U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

PROFESSIONAL PAPER 1416-E
PLATE 6

EXPLANATION

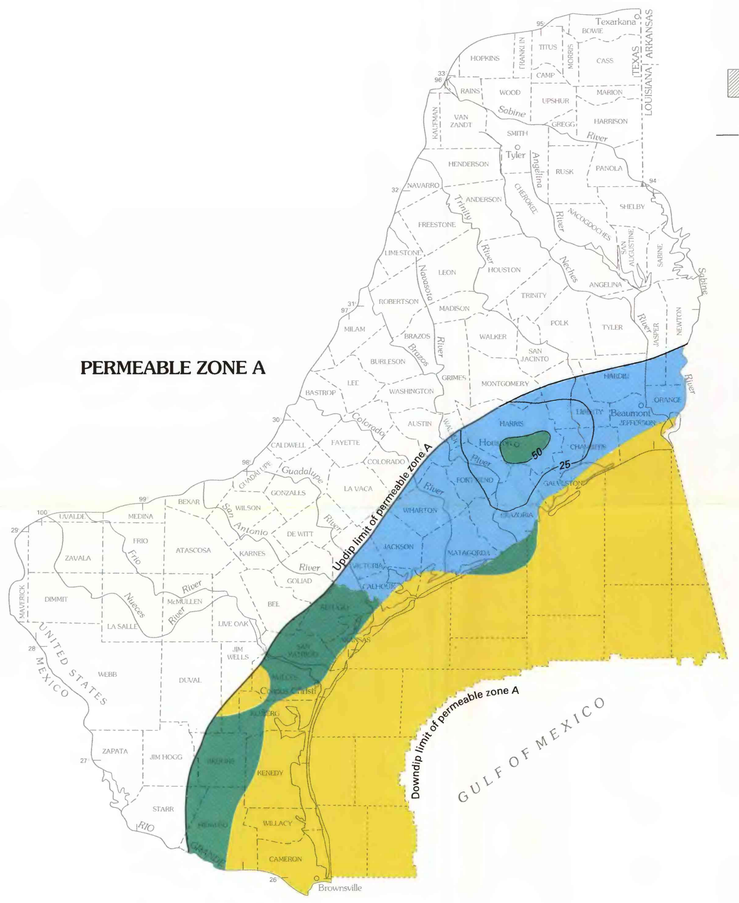
POTENTIAL FOR ADDITIONAL GROUND-WATER DEVELOPMENT

- Additional development possible
- Some additional development possible. Development may be limited by water-level declines, aquifer thickness, or lack of potential recharge
- Limited potential for development because dissolved-solids concentration in water is greater than 2,000 milligrams per liter
- Limited potential for development because of water-level declines, saturated thickness of aquifer less than 25 feet, or lack of potential recharge

