



Generalized hydrogeologic section between Wilson and New Bern showing relation of aquifers in the central Coastal Plain of North Carolina. Shaded aquifer pertains to this map.

EXPLANATION

- 40 —** POTENTIOMETRIC CONTOUR—Shows altitude at which water level would have stood in tightly cased wells. Dashed where approximately located. Contour interval 20 feet. Hachured to indicate depressions. Datum is sea level
 - OBSERVATION WELL OPEN TO THE LOWER CAPE FEAR AQUIFER
 - T A SINGLE WATER-LEVEL MEASUREMENT IN A TEMPORARY OBSERVATION WELL PRIOR TO DECEMBER 1986—Used to help estimate potentiometric contours where no other data exist
- NOTE: The potentiometric contours are generalized to portray synoptically the head in a dynamic hydrologic system taking due account of the variations in hydrologic 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. The aquifers are in the Cretaceous Peedee, Black Creek, and Cape Fear Formations.

REFERENCE

Winner, M.D., Jr., and Lyke, William L., 1986, History of ground-water pumpage and water-level decline in the Black Creek and upper Cape Fear aquifers of the central Coastal Plain of North Carolina: U.S. Geological Survey Water-Resources Investigations Report 86-4168, 21 p.

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 NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES
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 GREENE COUNTY TOWN OF FARMVILLE
 JONES COUNTY TOWN OF LA GRANGE
 ONSLOW COUNTY TOWN OF PINETOPS
 CITY OF JACKSONVILLE TOWN OF SNOW HILL
 CITY OF KINSTON TOWN OF STANTONSBURG
 CITY OF NEW BERN GREENVILLE UTILITIES
 TOWN OF AYDEN NORTH LENOIR WATER CORPORATION

POTENTIOMETRIC SURFACE OF THE LOWER CAPE FEAR AQUIFER IN THE CENTRAL COASTAL PLAIN OF NORTH CAROLINA, DECEMBER 1986

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