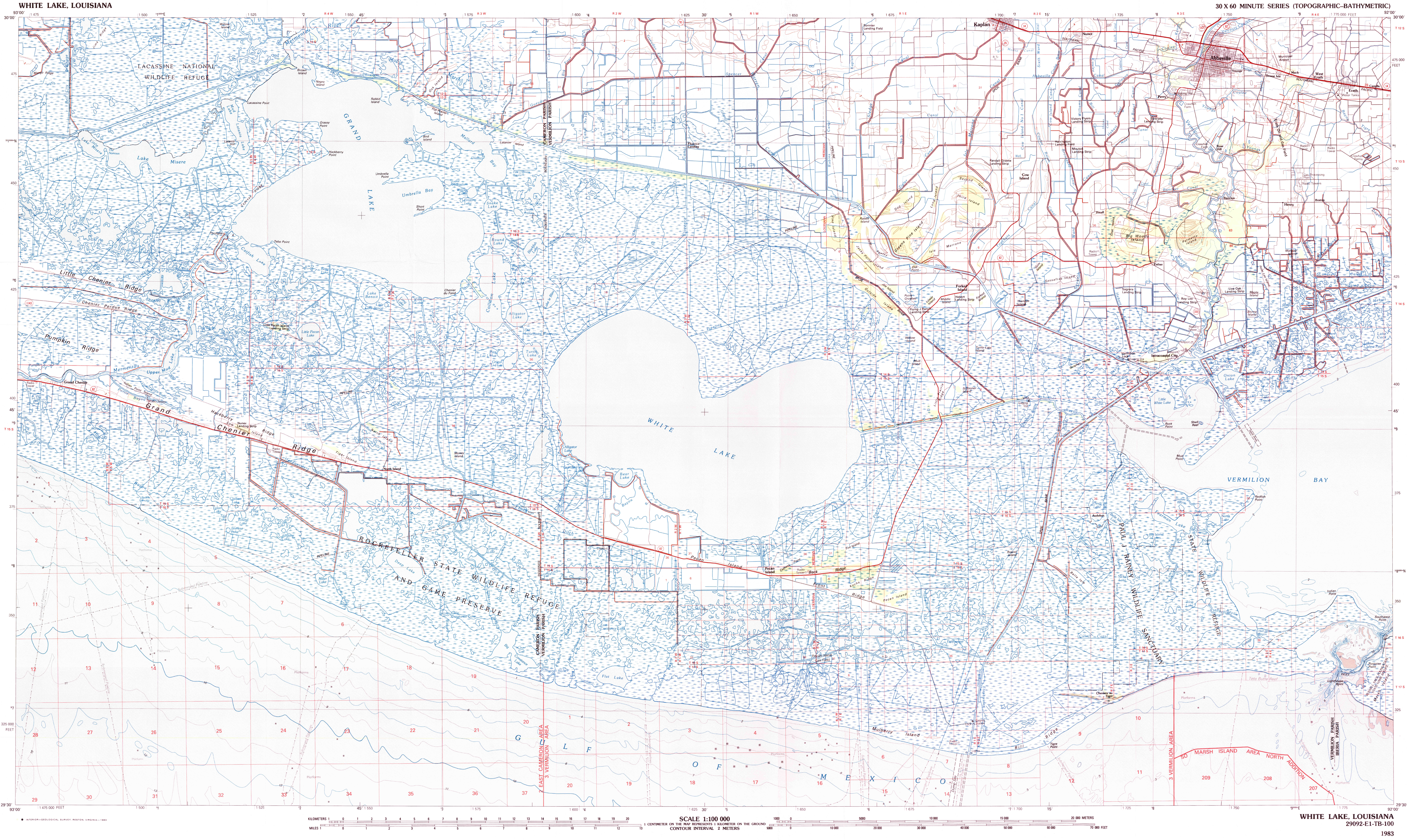
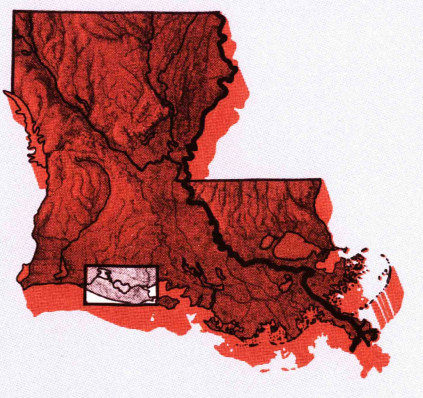




