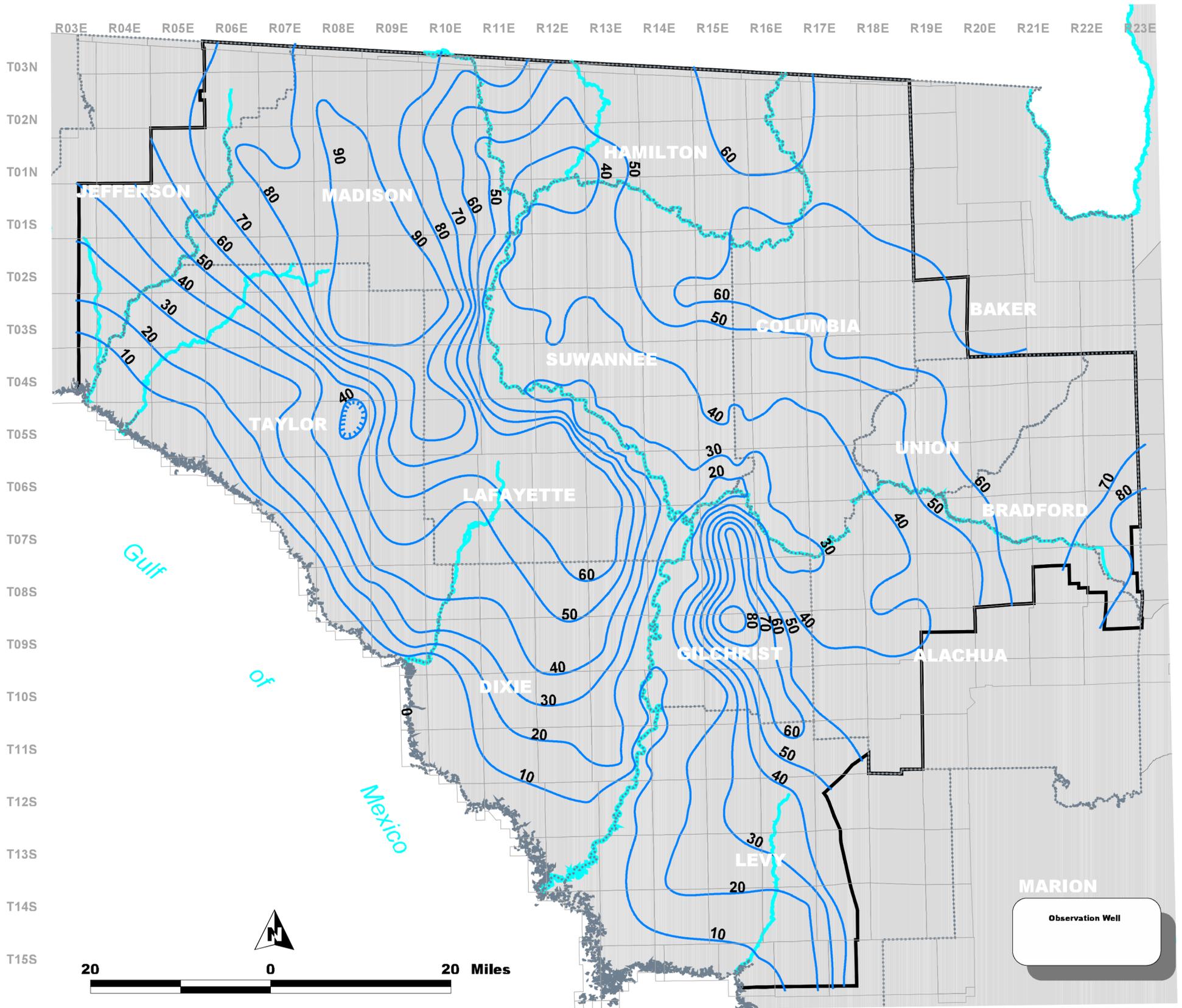


POTENTIOMETRIC SURFACE OF THE UPPER FLORIDAN AQUIFER IN THE SUWANNEE RIVER WATER MANAGEMENT DISTRICT MAY 2005



This map depicts the May 2005 potentiometric surface of the Floridan aquifer system, the principle source of potable water in the Suwannee River Water Management District (District). The potentiometric surface is the height above mean sea level that the water table would have stood in tightly cased wells and the contours indicate areas with equal water table elevations. The contours were drawn based on groundwater level data collected throughout the month of May from 430 wells which penetrate the upper Floridan aquifer system.

The month of May typically has a lower aquifer water table due to the commencement of summer rainfall patterns and high evapo-transpiration preventing recharge. However, above average rainfall persisted past early spring and provided substantial aquifer recharge, resulting in groundwater levels at approximately the 74th percentile of their total fluctuation. Cumulative rainfall throughout the District for May was 4.20 inches, or about 0.82 inches above normal. As a result, groundwater levels remained steadily high through the month. Flood stage was reached on the Santa Fe and Aucilla Rivers at the beginning of the month, but had receded by month's end (Tom Mirti, Hydrologic Conditions Report, May 2005).



Location of SRWMD