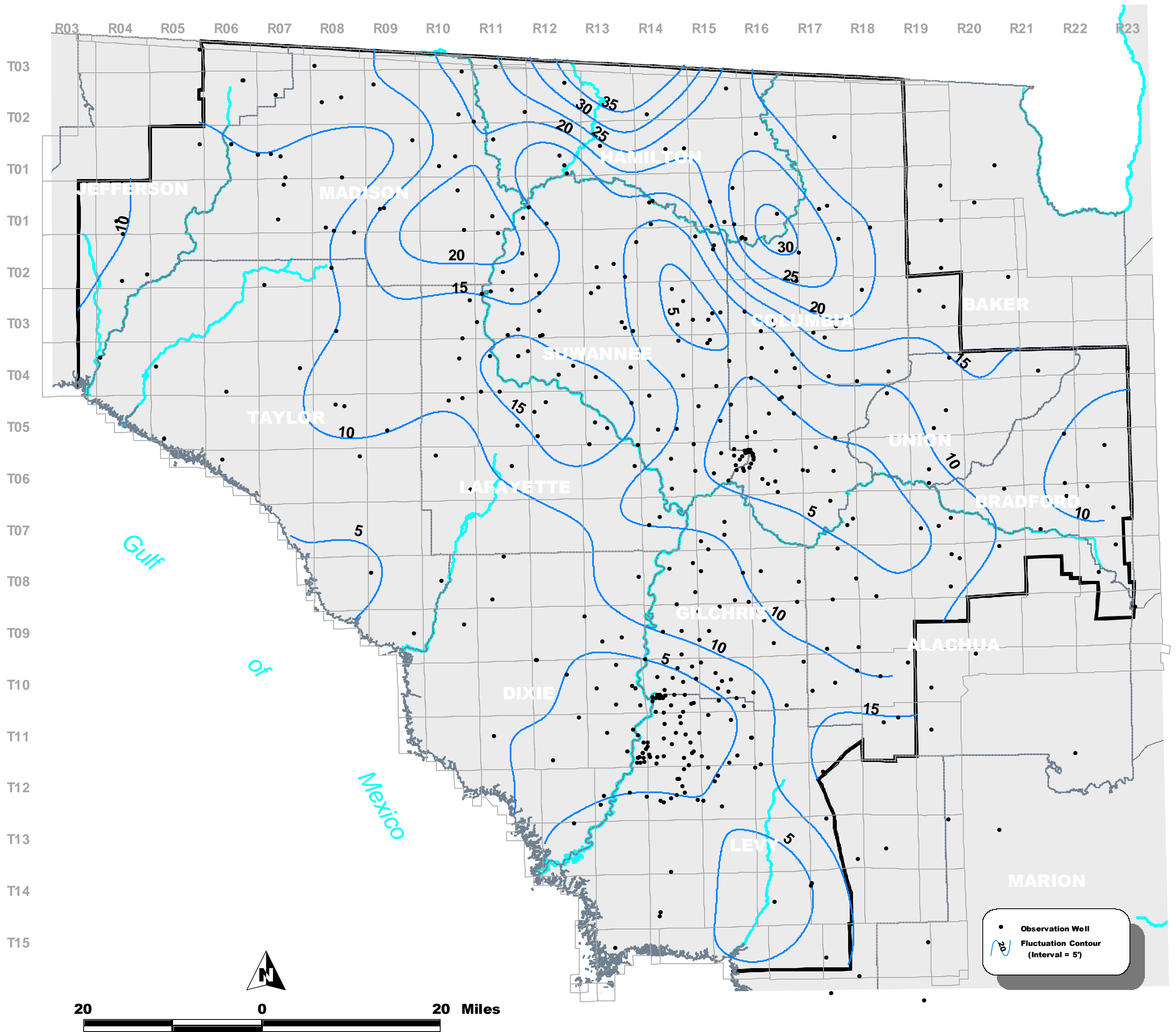
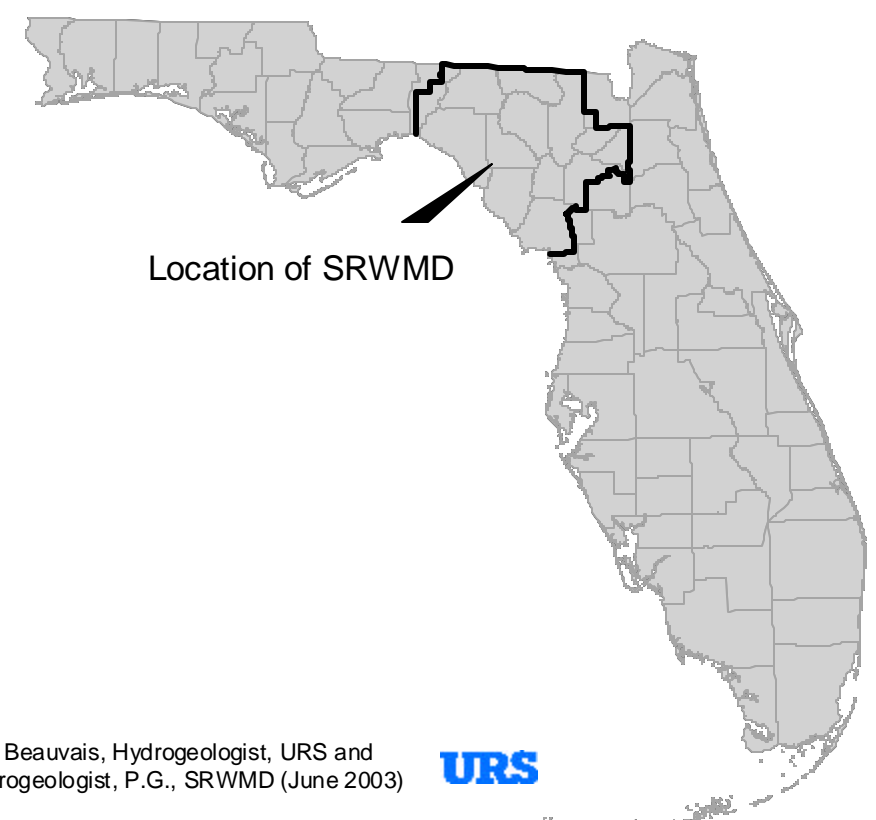


TOTAL FLUCTUATION OF GROUNDWATER LEVELS IN THE FLORIDAN AQUIFER SYSTEM IN THE SUWANNEE RIVER WATER MANAGEMENT DISTRICT, FLORIDA



The contour lines on this map depict the total amount of fluctuation in the potentiometric surface of the Floridan aquifer system. The potentiometric surface is the height above mean sea level that the water table would have stood in tightly cased wells and the contours define areas with equal water table fluctuations. The total fluctuation is the difference between the maximum and the minimum water level recorded for each well.

In more than two-thirds of the District the total fluctuation is less than 15 feet. The lowest fluctuation is found along the coast where the water table remains just above mean sea level. Higher fluctuations occur along the river corridors where the aquifer is influenced by the river's response to flooding and drought. The most dynamic fluctuation is seen in the Alapaha River basin in Hamilton County where the water table may fluctuate over 35 feet.



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