



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. Hachures to indicate depression. Datum is sea level
- OBSERVATION WELL OPEN TO THE BLACK CREEK AQUIFER
- ⊙ OBSERVATION WELL OPEN TO THE BLACK CREEK AND PEEDEE AQUIFERS
- OBSERVATION WELL OPEN TO THE BLACK CREEK AND UPPER CAPE FEAR AQUIFERS

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 Pee Dee, 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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 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  
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**POTENTIOMETRIC SURFACE OF THE BLACK CREEK AQUIFER IN THE CENTRAL COASTAL PLAIN OF NORTH CAROLINA, DECEMBER 1986**

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