U.S. Department of the Interior
U.S. Geological Survey

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

Prepared in cooperation with the **Mojave Water Agency**

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Water-Resources Investigations Report 02-4277

Regional Water Table (2000) and Ground-Water - Level Changes in the Mojave River and the Morongo Ground-Water Basins, Southwestern Mojave Desert, California

By Gregory A. Smith

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U.S. DEPARTMENT OF THE INTERIOR

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CONVERSION FACTORS

Multiply	By	To obtain
foot (ft)	0.3048	meter
inch (in.)	25.4	millimeter
inch per year (in/yr)	25.4	millimeter per year
mile (mi)	1.609	kilometer
square mile (mi^2)	259.0	hectare
square mile (mi^2)	2.590	square kilometer

Temperature in degrees Fahrenheit (°F) may be converted to degrees Celsius (°C) as follows:

$$°C = (°F - 32) / 1.8$$

Vertical Datum

Sea level: In this report, "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

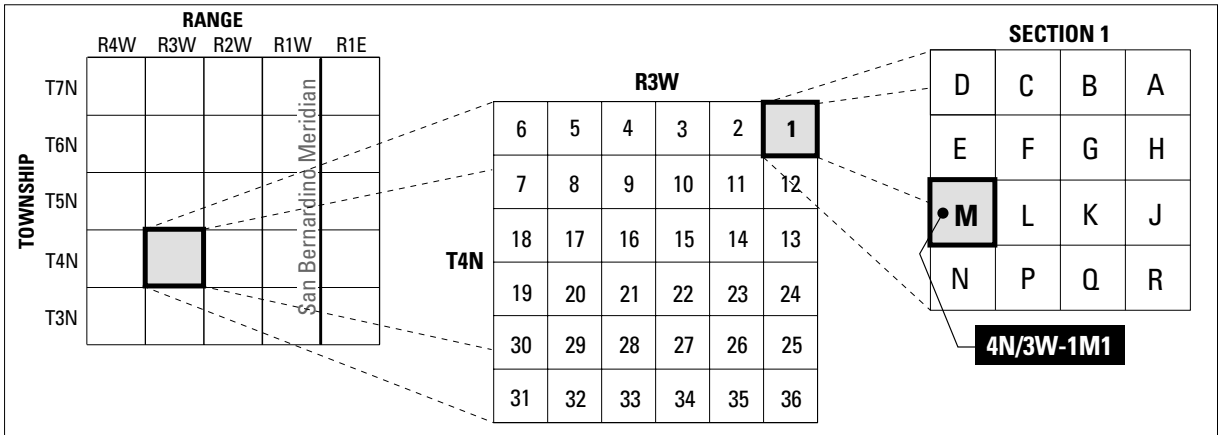
Altitude, as used in this report, refers to distance above or below sea level.

Abbreviations

USGS U.S. Geological Survey

WELL-NUMBERING SYSTEM

Wells are identified and numbered according to their location in the rectangular system for the subdivision of public lands. Identification consists of the township number, north or south; the range number, east or west; and the section number. Each section is divided into sixteen 40-acre tracts lettered consecutively (except I and O), beginning with "A" in the northeast corner of the section and progressing in a sinusoidal manner to "R" in the southeast corner. Within the 40-acre tract, wells are sequentially numbered in the order they are inventoried. The final letter refers to the base line and meridian. In California, there are three base lines and meridians; Humboldt (H), Mount Diablo (M), and San Bernardino (S). All wells in the study area are referenced to the San Bernardino base line and meridian (S) Well numbers consist of up to 15 characters and follow the format 004N003W1M001S. In this report, well numbers are abbreviated and written 4N/3W-1M1. Wells in the same township and range are referred to only by their section designation, 1M1. The following diagram shows how the number for well 4N/3W-1M1 is derived.



Well-numbering diagram (Note: maps in this report use abbreviated well numbers such as **"1M1"**)

Regional Water Table (2000) and Ground-Water-Level Changes in the Mojave River and the Morongo Ground-Water Basins, Southwestern Mojave Desert, California

By Gregory A. Smith

ABSTRACT

The Mojave River and Morongo ground-water basins are in the southwestern part of the Mojave Desert in southern California. Ground water from these basins supplies a major part of the water requirements for the region. The continuous population growth in this area has resulted in ever-increasing demands on local ground-water resources. The collection and interpretation of ground-water data helps local water districts, military bases, and private citizens gain a better understanding of the ground-water systems, and consequently, water availability.

During 2000, the U. S. Geological Survey and other agencies made approximately 2,500 water-level measurements in the Mojave River and the Morongo ground-water basins. These data document recent conditions and, when compared with previous data, changes in ground-water levels. A water-level contour map was drawn using data from about 500 wells, providing coverage for most of the basins. Twenty-nine hydrographs show long-term (up to 70 years) water-level conditions throughout the basins, and 13 short-term (1996 to 2000) hydrographs show the effects of recharge and discharge along the Mojave River. In addition, a water-level-change map was compiled to compare 1998 and 2000 water-levels throughout the basins.

In the Mojave River ground-water basins, water-level data showed little change from 1998 to 2000, with the exception of areas along the Mojave River. Water levels along the Mojave River were typically in decline or unchanged, with exceptions near the Hodge and the Lenwood outlet, where water levels rose in response to artificial recharge. The Morongo ground-water basin had virtually no change in water levels from 1998 to 2000, with the exception of Yucca Valley, where artificial recharge and ground-water withdrawal continues.

INTRODUCTION

The Mojave River and the Morongo ground-water basins are in the southwestern part of the Mojave Desert in southern California, approximately 80 and 40 mi northeast, respectively, of Los Angeles (fig. 1). Surface water in these basins is minimal and is normally limited to ephemeral flow during winter and spring storms. There is however, continuous flow from springs in some areas of the Morongo ground-water basin, and in parts of the Mojave River ground-water basin where the water table intersects the river channel. The lack of significant surface-water resources has resulted in the use of ground water as the primary source for private, agricultural, and municipal supply. Owing to increasing urbanization, demands on local water supplies have created overdraft conditions in some areas of the desert basins. Periodic monitoring of ground-water levels aids in the management of the Mojave River and the Morongo ground-water basins.

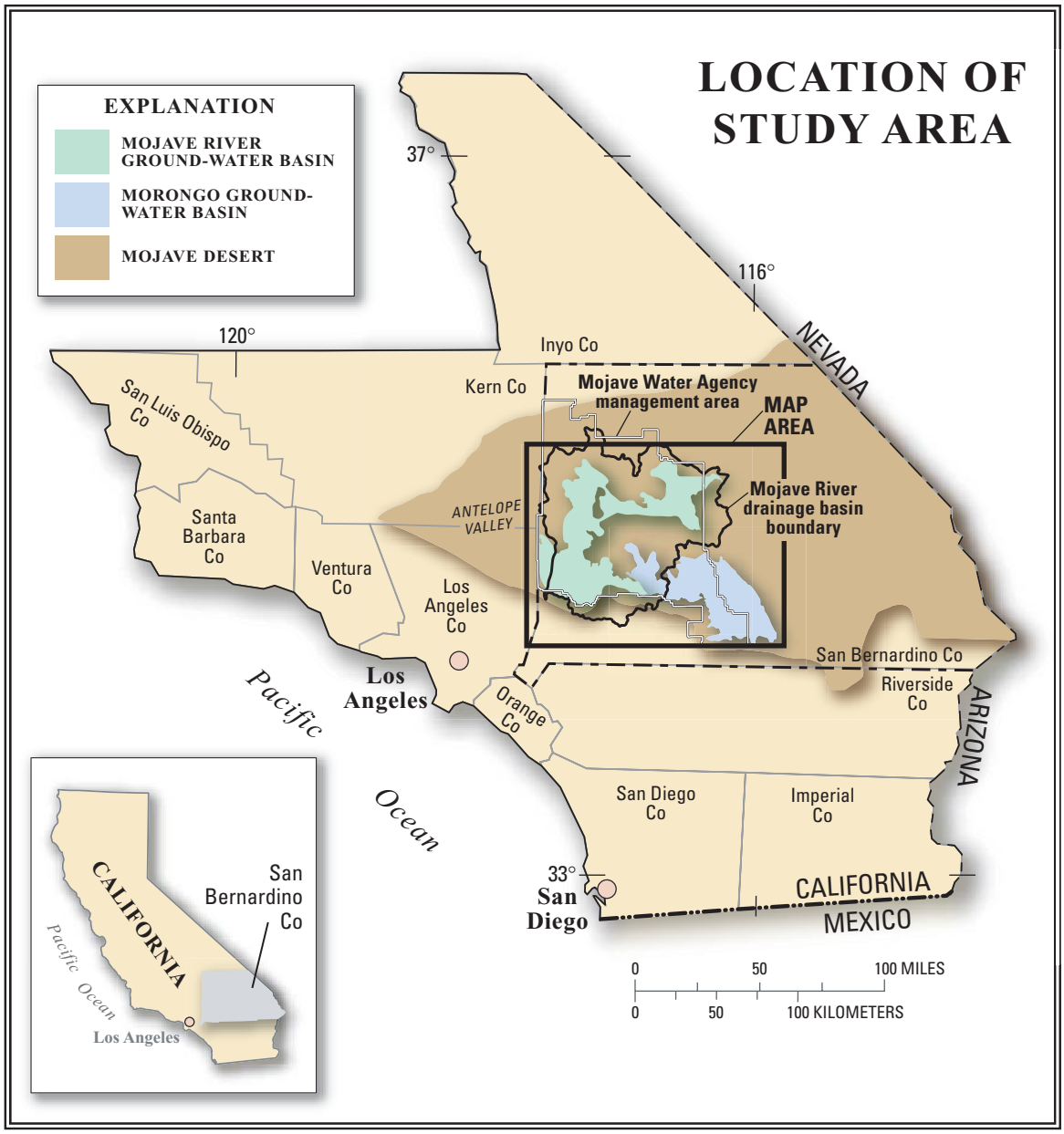


Figure 1. Location of the Mojave River and the Morongo ground-water basins, southwestern Mojave Desert, California.

In a continuing effort to monitor ground-water conditions in the Mojave River and the Morongo ground-water basins, the U.S. Geological Survey (USGS), in cooperation with the Mojave Water Agency, constructed a water-table map describing present (2000) ground-water conditions. Water-level data were collected from approximately 500 wells to construct the map, which shows the altitude of the water table and general direction of ground-water movement. Historical water-level data were used to create 29 hydrographs and to show long-term water-level changes, for as much as 70 years, in selected wells (pl. 1). An additional 13 short-term hydrographs (1996–2000) for wells along the Mojave River were constructed to show the water-level changes during seasonal recharge and discharge (pl. 1). Short-term water-level changes were determined by comparing 1998 and 2000 water levels. These data were used to create a water-level-change map (fig. 2). This report is a continuation of a series of previously published USGS reports and maps by Stamos and Predmore (1995), Trayler and Koczot (1995), Mendez and Christensen (1997), and Smith and Pimentel (2000).

Acknowledgments

The author thanks the local water agencies that assisted in the collection of water-level data and provided access to their wells: the city of Adelanto, the Apple Valley Ranchos Water Company in Apple Valley, the Baldy Mesa and Hesperia Water Districts in Hesperia, the Mojave Water Agency, the County of San Bernardino, the Hi-Desert Water District in Yucca Valley, the Joshua Basin Water District in Joshua Tree, the Mojave Water Agency, and the Victor Valley Water District in Victorville. Great appreciation and thanks are also given to the many private citizens who provided access to their wells. Additional thanks go to Allen Christensen, Larry Schneider, and Christina Stamos-Pfeiffer and to all of the other USGS personnel that contributed to this project.

Description of Study Area

The Mojave River and the Morongo ground-water basins together encompass about 2,400 mi^2. The climate of these basins is typical of the Mojave Desert region of southern California. Annual temperatures average 64°F and range from 3°F in the winter to above 116°F in the summer (Densmore and Londquist, 1997). Most areas of the basin floor receive 4 to 6 in./yr of precipitation, although annual precipitation can be greater than 40 in. in the southern and eastern San Bernardino and the San Gabriel Mountains (Lines, 1996). Recharge to the ground-water system from direct infiltration of precipitation is minimal.

The Mojave River ground-water basin is approximately 1,400 mi^2 and extends from the San Bernardino and the San Gabriel Mountains in the south to near the Gravel Hills and the Fort Irwin National Training Center in the north (pl. 1, fig. 1). The ground-water basin is bordered on the west by Antelope Valley and shares its southeastern boundary with the Morongo ground-water basin. For water-management purposes, the Mojave River ground-water basin has been divided into five subareas; Alto (including a transition zone), Baja, Centro, Este, and Oeste (fig. 2).

The primary source of ground-water recharge in the Mojave River ground-water basin is intermittent streamflow in the Mojave River. Since July 1994, the basin has received additional recharge due to the release of imported water to the Mojave River at the Rock Springs Outlet (near well 4N/3W-31L9) southeast of Hesperia (Mojave Water Agency, 1996). Since 1998, recharge water also has been released at the Lenwood Outlet (near well 9N/3W-1R7) and at the Hodge Outlet (near well 9N/3W-22J4)(pl. 1).

The Morongo ground-water basin is about 1,000 mi^2 and is surrounded by the Ord and Granite Mountains to the north, the Bullion Mountains to the east, the San Bernardino Mountains to the southwest, and (not shown on pl. 1) the Pinto and Little San Bernardino Mountains to the south. The Morongo ground-water basin is separated into 17 subbasins; Copper Mountain, Deadman, Emerson, Fry, Giant Rock, Johnson, Joshua Tree, Lucerne, Mainside, Means, Mesquite, Pipes, Reche, Suprise Spring, Twentynine Palms, Upper Johnson, and Warren (fig. 2).

The Morongo ground-water basin is recharged by infiltration from flow in ephemeral stream channels and from artificial-recharge ponds. In 1995, the Mojave Water Agency installed the High Desert recharge ponds at Yucca Valley (near well 1N/5E-36M6) in the Warren subbasin (pl. 1).

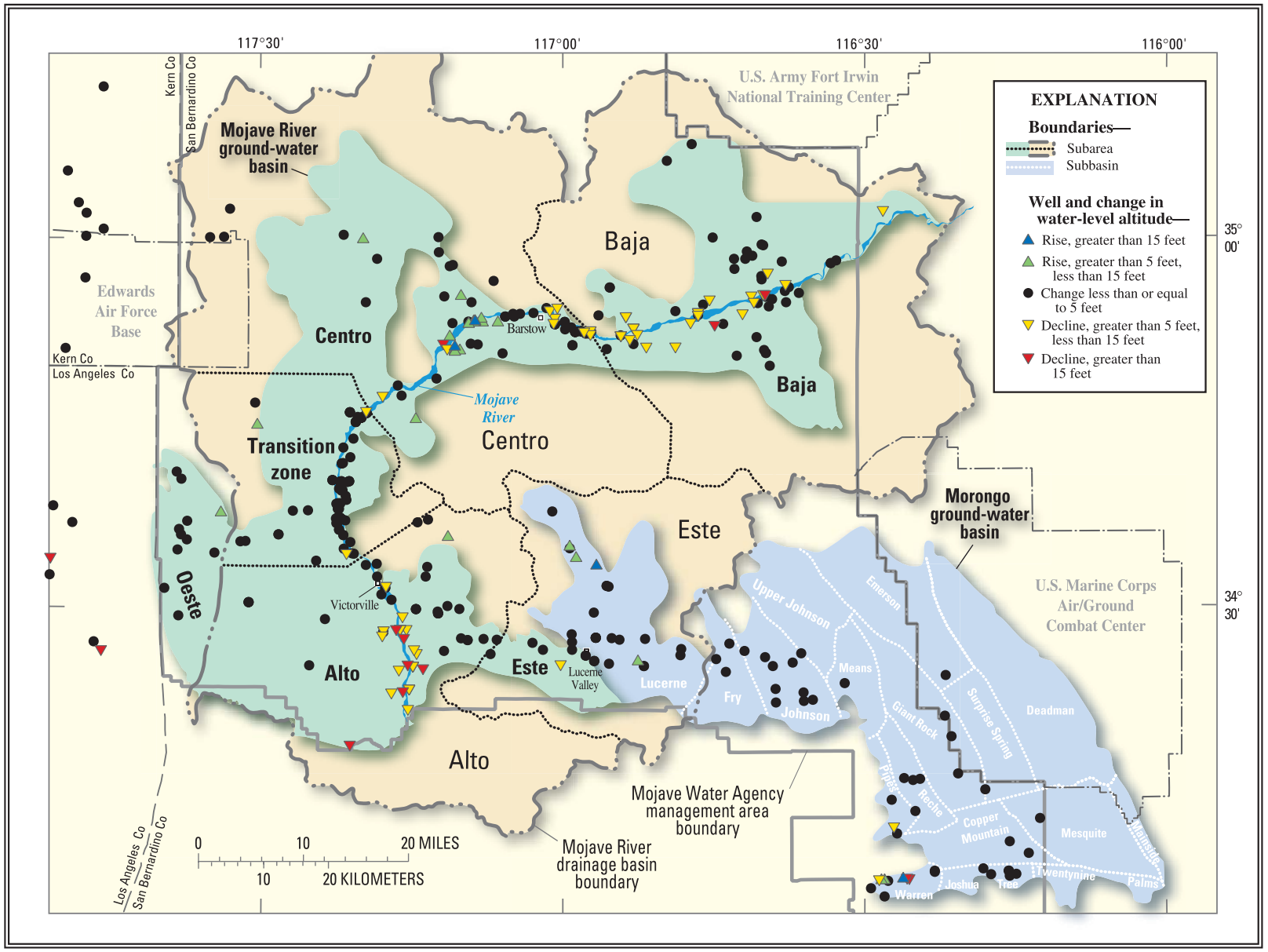


Figure 2. Short-term (1998–2000) water-level changes in the Mojave River and the Morongo ground-water basins, southwestern Mojave Desert, California.

