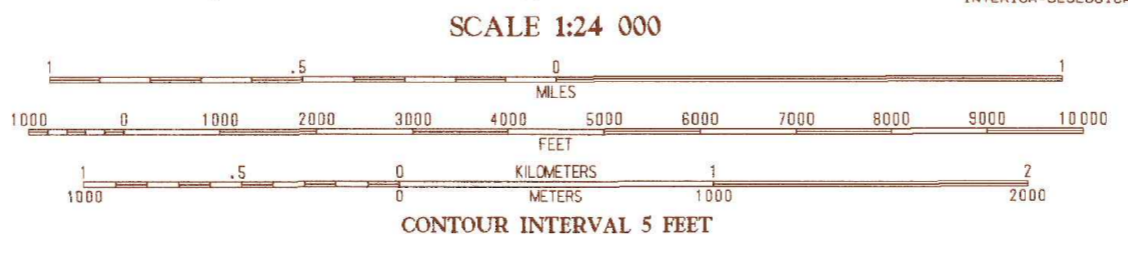


PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY  
CONTROL BY: USGS AND NOS/NOAA AND LOUISIANA HIGHWAY DEPARTMENT  
FIELD CHECKED: 1983 MAP EDITED: 1988  
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN: 1981  
PROJECTION: LAMBERT CONFORMAL CONIC  
GRID: 100-METER UNIVERSAL TRANSVERSE MERCATOR ZONE 15  
10,000-FOOT STATE GRID TICKS: LOUISIANA, SOUTH ZONE  
UTM GRID DECLINATION: 0°00' EAST  
1984 MAGNETIC NORTH DECLINATION: 5°00' EAST  
VERTICAL DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929  
HORIZONTAL DATUM: 1927 NORTH AMERICAN DATUM  
To place on the predicted North American Datum of 1983,  
move the projection lines as shown by dashed corner ticks  
(19 meters south and 15 meters east)  
There may be private inholdings within the boundaries of any  
Federal and State Reservations shown on this map  
No distinction made between houses, barns, and other buildings  
All or part of this quadrangle lies within an area of subsidence  
Where omitted, land lines have not been established  
All lettering generated and positioned by automated type

**PROVISIONAL MAP**  
Produced from original  
manuscript drawings. Informa-  
tion shown as of date of  
photography.



To convert feet to meters multiply by .3048  
To convert meters to feet multiply by 3.2808

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092



1	2	3	1 Lacassine
2	3	4	2 Welsh South
3	4	5	3 Bayou
4	5	6	4 Lake Arthur
5	6	7	5 Lake Miere
6	7	8	6 Latania Lake
7	8		7 Mallard Bay
8			

THORNWELL, LOUISIANA  
SE 1/4 WELSH 15' QUADRANGLE  
PROVISIONAL EDITION 1985