

EXPLANATION

- Area of probable interconnection between aquifer mapped and underlying aquifer (confining clay between aquifers generally less than 20 feet in thickness)
- STRUCTURE CONTOUR—Shows altitude of top of aquifer. Contour interval 200 feet. National Geodetic Vertical Datum of 1929
- Area of freshwater-saltwater interface within aquifer
- CONTOUR—Shows altitude of base of freshwater. Contour interval 200 feet. National Geodetic Vertical Datum of 1929
- CONTROL POINTS AND DESCRIPTIONS—**
- Observation well
- Saltwater-monitor well
- Gas or oil-test well
- Top number with letter prefix identifies observation or monitor well; five or six-digit serial number identifies gas or oil-test well. Middle three-digit number is altitude of base of freshwater, in feet. Bottom three-digit number is altitude of top of aquifer, in feet. Dashed where data is missing

Base from U.S. Geological Survey State base map, 1:500,000

(Geohydrology by J.R. McKay and S.T. Mumme)

SHELL KEYS NATIONAL WILDLIFE REFUGE

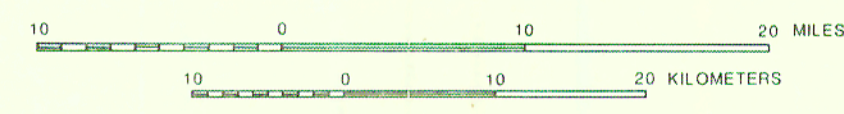


PLATE 2. ALTITUDE OF THE BASE OF FRESHWATER AND STRUCTURE CONTOURS ON THE TOP OF THE "UPPER SAND" OF THE CHICOT AQUIFER SYSTEM IN SOUTHWESTERN LOUISIANA.