
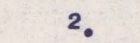






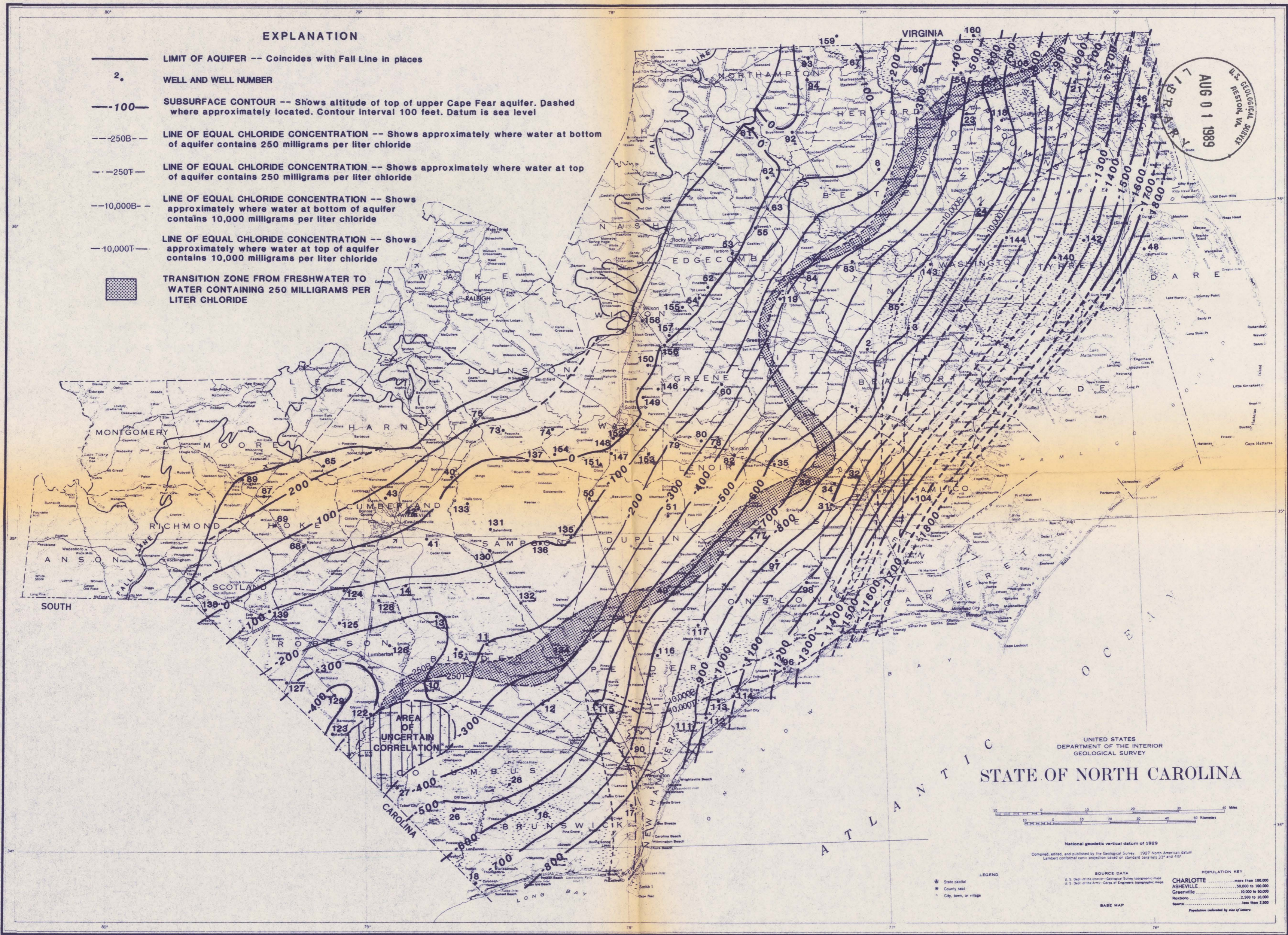


87-690-36  
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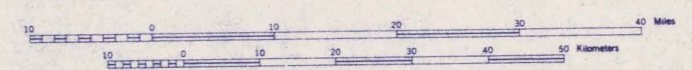
EXPLANATION

-  LIMIT OF AQUIFER -- Coincides with Fall Line in places
-  WELL AND WELL NUMBER
-  -100- SUBSURFACE CONTOUR -- Shows altitude of top of upper Cape Fear aquifer. Dashed where approximately located. Contour interval 100 feet. Datum is sea level
-  -250B- LINE OF EQUAL CHLORIDE CONCENTRATION -- Shows approximately where water at bottom of aquifer contains 250 milligrams per liter chloride
-  -250T- LINE OF EQUAL CHLORIDE CONCENTRATION -- Shows approximately where water at top of aquifer contains 250 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
-  -10,000T- LINE OF EQUAL CHLORIDE CONCENTRATION -- Shows approximately where water at top of aquifer contains 10,000 milligrams per liter chloride
-  TRANSITION ZONE FROM FRESHWATER TO WATER CONTAINING 250 MILLIGRAMS PER LITER CHLORIDE

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**STATE OF NORTH CAROLINA**



National geodetic vertical datum of 1929  
Compiled, edited, and published by the Geological Survey, 1927 North American datum  
Lambert conformal conic projection based on standard parallels 33° and 45°

LEGEND

-  State capital
-  County seat
-  City, town, or village

SOURCE DATA

- U. S. Dept. of the Interior - Geological Survey topographic maps
- U. S. Dept. of the Army - Corps of Engineers topographic maps

BASE MAP

POPULATION KEY

- CHARLOTTE ..... more than 100,000
- ASHEVILLE ..... 50,000 to 100,000
- Greenville ..... 10,000 to 50,000
- Roxboro ..... 2,500 to 10,000
- Sperts ..... less than 2,500

Population indicated by size of letters

**ALTITUDE OF THE TOP OF THE UPPER CAPE FEAR AQUIFER**