GEOHYDROLOGY

The boundaries of the Mojave River and the Morongo ground-water basins are generally defined by the contact between water-bearing unconsolidated deposits and surrounding and underlying non-water-bearing consolidated igneous and metamorphic rocks. For a more comprehensive description of the geohydrology of the ground-water basins refer to Stamos and others (2001), Smith and Pimentel (2000), and Mendez and Christensen (1997).

Perched ground water has been identified in four areas of the Mojave River and the Morongo ground-water basins. Perched ground water is unconfined ground water separated from an underlying body of ground water by an unsaturated zone (Lohman, 1972). The approximate areas of perched ground water are near El Mirage Lake (dry), Adelanto (Montgomery Watson, 1998), Lucerne Valley (Jill Densmore, U.S. Geological Survey, written commun., 1999) and Mesquite Lake (dry) (Mendez and Christensen, 1997) (pl. 1 and fig. 3). Scant data were available for the Adelanto area; hence, the extent of the perched ground water is not clearly known and is based on the Montgomery Watson (1998) report.

GROUND-WATER LEVELS AND FLOW

Water-level data were collected in the spring of 2000 from 498 wells (table 1) in the Mojave River and the Morongo ground-water basins to determine the altitude of the water table and the direction of ground-water flow (pl. 1). The water table is the surface of a ground-water body at which the pressure is atmospheric. The water table is defined by the levels at which water stands in wells that just penetrate the water body (Lohman, 1972). The water-level measurements used for plate 1 are from wells with various perforated intervals in the saturated zone (water body). Although these wells may perforate different zones, the measured water levels accurately represent the water-table altitude and can be used with sufficient confidence to indicate the general direction of ground-water flow; ground water flows from areas of higher to areas of lower hydraulic head, (downgradient) and perpendicular to the water-level contours (pl. 1). Where 2000 water-level data were not available, contours were based largely on 1998 water-level conditions reported by Smith and Pimentel (2000).

As part of ground-water observation network, the USGS, in cooperation with local water agencies, water districts, the military, and private landowners, has constructed many multiple-well monitoring sites (table 1). These sites consist of a cluster of two or more observation wells completed at different depths within a single borehole, each typically screened across a 20-foot interval. Data from the shallowest well of a multiple-well site were used for the regional water-table map. In areas of a perched water table, both the perched and regional water levels are shown on the water-level map (pl. 1and fig. 3).

The 2000 water levels were measured using a steel tape or a calibrated electric tape; when neither of these methods was possible, an airline was used. Water-level data collected by other agencies were validated and deemed to adhere to USGS guidelines (noted as "reported" in table 1). The water-level altitude was determined by subtracting the water-level measurement (depth to water, in feet below land surface) from the established land-surface altitude above sea level.

WATER-LEVEL CHANGES

In most areas of the Mojave River and Morongo ground-water basins, water levels remained relatively unchanged from 1998 to 2000 (fig. 2); however, there were some significant changes along the Mojave River in the Alto and Baja subareas and in the Centro subarea near Hodge and Lenwood. In the Morongo ground-water basin, water levels rose significantly in the Lucerne and Warren subbasin. To illustrate water-level changes for periods greater than 2 years, 42 hydrographs were created for the basins (pl. 1).

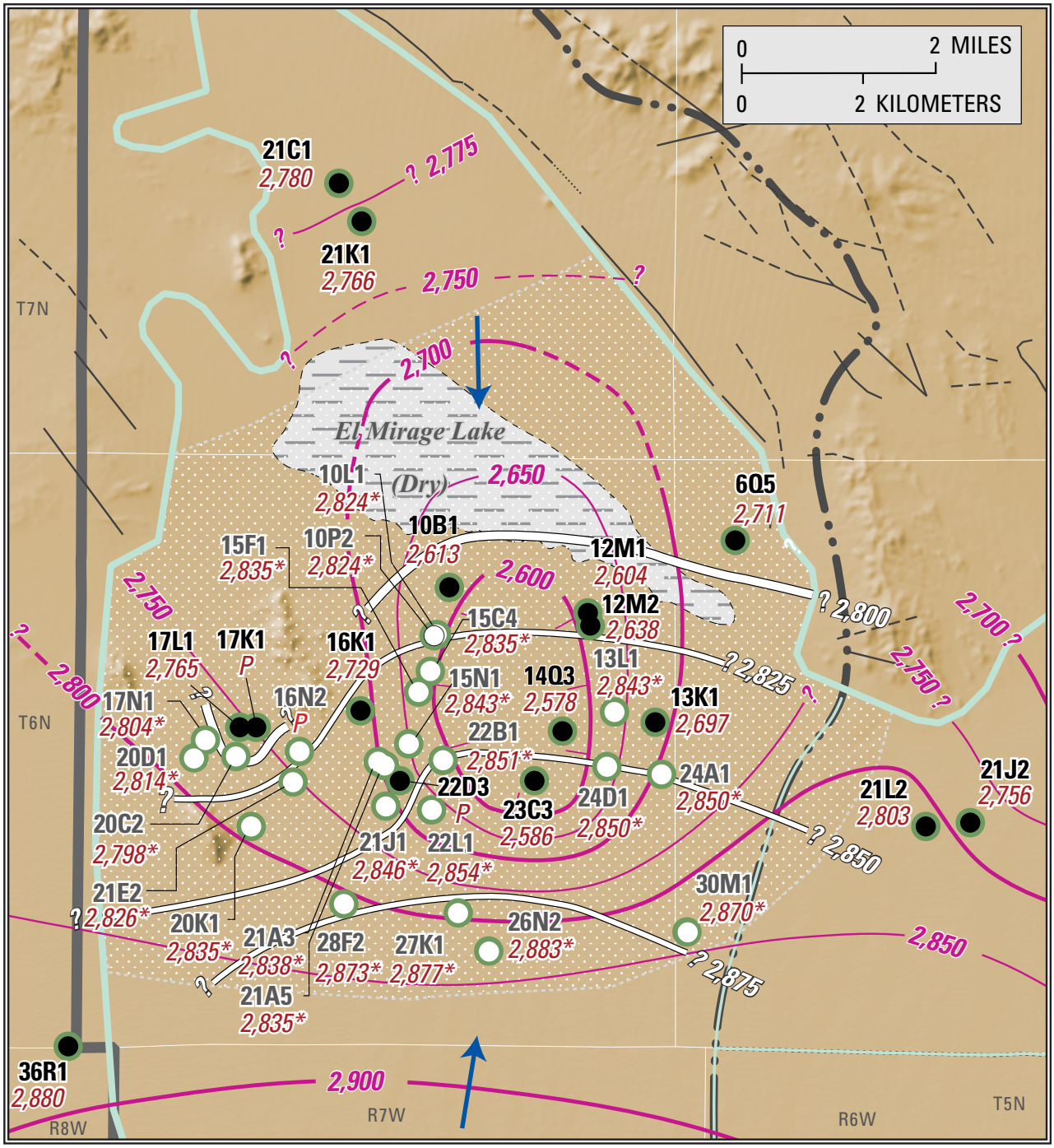


Figure 3. Enlarged view of regional and perched water tables in the El Mirage Lake area, of the Mojave River ground-water basin in the southwestern Mojave Desert, California.

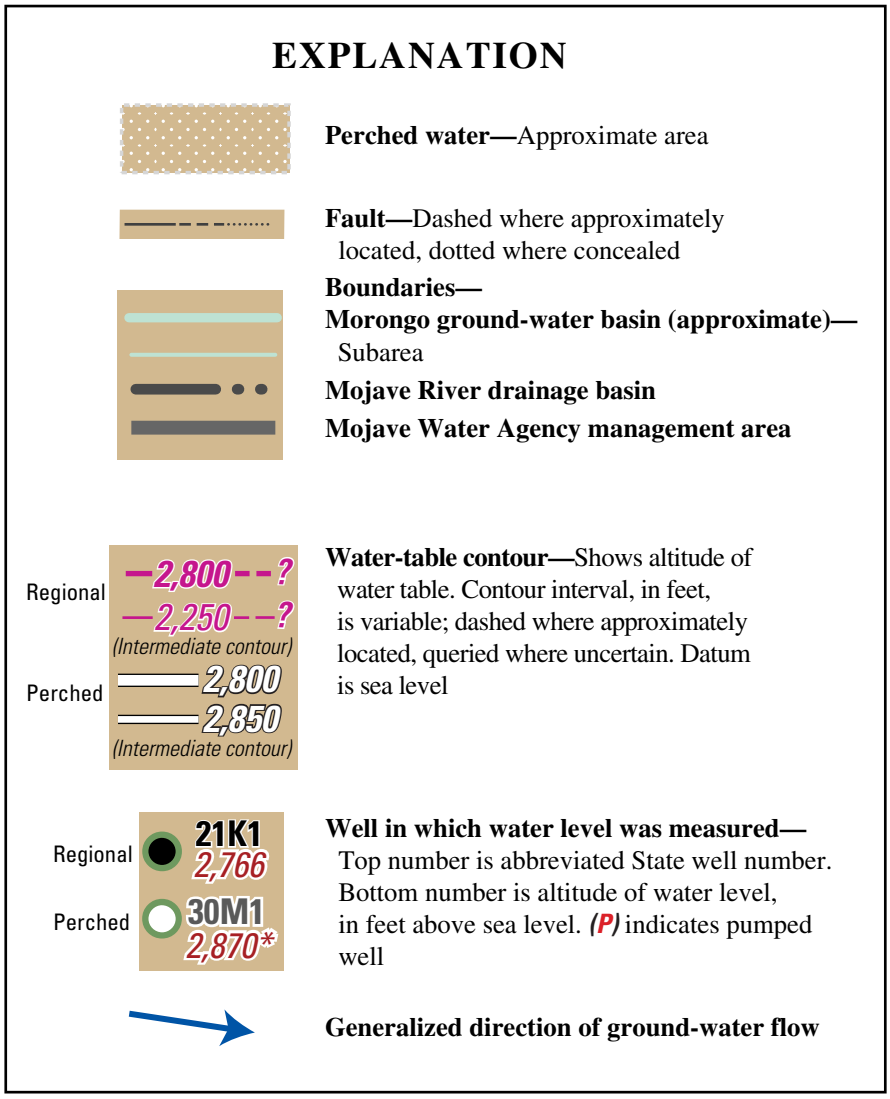


Figure 3. —Continued.

Historical water-level data were used in conjunction with data collected during this study to determine both long-term (1930–2000) and short-term (1996–2000) water-level changes in the Mojave River and the Morongo ground-water basins. Long-term water-level changes are depicted by 29 water-level hydrographs (pl. 1) that include data collected from the early 1930s. Some hydrographs combine data from more than one well in order to show water-level changes over a greater period in a given area. Thirteen short-term hydrographs were constructed from data collected between 1996 and 2000 along the Mojave River (pl. 1). These short-term hydrographs show the effects of seasonal recharge and discharge along the river. Recharge along the Mojave River is primarily from infiltration of stormflows, usually during January through March and artificially at the Rock Springs, Hodge, and Lenwood outlets (pl. 1).

In the Mojave River ground-water basin, a comparison of ground-water levels measured in the spring of 1998 and the spring of 2000 (fig. 2) indicates that changes in the regional aquifer system generally were less than or equal to 5 ft. Water levels measured in wells along the Mojave River showed the greatest change. In the Alto subarea, water levels declined as much as 37 ft. Farther downstream in the eastern Centro and the Baja subareas, water levels declined as much as 35 ft. Water levels in the Alto Transition Zone showed little change. However, water levels in the Centro subarea rose as much as 22 ft near the artificial-recharge sites of the Hodge Outlet (near well 9N/3W-22J4) and the Lenwood Outlet (near well 9N/3W-1R7) (pl. 1).

In the Morongo ground-water basin, a comparison of ground-water levels measured in the spring of 1998 and the spring of 2000 (fig. 2) indicates that, in most wells, water levels changed 5 ft or less. However, wells in the Warren and Lucerne subbasins showed greater water-level changes. In the Warren subbasin, continuing artificial ground-water recharge has resulted in water-level rises as great as 49 ft (well 1N/5E-36M6); however, water levels in other parts of this subbasin declined as much as 69 ft (well 1N/5E-36L1) (fig.4). In the Lucerne subbasin, water levels rose as much as 24 ft and declined as much as 7 ft.

