



Base from U.S. Geological Survey digital data, 1:250,000-scale, 2000.  
Universal Transverse Mercator projection, Zone 11.  
North American Datum of 1983. Shaded-relief base from 90-meter  
Digital Elevation Model, sun illumination from northwest 45 degrees  
above horizon. Hydrogeology modified from Maurer and others (2004).

## Hydrogeologic Framework and Ground-Water Levels in Basin-Fill Deposits of the Upper Humboldt River Basin, Northeastern Nevada

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### EXPLANATION

- Younger basin-fill deposits—Quaternary and Tertiary.
- Older basin-fill deposits—Tertiary (Pliocene, Miocene, and Eocene).
- Volcanic rocks—Tertiary (Pliocene, Miocene, and Eocene).
- Crystalline rocks—Tertiary, Jurassic, and Cambrian.
- Clastic sedimentary rocks—Devonian to Ordovician.
- Carbonate and clastic sedimentary rocks—Permian to Cambrian.
- Hydrographic-area boundary
- Direction of ground-water flow inferred from water-level contours—Queried in southern Ruby Mountains where inferred by previous investigations (Rush and Everett, 1966; Dudley, 1976).
- 5,200 -- Water-level contour - Shows altitude of shallow ground-water surface in basin-fill deposits—Dashed where uncertain. Contour interval, in feet, is variable. Datum is mean sea level.
- A—A' Aquifer cross section discussed in text
- Well - Measured in 2007 by the U.S. Geological Survey, Nevada Division of Water Resources, or Newmont Gold Company—Provide control for water-level contours.
- 1 Oil exploration well - Number refers to table 4