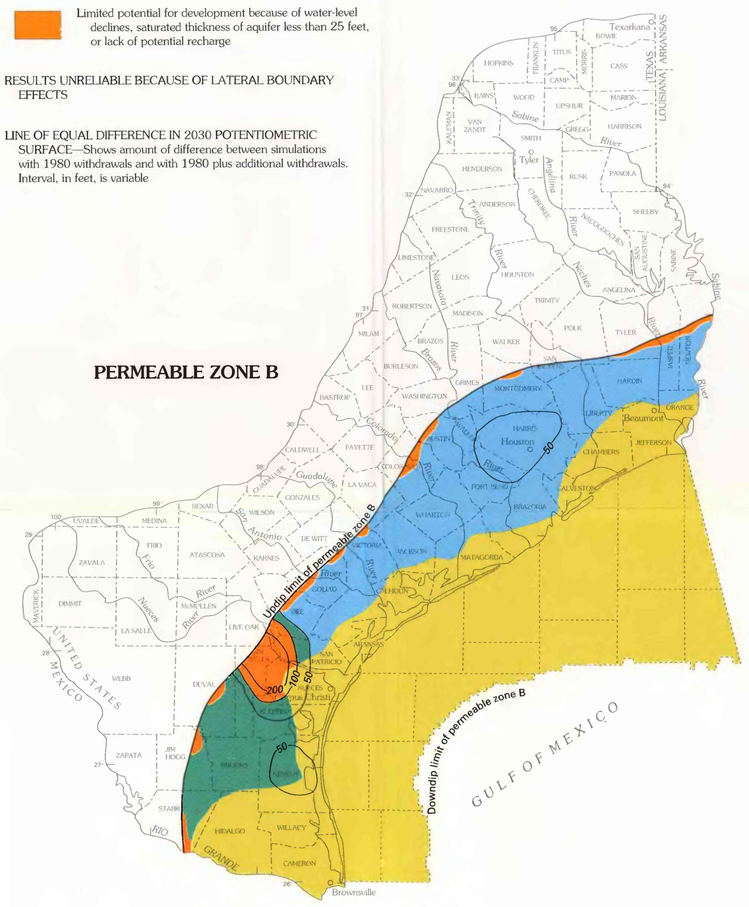
RESULTS UNRELIABLE BECAUSE OF LATERAL BOUNDARY EFFECTS

— 50 — LINE OF EQUAL DIFFERENCE IN 2030 POTENTIOMETRIC SURFACE—Shows amount of difference between simulations with 1980 withdrawals and with 1980 plus additional withdrawals. Interval, in feet, is variable