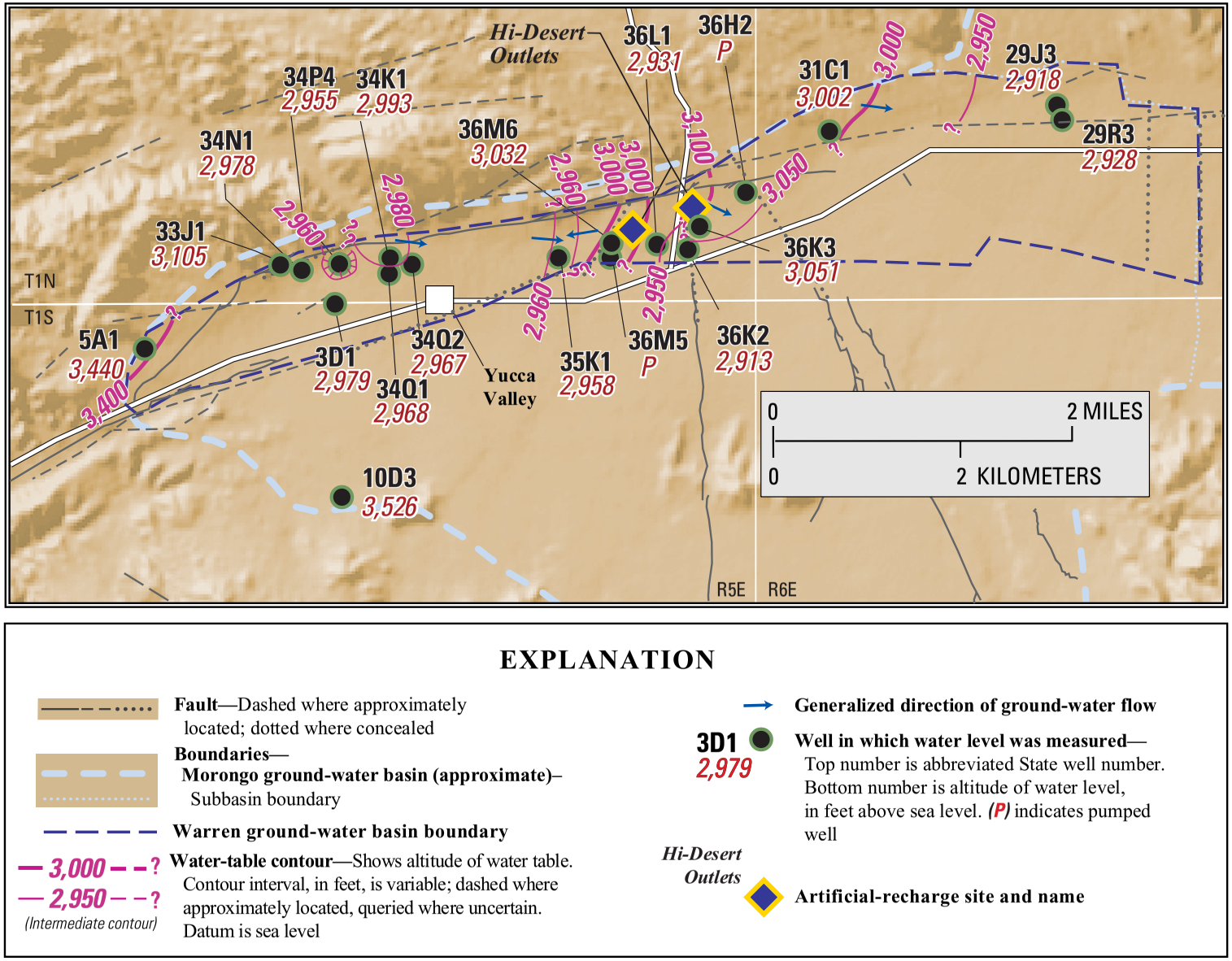


Figure 4. Enlarged view of regional water-table in the Warren subbasin, Morongo ground-water basin, southern California.

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TABLE

Table 1. Well-construction information and comparison between selected 1998 and 2000 water levels for the Mojave River and the Morongo ground-water basins, in the southwestern Mojave Desert, California

[State well No., see "Well-Numbering System" section in text; some numbers subject to change upon verification; U.S. Geological Survey (USGS) identification number; well notes: D, dry; F, flowing; N, measurement discontinued; O, obstruction; P, pumping; R, recently pumped; S, nearby pumping; T, nearby recently pumped; V, foreign substance; W, well destroyed; Z, other; ft, foot; —, no data]

State well No.	USGS Identification No.	Altitude of land surface (ft above sea level)	Well depth (ft)	Original screened or perforated interval (ft)	2000				1998			Water-level changes 1998–2000 (ft)
					Water-level measurement date	Depth to water (ft below)	Well notes	Altitude of water table (ft above sea level)	Water-level measurement date	Depth to water (ft below/above (+) land surface) (ft)	Well notes	
† 001N005E02N001	341144116260601	3,520	—	—	04/17/00	61.79	—	3,458.21	04/10/98	51.75	—	-10.04
† 001N005E11C002	341125116255201	3,650	—	—	03/01/00	212.16	—	3,437.84	04/24/98	209.94	—	-2.22
† 001N005E33J001	340729116272901	3,371	280	245–310	02/29/00	266.47	—	3,104.53	02/11/98	259.50	—	-6.97
† 001N005E34K002	340729116264702	3,380	640	228–378	03/23/00	387 *	—	2,993	—	—	—	—
† 001N005E34N001	340725116272401	3,340	548	200–281	03/23/00	362 *	—	2,978	03/18/98	368.35	—	6.35
† 001N005E34P004	340727116270801	3,360	1,020	398–1,010	04/05/00	405 *	—	2,955	03/18/98	417	—	12.00
† 001N005E34Q001	340724116264801	3,360	757	370–571	03/23/00	392 *	—	2,968	03/18/98	395	—	3.00
† 001N005E34Q002	340727116263801	3,360	990	360–900	04/05/00	393 *	—	2,967	—	—	—	—
† 001N005E35K001	340729116253701	3,260	860	300–850	04/05/00	302 *	—	2,958	—	—	—	—
001N005E35P001	340722116260301	3,280	504	194–494	04/05/00	280 *	—	3,000	—	—	—	—
† 001N005E36H002	340751116241901	3,210	1,000	400–1,000	03/23/00	270 *	P	2,940	—	—	—	—
† 001N005E36K001	340635116244601	3,230	—	—	—	—	—	—	—	—	—	—
† 001N005E36K002	340736116244601	3,230	805	323–780	04/05/00	317 *	—	2,913	03/18/98	289	—	-28.00
† 001N005E36K003	340738116244301	3,230	1,120	550–1,115	03/23/00	179 *	—	3,051	—	—	—	—
† 001N005E36L001	340734116245401	3,230	735	275–725	03/23/00	299 *	—	2,931	03/18/98	230	—	-69.00
† 001N005E36M004	340731116251001	3,245	800	400–800	03/23/00	— *	O	—	—	—	—	—
† 001N005E36M005	340732116251701	3,245	1,450	920–1,450	04/05/00	353 *	P	2,892	—	—	—	—
† 001N005E36M006	340732116251601	3,245	800	450–800	03/23/00	213 *	—	3,032	03/18/98	262	—	49.00
† 001N006E29J003	340821116220901	3,095	803	350–773	03/23/00	177 *	—	2,918	03/25/98	176.08	—	-.92
† 001N006E29R003	340816116220901	3,105	680	360–660	03/23/00	177 *	—	2,928	03/18/98	178.74	—	1.74
† 001N006E31C001	340750116234401	3,199	730	200–730	03/23/00	197 *	—	3,002	—	—	—	—
† 001N006E34D005[1]	340804116205903	3,030	820	780–820	03/02/00	530.16	—	2,499.84	—	—	—	—
† 001N007E10N001	341044116144301	2,385	267	—	02/29/00	208.06	—	2,176.94	02/10/98	208.13	—	.07
† 001N007E23A001	340945116125001	2,376	368	360–370	02/29/00	206.89	—	2,169.11	02/10/98	205.99	—	-.90
† 001N007E28Q001	340819116145001	2,483	412	—	02/29/00	209.48	—	2,273.52	02/10/98	207.18	—	-2.30

See footnotes at end of table.

Table 1. Well-construction information and comparison between selected 1998 and 2000 water levels for the Mojave River and the Morongo ground-water basins, in the southwestern mojave Desert, San Bernardino County, California—Continued

State well No.	USGS Identification No.	Altitude of land surface (ft above sea level)	Well depth (ft)	Original screened or perforated interval (ft)	2000				1998			Water-level changes 1998–2000 (ft)
					Water-level measurement date	Depth to water (ft below)	Well notes	Altitude of water table (ft above sea level)	Water-level measurement date	Depth to water (ft below/above (+) land surface) (ft)	Well notes	
† 001N007E28R002	340819116145201	2,464	262	—	02/29/00	192.08	—	2,271.92	2/11/98	189.76	—	-2.32
† 001N007E30K001	340831116172201	2,625	740	—	03/01/00	353 *	—	2,272	3/24/98	350.17	—	-2.83
† 001N007E32C001	340801116163401	2,610	—	—	02/29/00	336.53	—	2,273.47	2/11/98	334.43	—	-2.10
† 001N007E34B001	340803116140601	2,489	590	527–590	02/29/00	222.53	—	2,266.47	2/11/98	220.16	—	-2.37
† 001N007E34D001	340754116144501	2,543	396	261–391	02/29/00	268.77	—	2,274.23	2/10/98	266.33	—	-2.44
† 001N008E12G001	341114116053301	1,973	—	—	05/02/00	203.14	—	1,769.86	—	—	—	—
† 001N008E30J001	340831116104201	2,353	390	80–600	05/10/00	176.38	—	2,176.62	—	—	—	—
† 001N008E30N001	340807116113101	2,490	400	200–400	05/10/00	314.70	—	2,175.30	—	—	—	—
† 001N008E33A002	340804116083001	2,510	350	195–345	05/02/00	316.92	—	2,193.08	—	—	—	—
† 001N008E33A003	340803116082901	2,510	408	258–403	05/02/00	318.27	—	2,191.73	—	—	—	—
† 001N008E33A004	340805116082901	2,510	530	318–510	05/02/00	313.53	—	2,196.47	—	—	—	—
† 001N008E33A005	340804116082901	2,510	410	310–410	05/02/00	317.05	—	2,192.95	—	—	—	—
† 001N008E33J001	340731116084301	2,700	553	310–330	05/10/00	424.02	—	2,275.98	—	—	—	—
† 001N008E34M001	340731116082601	2,700	410	391	05/10/00	321.54	—	2,378.46	—	—	—	—
† 001N008E34N001	340722116081701	2,690	350	250–350	05/10/00	270.93	—	2,419.07	—	—	—	—
† 001N009E04C001	341226116024601	1,769	244	218–243	05/11/00	223.50	—	1,545.59	—	—	—	—
† 001N009E11N002	341047116010501	1,790	—	—	05/01/00	243.36	—	1,546.64	—	—	—	—
† 001N009E17E001	341031116041401	1,870	130	—	05/01/00	111.68	—	1,758.32	—	—	—	—
† 001N009E23D001	340953116005001	1,800	—	—	05/01/00	263.35	—	1,536.65	—	—	—	—
† 001N009E27C001	340855116013601	1,867	90	—	05/01/00	86.52	—	1,780.48	—	—	—	—
† 001N009E31A004	340755116042501	2,085	398	160–398	05/02/00	177.09	—	1,907.91	—	—	—	—
† 001N009E31C001	340757116045601	2,105	—	—	05/02/00	195.60	—	1,909.40	—	—	—	—
† 001N009E32P001	340719116034901	2,140	320	220–320	05/02/00	194.07	—	1,945.93	—	—	—	—
† 001N009E33F005	340743116025502	1,981	22	20–22	05/01/00	—	D	—	—	—	—	—
† 001N009E33H001	340741116022001	1,961	77	75–77	05/01/00	55.66	—	1,905.34	—	—	—	—
† 001N009E33J003	340739116021701	1,972	35	33–35	05/01/00	20.13	—	1,951.89	—	—	—	—
† 001N009E33K005	340739116023004	1,973	28	25.6–27.6	05/01/00	26.35	—	1,946.78	—	—	—	—

See footnotes at end of table.

Table 1. Well-construction information and comparison between selected 1998 and 2000 water levels for the Mojave River and the Morongo ground-water basins, in the southwestern mojave Desert, San Bernardino County, California—Continued

State well No.	USGS Identification No.	Altitude of land surface (ft above sea level)	Well depth (ft)	Original screened or perforated interval (ft)	2000				1998			Water-level changes 1998–2000 (ft)
					Water-level measurement date	Depth to water (ft below)	Well notes	Altitude of water table (ft above sea level)	Water-level measurement date	Depth to water (ft below/above (+) land surface) (ft)	Well notes	
† 001N009E34A001	340808116012101	1,935	235	—	05/10/00	148.62	—	1,786.38	—	—	—	—
† 001S005E03D001	340717116271001	3,340	940	400–940	04/05/00	361 *	—	2,979.00	—	—	—	—
† 001S005E05A001	340700116283201	3,554	371	145–340	03/25/00	114.05	—	3,439.95	03/25/98	114.05	—	0.00
† 001S005E10D003	340609116271201	3,585	—	—	03/07/00	59.41	—	3,525.59	03/29/98	55.98	—	-3.43
† 001S009E03D001	340714116020701	2,075	275	—	05/11/00	126.57	—	1,948.43	—	—	—	—
† 002N005E12N001	341600116250801	3,217	358	337–358	03/01/00	290.32	—	2,926.68	02/12/98	286.15	—	-4.17
† 002N005E13A001	341549116241601	3,079	155	135–190	03/01/00	151.72	—	2,927.28	03/11/98	147.97	—	-3.75
† 002N005E24H001	341444116241701	3,282	604	220–580	04/05/00	282 *	—	3,000	—	—	—	—
† 002N005E27A001	341412116262201	3,470	445	443–485	03/01/00	230.79	—	3,239.21	03/11/98	230.40	—	-.39
† 002N006E11M001	341622116194601	2,803	790	750	05/11/00	486.63	—	2,316.37	02/11/98	482.63	—	-4.00
† 002N006E18B001	341556116233401	3,087	310	187–305	04/17/00	230.32	—	2,856.68	04/10/98	228.35	—	-1.97
† 002N006E31D001	341316116240101	3,395	353	337–358	03/01/00	313.09	—	3,081.91	02/12/98	316.39	—	3.30
† 002N007E02C001	341741116132501	2,272	377	149–377	05/04/00	139.63	—	2,132.48	—	—	—	—
† 002N007E03A001	341740116134201	2,301	550	210–550	05/04/00	168.78	—	2,132.12	—	—	—	—
† 002N007E03B001	341736116141201	2,355	700	260–690	05/04/00	167.19	—	2,188.11	—	—	—	—
† 002N007E04H001	341720116145601	2,442	420	300–420	05/09/00	219.54	—	2,222.63	—	—	—	—
† 002N007E05B001	341742116160701	2,587	405	385–405	05/09/00	360.60	—	2,226.12	—	—	—	—
† 002N007E10D004[1]	341643116144404	2,581	420	400–420	05/24/00	364.27	—	2,216.61	—	—	—	—
† 002N007E11R003[1]	341601116124803	2,449	300	280–300	03/29/00	239.12	—	2,209.75	—	—	—	—
† 002N007E19A001	341501116170601	2,748	650	500–645	03/01/00	506.29	—	2,241.71	02/11/98	506.27	—	-.02
† 002N007E36R001	341238116114301	2,305	462	305–462	02/29/00	289.60	—	2,015.40	02/10/98	289.46	—	-.14
† 002N008E04B003[1]	341736116085901	2,010	230	204.3–229.3	05/08/00	209.11	—	1,801.19	—	—	—	—
† 002N008E04D004[1]	341737116092801	2,028	248	222.5–247.5	05/08/00	227.05	—	1,801.33	—	—	—	—
† 002N008E04F001	341725116090401	2,022	240	215–240	05/08/00	220.91	—	1,801.12	—	—	—	—
† 002N008E04L003[1]	341709116090403	2,042	285	245–285	05/08/00	240.66	—	1,800.89	—	—	—	—
† 002N008E05A002	341738116093401	2,036	254	228–253	05/08/00	237.64	—	1,798.79	—	—	—	—
† 002N008E07K001	341621116110601	2,270	525	125–505	05/09/00	441.14	—	1,828.86	—	—	—	—

See footnotes at end of table.