White Lake

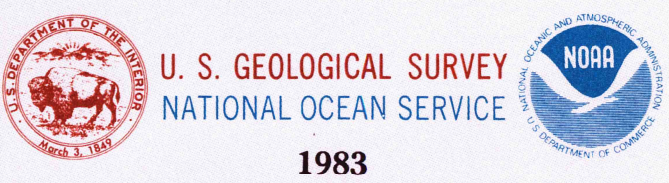
LOUISIANA

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
Planimetry revised 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. Apogee shoreline (outer edge of vegetation) shown by light solid line. Projection and 10 000-meter grid, zone 18 UTM Transverse Mercator 25 000-foot grid ticks based on Louisiana coordinate system, south zone 1987 North American Datum.
To place on the predicted North American Datum 1983, move the projection lines 20 meters south and 15 meters east.
Offshore protection survey data, shown in red, are compiled by the Bureau of Land Management. Heavy black outline limits of BLM Outer Continental Shelf.
The projections on this map are not for Federal listing purposes, for such purposes, refer to the 1:250 000-scale USGS National Ocean Service Diagrams available from the Bureau of Land Management.
There may be minor inaccuracies in the boundaries of 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 VERTICAL DATUM of 1989
BATHYMETRIC CONTOUR INTERVAL 2 METERS WITH
SUPPLEMENTARY 1 METER CONTOURS NEAR LOW WATER DATUM
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

BASE MAP COMPLIES WITH NATIONAL MAP ACCURACY
STANDARDS. BATHYMETRIC SURVEY DATA COMBINES WITH
INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO) SPECIAL
PUBLICATION 4 ACCURACY STANDARDS AND/OR STANDARDS
USED AS OF THE DATE OF THE SURVEYS.

CONVERSION TABLE		DECLINATION DIAGRAM		ADDITIONAL MAPS		
Meters	Feet	Meters		1	2	3
1	3.2808	0° 15' N		4	5	
2	6.5617	0° 30' N		6	7	8
3	9.8425	0° 45' N		1	2	3
4	13.1234	1° 00' N		4	5	6
5	16.4042	1° 15' N		1	2	3
6	19.6850	1° 30' N		4	5	6
7	22.9658	1° 45' N		1	2	3
8	26.2466	2° 00' N		4	5	6
9	29.5274	2° 15' N		1	2	3
10	32.8082	2° 30' N		4	5	6