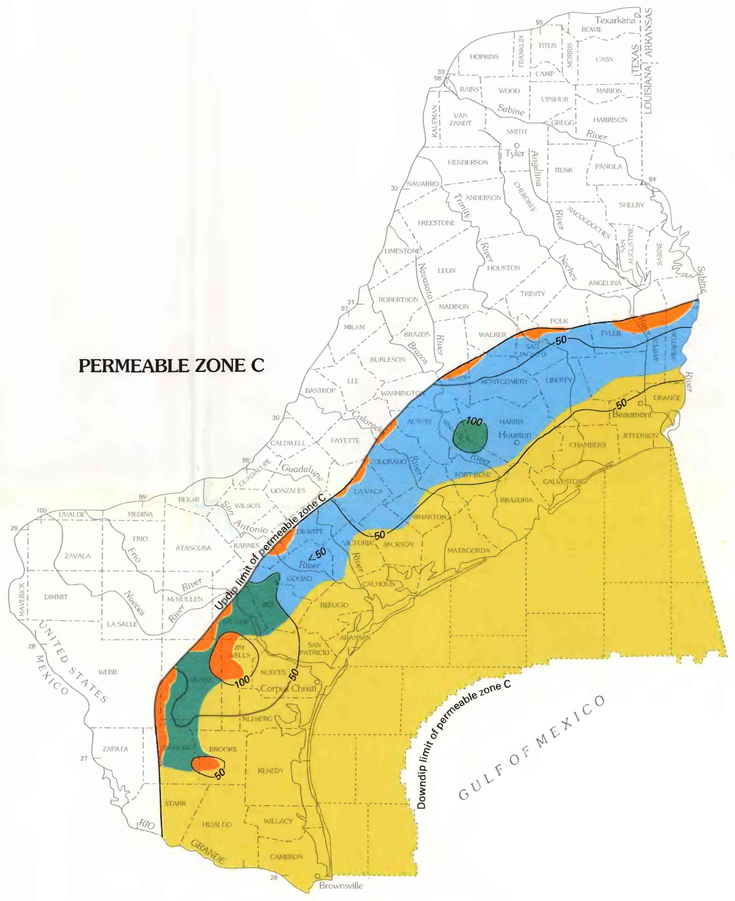
PERMEABLE ZONE A



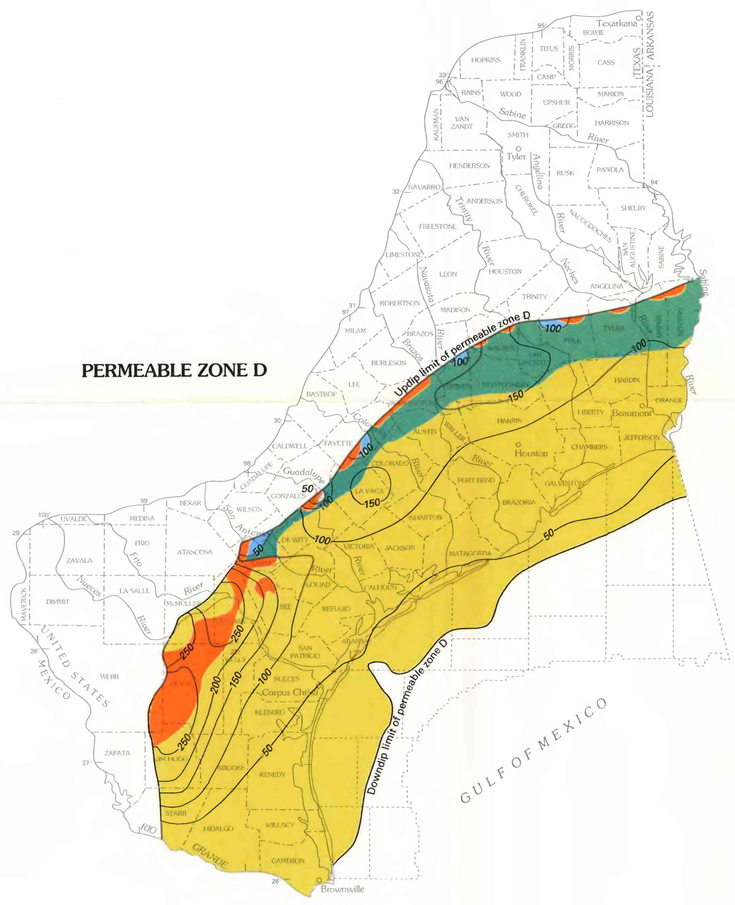
PERMEABLE ZONE B



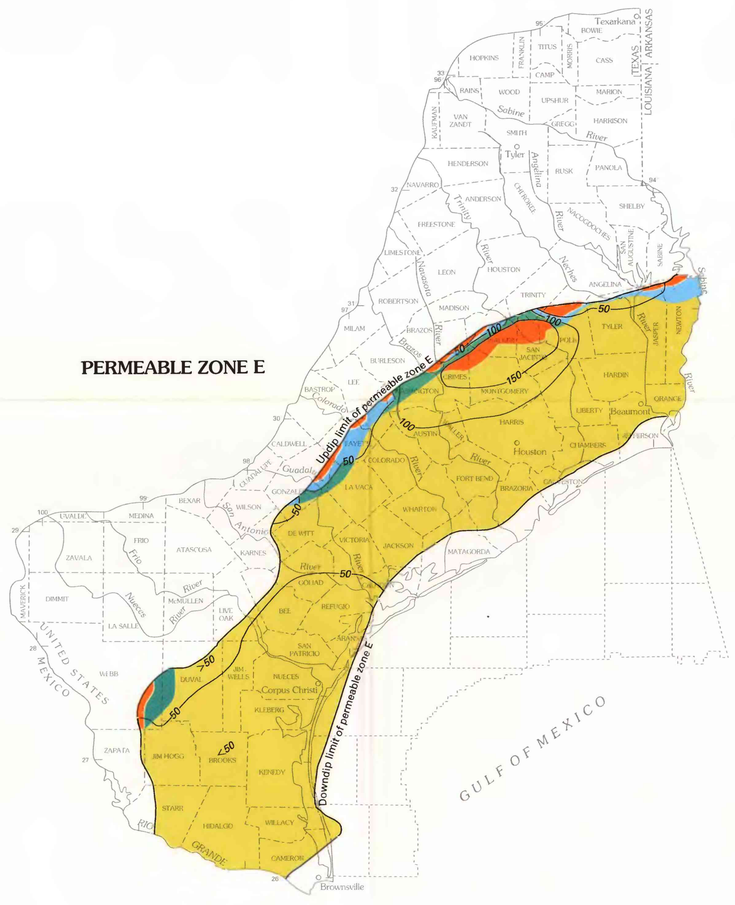
PERMEABLE ZONE C



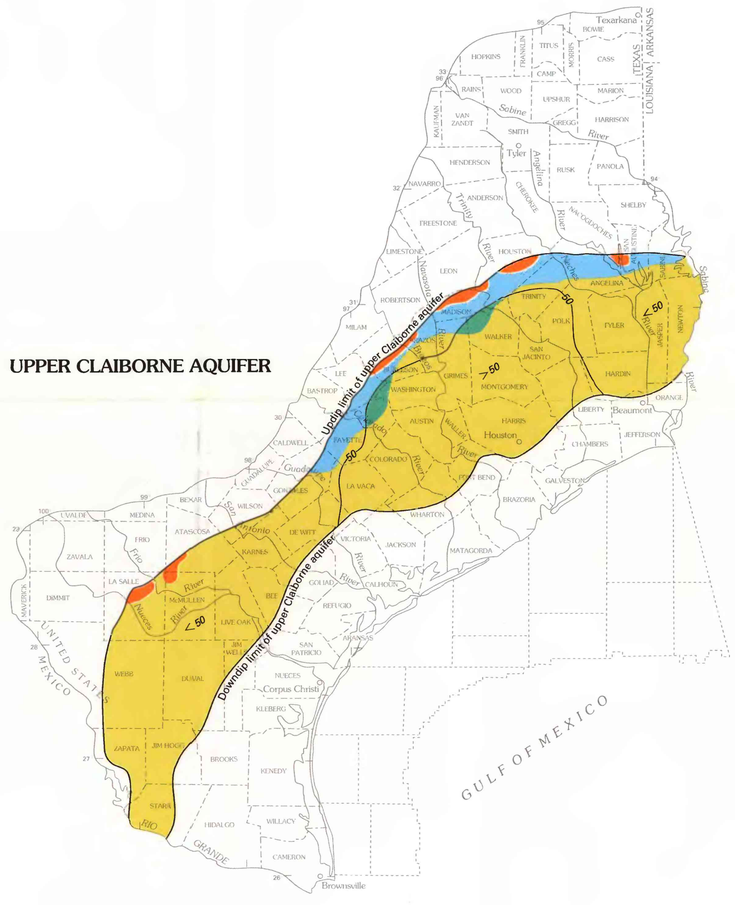
PERMEABLE ZONE D



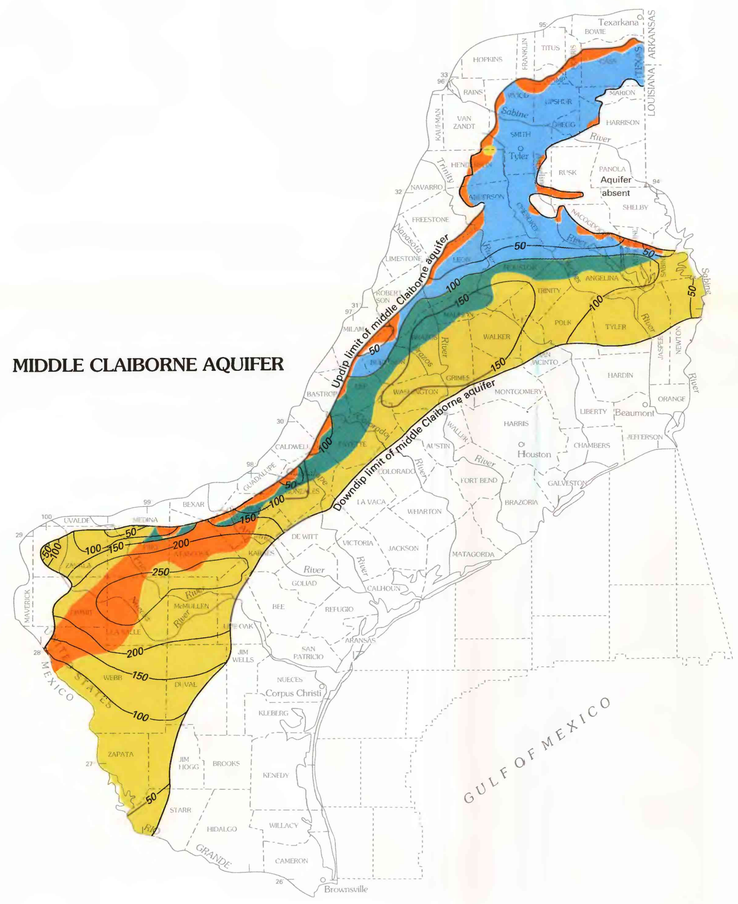
