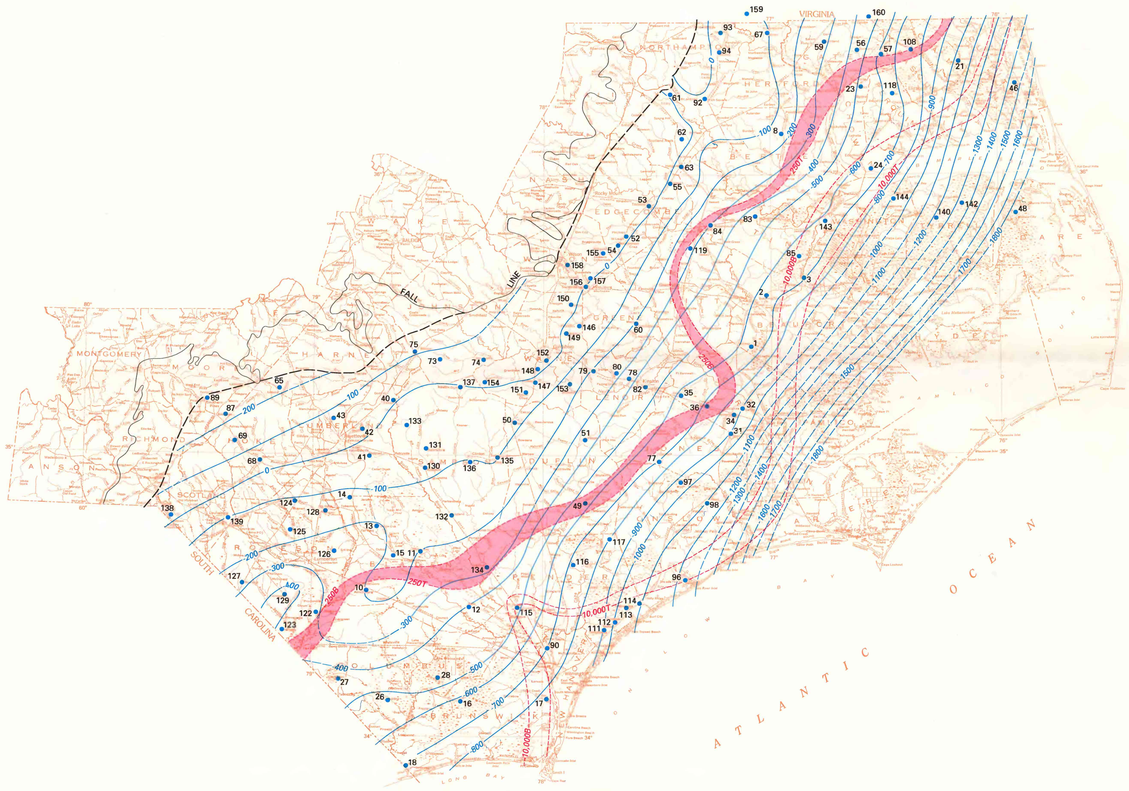
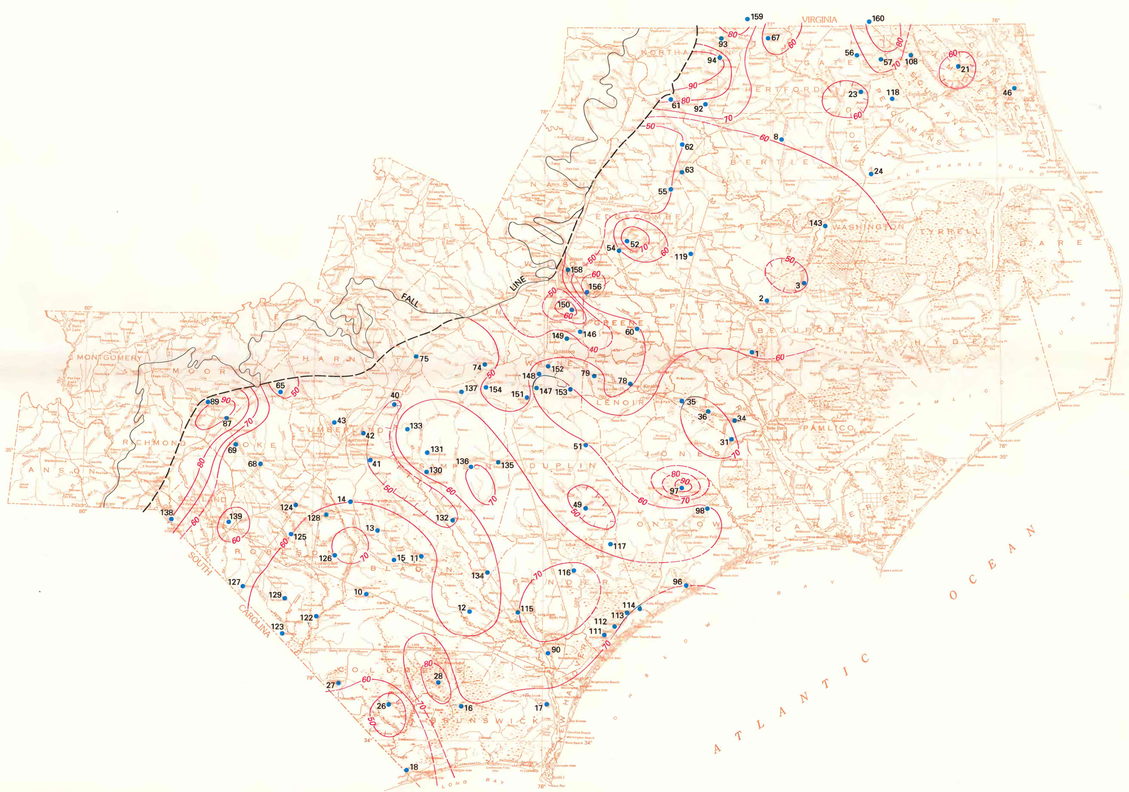
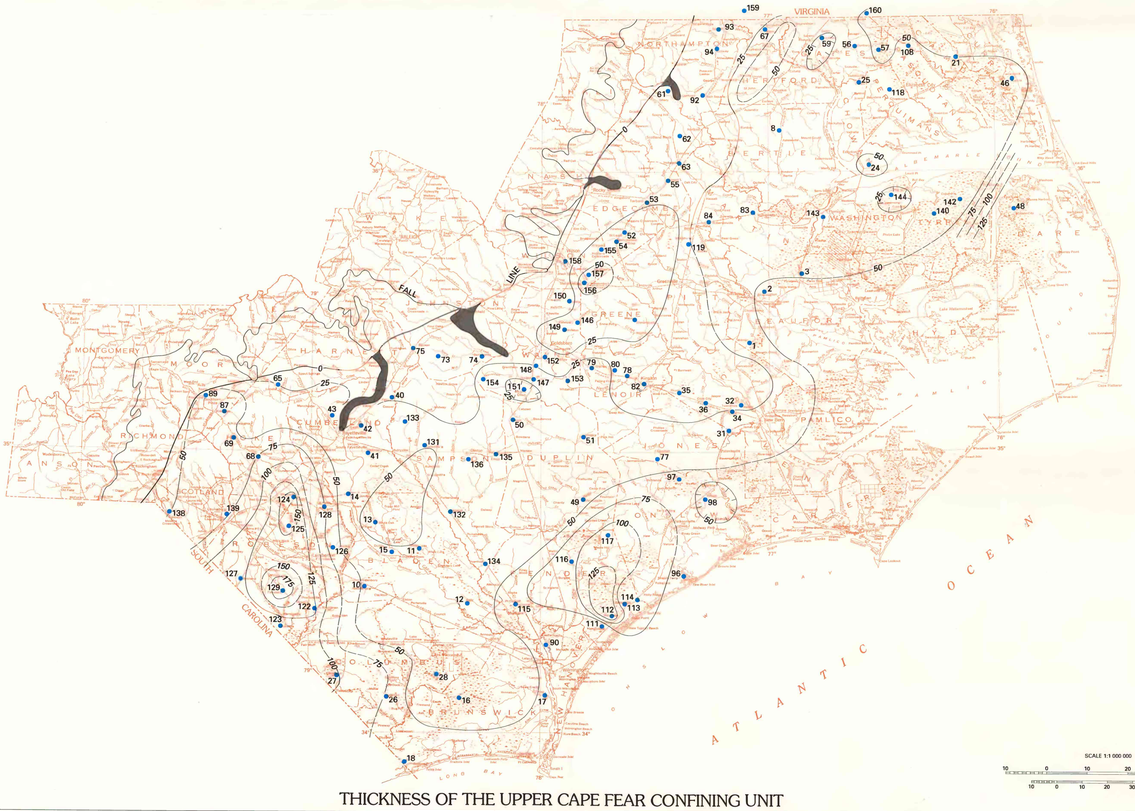