Table 1. Well-construction information and comparison between selected 1998 and 2000 water levels for the Mojave River and the Morongo ground-water basins, in the southwestern mojave Desert, San Bernardino County, California—Continued

State well No.	USGS Identification No.	Altitude of land surface (ft above sea level)	Well depth (ft)	Original screened or perforated interval (ft)	2000				1998				Water-level changes 1998–2000 (ft)
					Water-level measurement date	Depth to water (ft below)	Well notes	Altitude of water table (ft above sea level)	Water-level measurement date	Depth to water (ft below/above (+) land surface) (ft)		Well notes	
† 002N008E12P001	341600116055501	1,848	212	186–211	05/03/00	191.30	—	1,656.94	—	—		—	—
† 002N009E19R002[1]	341416116042502	1,768	310	290–310	05/03/00	222.45	—	1,545.89	—	—		—	—
† 002N009E20G001	341449116034201	1,921	440	400–440	05/05/00	373.73	—	1,546.94	—	—		—	—
† 002N009E20N002[1]	341419116040402	1,771	270	250–270	05/03/00	226.29	—	1,545.15	—	—		—	—
† 002N009E28L001	341341116024901	1,891	397	367–387	05/05/00	344.27	—	1,546.74	—	—		—	—
† 002N009E29D001	341402116040801	1,767	238	212.5–237.5	05/03/00	219.30	—	1,547.83	—	—		—	—
† 002N009E29M001[1]	341340116040501	1,760	410	390–410	05/05/00	213.69	—	1,546.69	—	—		—	—
† 002N009E29M003[1]	341340116040503	1,760	90	70–90	05/05/00	75.61	—	1,684.77	—	—		—	—
† 002N009E29Q001	341323116033801	1,765	238	213–238	05/05/00	217.49	—	1,547.61	—	—		—	—
† 002N009E29R001	341323116031601	1,767	256	235.5–255.5	05/05/00	222.23	—	1,544.97	—	—		—	—
† 002N009E31C002	341321116050001	1,795	—	—	05/02/00	32.98	—	1,762.02	—	—		—	—
† 003N003E02R001	342216116374801	2,990	240	240–241.5	03/02/00	203.24	—	2,786.76	03/04/98	203.26		—	0.02
† 003N003W07E001	342141117141901	2,945	—	—	03/23/00	25.90	—	2,919.10	04/08/98	20.68	*	—	-5.22
† 003N004E04K002	342229116341001	2,915	510	360–510	04/17/00	155.89	—	2,759.11	04/10/98	155.85		—	-.04
† 003N004E05K001	342224116350101	2,930	186	166–206	03/01/00	174.07	—	2,755.93	02/11/98	174.09		—	.02
† 003N004E12N001	342117116311501	3,255	203	—	03/08/00	—	O	—	—	—		—	—
† 003N004W02C001	342300117160301	3,200	700	420–700	04/18/00	360.36	—	2,839.64	04/10/98	353.66		—	-6.70
† 003N004W12G002	342154117144901	2,972	128	102–120	03/23/00	71.74	—	2,900.26	—	—		—	—
† 003N004W31B002	341840117200501	3,210	—	—	03/10/00	15.28	—	3,194.72	03/12/98	6.43		—	-8.85
† 003N006E02J001	342221116190801	2,413	335	—	05/12/00	165.11	—	2,247.89	—	—		—	—
† 003N006E04L001	342219116213501	2,400	137	—	05/12/00	—	D	—	—	—		—	—
† 003N006E04L002	342227116213301	2,395	76	—	05/12/00	—	D	—	—	—		—	—
† 003N006E04P001	342217116213101	2,401	132	—	05/12/00	—	D	—	—	—		—	—
† 003N006E16A001	342107116210401	2,507	295	275–295	05/04/00	174.97	—	2,332.03	03/30/98	174.47		—	-.50
† 003N006E27B001	341925116202501	2,643	415	395–415	05/04/00	310.04	—	2,332.96	03/30/98	309.52		—	-.52
† 003N007E19N001	341939116174501	2,488	334	275–295	05/04/00	245.36	—	2,243.04	—	—		—	—
† 003N007E20C001	342111116174801	2,445	605	228–605	05/04/00	202.13	—	2,242.77	—	—		—	—

See footnotes at end of table.

Table 1. Well-construction information and comparison between selected 1998 and 2000 water levels for the Mojave River and the Morongo ground-water basins, in the southwestern mojave Desert, San Bernardino County, California—Continued

State well No.	USGS Identification No.	Altitude of land surface (ft above sea level)	Well depth (ft)	Original screened or perforated interval (ft)	2000				1998			Water-level changes 1998–2000 (ft)
					Water-level measurement date	Depth to water (ft below)	Well notes	Altitude of water table (ft above sea level)	Water-level measurement date	Depth to water (ft below/above (+) land surface) (ft)	Well notes	
† 003N007E20M001	341952116164601	2,458	295	275–295	05/04/00	215.24	—	2,242.26	—	—	—	—
† 003N007E27H001	341909116134101	2,240	572	472–572	05/09/00	409.96	—	1,830.04	—	—	—	—
† 003N007E28D001	341918116153001	2,473	618	418–598	05/09/00	233.10	—	2,240.09	—	—	—	—
† 003N007E29G001	341912116160801	2,501	348	312–348	05/04/00	262.53	—	2,238.07	—	—	—	—
† 003N007E31E001	341823116175001	2,514	401	—	05/09/00	252.95	—	2,261.05	—	—	—	—
† 003N007E32D001[1]	341826116164501	2,544	618	418–598	03/29/00	315.20	—	2,228.80	—	—	—	—
† 003N007E32D006[1]	341829116164404	2,544	370	350–370	03/29/00	306.76	—	2,237.66	—	—	—	—
† 003N007E34D001	341833116144201	2,501	605	270	05/09/00	274.34	—	2,226.56	—	—	—	—
† 003N007E36G001	341809116115801	2,111	399	384	05/09/00	279.50	—	1,831.50	—	—	—	—
† 003N008E17L001	342037116101101	1,850	456	248	05/09/00	47.61	—	1,802.74	—	—	—	—
† 003N008E28P003	341843116090403	1,832	85	45–85	05/09/00	30.60	—	1,801.50	—	—	—	—
† 003N008E29C001	341918116101501	1,891	800	500–684	05/09/00	88.62	—	1,802.31	—	—	—	—
† 003N008E29L001	341845116100701	1,906	590	270–590	05/09/00	102.83	—	1,802.89	—	—	—	—
† 003N008E31J003[1]	341801116104603	2,036	250	210–250	05/09/00	206.15	—	1,830.15	—	—	—	—
† 003N008E33H002	341822116083301	1,837	56	30.5–55.5	05/09/00	36.02	—	1,801.43	—	—	—	—
† 003N008E33N002	341752116092501	1,992	210	185–210	05/08/00	190.46	—	1,801.38	—	—	—	—
† 003N008E34D001	341823116082201	1,824	396	—	05/09/00	25.45	—	1,798.45	—	—	—	—
† 004N001E02Q002	342732116504701	2,926	—	—	03/08/00	118.76	—	2,807.24	03/03/98	121.87	—	3.11
† 004N001E05P002	342736116540401	2,910	—	—	04/12/00	182.56	—	2,727.44	04/06/98	183.40	—	.84
† 004N001E09D004	342728116531901	2,925	300	180–300	03/08/00	180.48	—	2,744.52	03/10/98	180.25	—	-.23
† 004N001E15R001	342546116513901	3,062	405	240–340	03/08/00	180.10	—	2,881.90	02/06/98	187.03	—	6.93
† 004N001E20E001	342530116542101	3,020	280	—	03/08/00	140.05	R	2,879.95	—	—	—	—
† 004N001E23K001[1]	342518116505401	3,110	660	640–660	03/24/00	353.33 *	—	2,756.67	03/27/98	352.36 *	—	-.97
† 004N001E23K002[1]	342518116505402	3,110	381	360–380	03/24/00	358.63 *	—	2,751.37	03/27/98	357.48 *	—	-1.15
† 004N001W01R004[1]	342738116553901	2,878	760	740–760	03/28/00	153.52 *	—	2,724.48	03/27/98	154.11 *	—	.59
004N001W01R005[1]	342738116553902	2,878	560	540–560	03/24/00	150.45 *	—	2,727.55	03/27/98	151.82 *	—	1.37
004N001W01R007[1]	342738116553904	2,878	150	130–150	03/24/00	126.17 *	—	2,751.83	03/27/98	124.83 *	—	-1.34

See footnotes at end of table.

Table 1. Well-construction information and comparison between selected 1998 and 2000 water levels for the Mojave River and the Morongo ground-water basins, in the southwestern mojave Desert, San Bernardino County, California—Continued

State well No.	USGS Identification No.	Altitude of land surface (ft above sea level)	Well depth (ft)	Original screened or perforated interval (ft)	2000					1998				Water-level changes 1998–2000 (ft)
					Water-level measurement date	Depth to water (ft below)		Well notes	Altitude of water table (ft above sea level)	Water-level measurement date	Depth to water (ft below/above (+) land surface) (ft)		Well notes	
004N001W01R008[1]	342738116553905	2,875	345	328–348	03/24/00	150.58	*	—	2,724.42	03/27/98	150.78	*	—	0.20
† 004N001W01R009[1]	342738116553906	2,875	136	120–140	03/24/00	125.57	*	—	2,749.43	03/27/98	123.98	*	—	-1.59
† 004N001W03K001	342755116580301	2,860	404	—	03/07/00	22.48		—	2,837.52	03/05/98	21.27		—	-1.21
† 004N001W07E001	342714117015601	2,950	—	—	03/07/00	45.08		—	2,904.92	03/06/98	44.66		—	-.42
† 004N001W07R001	342639117005501	2,936	130	—	03/07/00	19.27		—	2,916.73	03/06/98	18.74		—	-.53
† 004N001W10H001	342717116580001	2,910	—	—	03/07/00	13.80		—	2,896.20	03/05/98	13.43		—	-.37
† 004N001W10R001	342639116580001	2,946	189	—	04/17/00	18.07		—	2,927.93	04/10/98	16.92		—	-1.15
004N001W13M003[1]	342610116564101	2,990	100	—	04/20/00	53.52		—	2,936.48	04/10/98	53.35		—	-.17
† 004N001W13M004[1]	342610116564102	2,990	200	—	04/20/00	54.38		—	2,935.62	03/06/98	58.61		—	4.23
† 004N001W13R001[1]	342544116555001	3,075	490	470–490	03/08/00	284.63		—	2,790.37	03/27/98	285.02	*	—	.39
004N001W13R002[1]	342544116555002	3,075	371	360–380	03/08/00	272	*	—	2,803.00	03/27/98	274.31	*	—	2.31
† 004N001W13R003[1]	342544116555003	3,075	240	240–260	03/08/00	236.51		—	2,838.49	03/27/98	233.52	*	—	-2.99
004N001W13R004[1]	342544116555004	3,075	127	110–130	03/08/00	—		D	—	—	—		—	—
† 004N001W14C002	342625116571301	2,950	105	—	03/27/00	12.48	*	—	2,937.52	—	—		—	—
† 004N001W18Q001	342544117011501	3,000	—	—	04/20/00	80.42		S	2,919.58	—	—		—	—
† 004N001W21G001	342519116591401	3,121	250	—	03/28/00	180.95	*	—	2,940.05	04/07/98	173.86		—	-7.09
† 004N002E09N002	342643116471101	3,035	—	—	03/07/00	140.22		—	2,894.78	03/05/98	140.04		—	-.18
† 004N002E13P001	342551116434301	2,995	—	—	03/07/00	107.90		—	2,887.10	03/06/98	107.94		—	.04
† 004N002E17H002	342612116471601	3,030	200	—	03/07/00	136.25		—	2,893.75	—	—		—	—
† 004N002W04Q001	342728117053001	3,080	500	300–500	03/06/00	243.12		—	2,836.88	03/06/98	241.54		—	-1.58
† 004N002W05P001	342732117064801	3,075	340	260–320	04/20/00	237.65		—	2,837.35	03/10/98	241.35		—	3.70
† 004N002W16E001	342618117060701	3,190	380	325–375	03/24/00	339.18		—	2,850.82	03/09/98	342.46		—	3.28
† 004N003E07G001	342708116422401	2,895	99	95–97	03/03/00	63.37		—	2,831.63	03/04/98	63.75		—	.38
† 004N003E15J001	342600116385101	2,863	88	87–89	03/02/00	82.15		—	2,780.85	03/04/98	82.09		—	-.06
† 004N003E16D001	342631116405301	2,885	200	—	03/03/00	101.50		—	2,783.50	03/04/98	101.52		—	.02
† 004N003E23G001	342517116380601	2,850	107	76–150	03/02/00	72.55		—	2,777.45	03/04/98	72.50		—	-.05
† 004N003E30C001	342448116424601	3,080	—	—	03/03/00	197.94		—	2,882.06	03/04/98	198.04		—	.10

See footnotes at end of table.

Table 1. Well-construction information and comparison between selected 1998 and 2000 water levels for the Mojave River and the Morongo ground-water basins, in the southwestern mojave Desert, San Bernardino County, California—Continued

State well No.	USGS Identification No.	Altitude of land surface (ft above sea level)	Well depth (ft)	Original screened or perforated interval (ft)	2000				1998			Water-level changes 1998–2000 (ft)
					Water-level measurement date	Depth to water (ft below)	Well notes	Altitude of water table (ft above sea level)	Water-level measurement date	Depth to water (ft below/above (+) land surface) (ft)	Well notes	
† 004N003E35J001	342324116374901	2,920	512	200–512	03/02/00	135.96	—	2,784.04	03/04/98	135.99	—	0.03
† 004N003W01M001	342744117091101	3,045	730	—	03/06/00	239.99	—	2,805.01	04/10/98	237.30	—	-2.69
† 004N003W07N001	342641117141601	2,858	100	—	03/24/00	—	D	2,810.13	04/07/98	47.87	R	—
† 004N003W12A001[1]	342726117082401	3,122	600	580–600	03/24/00	304.02 *	—	2,817.98	03/10/98	302.12	—	-1.90
004N003W12A002[1]	342726117082402	3,122	345	325–345	03/24/00	298.40 *	—	2,823.60	03/10/98	299.69	—	1.29
† 004N003W15C001	342630117104501	3,076	390	330–390	04/21/00	273.27	—	2,802.73	04/10/98	268.51	—	-4.76
† 004N003W17E003	342613117132601	2,865	—	—	03/06/00	62.16	—	2,802.84	04/21/98	52.40	—	-9.76
† 004N003W18B001	342631117134501	2,860	100	—	03/22/00	61.71 *	—	2,798.29	04/08/98	53.15 *	—	-8.56
004N003W19G002[1]	342514117134801	2,881	600	580–600	03/14/00	74.95	—	2,806.05	03/11/98	64.38	—	-10.57
004N003W19G003[1]	342514117134802	2,881	375	355–375	03/14/00	75.42	—	2,805.58	03/11/98	64.58	—	-10.84
004N003W19G004[1]	342514117134803	2,881	190	175–195	03/14/00	75.71	—	2,805.29	03/11/98	60.58	—	-15.13
† 004N003W19G005[1]	342514117134804	2,881	89	75–95	03/14/00	75.40	—	2,805.60	03/11/98	38.01	—	-37.39
† 004N003W19M001	342516117141801	2,900	158	153–173	03/24/00	98.26 *	—	2,801.74	04/08/98	79.11 *	—	-19.15
† 004N003W20K001	342502117124901	2,970	—	—	03/06/00	153.72	—	2,816.28	04/08/98	144.56	—	-9.16
† 004N003W30A006	342436117133801	2,894	123	—	03/23/00	74.40	R	2,819.60	—	—	—	—
† 004N003W31L001	342320117140701	2,920	—	—	03/24/00	59.08 *	—	2,860.92	—	—	—	—
004N003W31L006[1]	342318117141101	2,922	550	530–550	03/24/00	48.77 *	—	2,873.23	03/27/98	37.71 *	—	-11.06
004N003W31L007[1]	342318117141102	2,922	381	361.2–381.2	03/24/00	57.44 *	—	2,864.56	03/27/98	43.30 *	—	-14.14
004N003W31L008[1]	342318117141103	2,922	260	240.3–260.3	03/24/00	58.14 *	—	2,863.86	03/27/98	45.13 *	—	-13.01
† 004N003W31L009[1]	342318117141104	2,922	141	120–140	03/24/00	56.96 *	—	2,865.04	03/27/98	43.30 *	—	-13.66
† 004N004E17C001	342620116351701	2,735	54	59–61	03/01/00	38.41	—	2,696.59	03/05/98	38.55	—	.14
† 004N004E19B001	342533116360801	2,775	120	—	03/08/00	37.85	—	2,737.15	02/03/98	37.94	—	.09
† 004N004E29D001	342446116354101	2,770	47	45–47	03/02/00	29.74	—	2,740.26	—	—	—	—
† 004N004E32Q001	342306116350301	2,825	118	119–120.5	03/02/00	80.07	—	2,744.93	03/07/98	79.80	—	-.27
† 004N004E36B001	342350116305801	2,630	72	70–72	03/01/00	63.78	—	2,566.22	03/05/98	63.51	—	-.27
004N004W01C002[1]	342814117150501	2,818	620	600–620	03/24/00	24.34 *	—	2,793.66	03/27/98	18.94 *	—	-5.40
004N004W01C003[1]	342814117150502	2,818	328	310–330	03/24/00	46.44 *	—	2,771.56	03/27/98	36.80 *	—	-9.64

See footnotes at end of table.

