

Figure 2
WATER-LEVEL
CHANGE MAP
(Click to view)

EXPLANATION

- Perched water—Approximate area
- Fault—Dashed where approximately located, dotted where concealed
- Boundaries—
 - Mojave River drainage basin
 - Mojave River ground-water basin (approximate) Subarea
 - Morongo ground-water basin (approximate) Subbasin boundary
 - Warren ground-water basin
 - Mojave Water Agency management area—Subarea
- Water-table contour—Shows altitude of water table. Contour interval, in feet, is variable; dashed where approximately located, queried where uncertain. Hatchures indicate depression. Datum is sea level
- Generalized direction of ground-water flow
- Well in which water level was measured—
 - Top number is abbreviated State well number. Bottom number is altitude of water level, in feet above sea level.
 - (D) indicates dry well. (P) indicates pumped well.
 - Dashes (—) indicate no measurement. Asterisk (*) indicates perched water
- Well with historical data shown first in sequence on a multiple-well hydrograph
- Multiple-well site—Top number is abbreviated state well number. Bottom number is altitude of water level, in feet above sea level.
- Flowing well
- Spring
- Extinct spring
- Artificial-recharge site and name
- Hydrograph—Shows period of record for well. Dashed where no data; dots indicate actual data values. Blue stroke indicates wells in floodplain aquifer; green stroke indicates wells in regional aquifer

State well number
Altitude of land surface, in feet above sea level
Shaded hydrographs are long-term data (1950–2000)
Non-shaded hydrographs are short-term data (1950–2000)

0 2 4 6 8 10 MILES
0 2 4 6 8 10 KILOMETERS

LOCATION OF STUDY AREA

EXPLANATION

- MOJAVE RIVER GROUND-WATER BASIN
- MORONGO GROUND-WATER BASIN
- MOJAVE DESERT

Figure 1. Location of the Mojave River and the Morongo ground-water basins in the southwestern Mojave Desert, California.

Figure 3
(Click to view enlargement)

Figure 4
(Click to view enlargement)

Base from U.S. Geological Survey digital elevation data, 1:250,000, 1987, and digital data, 1:100,000, 1981–86. Universal Transverse Mercator Projection, Zone 11. Shaded relief base from 1:250,000-scale Digital Elevation Model, simulated sun illumination from northwest at 30 degrees above horizon.

Faults modified from Schaefer, 1976; Barninger, 1986; Lundquist and Martin, 1991; and J.C. Mari and G.I. Dixon, U.S. Geological Survey, written commun., 1994.

REGIONAL WATER-TABLE (2000) AND GROUND-WATER-LEVEL CHANGES IN THE MOJAVE RIVER AND THE MORONGO GROUND-WATER BASINS, SOUTHWESTERN MOJAVE DESERT, CALIFORNIA