ALTITUDE OF TOP AND CHLORIDE CONCENTRATION OF THE UPPER CAPE FEAR AQUIFER



PERCENTAGE OF SAND IN THE UPPER CAPE FEAR AQUIFER



THICKNESS OF THE UPPER CAPE FEAR CONFINING UNIT

EXPLANATION

- TRANSITION ZONE FROM FRESHWATER TO WATER CONTAINING 250 MILLIGRAMS PER LITER CHLORIDE
- CONFINING UNIT MISSING IN STREAM VALLEY
- LIMIT OF AQUIFER—Coincides with Fall Line in places
- 100 — SUBSURFACE CONTOUR—Shows altitude of top of upper Cape Fear 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 UPPER CAPE FEAR AQUIFER—Dashed where approximately located. Hachures indicate values less than surrounding area. Interval 10 percent
- LIMIT OF CONFINING UNIT SHOWN AS ZERO THICKNESS—Coincides with Fall Line in places
- 25 — LINE OF EQUAL THICKNESS OF THE UPPER CAPE FEAR CONFINING UNIT—Dashed where approximately located. Hachures indicate values less than surrounding area. Interval 25 feet
- 12 WELL AND WELL NUMBER

SCALE 1:1 000 000

10 0 10 20 30 40 MILES

10 0 10 20 30 40 50 KILOMETERS

Base from U.S. Geological Survey
State base map, 1:500,000

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1996

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