PERMEABLE ZONE E



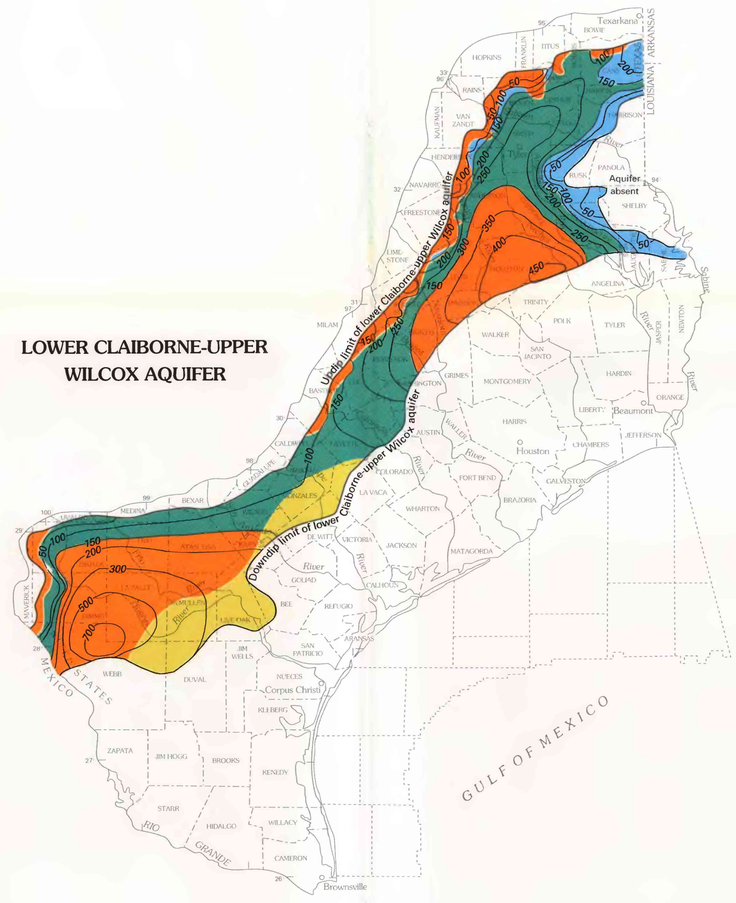
UPPER CLAIBORNE AQUIFER



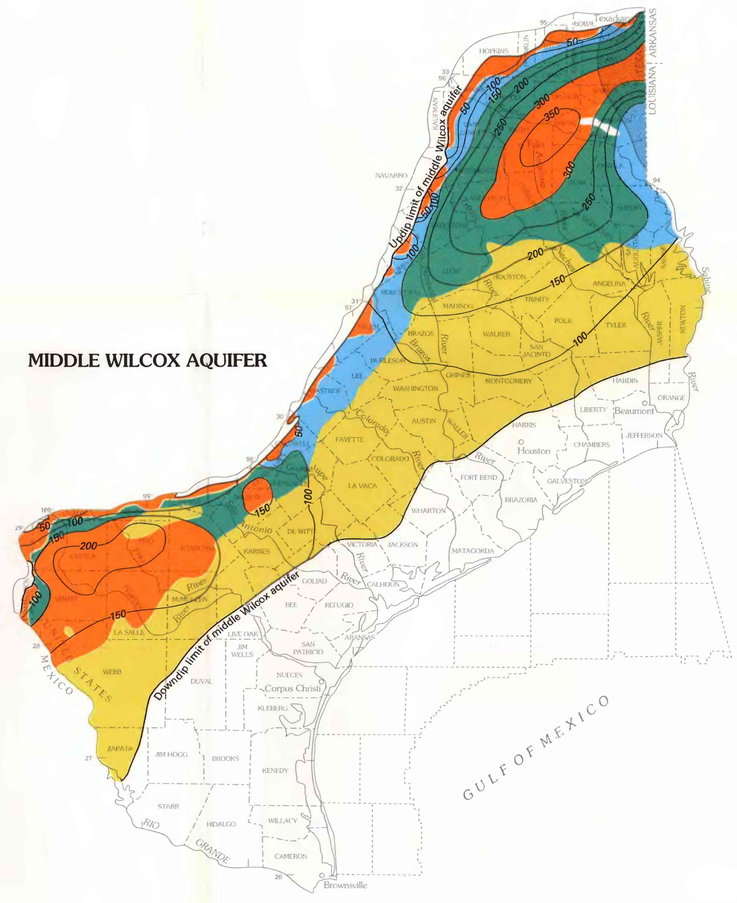
MIDDLE CLAIBORNE AQUIFER



LOWER CLAIBORNE-UPPER WILCOX AQUIFER



MIDDLE WILCOX AQUIFER



0 50 100 150 MILES
0 50 100 150 KILOMETERS

MAPS OF THE TEXAS GULF COAST AQUIFER SYSTEMS SHOWING POTENTIAL AREAS FOR DEVELOPMENT OF LARGE GROUND-WATER SUPPLIES FROM PERMEABLE ZONES A, B, C, D, AND E, AND THE UPPER CLAIBORNE, MIDDLE CLAIBORNE, LOWER CLAIBORNE-UPPER WILCOX, AND MIDDLE WILCOX AQUIFERS