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

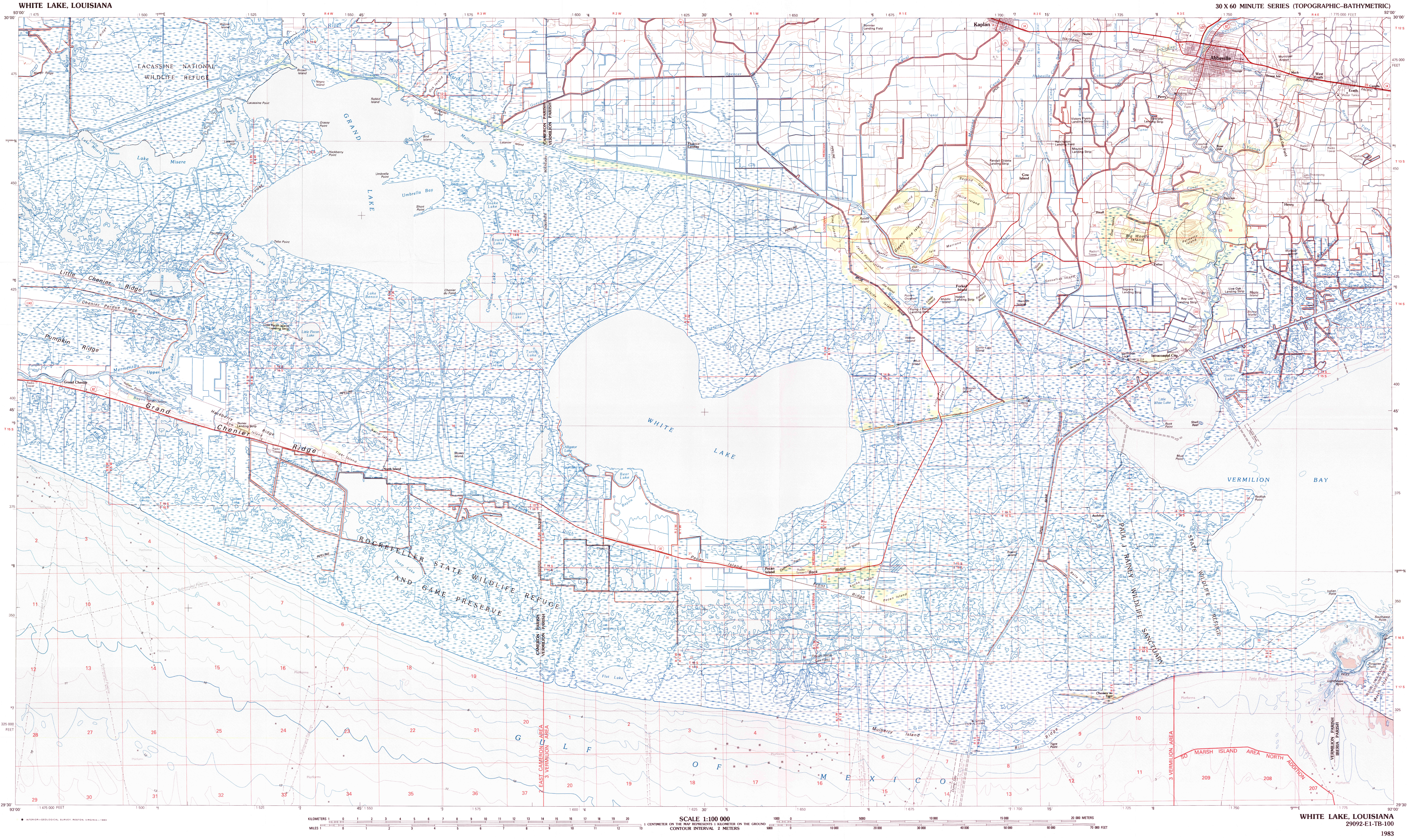
UTM grid convergence (GN) and 100 magnetic declination (MN) at center of map.
Diagram is approximate.

FOR SALE BY U.S. GEOLOGICAL SURVEY
DENVER, COLORADO 80202 OR RESTON, VIRGINIA 22092
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, gravel
- Road marker: Interstate, U. S. State
- Railroad: standard gauge, narrow gauge
- Bridge: overpass, underpass
- Tunnel: road, 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, protected
- Power transmission line, pipeline
- Dam, dam with lock
- Canal, building
- Windmill, water well, spring
- Mine shaft: adit or cave, mine, quarry, gravel pit
- Comproment, picnic area, U. S. location monument
- Rail, off 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
- Soda, mangrove
- Orchard, vineyard

A pamphlet describing topographic maps is available on request



HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY METHOD
H-177	1988	1:20 000	02-30
H-181	1988	1:20 000	02-30
H-182	1988	1:20 000	02-30
H-183	1988	1:20 000	02-30
H-184	1988	1:20 000	02-30
H-185	1988	1:20 000	02-30
H-186	1988	1:20 000	02-30
H-187	1988	1:20 000	02-30

HYDROGRAPHIC SURVEY INDEX

USGS NHD HISTORICAL MAP

REC'D FILE COPY

Scale: 1:100 000

1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND

CONTOUR INTERVAL 2 METERS

WHITE LAKE, LOUISIANA
29092-E1-TB-100
1983