Table 1. Well-construction information and comparison between selected 1998 and 2000 water levels for the Mojave River and the Morongo ground-water basins, in the southwestern mojave Desert, San Bernardino County, California—Continued

State well No.	USGS Identification No.	Altitude of land surface (ft above sea level)	Well depth (ft)	Original screened or perforated interval (ft)	2000					1998				Water-level changes 1998–2000 (ft)
					Water-level measurement date	Depth to water (ft below)		Well notes	Altitude of water table (ft above sea level)	Water-level measurement date	Depth to water (ft below/above (+) land surface) (ft)		Well notes	
004N004W01C004[1]	342814117150503	2,818	193	170–190	03/24/00	45.20	*	—	2,772.80	03/27/98	35.12	*	—	-10.08
004N004W01C005[1]	342814117150504	2,818	82	60–80	03/24/00	38.84	*	—	2,779.16	03/27/98	17.48	*	—	-21.36
† 004N004W01C005[1]	342814117150504	2,818	82	60–80	03/01/00	38.67	*	—	2,779.33	—	—		—	—
† 004N004W01D002	342815117152701	2,827	50	—	03/24/00	39.88	*	—	2,787.12	04/13/98	22.05	*	—	-17.83
† 004N004W01R001	342729117144501	2,845	130	—	03/24/00	51.05	*	—	2,793.95	04/07/98	32.94	*	—	-18.11
004N004W03A002[1]	342805117164501	2,983	790	770–790	03/24/00	187.50	*	—	2,795.50	03/27/98	182.85	*	—	-4.65
004N004W03A003[1]	342805117164502	2,983	510	490–510	03/24/00	210.62	*	—	2,772.38	03/27/98	207.02	*	—	-3.60
004N004W03A004[1]	342805117164503	2,983	359	340–360	04/25/00	214.44	*	—	2,768.56	03/27/98	205.68	*	—	-8.76
† 004N004W03A005[1]	342805117164504	2,983	232	195–235	03/24/00	210.41	*	—	2,772.59	03/02/98	207.08	*	—	-3.33
† 004N004W03Q001	342740117165501	3,021	400	240–400	03/09/00	252.86		—	2,768.14	04/09/98	247.78		—	-5.08
† 004N004W24P003	342450117151201	3,006	605	245–605	04/18/00	197.15		—	2,808.85	04/10/98	186.99		—	-10.16
† 004N004W36Q001	342305117145201	2,923	—	—	03/23/00	68.51	*	—	2,854.49	04/08/98	43.55	*	—	-24.96
† 004N005W21H001	342519117240701	3,530	670	630–670	04/26/00	649.27		—	2,880.73	04/23/98	648.45		—	-.82
† 004N006E27D001	342429116205601	2,323	—	—	05/12/00	69.90		—	2,253.10	03/30/98	70.02		—	.12
† 004N006E27M001	342406116205501	2,350	—	—	05/12/00	89.17		—	2,260.83	—	—		—	—
† 004N006E28R001	342351116211301	2,361	—	—	05/12/00	—		D	—	—	—		—	—
† 004N006E34E001	342327116205801	2,360	—	—	05/12/00	—		D	—	—	—		—	—
† 004N006W23M001	342503117290301	3,920	1,030	—	04/21/00	984.02		—	2,935.98	—	—		—	—
† 004N007W33J001	342316117362501	4,870	451	251–451	12/21/99	244	*	—	4,626	—	—		—	—
† 004N008W07C001	342713117453001	4,202	280	—	03/30/00	226.69		—	3,975.31	03/18/98	225.29		—	-1.40
† 004N008W07R001	342631117445101	4,307	185	—	03/30/00	111.89		—	4,195.11	03/19/98	106.70		—	-5.19
005N001E08N003[1]	343155116543401	2,875	280	260–280	03/28/00	152.92	*	—	2,722.08	03/27/98	153.67	*	—	.75
† 005N001E08N004[1]	343155116543402	2,875	200	180–200	03/24/00	153.06	*	—	2,721.94	03/27/98	153.86	*	—	.80
† 005N001E17D001	343153116542301	2,880	169	—	03/08/00	156.24		—	2,723.76	03/05/98	156.89		—	.65
† 005N001W25G001	342943116555201	2,850	202	164–200	04/20/00	124.95		—	2,725.05	04/10/98	127.97		—	3.02
† 005N001W31C001	342916117012601	3,080	252	—	03/07/00	220.39		—	2,859.61	—	—		—	—
† 005N001W36F001[1]	342850116562301	2,855	740	720–740	03/28/00	128.64	*	—	2,726.36	—	—		—	—

See footnotes at end of table.

Table 1. Well-construction information and comparison between selected 1998 and 2000 water levels for the Mojave River and the Morongo ground-water basins, in the southwestern mojave Desert, San Bernardino County, California—Continued

State well No.	USGS Identification No.	Altitude of land surface (ft above sea level)	Well depth (ft)	Original screened or perforated interval (ft)	2000					1998				Water-level changes 1998–2000 (ft)
					Water-level measurement date	Depth to water (ft below)		Well notes	Altitude of water table (ft above sea level)	Water-level measurement date	Depth to water (ft below/above (+) land surface) (ft)		Well notes	
† 005N001W36F005[1]	342850116562305	2,855	130	110–130	03/24/00	92.19	*	—	2,762.81	—	—		—	—
† 005N003W03H002	343307117103201	2,920	223	—	04/24/00	176.83		S	2,743.17	—	—		—	—
† 005N003W04B002	343315117114401	2,919	330	133–330	03/01/00	181	*	—	2,738	—	—		—	—
† 005N003W04P001	343239117120101	2,910	240	80–240	03/09/00	—		O	—	—	—		—	—
† 005N003W05R003	343218117123401	2,904	150	—	03/09/00	113.80		—	2,790.20	03/11/98	113.14		—	-0.66
† 005N003W22G001	343035117104901	2,935	384	180–384	03/01/00	140	*	—	2,795	—	—		—	—
† 005N003W22J001	343015117102301	2,934	347	—	03/23/00	130.60		—	2,803.40	—	—		—	—
† 005N003W23B001	343053117094401	2,916	153	90–153	03/09/00	115.42		—	2,800.58	—	—		—	—
† 005N003W23R001	343005117092301	2,930	264	—	03/23/00	126.10		—	2,803.90	04/09/98	126.69		—	.59
005N003W27E003[1]	342938117111901	2,950	242	232–236.5	04/13/00	157.78		—	2,792.22	04/11/98	152.96		—	-4.82
005N003W27E004[1]	342938117111902	2,950	194	189–194	04/13/00	154.79		—	2,795.21	04/11/98	152.29		—	-2.50
005N003W27E005[1]	342938117111903	2,950	173	163–168	04/12/00	150.98		—	2,799.02	04/11/98	151.07		—	.09
† 005N003W27E006[1]	342938117111904	2,950	152	143–148	04/12/00	147.20		—	2,802.80	04/11/98	147.38		—	.18
† 005N003W28C001	342954117115801	2,958	385	—	03/01/00	170	*	—	2,788	—	—		—	—
005N003W30A001[1]	342959117133001	2,960	285	270–280	03/24/00	176.91		—	2,783.09	03/11/98	174.59		—	-2.32
005N003W30A002[1]	342959117133002	2,960	233	218–228	03/24/00	176.53		—	2,783.47	03/11/98	176.06		—	-.47
† 005N003W30A003[1]	342959117133003	2,960	200	185–195	03/24/00	174.61		—	2,785.39	03/11/98	176.95		—	2.34
† 005N003W30L001	342935117140001	2,858	471	135–471	03/01/00	84	*	—	2,774	—	—		—	—
† 005N004W03P003	343239117172401	2,710	145	—	03/23/00	10.73		—	2,699.27	—	—		—	—
† 005N004W09K001	343202117175601	2,860	303	203–303	03/01/00	130.30	*	—	2,729.70	—	—		—	—
† 005N004W09R001	343154117173501	2,757	250	—	11/01/00	52.10	*	—	2,704.90	—	—		—	—
† 005N004W11P001	343150117151501	2,788	65	—	—	—		—	—	—	—		—	—
† 005N004W13M001	343111117152501	2,802	124	38–124	03/01/00	43	*	—	2,759	—	—		—	—
† 005N004W13N004	343054117152901	2,810	640	220–620	02/29/00	—	*	P	—	—	—		—	—
005N004W14D001[1]	343145117163501	2,740	340	320–340	03/24/00	20.17	*	—	2,719.83	03/27/98	7.61	*	—	-12.56
005N004W14D002[1]	343145117163502	2,740	203	180–200	03/24/00	6.48	*	—	2,733.52	03/02/98	+4.41	*	—	-10.89
005N004W14D003[1]	343145117163503	2,740	95	80–100	03/24/00	14.54	*	—	2,725.46	03/27/98	11.78	*	—	-2.76

See footnotes at end of table.

Table 1. Well-construction information and comparison between selected 1998 and 2000 water levels for the Mojave River and the Morongo ground-water basins, in the southwestern mojave Desert, San Bernardino County, California—Continued

State well No.	USGS Identification No.	Altitude of land surface (ft above sea level)	Well depth (ft)	Original screened or perforated interval (ft)	2000					1998				Water-level changes 1998–2000 (ft)
					Water-level measurement date	Depth to water (ft below)		Well notes	Altitude of water table (ft above sea level)	Water-level measurement date	Depth to water (ft below/above (+) land surface) (ft)		Well notes	
† 005N004W14D004[1]	343145117163504	2,740	42	30–50	03/24/00	15.01	*	—	2,724.99	03/27/98	14.07	*	—	-.94
† 005N004W15K001	343111117165801	2,745	600	200–600	03/23/00	1.31		—	2,743.69	04/08/98	.29	*	—	-1.02
† 005N004W16M001	343112117183501	2,944	402	—	03/01/00	196.20	*	—	2,747.80	—	—		—	—
† 005N004W19J001	343018117195101	2,990	—	—	02/01/00	236.30	*	—	2,753.70	—	—		—	—
† 005N004W20B001	343045117190601	2,943	—	—	01/01/00	187.80	*	—	2,755.20	—	—		—	—
† 005N004W21A001	343048117174401	2,925	200	160–200	03/01/00	186.20	*	—	2,738.80	—	—		—	—
† 005N004W23A002	343052117153501	2,800	444	168–373	03/01/00	57.00	*	—	2,743	—	—		—	—
† 005N004W23B001	343046117155801	2,750	10	0–9.5	03/15/00	2.14	*	—	2,747.86	03/23/98	2.11		—	-.03
† 005N004W25Q001	342916117145501	2,800	100	—	03/23/00	18.88		—	2,781.12	04/07/98	10.81	*	—	-8.07
† 005N004W27D008	342953117173101	2,860	520	290–510	03/01/00	115.20	*	—	2,744.80	—	—		—	—
† 005N004W30M001	342928117203501	3,073	505	—	02/01/00	318	*	—	2,755	—	—		—	—
† 005N004W30M002	342922117203301	3,078	—	—	02/01/00	323.30	*	—	2,754.70	—	—		—	—
† 005N004W35J002	342840117153301	2,815	400	100–400	03/23/00	67.73		—	2,747.27	04/07/98	48.80	*	—	-18.93
† 005N005W22E001	343027117235201	3,121	540	—	—	—		—	—	—	—		—	—
† 005N005W22E002	343027117235001	3,122	510	—	03/23/00	366.08	*	—	2,755.92	—	—		—	—
† 005N005W35C003	342904117223501	3,205	865	—	03/27/00	447	*	—	2,758	04/03/98	434.24		—	-12.76
005N006W22E001[1]	343030117300901	3,260	750	730–750	03/24/00	350.48	*	—	2,909.52	03/27/98	350.68	*	—	.20
005N006W22E002[1]	343030117300902	3,260	565	545–565	03/24/00	361.42	*	—	2,898.58	03/13/98	358.01		—	-3.41
† 005N006W22E003[1]	343030117300903	3,260	400	380–400	03/24/00	351.25	*	—	2,908.75	03/13/98	349.64		—	-1.61
† 005N006W36R001	342814117271801	3,422	672	—	02/27/00	519	*	—	2,912	04/03/98	517.20	*	—	-1.80
† 005N007W17D001	343139117383101	3,225	—	—	04/27/00	303.55		R	2,921.45	—	—		—	—
† 005N007W28L001	342923117370601	3,505	626	606–626	04/23/00	545.63		—	2,959.37	04/16/98	545.66		—	.03
005N007W30D003	342951117393201	3,390	—	—	12/01/00	463	*	—	2,927	—	—		—	—
† 005N008W13R001	343059117394101	3,269	390	—	04/27/00	349.84		R	2,919.16	—	—		—	—
† 005N008W25H001	342930117393501	3,445	—	—	04/26/00	505.51		—	2,939.49	—	—		—	—
† 005N009W05R002	343242117500601	2,908	137	—	03/29/00	100.85		—	2,807.15	03/18/98	101.92		—	1.07
† 006N001W05J001	343802116595901	3,220	—	—	03/07/00	115.22		—	3,104.78	03/05/98	115.97		—	0.75

See footnotes at end of table.

Table 1. Well-construction information and comparison between selected 1998 and 2000 water levels for the Mojave River and the Morongo ground-water basins, in the southwestern mojave Desert, San Bernardino County, California—Continued

State well No.	USGS Identification No.	Altitude of land surface (ft above sea level)	Well depth (ft)	Original screened or perforated interval (ft)	2000				1998			Water-level changes 1998–2000 (ft)
					Water-level measurement date	Depth to water (ft below)	Well notes	Altitude of water table (ft above sea level)	Water-level measurement date	Depth to water (ft below/above (+) land surface) (ft)	Well notes	
† 006N001W22P001	343513116582201	3,059	350	—	03/07/00	151	—	2,908	03/05/98	158.08	—	7.08
† 006N001W27B001	343500116581401	3,040	—	—	03/07/00	147.88	—	2,892.12	03/05/98	146.74	—	-1.14
† 006N001W27R001	343417116574501	3,038	354	168–288	03/07/00	188.57	—	2,849.43	03/05/98	199.23	—	10.66
† 006N001W36J001	343338116553801	2,948	266	226–266	03/07/00	191.11	—	2,756.89	03/05/98	214.69	—	23.58
† 006N003W08N001	343708117132401	3,072	—	—	03/23/00	72.97	—	2,999.03	03/12/98	73.30	—	.33
† 006N003W09M001	343722117122001	3,078	72	—	03/09/00	22.73	—	3,055.27	03/12/98	24.90	—	2.17
† 006N003W15Q001	343605117103101	3,132	230	140–230	03/23/00	107.59	—	3,024.41	03/12/98	112.28	—	4.69
† 006N003W32R003	343328117122401	2,922	197	166–196	03/09/00	174.11	—	2,747.89	03/11/98	170.78	—	-3.33
† 006N004W06D013	343833117203801	2,580	86	—	03/23/00	50.11	—	2,529.89	—	—	—	—
† 006N004W07M003	343718117203301	2,596	83	—	03/22/00	33.12	—	2,562.88	04/03/98	33.01	—	-.11
† 006N004W18N002[1]	343604117204501	2,604	14	10.2–14.8	03/15/00	4.23 *	—	2,599.33	03/11/98	2.72	—	-1.51
006N004W18N003[1]	343604117204502	2,604	11	10–11	03/15/00	4.35 *	—	2,599.30	03/11/98	2.84	—	-1.51
† 006N004W19C008	343551117202301	2,615	—	—	03/22/00	—	P	—	—	—	—	—
† 006N004W19E002	343549117203601	2,595	—	—	03/23/00	23.66	P	2,571.34	—	—	—	—
† 006N004W19K001	343530117200401	2,625	—	—	03/22/00	5.67	—	2,619.33	04/03/98	5.03	—	-.64
† 006N004W29M001	343433117194201	2,660	23	—	03/23/00	9.87 *	—	2,650.13	04/07/98	8.98 *	—	-.89
† 006N004W30D010	343458117204201	2,691	145	25–145	03/11/00	76.54	—	2,614.46	—	—	—	—
† 006N004W30J005	343435117195501	2,620	24	14.5–24.5	03/15/00	8.14 *	—	2,611.86	03/24/98	7.77	—	-.37
† 006N004W30P005	343430117202401	2,650	442	192–420	03/24/00	73.08 *	—	2,576.92	04/07/98	58.82 *	—	-14.26
† 006N004W33N001	343337117183101	2,680	63	—	03/24/00	10.51 *	—	2,669.49	04/07/98	9.98 *	—	-.53
† 006N004W34E002	343351117173202	2,736	—	144–324	03/01/00	61 *	—	2,675.00	—	—	—	—
† 006N004W34M008	343343117172601	2,730	180	130–179	03/24/00	58.26 *	—	2,671.74	04/08/98	58.05 *	—	-.21
006N005W01B004[1]	343842117210501	2,544	14	11.4–15	03/15/00	7.21 *	—	2,536.40	03/11/98	7.01	—	-.20
† 006N005W01B005[1]	343842117210502	2,544	9	8–9	03/15/00	7.31 *	—	2,536.35	03/11/98	7.07	—	-.24
006N005W01B006[1]	343842117211101	2,543	15	9.4–15	03/15/00	6.26 *	—	2,536.77	03/11/98	6.25	—	-.01
006N005W01B007[1]	343842117211102	2,543	9	7–8	03/15/00	6.23 *	—	2,536.71	03/11/98	6.18	—	.05
006N005W01B008[1]	343842117211801	2,544	15	10–14	03/15/00	7.36 *	—	2,536.83	03/11/98	8.03	—	0.67

See footnotes at end of table.

