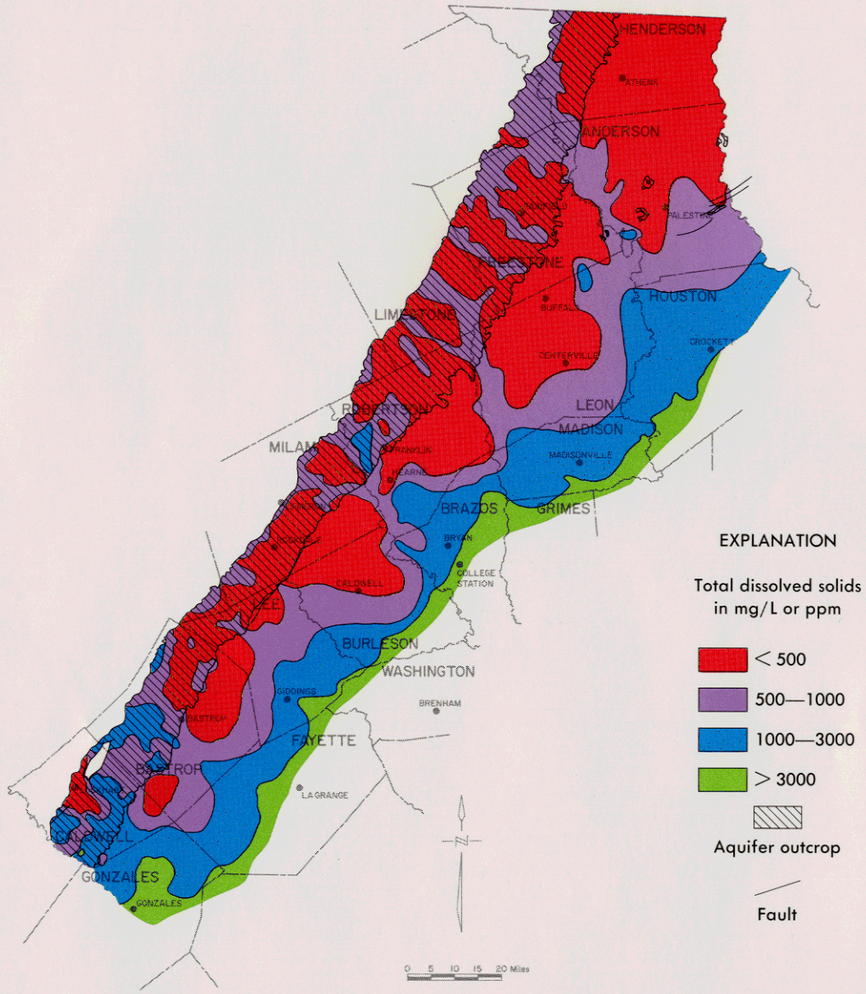
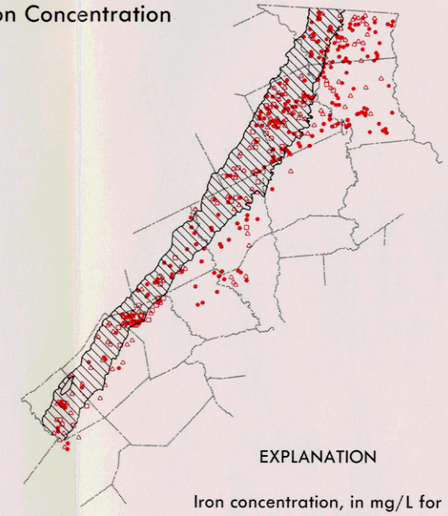


EXPLANATION

Total dissolved solids in mg/L or ppm

- < 500
- 500—1000
- 1000—3000
- > 3000
- Aquifer outcrop
- Fault

Iron Concentration



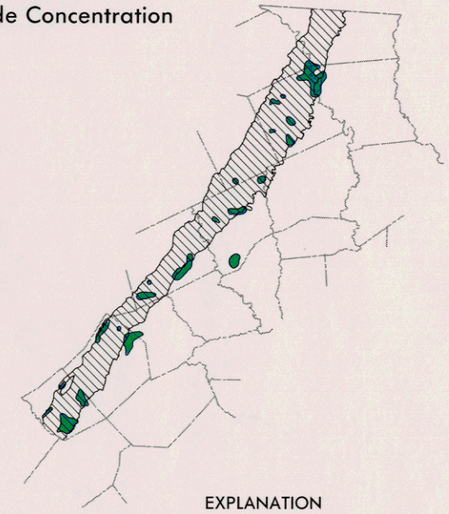
EXPLANATION

Iron concentration, in mg/L for selected wells

- ≤ 0.3
- 0.31—5.0
- > 5.0

Secondary drinking water standard is 0.3 mg/L

Chloride Concentration

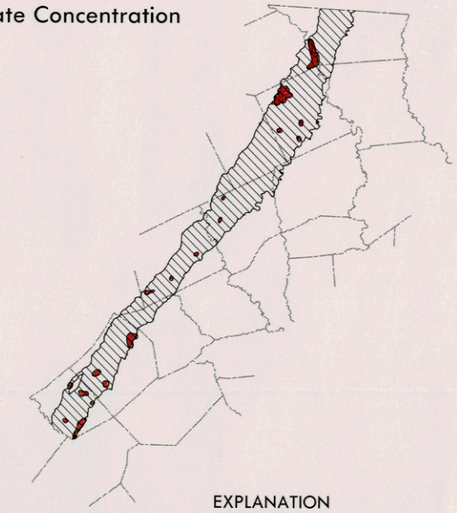


EXPLANATION

Areas that exceed the secondary drinking water standard of 300 mg/L for Chloride, in areas of ≤ 1000 mg/L total dissolved solids

0 10 20 Miles

Sulfate Concentration



EXPLANATION

Areas that exceed the secondary drinking water standard of 300 mg/L for Sulfate, in areas of ≤ 1000 mg/L total dissolved solids

Modified from maps and data contained in a report in progress by:
Kaiser, W. R., Fogg, G. E., and Ambrose, M. L.

Other sources of data:
Follett, C. R., 1974; Klemt, W. B., Duffin, G. L., and Elder, G. R., 1976; Thompson, G. L., 1966; and William F. Guyton and Associates, 1972.

Figure 9C
Existing Ground-Water Quality in the Carrizo-Wilcox Aquifer, Central Area
(Based on Total Dissolved Solids Content of Ground Water From Wells Tapping the Wilcox Group Portion of the Aquifer, With Sulfate, Chloride, and Iron Concentration Insets)