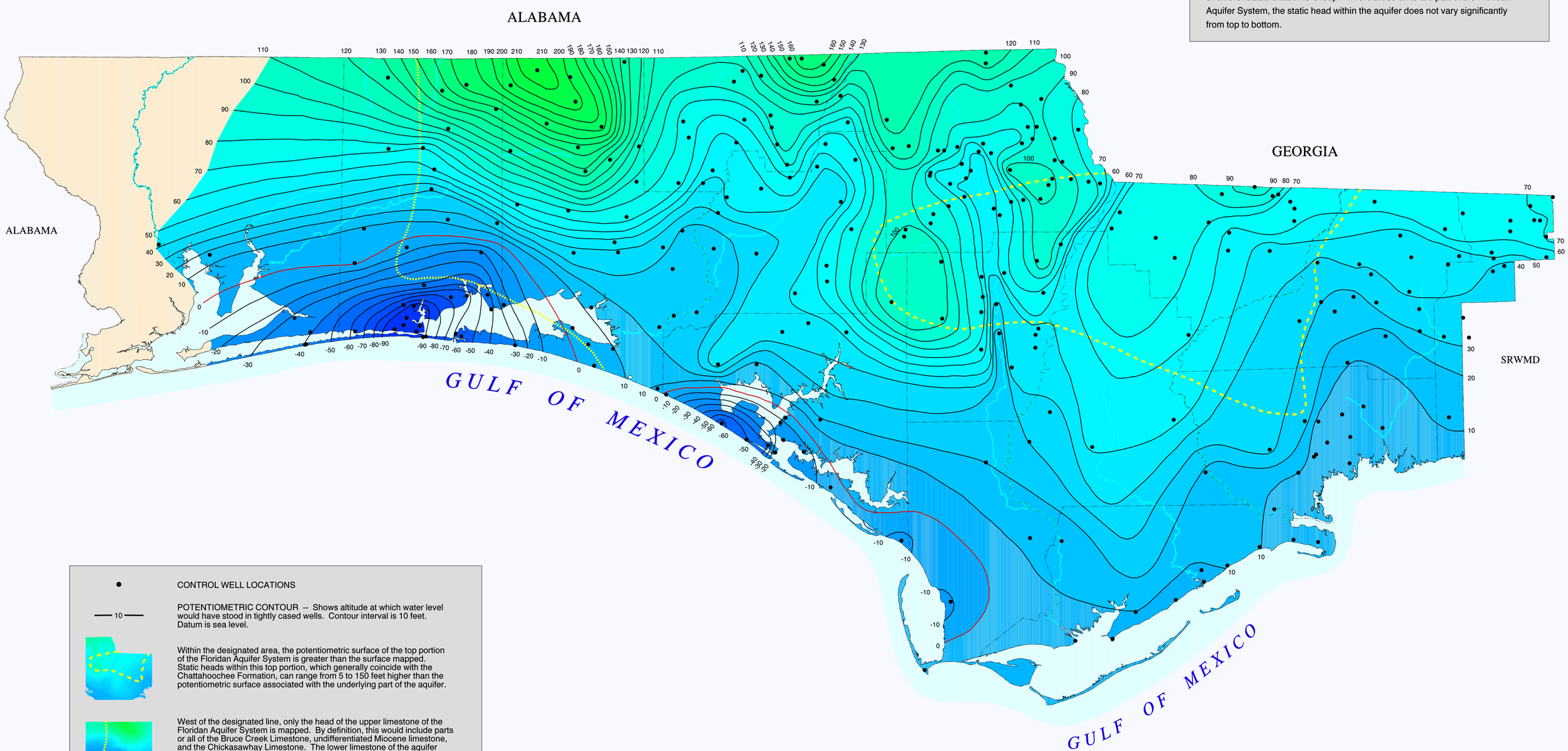
The mapped surface represents the hydraulic heads associated with the following stratigraphic units: Bruce Creek Limestone, St. Marks Formation, Chickasawhay Limestone, Suwannee Limestone, Marianna Limestone, Ocala Limestone, and the undifferentiated Claiborne Group. Where these units are part of the Floridan Aquifer System, the static head within the aquifer does not vary significantly from top to bottom.

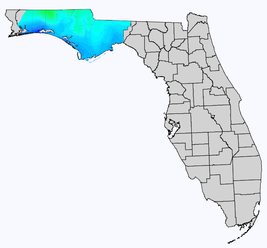


CONTROL WELL LOCATIONS

10 — POTENTIOMETRIC CONTOUR -- Shows altitude at which water level would have stood in tightly cased wells. Contour interval is 10 feet. Datum is sea level.

Within the designated area, the potentiometric surface of the top portion of the Floridan Aquifer System is greater than the surface mapped. Static heads within this top portion, which generally coincide with the Chattahoochee Formation, can range from 5 to 150 feet higher than the potentiometric surface associated with the underlying part of the aquifer.

West of the designated line, only the head of the upper limestone of the Floridan Aquifer System is mapped. By definition, this would include parts or all of the Bruce Creek Limestone, undifferentiated Miocene limestone, and the Chickasawhay Limestone. The lower limestone of the aquifer (Ocala Limestone) is hydraulically separated from the upper limestone by the Bucatunna Clay Confining Unit. The heads within the lower unit are affected by injection pressures due to deep well disposal practices.



N W E S

SCALE 1:500,000

0 25 50 75
Kilometers

0 10 20 30 40 50
Miles

POTENTIOMETRIC SURFACE OF THE FLORIDAN AQUIFER SYSTEM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT

MAY

1991

NWFWMD MAP SERIES 99-1

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