Table 1. Well-construction information and comparison between selected 1998 and 2000 water levels for the Mojave River and the Morongo ground-water basins, in the southwestern mojave Desert, San Bernardino County, California—Continued

State well No.	USGS Identification No.	Altitude of land surface (ft above sea level)	Well depth (ft)	Original screened or perforated interval (ft)	2000					1998				Water-level changes 1998–2000 (ft)
					Water-level measurement date	Depth to water (ft below)		Well notes	Altitude of water table (ft above sea level)	Water-level measurement date	Depth to water (ft below/above (+) land surface) (ft)		Well notes	
† 006N005W01B009[1]	343842117211802	2,544	10	9–10	03/15/00	7.39	*	—	2,536.80	03/11/98	8.02		—	.63
006N005W01C001[1]	343840117212701	2,544	15	10–15	05/17/00	9.52	*	—	2,534.44	—	—		—	—
† 006N005W01C002[1]	343840117212702	2,544	10	9–10	05/17/00	9.58	*	—	2,534.44	03/11/98	7.21		—	-2.37
† 006N005W01J001	343805117205101	2,570	—	—	03/23/00	—		O	—	—	—		—	—
† 006N005W01K001	343815117211101	2,552	22	15–25	03/15/00	6.64	*	—	2,544.86	03/12/98	6.12	*	—	-.52
006N005W01L001[1]	343815117211901	2,553	95	93–103	03/15/00	10.47	*	—	2,542.09	03/12/98	10.70	*	—	.23
† 006N005W01L002[1]	343815117211902	2,553	26	15–25	03/15/00	7.70	*	—	2,545.14	03/12/98	8.70	*	—	1.00
† 006N005W03Q002	343752117232501	2,792	256	—	04/13/00	207.67		—	2,584.33	—	—		—	—
† 006N005W04K001	343806117241601	2,770	—	—	03/24/00	90.95		—	2,679.05	03/26/98	91.09		—	.14
† 006N005W05L001	343804117254601	2,761	268	—	04/25/00	72.25		V	2,688.75	04/02/98	72.45		—	.20
† 006N005W06R003	343756117260701	2,764	—	—	03/24/00	77.45		R	2,686.55	—	—		—	—
† 006N005W12F001	343726117213001	2,648	77	68–78	03/15/00	73.10	*	—	2,575	—	—		—	—
006N005W12G001[1]	343732117211801	2,572	29	—	03/15/00	3.17	*	—	2,568.44	03/12/98	3.51	*	—	.34
006N005W12G002[1]	343733117210801	2,571	22	93–103	03/15/00	10.73	*	—	2,559.77	03/12/98	10.98	*	—	.25
† 006N005W12G003[1]	343733117210802	2,570	25	15–25	03/15/00	10.91	*	—	2,559.39	03/12/98	11.15	*	—	.24
006N005W12G004[1]	343730117210401	2,571	19	8.5–18.5	03/15/00	9.48	*	—	2,561.22	03/10/98	9.44		—	-.04
006N005W12H001[1]	343723117205501	2,580	150	30–150	03/15/00	18.91	*	—	2,561.09	03/11/98	18.78		—	-.13
006N005W12H002[1]	343723117205401	2,582	25	20.2–24.8	03/15/00	18.04	*	—	2,564.25	03/11/98	17.98		—	-.06
006N005W12H003[1]	343723117205402	2,582	21	20–21.2	03/15/00	18.11	*	—	2,564.21	03/11/98	18.02		—	-.09
006N005W12H004[1]	343723117205601	2,574	16	11.4–15	03/15/00	9.45	*	—	2,564.23	03/11/98	9.38		—	-.07
† 006N005W12H005[1]	343723117205602	2,574	13	12.2–13.3	03/15/00	9.48	*	—	2,564.27	03/11/98	9.45		—	-.03
† 006N005W12K001	343710117211701	2,589	60	—	03/15/00	11.54	*	—	2,577.67	03/12/98	9.91	*	—	-1.63
006N005W12K004[1]	343723117210401	2,574	14	10.4–15	03/15/00	9.63	*	—	2,563.91	03/11/98	10.68		—	1.05
006N005W12K005[1]	343723117210402	2,574	12	11–12	03/15/00	9.62	*	—	2,563.94	03/11/98	10.60		—	.98
† 006N005W12L005	343721117213001	2,636	74	64–74	03/15/00	58.38	*	—	2,577.62	—	—		—	—
† 006N005W12P002	343704117212801	2,615	43	—	03/22/00	35.08		—	2,580.36	04/03/98	33.78		—	-1.30
† 006N005W13G004	343632117211201	2,616	38	—	03/22/00	32.47		—	2,583.83	04/03/98	30.44		—	-2.03

See footnotes at end of table.

Table 1. Well-construction information and comparison between selected 1998 and 2000 water levels for the Mojave River and the Morongo ground-water basins, in the southwestern mojave Desert, San Bernardino County, California—Continued

State well No.	USGS Identification No.	Altitude of land surface (ft above sea level)	Well depth (ft)	Original screened or perforated interval (ft)	2000					1998			Water-level changes 1998–2000 (ft)
					Water-level measurement date	Depth to water (ft below)		Well notes	Altitude of water table (ft above sea level)	Water-level measurement date	Depth to water (ft below/above (+) land surface) (ft)	Well notes	
† 006N005W13N001	343606117214101	2,836	132	—	04/11/00	110.08	*	—	2,725.92	—	—	—	—
† 006N005W24L001	343535117213001	2,854	295	—	04/13/00	269.22		R	2,584.78	—	—	—	—
† 006N005W25B001	343511117210701	2,859	288.5	—	04/12/00	273.18		R	2,585.82	—	—	—	—
† 006N005W34F001	343358117232801	2,918	—	—	03/22/00	331.54		—	2,586.46	04/01/98	330.41	—	-1.13
† 006N006W06Q005	343804117330301	2,870	—	—	03/09/00	158.94		—	2,711.06	03/28/98	169.06	—	10.12
† 006N006W13R001	343607117271201	2,817	—	—	03/23/00	54.99		—	2,762.01	—	—	—	—
† 006N006W13R002	343607117271202	2,817	—	—	03/23/00	55.39		—	2,761.61	—	—	—	—
† 006N006W21J002	343534117303001	2,886	200	110–200	04/13/00	130.33		—	2,755.67	04/10/98	128.17	—	-2.16
† 006N006W21L002	343532117305902	2,895	—	—	04/26/00	92.34		—	2,802.66	04/7/98	93.38	—	1.04
† 006N006W30M001	343435117333301	2,992	305	180–290	04/27/00	122.32		S	2,869.68	—	—	—	—
† 006N007W10B001	343738117360801	2,849	—	—	03/09/00	235.61		—	2,613.39	—	—	—	—
† 006N007W10L001	343713117361601	2,864	—	—	03/09/00	40.35		—	2,823.65	—	—	—	—
† 006N007W10P002	343712117361701	2,864	320	70–320	03/23/00	40.22	*	—	2,823.78	04/10/98	38.96	—	-1.26
† 006N007W12M001	343725117343801	2,848	313	—	03/09/00	244.03		—	2,603.97	—	—	—	—
† 006N007W12M002	343718117343701	2,851	—	—	03/09/00	213.40		Z	2,637.60	—	—	—	—
† 006N007W13K001	343627117335401	2,878	314	174–314	04/27/00	181.14		R	2,696.86	—	—	—	—
† 006N007W13L001	343632117342101	2,874	—	—	04/23/00	30.60		—	2,843.40	10/13/98	30.95	—	.35
† 006N007W14Q003	343621117345501	2,887	570	—	04/26/00	308.93		R	2,578.07	—	—	—	—
† 006N007W15C004	343653117362001	2,878	80	40–80	03/09/00	43.48		R	2,834.52	—	—	—	—
† 006N007W15F001	343642117362701	2,885	160	35–160	03/09/00	50.15		P	2,834.85	—	—	—	—
† 006N007W15N001	343614117363301	2,905	—	—	03/09/00	61.72		—	2,843.28	—	—	—	—
† 006N007W16K001	343632117370501	2,794	—	—	03/09/00	64.62		—	2,729.38	—	—	—	—
† 006N007W16N002	343610117374401	2,909	120	—	03/09/00	92.06		P	2,816.94	—	—	—	—
† 006N007W17K001	343623117381201	2,901	260	130–260	04/25/00	154.98		P	2,746.02	—	—	—	—
† 006N007W17L001	343623117382301	2,900	200	80–200	04/25/00	135.14		R	2,764.86	—	—	—	—
† 006N007W17N001	343616117384501	2,905	113	107–113	04/25/00	100.76		—	2,804.24	—	—	—	—
† 006N007W20C002	343607117382501	2,911	200	80–200	04/25/00	113.49		R	2,797.51	—	—	—	—

See footnotes at end of table.

Table 1. Well-construction information and comparison between selected 1998 and 2000 water levels for the Mojave River and the Morongo ground-water basins, in the southwestern mojave Desert, San Bernardino County, California—Continued

State well No.	USGS Identification No.	Altitude of land surface (ft above sea level)	Well depth (ft)	Original screened or perforated interval (ft)	2000				1998			Water-level changes 1998–2000 (ft)
					Water-level measurement date	Depth to water (ft below)	Well notes	Altitude of water table (ft above sea level)	Water-level measurement date	Depth to water (ft below/above (+) land surface) (ft)	Well notes	
† 006N007W20D001	343606117385201	2,911	150	80–135	03/09/00	96.86	—	2,814.14	—	—	—	—
† 006N007W20K001	343530117381501	2,945	160	80–140	04/25/00	110.07	R	2,834.93	—	—	—	—
† 006N007W21A003	343605117365301	2,910	150	60–150	04/25/00	71.51	R	2,838.49	—	—	—	—
† 006N007W21A005	343603117364901	2,911	150	0–150	04/26/00	75.88	R	2,835.12	—	—	—	—
† 006N007W21E002	343554117374801	2,920	140	80–135	04/26/00	93.95	R	2,826.05	—	—	—	—
† 006N007W21J001	343541117364801	2,930	460	118–460	03/10/00	84.27	P	2,845.73	—	—	—	—
† 006N007W21N001	343518117374901	2,970	—	—	03/08/00	—	O	—	—	—	—	—
† 006N007W22B001	343606117361101	2,910	145	—	03/08/00	59.33	—	—	—	—	—	—
† 006N007W22D003	343555117363901	2,922	110	0–110	03/10/00	74.22	P	2,847.78	—	—	—	—
† 006N007W22L001	343539117361801	2,935	320	70–90	03/08/00	81.45	—	2,853.55	—	—	—	—
† 006N007W23C003	343555117351202	2,913	700	280–700	04/26/00	327.40	R	2,585.60	—	—	—	—
† 006N007W24A001	343559117335001	2,905	150	20–150	04/26/00	54.95	—	2,850.05	—	—	—	—
† 006N007W24D001	343603117342501	2,900	100	—	03/08/00	50.25	—	2,849.75	—	—	—	—
† 006N007W25Q001	343431117340201	2,993	222	—	03/08/00	—	O	—	—	—	—	—
† 006N007W26N002	343424117354101	3,005	250	100–250	03/08/00	122.01	—	2,882.99	—	—	—	—
† 006N007W27K001	343444117360101	2,990	325	130–325	03/08/00	112.62	—	2,877.38	—	—	—	—
† 006N007W28F002	343449117371501	2,992	196	—	04/25/00	118.93	—	2,873.07	—	—	—	—
† 006N008W23D001	343602117420401	2,872	110	—	03/08/00	45.90	—	2,826.10	—	—	—	—
† 006N008W36R001	343332117401301	3,055	—	—	03/08/00	175.22	—	2,879.78	—	—	—	—
† 006N009W04H002	343824117493801	2,595	—	—	03/28/00	180.63	—	2,414.37	03/19/98	183.29	—	2.66
† 006N009W11N001	343703117482801	2,666	295	—	03/28/00	173.87	—	2,492.13	—	—	—	—
† 006N009W33C001	343408117500701	2,823	738	180–738	04/05/00	144.94	—	2,678.06	03/20/98	97.60	—	-47.34
007N004W06F004[1]	344334117202501	2,450	25	13–25	03/15/00	3.96 *	—	2,446.04	—	—	—	—
007N004W06F005[1]	344334117202701	2,450	99	89–99	03/15/00	9.79 *	—	2,440.21	—	—	—	—
† 007N004W06F006[1]	344334117203001	2,450	20	10–20	03/15/00	0.12 *	—	2,449.88	—	—	—	—
† 007N004W06N001	344318117204701	2,490	—	—	03/22/00	35.50 *	—	2,454.50	04/07/98	33.67 *	—	-1.83
† 007N004W07B003	344259117201001	2,470	—	—	03/22/00	22.66 *	S	2,447.34	—	—	—	—

See footnotes at end of table.

