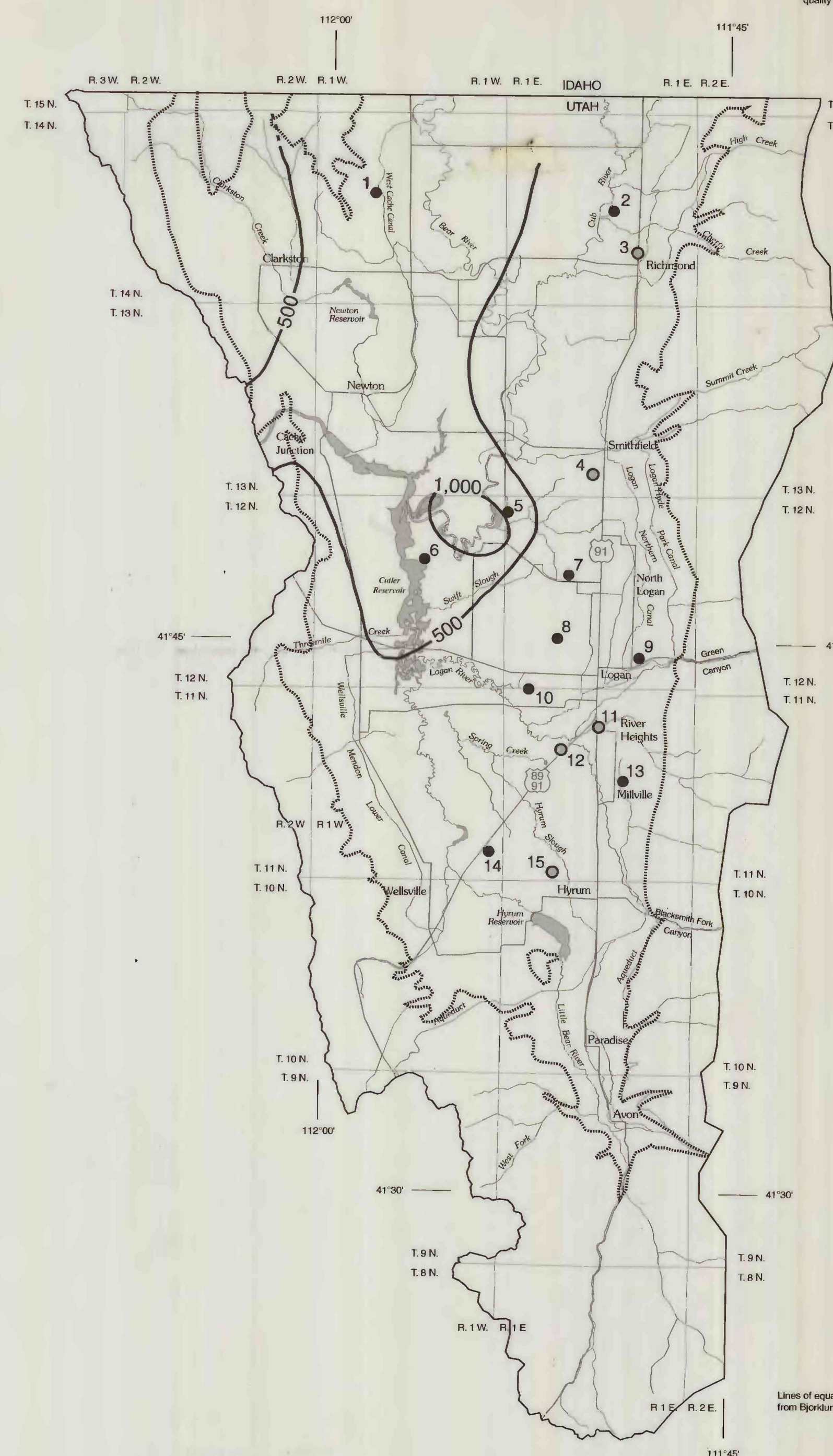


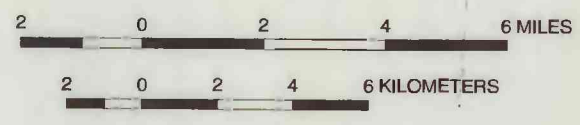
Recharge and discharge areas

- 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**
    - Vertical hydraulic gradient is upward from principal aquifer to shallow unconfined aquifer. Number refers to site number in table 7
    - Confining layers not present; completed in the principal aquifer; vertical hydraulic gradient is downward. Number refers to site number in table 7
    - Confining layers present; completed in the principal aquifer; vertical hydraulic gradient is downward. Number refers to site number in table 7
    - Completed in shallow unconfined aquifer; vertical hydraulic gradient is downward. Number refers to site number in table 7



Dissolved-solids concentration and water-quality sampling sites

- 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**
    - Suite A well — number refers to site number in table 7
    - Suite AB well — number refers to site number in table 7



Lines of equal dissolved-solids concentration modified from Bjorklund and McGreevy (1974, pl. 5)

Base from U.S. Geological Survey digital data, 1:100,000, 1976, 1979, 1984  
Universal Transverse Mercator projection,  
Zone 12

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

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