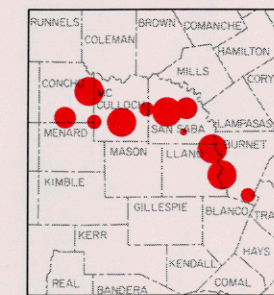


**EXPLANATION**

Radium in pCi/L

- 7 — 8
- 8.1 — 9
- 10 — 20
- 35 — 66

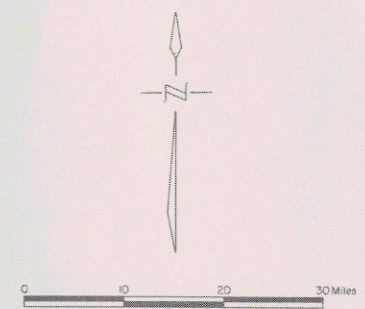
Ground water public-supply systems that exceed the EPA Drinking Water Standard for radium of 5 pCi/L, as of February, 1988. Data Source: Texas Department of Health.



High Radium Content Wells

**EXPLANATION**  
Total Dissolved Solids  
in mg/L and ppm

- < 500
- 500—1000
- 1000—3000
- 3000—10,000
- > 10,000
- Outcrop
- Fault



Data Sources:  
Follett, C. R., 1973; Price, R. D., personal communication 1988, water quality interpreted from oil tests and electrical logs; Texas Water Commission Central Records—Driller's located well files; Texas Natural Resources Information System—Texas water oriented data bank, ground-water quality system, analysis constituent report; and Winslow, A. G., and Kister, I. R., 1956.

Base map and geology modified from:  
Barnes, V. E., 1981; Kier, R. S., Brown, L. F., Jr., and Harwood, P., 1976; and Walker, L. E., 1979.

Figure 21  
Existing Ground-Water Quality in the  
Hickory Sandstone Aquifer  
(Based on Total Dissolved Solids Content  
With Radium Concentration Inset)