Table 1. Well-construction information and comparison between selected 1998 and 2000 water levels for the Mojave River and the Morongo ground-water basins, in the southwestern mojave Desert, San Bernardino County, California—Continued

State well No.	USGS Identification No.	Altitude of land surface (ft above sea level)	Well depth (ft)	Original screened or perforated interval (ft)	2000				1998			Water-level changes 1998–2000 (ft)
					Water-level measurement date	Depth to water (ft below)	Well notes	Altitude of water table (ft above sea level)	Water-level measurement date	Depth to water (ft below/above (+) land surface) (ft)	Well notes	
† 007N004W07K002	344230117200501	2,490	200	80–180	04/11/00	41.43	—	2,448.57	04/08/98	40.59	—	-0.84
007N004W19Q005[1]	344030117201101	2,590	594	534–574	03/27/00	67.97 *	—	2,522.03	03/27/98	67.27 *	—	-.70
007N004W19Q006[1]	344030117201102	2,590	269	256–276	03/27/00	80.55 *	—	2,509.45	03/27/98	79.63 *	—	-.92
† 007N004W19Q007[1]	344030117201103	2,590	148	130–150	03/27/00	87.49 *	—	2,502.51	03/27/98	88.10 *	—	.61
† 007N004W30C001	344026117202301	2,561	73	—	—	60.70	—	2,500.30	—	—	—	—
† 007N004W30E001	344004117204301	2,535	—	—	03/22/00	30.08	—	2,504.92	—	—	—	—
† 007N004W31D003	343934117204801	2,543	41.6	—	03/22/00	28.09	V	2,514.91	—	—	—	—
† 007N004W31E003	343918117203301	2,575	200	—	03/23/00	48.35	—	2,526.65	04/02/98	47.70	—	-.65
† 007N004W31L002	343858117202801	2,620	160	—	03/22/00	101.20 *	—	2,518.80	04/07/98	101.24 *	—	.04
007N005W13H001[1]	344159117205701	2,475	86	90–100	03/15/00	14.71 *	—	2,460.19	03/12/98	12.76 *	—	-1.95
† 007N005W13H002[1]	344159117205702	2,475	24	15–25	03/15/00	1.61 *	—	2,473.29	03/12/98	1.23 *	—	-.38
007N005W13H003[1]	344200117205001	2,475	25	15–25	03/15/00	3.05 *	—	2,471.45	03/12/98	2.01 *	—	-1.04
007N005W23R001[1]	344036117215201	2,725	740	700–740	03/27/00	282.11 *	—	2,442.89	03/27/98	281.30 *	—	-.81
007N005W23R002[1]	344036117215202	2,725	510	490–510	03/27/00	282.86 *	—	2,442.14	03/27/98	281.81 *	—	-1.05
† 007N005W23R003[1]	344036117215203	2,725	306	295–315	03/27/00	240.81 *	—	2,484.19	03/27/98	238.21 *	—	-2.60
007N005W24R005[1]	344028117210601	2,505	550	510–550	03/27/00	69.74 *	—	2,435.26	03/27/98	68.45 *	—	-1.29
007N005W24R006[1]	344028117210602	2,505	285	265–285	03/27/00	67.61 *	—	2,437.39	03/27/98	66.23 *	—	-1.38
007N005W24R007[1]	344028117210603	2,505	144	130–150	03/27/00	30.11 *	—	2,474.89	03/27/98	26.91 *	—	-3.20
† 007N005W24R008[1]	344028117210604	2,505	50	45–50	03/27/00	10.49 *	—	2,494.51	03/11/98	6.33	—	-4.16
† 007N005W24R010	344030117205801	2,510	—	—	03/23/00	7.61 *	—	2,502.39	04/07/98	5.84 *	—	-1.77
† 007N005W25K006	343955117211201	2,523	240	—	03/22/00	8.49	—	2,514.51	04/02/98	7.04	—	-1.45
† 007N005W25R004	343945117205801	2,530	85	—	03/23/00	10.30 *	—	2,519.70	—	—	—	—
† 007N005W25R005	343946117205001	2,536	31.5	—	03/22/00	21.83	V	2,514.17	04/09/98	21.39	S	—
† 007N007W21C001	344114117372101	2,870	—	—	03/08/00	89.61	—	2,780.39	03/28/98	87.13	—	-2.48
† 007N007W21K001	344054117370601	2,862	—	—	03/08/00	96.50	—	2,765.50	03/28/98	96.23	—	-.27
† 008N003W04A007	344859117113001	2,275	50	—	03/23/00	14.60 *	—	2,260.40	04/07/98	12.35 *	—	-2.25
† 008N003W19Q001	344547117134201	2,514	—	—	03/21/00	172.91	—	2,341.09	03/17/98	182.22	—	9.31

See footnotes at end of table.

Table 1. Well-construction information and comparison between selected 1998 and 2000 water levels for the Mojave River and the Morongo ground-water basins, in the southwestern mojave Desert, San Bernardino County, California—Continued

State well No.	USGS Identification No.	Altitude of land surface (ft above sea level)	Well depth (ft)	Original screened or perforated interval (ft)	2000				1998			Water-level changes 1998–2000 (ft)
					Water-level measurement date	Depth to water (ft below)	Well notes	Altitude of water table (ft above sea level)	Water-level measurement date	Depth to water (ft below/above (+) land surface) (ft)	Well notes	
† 008N004W09B001	344817117180201	2,464	300	100–200	03/21/00	196.88	R	2,267.12	—	—	—	—
† 008N004W09R001	344733117173801	2,367	200	—	03/21/00	77.62	R	2,289.38	—	—	—	—
† 008N004W10Q001	344728117165001	2,355	62	14–59	03/23/00	19.58	* —	2,335.42	04/07/98	12.79	* —	-6.79
† 008N004W11D006	344807117163001	2,375	—	—	04/27/00	29.50	—	2,345.50	—	—	—	—
† 008N004W12C001	344818117151501	2,350	150	90–150	03/23/00	39.48	* —	2,310.52	04/07/98	34.60	* —	-4.88
† 008N004W12Q001	344728117145601	2,329	49	—	03/23/00	18.51	* —	2,310.49	04/07/98	19.71	* —	1.20
008N004W19G001[1]	344611117200801	2,458	316	295–315	03/27/00	67.96	* —	2,390.04	03/27/98	70.23	* —	2.27
008N004W19G002[1]	344611117200802	2,458	239	220–240	03/27/00	67.88	* —	2,390.12	03/27/98	70.25	* —	2.37
008N004W19G003[1]	344611117200803	2,458	171	150–170	03/27/00	67.04	* —	2,390.96	03/27/98	69.59	* —	2.55
† 008N004W19G004[1]	344611117200804	2,458	101	80–100	03/27/00	67.26	* —	2,390.74	03/27/98	69.85	* —	2.59
† 008N004W20P002	344549117192201	2,405	115	—	03/22/00	16.53	* —	2,388.17	04/07/98	15.18	* —	-1.35
008N004W20Q007[1]	344546117190101	2,397	452	440–460	03/27/00	7.33	* —	2,389.97	03/27/98	6.70	* —	-.63
008N004W20Q008[1]	344546117190102	2,397	351	330–350	03/27/00	6.99	* —	2,390.31	03/27/98	6.40	* —	-.59
008N004W20Q009[1]	344546117190103	2,397	271	250–270	03/27/00	6.32	* —	2,390.98	03/27/98	5.63	* —	-.69
008N004W20Q010[1]	344546117190104	2,397	160	140–160	03/27/00	6.24	* —	2,391.06	03/27/98	5.63	* —	-.61
† 008N004W20Q011[1]	344546117190105	2,397	52	30–50	03/27/00	7.46	* —	2,389.84	03/27/98	6.68	* —	-.78
008N004W20Q012[1]	344546117185901	2,397	139	99.5–139.5	03/27/00	6.11	* —	2,391.20	03/27/98	5.52	* —	-.59
008N004W21M001[1]	344609117182901	2,389	370	350–370	03/27/00	13.92	* —	2,375.04	03/27/98	12.24	* —	-1.68
008N004W21M002[1]	344609117182902	2,389	229	210–230	03/27/00	10.65	* —	2,378.31	03/27/98	9.70	* —	-.95
008N004W21M003[1]	344609117182903	2,389	141	120–140	03/27/00	7.64	* —	2,381.32	03/27/98	7.04	* —	-.60
† 008N004W21M004[1]	344609117182904	2,389	41	30–40	03/27/00	11.68	* —	2,377.28	03/27/98	6.42	* —	-5.26
† 008N004W24J002	344557117143701	2,478	360	—	03/22/00	164.94	—	2,313.06	—	—	—	—
008N004W29E003[1]	344524117193401	2,409	309	289–309	03/27/00	18.52	* —	2,390.97	03/02/98	18.75	* —	.23
008N004W29E004[1]	344524117193402	2,409	210	190–210	03/27/00	17.85	* —	2,391.64	03/27/98	17.72	* —	-.13
008N004W29E005[1]	344524117193403	2,409	131	110–130	03/27/00	16.74	* —	2,392.75	03/27/98	16.59	* —	-.15
† 008N004W29E006[1]	344524117193404	2,409	42	30–40	03/27/00	12.75	* —	2,396.74	03/27/98	11.96	* —	-.79
† 008N004W31R001	344401117194701	2,449	59	—	03/22/00	23.89	* —	2,425.11	04/07/98	22.90	* —	-0.99

See footnotes at end of table.

Table 1. Well-construction information and comparison between selected 1998 and 2000 water levels for the Mojave River and the Morongo ground-water basins, in the southwestern mojave Desert, San Bernardino County, California—Continued

State well No.	USGS Identification No.	Altitude of land surface (ft above sea level)	Well depth (ft)	Original screened or perforated interval (ft)	2000				1998			Water-level changes 1998–2000 (ft)
					Water-level measurement date	Depth to water (ft below)	Well notes	Altitude of water table (ft above sea level)	Water-level measurement date	Depth to water (ft below/above (+) land surface) (ft)	Well notes	
† 008N006W09A001	344819117302801	2,765	240	—	03/24/00	—	O	—	—	—	—	—
† 008N006W15J001	344658117293501	2,809	294	—	03/24/00	158.40	—	2,650.60	03/16/98	158.41	—	.01
† 008N006W27H001	344520117293101	2,932	403	383–403	03/24/00	163.22	—	2,768.78	03/16/98	170.81	—	7.59
009N001E04K001[1]	345356116523001	1,965	470	450–470	03/29/00	162.03 *	—	1,802.97	03/31/98	157.03 *	—	-5.00
009N001E04K002[1]	345356116523002	1,965	339	320–340	03/29/00	162.96 *	—	1,802.04	03/26/98	157.41 *	—	-5.55
† 009N001E04K003[1]	345356116523003	1,965	195	175–195	03/29/00	158.73 *	—	1,806.27	03/27/98	153.34 *	—	-5.39
† 009N001E06E001	345413116552201	2,099	480	—	03/23/00	261.02	—	1,837.98	—	—	—	—
† 009N001E10L001	345304116515801	1,960	214	—	—	—	—	—	—	—	—	—
009N001E10Q002[1]	345259116514201	1,948	550	530–550	03/29/00	155.38 *	—	1,792.62	03/26/98	150.31 *	—	-5.07
009N001E10Q003[1]	345259116514202	1,948	344	330–350	03/29/00	156.07 *	—	1,791.93	03/26/98	150.77 *	—	-5.30
† 009N001E10Q004[1]	345259116514203	1,948	200	180–200	03/29/00	156.14 *	—	1,791.86	03/27/98	150.87 *	—	-5.27
† 009N001E15H001	345230116512101	1,960	—	—	03/21/00	146.65 *	—	1,813.35	04/06/98	141.43 *	—	-5.22
† 009N001E15N003	345207116520801	1,970	—	—	03/21/00	165.60 *	—	1,804.40	04/06/98	160.26 *	—	-5.34
009N001E16F001[1]	345224116525701	1,950	410	390–410	03/29/00	139.52 *	—	1,810.48	03/26/98	134.45 *	—	-5.07
009N001E16F002[1]	345224116525702	1,950	340	320–340	03/29/00	139.52 *	—	1,810.48	03/26/98	134.31 *	—	-5.21
009N001E16F003[1]	345224116525703	1,950	245	230–250	03/29/00	139.58 *	—	1,810.42	03/26/98	134.35 *	—	-5.23
† 009N001E16F004[1]	345224116525704	1,950	169	130–150	03/29/00	142.79 *	—	1,807.21	03/26/98	138.07 *	—	-4.72
† 009N001E19J001	345126116543301	2,144	323	180–252	04/19/00	175.41	—	1,968.59	04/15/98	176.92	—	1.51
† 009N001E22B006	345151116515201	1,975	200	—	03/21/00	170.33 *	—	1,804.67	04/06/98	166.50 *	—	-3.83
† 009N001E23J001	345127116502701	1,980	—	—	03/21/00	182.35 *	—	1,797.65	04/06/98	176.68 *	—	-5.67
009N001W04M005[1]	345351116593302	2,070	257	236.6–256.6	05/22/00	39.38 *	—	2,030.62	03/26/98	33.28 *	—	-6.10
009N001W04M006[1]	345351116593303	2,070	181	141.7–161.7	03/29/00	39.41 *	—	2,030.59	03/26/98	33.50 *	—	-5.91
† 009N001W04M007[1]	345351116593304	2,070	102	41.7–81.7	03/29/00	39.13 *	—	2,030.87	03/26/98	33.19 *	—	-5.94
009N001W04R002[1]	345339116584501	2,045	281	261.05–281.05	03/29/00	14.65 *	—	2,030.35	03/26/98	11.78 *	—	-2.87
009N001W04R003[1]	345339116584502	2,045	141	121.25–141.25	03/29/00	16.47 *	—	2,028.53	03/26/98	12.68 *	—	-3.79
† 009N001W04R004[1]	345339116584503	2,045	40	20–40	03/29/00	16.53 *	—	2,028.47	03/26/98	12.95 *	—	-3.58
009N001W09D005[1]	345328116594301	2,094	500	480–500	03/29/00	19.89 *	—	2,074.11	03/26/98	19.71 *	—	-0.18

See footnotes at end of table.

Table 1. Well-construction information and comparison between selected 1998 and 2000 water levels for the Mojave River and the Morongo ground-water basins, in the southwestern mojave Desert, San Bernardino County, California—Continued

State well No.	USGS Identification No.	Altitude of land surface (ft above sea level)	Well depth (ft)	Original screened or perforated interval (ft)	2000				1998			Water-level changes 1998–2000 (ft)
					Water-level measurement date	Depth to water (ft below)	Well notes	Altitude of water table (ft above sea level)	Water-level measurement date	Depth to water (ft below/above (+) land surface) (ft)	Well notes	
009N001W09D006[1]	345328116594302	2,094	301	281.43–301.43	03/29/00	29.93 *	—	2,064.07	03/26/98	28.77 *	—	-1.16
009N001W09D007[1]	345328116594303	2,094	191	170.93–190.93	03/29/00	43.63 *	—	2,050.37	03/26/98	40.64 *	—	-2.99
† 009N001W09D008[1]	345328116594304	2,094	100	60.23–80.23	03/29/00	55.60 *	—	2,038.40	03/26/98	49.54 *	—	-6.06
† 009N001W10E004	345304116584201	2,060	102	99.6–101.6	04/19/00	27.19	—	2,032.81	04/15/98	23.20	—	-3.99
† 009N001W10G006	345314116580401	2,058	107	75–105	10/24/00	14.74	—	2,043.26	—	—	—	—
009N001W10J012[1]	345251116574201	2,034	610	590–610	03/29/00	16.11 *	—	2,017.48	03/26/98	14.80 *	—	-1.31
009N001W10J013[1]	345251116574202	2,034	370	350–370	03/29/00	16.46 *	—	2,017.13	03/26/98	15.55 *	—	-.91
009N001W10J014[1]	345251116574203	2,034	200	180–200	03/29/00	14.81 *	—	2,018.78	03/26/98	13.83 *	—	-.98
† 009N001W10J015[1]	345251116574204	2,034	100	80–100	03/29/00	15.31 *	—	2,018.28	03/26/98	13.45 *	—	-1.86
009N001W11K012[1]	345254116570401	2,022	590	570–590	03/29/00	7.61 *	—	2,014.67	03/26/98	8.08 *	—	.47
009N001W11K013[1]	345254116570402	2,022	315	295–315	03/29/00	11.34 *	—	2,010.94	03/26/98	9.85 *	—	-1.49
009N001W11K014[1]	345254116570403	2,022	180	160–180	03/29/00	9.62 *	—	2,012.66	03/26/98	7.61 *	—	-2.01
† 009N001W11K015[1]	345254116570404	2,022	86	70–90	03/29/00	9.65 *	—	2,012.63	03/26/98	7.64 *	—	-2.01
† 009N001W11M011	345254116572404	2,015	75	35–75	04/19/00	7.29	—	2,007.71	04/15/98	4.87	—	-2.42
† 009N001W11R001[1]	345243116563801	2,032	52	50–52	04/14/00	22.51	—	2,009.67	04/14/98	20.92	—	-1.59
009N001W11R002[1]	345243116563802	2,033	98	100–102	04/13/00	67.52	—	1,965.48	—	—	—	—
009N001W12L002[1]	345251116560601	2,003	452	430–450	03/29/00	13.71 *	—	1,988.95	03/26/98	12.75 *	—	-.96
009N001W12L003[1]	345251116560602	2,003	321	300–320	03/29/00	16.63 *	—	1,986.03	03/26/98	12.91 *	—	-3.72
009N001W12L004[1]	345251116560603	2,002	185	165–185	03/29/00	17.18 *	—	1,984.82	03/26/98	12.39 *	—	-4.79
† 009N001W12L005[1]	345251116560604	2,003	75	60–80	03/29/00	16.33 *	—	1,986.33	03/26/98	11.39 *	—	-4.94
009N001W12N004[1]	345242116562101	2,010	640	620–640	03/29/00	24.40 *	—	1,985.84	03/26/98	20.97	—	-3.43
009N001W12N006[1]	345242116562103	2,010	168	150–170	03/29/00	18.74 *	—	1,991.50	03/26/98	14.00 *	—	-4.74
† 009N001W12N007[1]	345242116562104	2,010	91	60–80	03/29/00	18.34 *	—	1,991.90	03/26/98	13.50 *	—	-4.84
† 009N001W13B002	345228116560001	2,000	110	30–110	04/19/00	21.23	—	1,978.77	04/15/98	16.05	—	-5.18
† 009N001W13B003[1]	345225116555001	1,995	60	45–50	04/12/00	16.39	—	1,978.61	04/14/98	11.42	—	-4.97
009N001W13B004[1]	345225116555002	1,995	120	105–110	04/12/00	16.03	—	1,978.97	04/14/98	11.06	—	-4.97
† 009N001W13H002	345214116554001	2,000	160	65–108	10/24/00	26.10	—	1,973.90	—	—	—	—

See footnotes at end of table.

