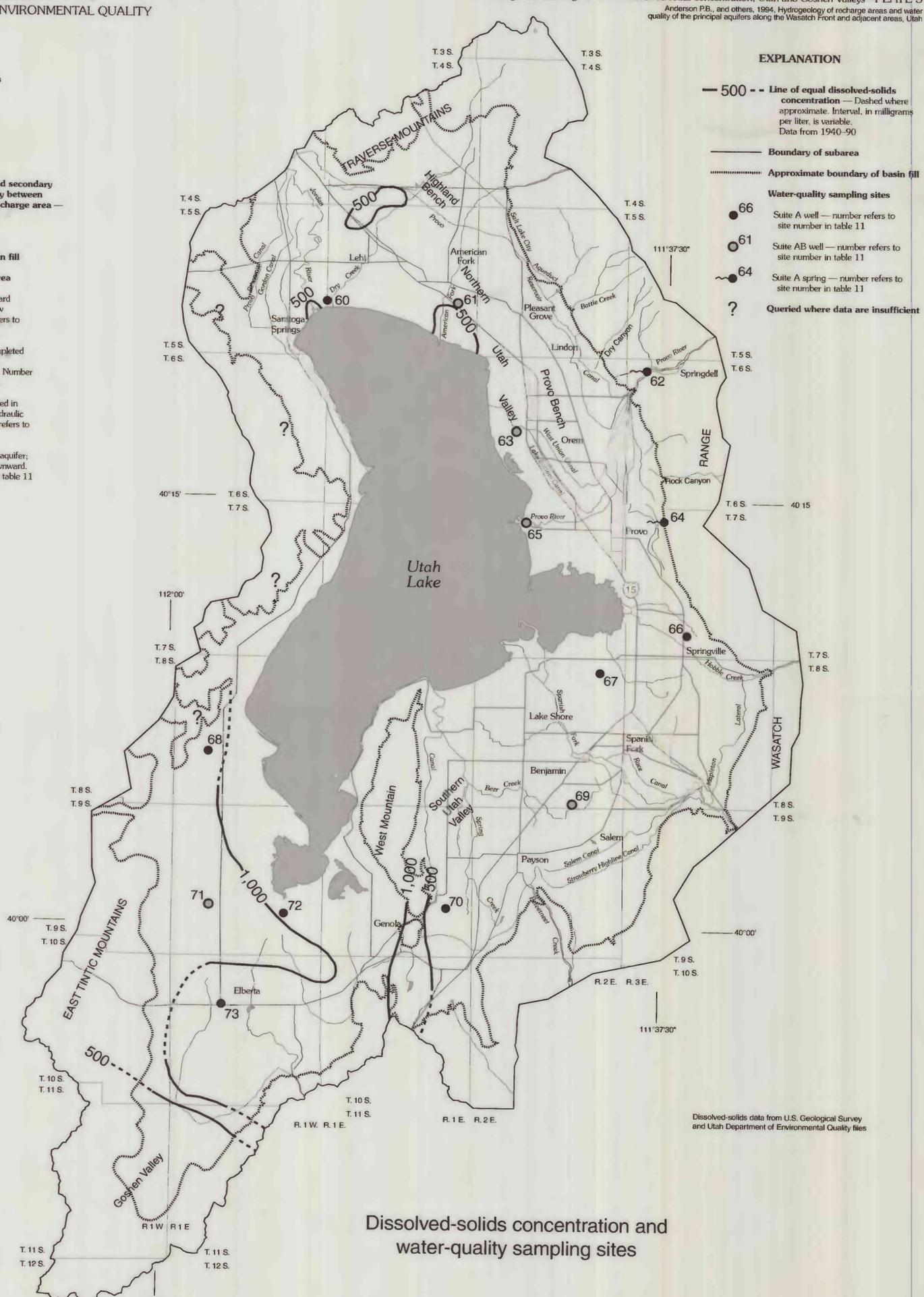


- EXPLANATION**
- Primary recharge area
 - Secondary recharge area
 - Discharge area
 - Boundary between primary and secondary recharge area and boundary between secondary recharge and discharge area — Dashed where approximate
 - Boundary of subarea
 - Approximate boundary of basin fill
 - Wells used to map recharge area
 - 42 Vertical hydraulic gradient is upward from principal aquifer to shallow unconfined aquifer. Number refers to site number in table 11
 - 88 Confining layers not present; completed in the principal aquifer; vertical hydraulic gradient is downward. Number refers to site number in table 11
 - 50 Confining layers present; completed in the principal aquifer; vertical hydraulic gradient is downward. Number refers to site number in table 11
 - 55 Completed in shallow unconfined aquifer; vertical hydraulic gradient is downward. Number refers to site number in table 11



- 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**
 - 66 Suite A well — number refers to site number in table 11
 - 61 Suite AB well — number refers to site number in table 11
 - 64 Suite A spring — number refers to site number in table 11
 - ?
 - Queried where data are insufficient

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, UTAH AND GOSHEN VALLEYS, 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, 1979, 1980, 1981
Universal Transverse Mercator projection, Zone 12

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