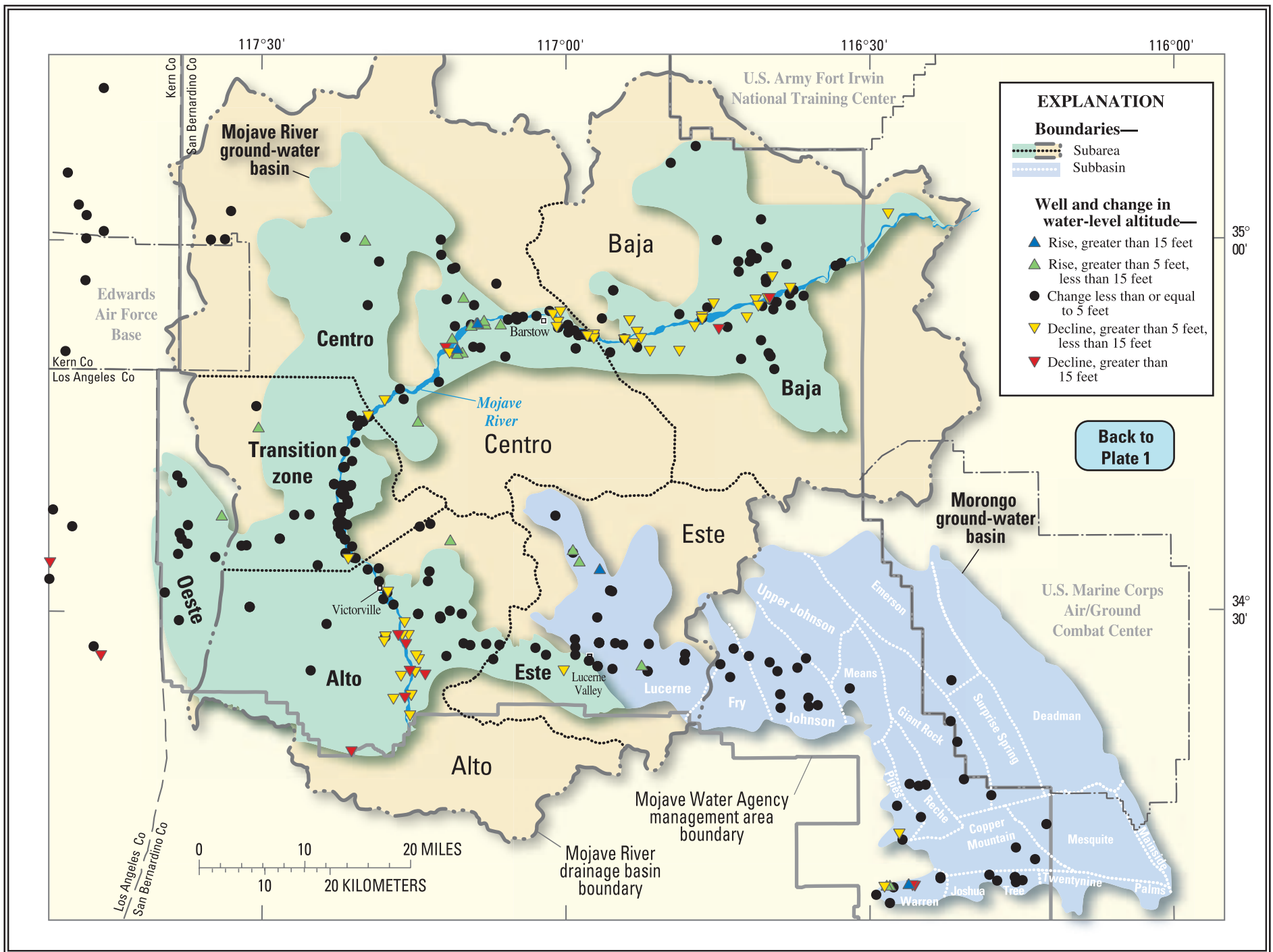
