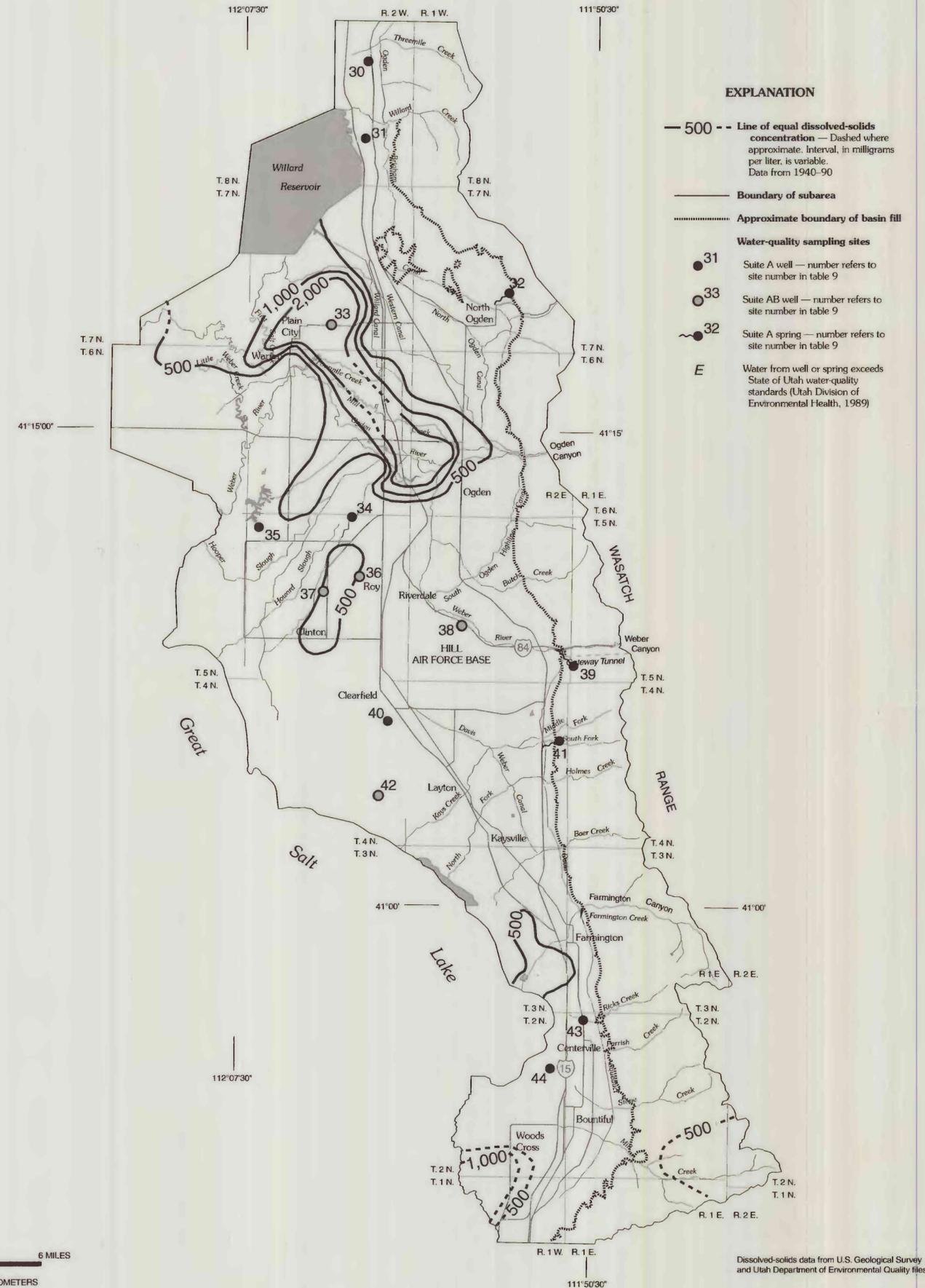


- EXPLANATION**
- Recharge and discharge areas**
    - Primary recharge area
    - Secondary recharge area
    - Discharge area
  - Boundary between primary and secondary recharge area and boundary between secondary recharge and discharge area — Dashed where approximate**
  - Boundary of subarea**
  - Approximate boundary of basin fill**
  - Wells used to map recharge area**
    - 25 Vertical hydraulic gradient is upward from principal aquifer to shallow unconfined aquifer. Number refers to site number in table 9
    - 20 Confining layers not present; completed in the principal aquifer; vertical hydraulic gradient is downward. Number refers to site number in table 9
    - 19 Confining layers present; completed in the principal aquifer; vertical hydraulic gradient is downward. Number refers to site number in table 9
    - 26 Completed in shallow unconfined aquifer; vertical hydraulic gradient is downward. Number refers to site number in table 9



- EXPLANATION**
- 500 - - Line of equal dissolved-solids concentration — Dashed where approximate. Interval, in milligrams per liter, is variable. Data from 1940-90**
  - Boundary of subarea**
  - Approximate boundary of basin fill**
  - Water-quality sampling sites**
    - 31 Suite A well — number refers to site number in table 9
    - 33 Suite AB well — number refers to site number in table 9
    - 32 Suite A spring — number refers to site number in table 9
    - E** Water from well or spring exceeds State of Utah water-quality standards (Utah Division of Environmental Health, 1989)

Recharge and discharge areas

Dissolved-solids concentration and water-quality sampling sites

**MAP SHOWING RECHARGE AND DISCHARGE AREAS, DISSOLVED-SOLIDS CONCENTRATION, AND WATER-QUALITY SAMPLING SITES FOR THE PRINCIPAL AQUIFER, EAST SHORE AREA, UTAH**

By  
P.B. Anderson, D.D. Susong, S.R. Wold, V.M. Heilweil, and R.L. Baskin  
1994

Base from U.S. Geological Survey digital data, 1:100,000, 1978, 1979, 1980  
Universal Transverse Mercator projection,  
Zone 12

Dissolved-solids data from U.S. Geological Survey and Utah Department of Environmental Quality files