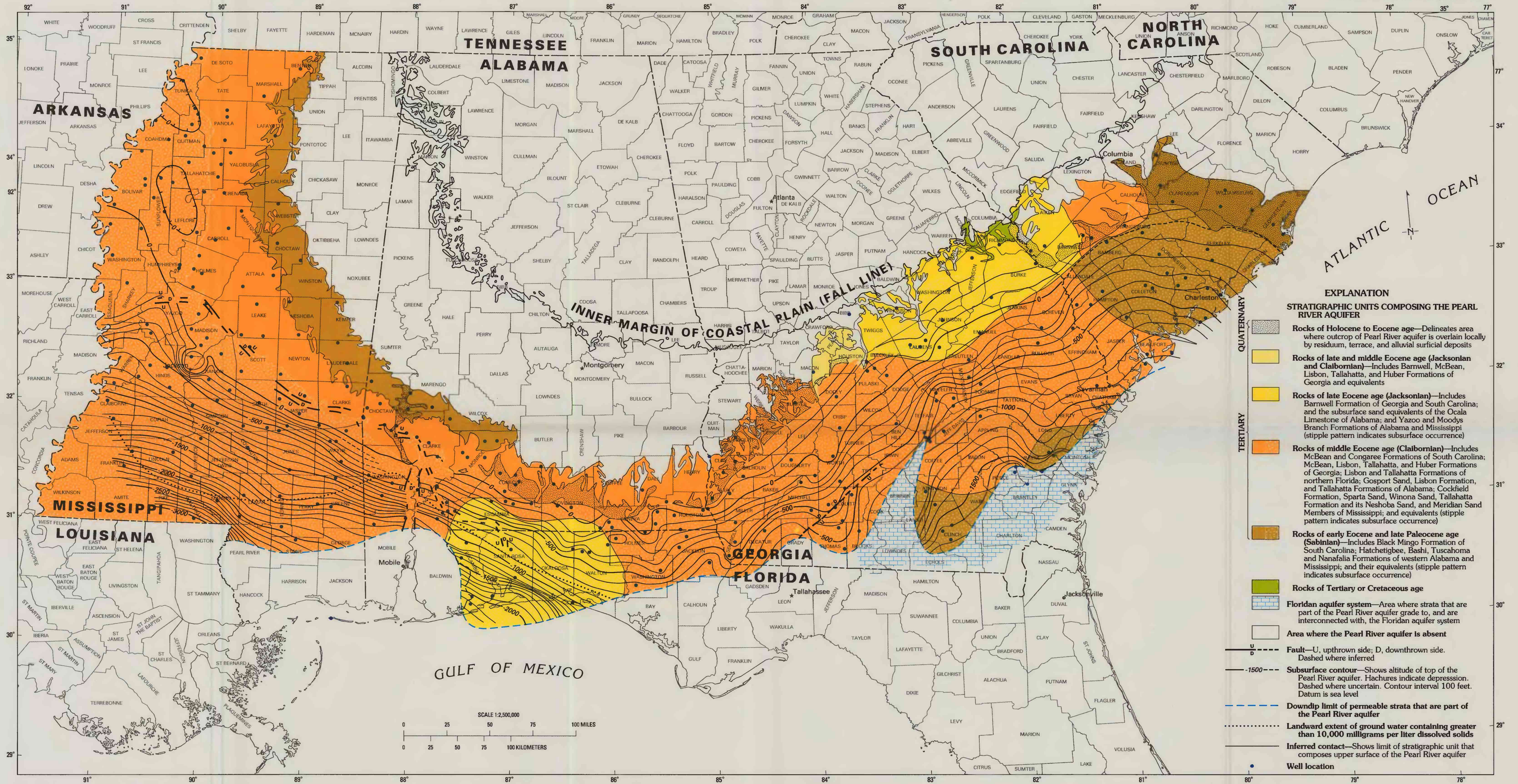


Renken, R.A., 1996, Hydrogeology of the Southeastern Coastal Plain aquifer system in Mississippi, Alabama, Georgia, and South Carolina



- EXPLANATION**
- STRATIGRAPHIC UNITS COMPOSING THE PEARL RIVER AQUIFER**
- Rocks of Holocene to Eocene age—Delineates area where outcrop of Pearl River aquifer is overlain locally by residuum, terrace, and alluvial surficial deposits
  - Rocks of late and middle Eocene age (Jacksonian and Claibornian)—Includes Barnwell, McBean, Lisbon, Tallahatta, and Huber Formations of Georgia and equivalents
  - Rocks of late Eocene age (Jacksonian)—Includes Barnwell Formation of Georgia and South Carolina; and the subsurface sand equivalents of the Ocala Limestone of Alabama; and Yazoo and Moodys Branch Formations of Alabama and Mississippi (stipple pattern indicates subsurface occurrence)
  - Rocks of middle Eocene age (Claibornian)—Includes McBean and Congaree Formations of South Carolina; McBean, Lisbon, Tallahatta, and Huber Formations of Georgia; Lisbon and Tallahatta Formations of northern Florida; Gosport Sand, Lisbon Formation, and Tallahatta Formations of Alabama; Cockfield Formation, Sparta Sand, Winona Sand, Tallahatta Formation and its Neshoba Sand, and Meridian Sand Members of Mississippi; and equivalents (stipple pattern indicates subsurface occurrence)
  - Rocks of early Eocene and late Paleocene age (Sabinian)—Includes Black Mingo Formation of South Carolina; Hatchetigbee, Bashi, Tusahoma and Nanafalia Formations of western Alabama and Mississippi; and their equivalents (stipple pattern indicates subsurface occurrence)
  - Rocks of Tertiary or Cretaceous age
  - Floridan aquifer system—Area where strata that are part of the Pearl River aquifer grade to, and are interconnected with, the Floridan aquifer system
  - Area where the Pearl River aquifer is absent
  - Fault—U, upthrown side; D, downthrown side. Dashed where inferred
  - Subsurface contour—Shows altitude of top of the Pearl River aquifer. Hatchures indicate depression. Dashed where uncertain. Contour interval 100 feet. Datum is sea level
  - Down dip limit of permeable strata that are part of the Pearl River aquifer
  - Landward extent of ground water containing greater than 10,000 milligrams per liter dissolved solids
  - Inferred contact—Shows limit of stratigraphic unit that composes upper surface of the Pearl River aquifer
  - Well location

# GEOLOGY AND CONFIGURATION OF THE TOP OF THE PEARL RIVER AQUIFER

By  
**Robert A. Renken**  
1996

Base modified from U.S. Geological Survey digital data, 1:2,000,000, 1972