

National Atlas, 1970

NEW YORK PIEDMONT PLATEAU PIEDMONT PLATEAU VIRGINIA NEW JERSEY CONNECTICUT NORTH CAROLINA **EXPLANATION** Downward vertical flow for prepumping conditions and 1980—Direction of vertical flow Upward vertical flow for prepumping conditions and 1980—Direction of vertical flow Upward vertical flow for prepumping conditions, downward vertical flow for 1980— Direction of vertical flow has changed Line of equal change in vertical flow—Shows change in vertical flow from prepumping to 1980 conditions. Interval, in inches per year, is variable Limit of aquifer—Dashed where approximately located CAPE LOOKOUT OCEAN CONTINENTAL Scale 1:2,000,000

B. Confining unit overlying the Peedee-Severn aquifer (layer 5)

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Base modified from U.S. Geological Survey

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NEW YORK PIEDMONT PLATEAU PIEDMONT VIRGINIA NEW JERSEY CONNECTICUT NORTH CAPEMAY OCEAN ATLANTIC Downward vertical flow for prepumping conditions and 1980—Direction of vertical flow has not changed Downward vertical flow for prepumping conditions, upward vertical flow for 1980-Direction of vertical flow has changed ATLANTIC Upward vertical flow for prepumping conditions and 1980—Direction of vertical flow has not changed OCEAN Upward vertical flow for prepumping conditions, downward vertical flow for 1980— Direction of vertical flow has changed CONTINENTAL Line of equal change in vertical flow—Shows change in vertical flow from prepumping to 1980 conditions. Interval, in inches per year, is variable CAPE HATTERAS Limit of aquifer—Dashed where approximately located 安 方。

MAPS SHOWING SIMULATED CHANGES IN VERTICAL LEAKAGE THROUGH THE CONFINING UNITS OVERLYING THE BEAUFORT-AQUIA, PEEDEE-SEVERN, AND BLACK CREEK-MATAWAN AQUIFERS FOR PREPUMPING TO 1980 FLOW CONDITIONS

C. Confining unit overlying the Black Creek-Matawan aquifer (layer 4)