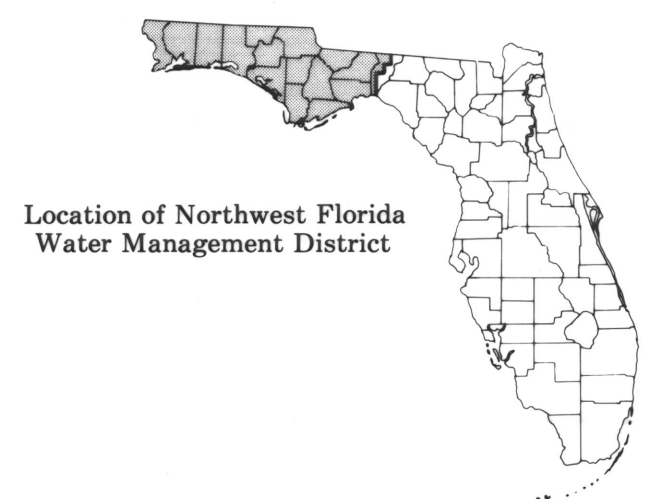
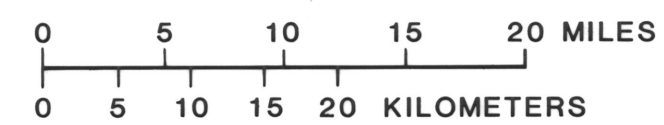


This map shows the May 1990 potentiometric surface of the Upper Floridan aquifer, the principal source of fresh ground water in northwest Florida, and is based on ground-water levels measured during the annual low water-level period. Water levels in May 1990 were about 1 to 2 feet lower than May 1985 levels in the eastern areas of northwest Florida and about the same to 1 to 2 feet higher than the May 1985 levels in the western part of the area. The water-level data used to prepare the potentiometric surface map were collected during the week of May 14-18, 1990. Cumulative rainfall at DeFuniak Springs, which is near the center of the area was 17.47 inches above normal for 1989 and 2.65 inches below normal for the first 5 months of 1990. Cumulative totals at Tallahassee were 1.00 inch below normal for 1989 and 5.42 inches below normal for the first 5 months of 1990.

EXPLANATION

- 10 — POTENTIOMETRIC CONTOUR—Shows altitude at which water level would have stood in tightly cased wells. Dashed where approximately located. Contour interval 10 feet. Datum is sea level (National Geodetic Vertical Datum of 1929)
- NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT BOUNDARY
- OBSERVATION WELL

NOTE: The potentiometric contours are generalized to portray synoptically the head in a dynamic hydrologic system, taking due account of the variations in hydrogeologic conditions, such as differing depths of wells, nonsimultaneous measurements of water levels, variable effects of pumping, and changing climatic influence. The potentiometric contours thus may not conform exactly with individual measurements of water level.



Location of Northwest Florida Water Management District

POTENTIOMETRIC SURFACE OF THE UPPER FLORIDAN AQUIFER SYSTEM IN THE NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT, FLORIDA, MAY 1990

By Paul E. Meadows
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