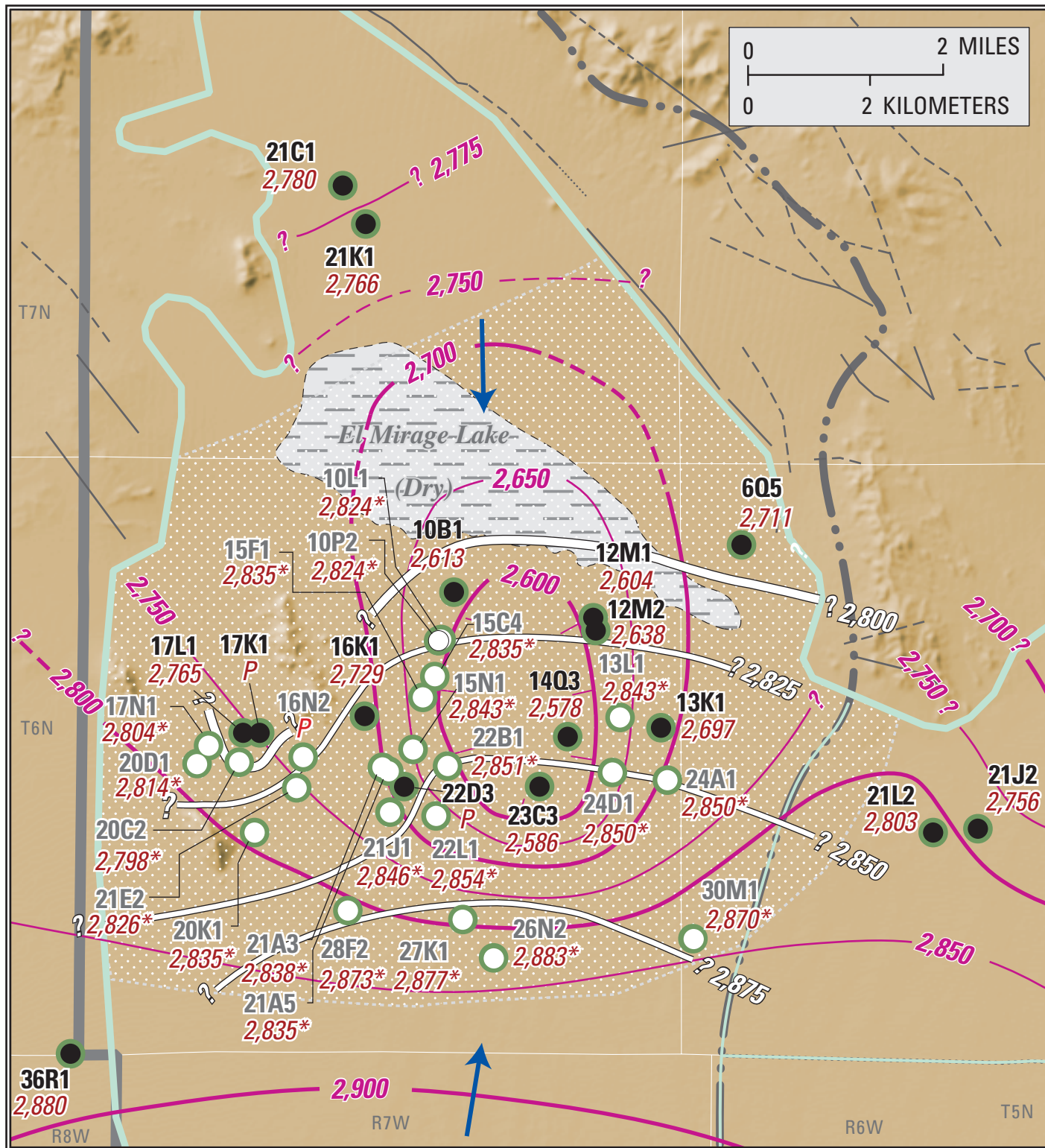


