

Figure 12

Distribution of Selected Chemical Constituents and Properties of Waters From Wells, Springs and Katemcy Creek

EXPLANATION

- Qu Quaternary deposits undifferentiated
- Ku Cretaceous rocks undifferentiated
- Oe Ordovician - Ellenburger Group
- Eyu Cambrian rocks younger than Hickory Sandstone Member undifferentiated
- Erh(u) Cambrian - Riley Formation - Hickory Sandstone Member - Upper (Red) Unit
- Erh(m) Cambrian - Riley Formation - Hickory Sandstone Member - Middle Unit
- Erh(l) Cambrian - Riley Formation - Hickory Sandstone Member - Lower Unit
- p Etm PreCambrian - Town Mountain Granite

Known and inferred fault U, upthrown side; D, downthrown side

- Location of well completed in Hickory Aquifer.
- Location of Hickory Aquifer spring.
- Location of well completed in the Mid-Cambrian Aquifer undifferentiated.
- ▲ Location of sample site on Katemcy Creek.

- 603 Last three digits of State well number (location number) for well or spring.
- KCS-6 Location number for sample site on Katemcy Creek.
- 7-21-87 Date sample was collected.
- 2.3 Concentration of nitrate (NO<sub>3</sub>) in milligrams per liter (mg/l).
- 400 Concentration of total dissolved solids in mg/l.
- 500 Specific conductance in micromhos at 25°C.
- 6.9 Gross alpha determination in picocuries per liter.
- 6.7 Radium 226 plus Radium 228 determination in picocuries per liter.
- \* Concentration or determination exceeds allowable standard of Texas Dept. of Health and EPA.
- 418 Last three digits of State well number (location number) for well.
- KCS-8 Location number for sample site on Katemcy Creek.
- 9-24-87 Date sample was collected.
- FC-500 Field conductivity in micromhos at 25°C.
- °F-72 Temperature in degrees Fahrenheit.

Many of the locations on this map have two analysis given. Examples are well 612 and Katemcy Creek sample site KCS-5.

