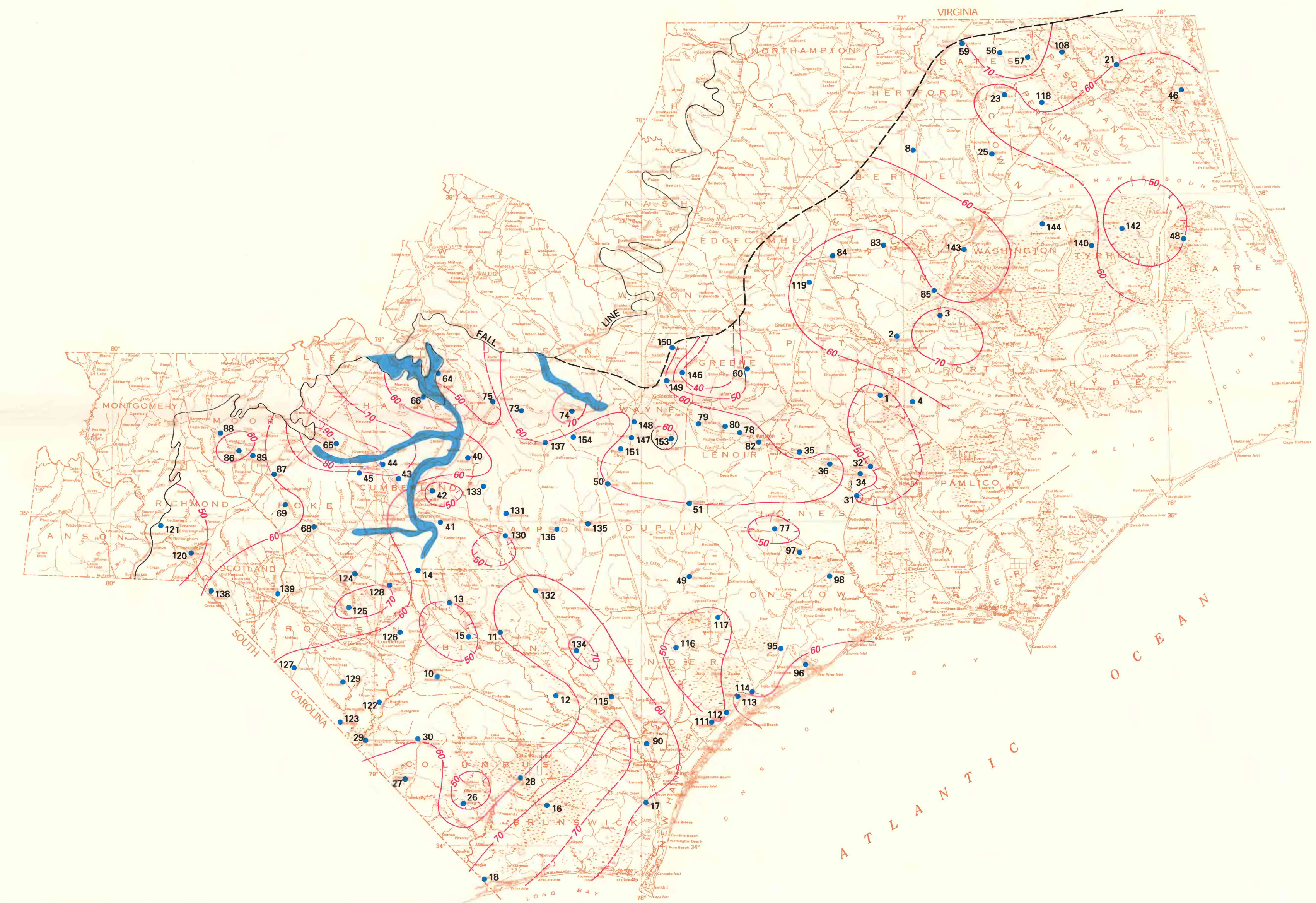


ALTITUDE OF TOP AND CHLORIDE CONCENTRATION OF THE BLACK CREEK AQUIFER

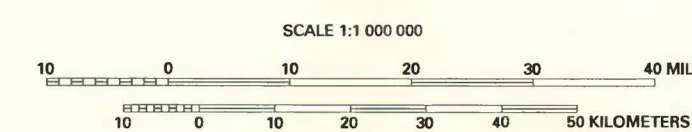


PERCENTAGE OF SAND IN THE BLACK CREEK AQUIFER



THICKNESS OF THE BLACK CREEK CONFINING UNIT

- EXPLANATION**
- AQUIFER MISSING IN STREAM VALLEY
 - TRANSITION ZONE FROM FRESH WATER TO WATER CONTAINING 250 MILLIGRAMS PER LITER CHLORIDE
 - CONFINING UNIT MISSING IN STREAM VALLEY
 - LIMIT OF AQUIFER—Coincides with Fall Line in southern part
 - 100—SUBSURFACE CONTOUR—Shows altitude of top of Black Creek aquifer. Dashed where approximately located. Contour interval 100 feet. Datum is sea level
 - 250T—LINE OF EQUAL CHLORIDE CONCENTRATION—Shows approximately where water at top of aquifer contains 250 milligrams per liter chloride
 - 250B—LINE OF EQUAL CHLORIDE CONCENTRATION—Shows approximately where water at bottom of aquifer contains 250 milligrams per liter chloride
 - 10,000T—LINE OF EQUAL CHLORIDE CONCENTRATION—Shows approximately where water at top of aquifer contains 10,000 milligrams per liter chloride
 - 10,000B—LINE OF EQUAL CHLORIDE CONCENTRATION—Shows approximately where water at bottom of aquifer contains 10,000 milligrams per liter chloride
 - 70—LINE OF EQUAL PERCENTAGE OF SAND IN THE BLACK CREEK AQUIFER—Dashed where approximately located. Hatchures indicate values less than surrounding areas. Interval 10 percent
 - LIMIT OF CONFINING UNIT SHOWN AS ZERO THICKNESS—Coincides with Fall Line in southern part
 - 25—LINE OF EQUAL THICKNESS OF THE BLACK CREEK CONFINING UNIT—Dashed where approximately located. Interval 25 feet
 - 12—WELL AND WELL NUMBER



MAPS SHOWING ALTITUDE OF TOP, CHLORIDE CONCENTRATION, AND PERCENTAGE OF SAND OF THE BLACK CREEK AQUIFER AND THICKNESS OF THE BLACK CREEK CONFINING UNIT IN THE NORTH CAROLINA COASTAL PLAIN