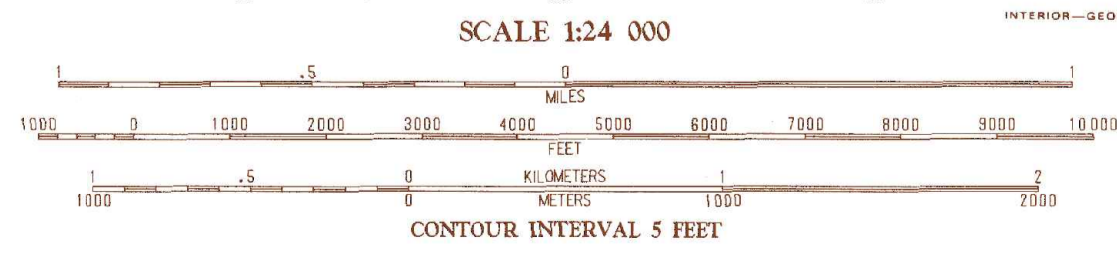


PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY  
CONTROL BY . . . . . USGS AND NOS/NOAA  
AND LOUISIANA HIGHWAY DEPARTMENT  
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN . . . . . 1984  
FIELD CHECKED . . . . . 1983. MAP EDITED . . . . . 1984  
PROJECTION . . . . . LAMBERT CONFORMAL CONIC  
GRID: 100-METER UNIVERSAL TRANSVERSE MERCATOR . . . . . ZONE 15  
1000-FOOT STATE GRID TICKS . . . . . LOUISIANA, SOUTH ZONE  
UTM GRID DECLINATION . . . . . 0°02' 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  
(15 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.

**PROVISIONAL MAP**  
Produced from original  
manuscript drawings. Infor-  
mation shown as of date of  
photography.



**ROAD LEGEND**

Improved Road . . . . .

Unimproved Road . . . . .

Trail . . . . .

Interstate Route □ U.S. Route ○ State Route

1	2	3	1	Iowa
2	3	4	2	Lacassine
3	4	5	3	Wald South
4	5	6	4	Lake Charles SE
5	6	7	5	Thornwell
6	7	8	6	Boudreaux Lake
7	8		7	Lake Misere
8			8	Latania Lake

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092  
AND LOUISIANA DEPARTMENT OF PUBLIC WORKS, BATON ROUGE, LOUISIANA 70804

HAYES, LOUISIANA  
SW 1/4 WELSH 15 QUADRANGLE  
PROVISIONAL EDITION 1984