



EXPLANATION

38 — Map number (figure 3)
 — Well section and lithologic interpretation
 — Resistance curve
 — Water level in feet above (+) or below (-) sea level
 — Test interval
 — Chloride value in milligrams per liter

LITHOLOGIC INTERPRETATION

— Relatively impermeable section that consists mostly of clay and silt. These represent confining beds
 — Relatively permeable section that consists mostly of sand or limestone. These represent aquifers
 — Section containing a mixture of sand and clay that is intermediate between confining-unit and aquifer properties

— — Correlation of confining unit

• • • • • Line representing the limit of water containing 250 milligrams per liter chloride

— X — X — Basement rocks not reached by test hole. Basement depth estimated from Lyke and Winner (1986)

XXX Basement rocks reached by test hole

0 2 4 6 8 10 MILES
 0 2 4 6 8 10 KILOMETERS

Vertical scale greatly exaggerated
 Cross section located in figure 3

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

HYDROGEOLOGIC SECTION A-A' FROM STANTONSBURG, WILSON COUNTY TO WASHINGTON, BEAUFORT COUNTY