U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

In cooperation with the
MOJAVE WATER AGENCY

SCIENTIFIC INVESTIGATIONS REPORT 2004-5187
Regional water table (2004) and water-level changes—Plate 1

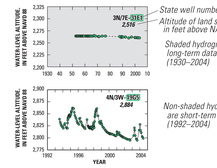
Stamos, C.L., Huff, J.A., Predmore, S.K., and Clark, D.A., 2004, Regional water table (2004) and water-level changes in the Mojave River and Morongo ground-water basins, southwestern Mojave Desert, California

REGIONAL WATER TABLE (2004) AND WATER-LEVEL CHANGES IN THE MOJAVE RIVER AND MORONGO GROUND-WATER BASINS, SOUTHWESTERN MOJAVE DESERT, CALIFORNIA

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. Hachures indicate depression. Datum is North American Vertical Datum of 1988 (NAVD 88)
- **Generalized direction of ground-water flow**
- **Well**— Top number is abbreviated State well number. Bottom number is altitude of water level, in feet above NAVD 88 (Spring 2004). Dash (—) indicates no measurement.
- **Well with perched water level**— Top number is abbreviated State well number. Bottom number is altitude of water level, in feet above NAVD 88 (Spring 2004). Asterisk (*) indicates perched water
- **Well with historical data shown 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 NAVD 88 (Spring 2004)
- **Spring**
- **Extinct spring**
- **Artificial-recharge site and name**
- **Hydrograph**—Shows period of record for well. Dashed where data collection interval exceeds two years; dots indicate actual data values



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

Location of Study Area

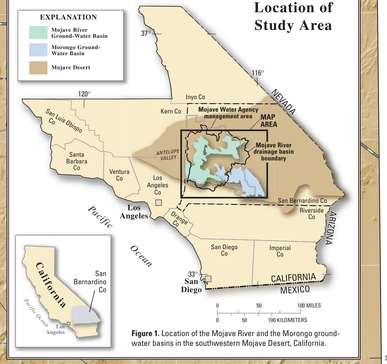


Figure 1. Location of the Mojave River and the Morongo ground-water basins in the southwestern Mojave Desert, California.

Base from U.S. Geological Survey digital elevation data, 1:250,000, 1987, and digital data, 1:100,000, 1981–89; 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, 1979; Bortugno, 1986; Lendquist and Martin,1981; Cox and Wilshire, 1993; and J.C. Matti and G.I. Dixon, U.S. Geological Survey, written commun., 1994

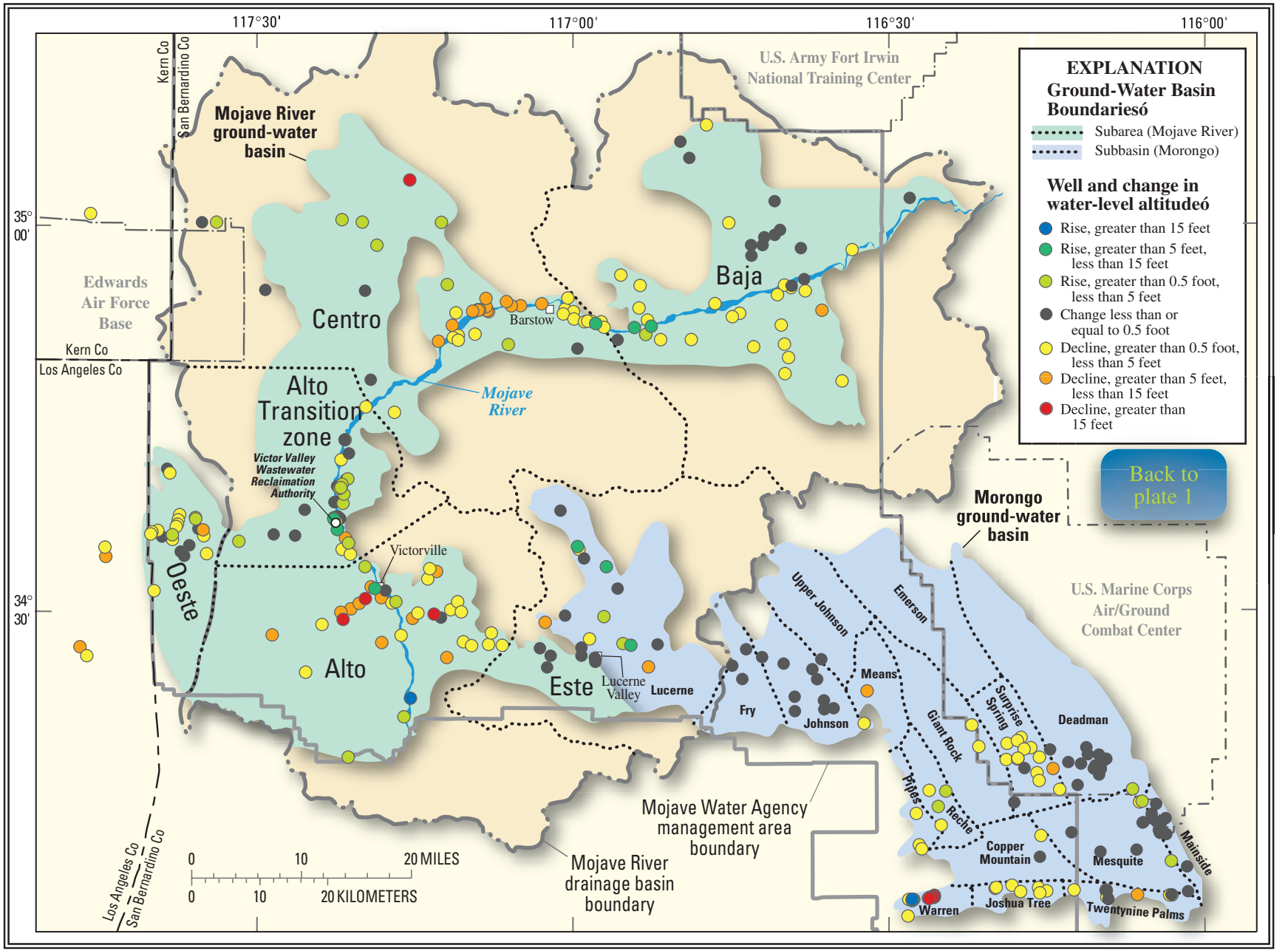


Figure 2. Water-level changes between spring 2002 and spring 2004 in the Mojave River and Morongo ground-water basins in the southwestern Mojave Desert, Californis.