Figure 2. Short-term (1998-2000) water-level changes in the Mojave River and the Morongo ground-water basins, southwestern Mojave Desert, southern California.

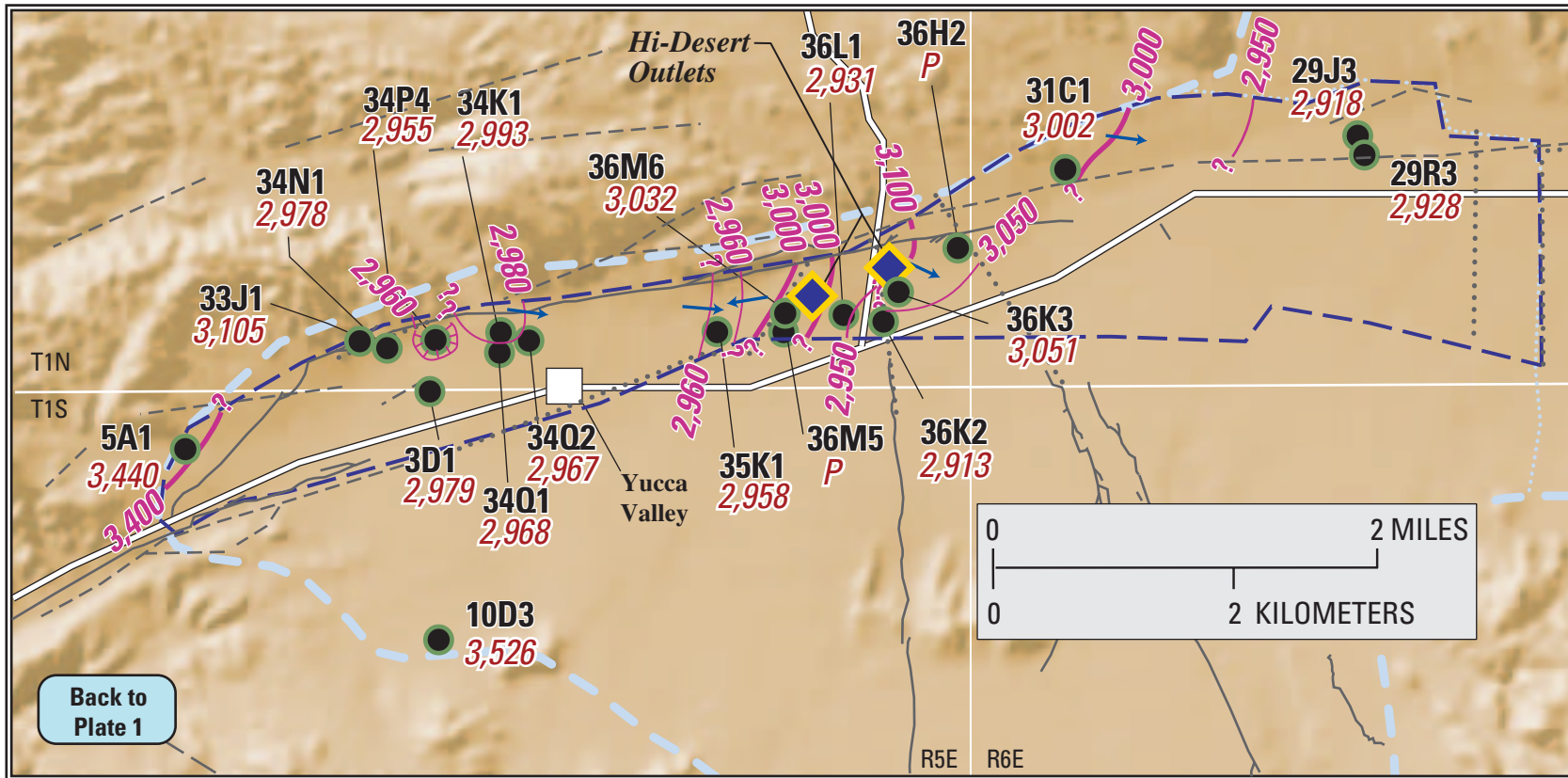


EXPLANATION

- Perched water—Approximate area
- Fault—Dashed where approximately located, dotted where concealed
- Boundaries—**
 - Morongo ground-water basin (approximate)—Subarea
 - Mojave River drainage basin
 - Mojave Water Agency management area
- Water-table contour—**Shows altitude of water table. Contour interval, in feet, is variable; dashed where approximately located, queried where uncertain. Datum is sea level.
 - Regional: 2,800--? (Intermediate contour)
 - Perched: 2,800 (Intermediate contour)
- Well in which water level was measured—**
 - Regional: 21K1 2,766
 - Perched: 30M1 2,870*
- Generalized direction of ground-water flow

[Back to Plate 1](#)

Figure 3. Enlarged view of regional and perched water tables in the El Mirage Lake (Dry) area, of the Mojave River ground-water basin, southwestern Mojave Desert, California.



EXPLANATION











-  **Fault**—Dashed where approximately located; dotted where concealed
-  **Boundaries**—
Morongo ground-water basin (approximate)—
Subbasin boundary
-  **Warren ground-water basin boundary**
-  **3,000**  **2,950**  **?** **Water-table contour**—Shows altitude of water table. Contour interval, in feet, is variable; dashed where approximately located, queried where uncertain. Datum is sea level
-  **Generalized direction of ground-water flow**
-  **3D1**  **2,979** **Well in which water level was measured**—
Top number is abbreviated State well number. Bottom number is altitude of water level, in feet above sea level. **(P)** indicates pumped well
-  **Hi-Desert Outlets** **Artificial-recharge site and name**

Figure 4. Enlarged view of regional water-table in the Warren Subbasin, Morongo ground-water basin, southern California.