Table 1. Well-construction information and comparison between selected 1998 and 2000 water levels for the Mojave River and the Morongo ground-water basins, in the southwestern mojave Desert, San Bernardino County, California—Continued

State well No.	USGS Identification No.	Altitude of land surface (ft above sea level)	Well depth (ft)	Original screened or perforated interval (ft)	2000				1998			Water-level changes 1998–2000 (ft)
					Water-level measurement date	Depth to water (ft below)	Well notes	Altitude of water table (ft above sea level)	Water-level measurement date	Depth to water (ft below/above (+) land surface) (ft)	Well notes	
009N001W15Q001[1]	345145116575801	2,250	475	472–474	03/23/00	206.75	—	2,043.25	04/01/98	206.87	—	0.12
† 009N001W15Q002[1]	345145116575802	2,250	290	288–290	03/23/00	208.44	—	2,041.56	04/01/98	210.98	—	2.54
† 009N001W27D001	345045116582701	2,480	508.3	—	—	—	—	—	—	—	—	—
009N002E03G006[1]	345416116451601	1,848	600	580–600	03/29/00	114.72 *	—	1,733.28	03/26/98	109.89 *	—	-4.83
009N002E03G007[1]	345416116451602	1,848	490	470–490	03/29/00	114.68 *	—	1,733.32	03/26/98	109.77 *	—	-4.91
009N002E03G008[1]	345416116451603	1,848	302	280–300	03/29/00	112.82 *	—	1,735.18	03/27/98	107.72 *	—	-5.10
† 009N002E03G009[1]	345416116451604	1,848	141	120–140	03/29/00	111.47 *	—	1,736.53	03/27/98	106.31 *	—	-5.16
009N002E03K005[1]	345404116451801	1,853	650	630–650	03/29/00	62.55 *	—	1,790.45	03/26/98	56.96 *	—	-5.59
009N002E03K006[1]	345404116451802	1,853	510	490–510	03/29/00	61.86 *	—	1,791.14	03/26/98	56.61 *	—	-5.25
009N002E03K007[1]	345404116451803	1,853	340	320–340	03/29/00	61.45 *	—	1,791.55	03/26/98	56.25 *	—	-5.20
009N002E03K008[1]	345404116451804	1,853	206	190–210	03/29/00	60.32 *	—	1,792.68	03/26/98	55.26 *	—	-5.06
† 009N002E03K009[1]	345404116451805	1,853	65	45–65	03/29/00	58.65 *	—	1,794.35	03/26/98	53.89 *	—	-4.76
† 009N002E07Q001	345249116483401	1,931	360	100–360	04/13/00	147.09	P	1,783.91	—	—	—	—
† 009N002E07Q003	343610117374401	2,909	120	80–120	03/09/00	92.06	P	2,816.94	—	—	—	—
† 009N002E07Q003	345248116483301	1,930	300	120–300	04/19/00	141.46	S	1,788.54	—	—	—	—
† 009N002E10E001	345326116455901	1,890	225	99–225	03/21/00	103.39 *	—	1,786.61	04/06/98	96.36 *	—	-7.03
† 009N002E11C003	345334116442801	1,878	190	50–190	03/20/00	140.15 *	—	1,737.85	—	—	—	—
† 009N002E11H003	345316116441003	1,865	160	60–160	04/19/00	87.12	R	1,777.88	—	—	—	—
† 009N002E11H004	345318116441201	1,865	160	60–160	04/19/00	106.88	S	1,758.12	—	—	—	—
† 009N002E12A004	345330116425501	1,845	200	80–200	03/20/00	119.97 *	—	1,725.03	04/06/98	115.57 *	—	-4.40
† 009N002E12F004	345314116433701	1,855	220	120–220	03/17/00	128.85	—	1,726.15	03/19/98	124.20	—	-4.65
† 009N002E20K001	345127116473201	1,918	388	242	04/19/00	131.65	—	1,786.35	04/16/98	125.48	—	-6.17
† 009N002W01A002	345416117014601	2,105	110	60–110	03/21/00	52.94 *	—	2,052.06	04/06/98	48.41 *	—	-4.53
† 009N002W02B005	345421117031101	2,130	—	—	03/21/00	57.17 *	—	2,072.83	04/06/98	53.52 *	—	-3.65
† 009N002W02E001	345407117034701	2,140	159	140–160	03/29/00	55.46 *	—	2,084.54	03/26/98	51.26 *	—	-4.20
† 009N002W03A001[1]	345421117035301	2,139	120	100–120	03/29/00	57.91 *	—	2,081.09	03/26/98	60.00 *	—	2.09
009N002W03E001[1]	345406117044001	2,150	226	210–230	03/29/00	54.06 *	—	2,095.94	03/26/98	51.48 *	—	-2.58

See footnotes at end of table.

Table 1. Well-construction information and comparison between selected 1998 and 2000 water levels for the Mojave River and the Morongo ground-water basins, in the southwestern mojave Desert, San Bernardino County, California—Continued

State well No.	USGS Identification No.	Altitude of land surface (ft above sea level)	Well depth (ft)	Original screened or perforated interval (ft)	2000				1998				Water-level changes 1998–2000 (ft)
					Water-level measurement date	Depth to water (ft below)	Well notes	Altitude of water table (ft above sea level)	Water-level measurement date	Depth to water (ft below/above (+) land surface) (ft)	Well notes		
009N002W03E002[1]	345406117044002	2,150	184	165–185	03/29/00	54.13 *	—	2,095.87	03/26/98	51.54 *	—		-2.59
† 009N002W03E003[1]	345406117044003	2,150	121	100–120	03/29/00	54.43 *	—	2,095.57	03/26/98	50.73 *	—		-3.70
† 009N002W04Q010	345344117052601	2,165	150	—	03/23/00	52.46 *	—	2,112.54	04/06/98	63.58 *	—		11.12
† 009N002W05N007	345339117065001	2,184	195	80–195	04/11/00	64.15	—	2,119.85	—	—	—		—
† 009N002W05N008	345344117065901	2,184	195	80–195	03/23/00	61.90 *	—	2,122.10	04/06/98	66.58 *	—		4.68
† 009N002W06A004	345422117071001	2,181	300	80–300	04/12/00	64.32	—	2,116.68	—	—	—		—
† 009N002W06H006	345402117070401	2,180	98	95–99	03/29/00	63.15 *	S	2,116.85	—	—	—		—
† 009N002W06L008	345350117074601	2,190	—	—	03/29/00	59.60 *	—	2,130.40	04/06/98	81.54 *	—		21.94
009N002W06L011[1]	345350117074001	2,185	199	190–200	03/28/00	58.06 *	—	2,126.94	03/26/98	63.51 *	—		5.45
009N002W06L012[1]	345350117074002	2,185	155	135–155	03/28/00	55.73 *	—	2,129.27	03/26/98	61.40 *	—		5.67
† 009N002W06L013[1]	345350117074003	2,185	96	75–95	03/28/00	55.28 *	—	2,129.72	03/26/98	60.60 *	—		5.32
† 009N002W06M007	345448117075101	2,189	97	77–97	03/28/00	58.10 *	—	2,130.90	03/26/98	63.49 *	—		5.39
† 009N002W06P002	345345117074901	2,185	92	74–94	03/28/00	52.64 *	—	2,132.36	03/26/98	57.98 *	—		5.34
† 009N002W19B001	345147117071801	2,255	300	—	—	—	—	—	—	—	—		—
† 009N002W19B002	345148117072401	2,260	187	—	04/24/00	113.18	—	2,146.82	04/01/98	112.02	—		-1.16
† 009N002W21R001	345104117045701	2,380	—	—	04/12/00	233.59	—	2,146.41	04/11/98	235.45	—		1.86
† 009N003E03D001	34529116393501	1,823	73	—	—	—	—	—	—	—	—		—
† 009N003E05H001	345409116404901	1,825	200	60–200	03/20/00	106.50 *	—	1,718.50	04/06/98	101.46 *	—		-5.04
† 009N003E15E004	345224116393601	1,828	150	60–150	04/20/00	116.59	—	1,711.41	—	—	—		—
009N003E22R004[1]	345104116384001	1,825	610	590–610	03/29/00	114.72 *	—	1,710.28	03/26/98	110.14 *	—		-4.58
009N003E22R005[1]	345104116384002	1,825	510	490–510	03/29/00	114.65 *	—	1,710.35	03/26/98	110.03 *	—		-4.62
009N003E22R006[1]	345104116384003	1,825	288	270–290	03/29/00	116.80 *	—	1,708.20	03/26/98	114.96 *	—		-1.84
† 009N003E22R007[1]	345104116384004	1,825	129	90–110	03/29/00	113.09 *	—	1,711.91	03/26/98	109.44 *	—		-3.65
† 009N003E29D001	345052116413601	1,855	197	167–197	03/17/00	67.66	—	1,787.34	03/18/98	63.20	—		-4.46
† 009N003E34D001	345011116394201	1,831	36.2	—	—	—	—	—	—	—	—		—
† 009N003E35D001	345004116383201	1,819	137	—	03/17/00	105.1	—	1,713.9	—	—	—		—
† 009N003E35D003	345001116381701	1,822	219	60–219	04/19/00	102.88	—	1,719.12	—	—	—		—

See footnotes at end of table.

Table 1. Well-construction information and comparison between selected 1998 and 2000 water levels for the Mojave River and the Morongo ground-water basins, in the southwestern mojave Desert, San Bernardino County, California—Continued

State well No.	USGS Identification No.	Altitude of land surface (ft above sea level)	Well depth (ft)	Original screened or perforated interval (ft)	2000					1998				Water-level changes 1998–2000 (ft)
					Water-level measurement date	Depth to water (ft below)		Well notes	Altitude of water table (ft above sea level)	Water-level measurement date	Depth to water (ft below/above (+) land surface) (ft)		Well notes	
009N003W01R005[1]	345341117082101	2,195	328	310–330	03/28/00	67.15	*	—	2,127.85	03/02/98	71.42	*	—	4.27
009N003W01R006[1]	345341117082102	2,195	210	190–210	03/28/00	66.12	*	—	2,128.88	03/02/98	70.43	*	—	4.31
† 009N003W01R007[1]	345341117082103	2,195	118	110–130	03/28/00	63.30	*	—	2,131.70	03/02/98	69.22	*	—	5.92
† 009N003W11C001	345333117095601	2,220	200	120–200	03/22/00	72.04		—	2,147.96	04/01/98	73.22		—	1.18
† 009N003W13R001	345153117080701	2,245	212	—	04/12/00	93.28		—	2,151.72	04/15/98	97.63		—	4.35
† 009N003W15A001	345234117101701	2,215	—	—	03/22/00	49.63	*	—	2,165.37	04/07/98	57.80	*	—	8.17
† 009N003W21K001	345119117113601	2,246	150	50–150	04/19/00	58.34		S	2,187.66	—	—		—	—
† 009N003W22F001	345143117104701	2,225	200	—	03/22/00	43.84	*	—	2,181.16	04/07/98	18.65	*	—	-25.19
† 009N003W22J004	345112117101901	2,240	205	70–205	03/23/00	51.95	*	—	2,188.05	04/07/98	43.29	*	—	-8.66
† 009N003W23C001	345146117094301	2,223	77	57–77	04/24/00	52.60	*	—	2,174.08	04/23/98	51.20	*	—	-1.40
009N003W23F001[1]	345124117094301	2,227	585	565–585	03/27/00	52.86	*	—	2,174.14	03/26/98	64.34	*	—	11.48
009N003W23F002[1]	345124117094302	2,227	306	290–310	03/27/00	48.45	*	—	2,178.55	03/26/98	59.68	*	—	11.23
009N003W23F003[1]	345124117094303	2,227	201	180–200	03/27/00	47.79	*	—	2,179.21	03/26/98	59.36	*	—	11.57
† 009N003W23F004[1]	345124117094304	2,227	90	70–90	03/27/00	47.47	*	—	2,179.53	03/26/98	59.56	*	—	12.09
† 009N003W23H001	345126117091101	2,236	95	73–93	03/27/00	67.03	*	—	2,168.97	—	—		—	—
† 009N003W23L001	345123117094301	2,227	67	60–65	03/27/00	48.61	*	—	2,178.39	03/26/98	61.01	*	—	12.40
† 009N003W24J004	345117117082301	2,310	300	—	03/23/00	163.33	*	—	2,146.67	—	—		—	—
† 009N004W08D001	345332117194201	2,355	—	—	03/21/00	—		D	—	—	—		—	—
† 009N004W34D001	344959117173101	2,483	620	—	04/27/00	396.72		—	2,086.28	—	—		—	—
† 009N004W34M001	344933117173001	2,482	605	—	04/27/00	234.88		—	2,247.12	—	—		—	—
† 009N009W27H002	345051117485001	2,280	171	100–200	03/23/00	99.51		—	2,180.26	03/18/98	98.41		—	-1.10
009N009W28A001[1]	345056117501401	2,271	755	735–745	03/30/00	96.48		—	2,174.60	03/04/98	95.21		—	-1.27
009N009W28A002[1]	345056117501402	2,271	524	494–514	03/30/00	95.54		—	2,175.54	04/02/98	94.54		—	-1.00
009N009W28A003[1]	345056117501403	2,271	350	320–340	03/30/00	93.25		—	2,177.83	04/02/98	92.26		—	-.99
009N009W28A004[1]	345056117501404	2,271	220	195–215	03/30/00	92.60		—	2,178.48	03/04/98	91.44		—	-1.16
† 009N009W28A005[1]	345056117501405	2,271	65	28–48	03/30/00	41.78		—	2,229.30	03/04/98	41.66		—	-.12
010N001E20M001[1]	345631116541401	2,090	350	340–350	03/29/00	261.66	*	—	1,828.34	03/26/98	258.39	*	—	-3.27

See footnotes at end of table.

Table 1. Well-construction information and comparison between selected 1998 and 2000 water levels for the Mojave River and the Morongo ground-water basins, in the southwestern mojave Desert, San Bernardino County, California—Continued

State well No.	USGS Identification No.	Altitude of land surface (ft above sea level)	Well depth (ft)	Original screened or perforated interval (ft)	2000					1998				Water-level changes 1998–2000 (ft)
					Water-level measurement date	Depth to water (ft below)		Well notes	Altitude of water table (ft above sea level)	Water-level measurement date	Depth to water (ft below/above (+) land surface) (ft)		Well notes	
† 010N001E20M002[1]	345631116541402	2,090	294	265–285	03/29/00	261.66	*	—	1,828.34	03/24/98	257.85		—	-3.81
† 010N001E27C001	345615116515801	2,085	600	200–400	04/25/00	261.65		—	1,823.35	—	—		—	—
† 010N001E28J008	345542116522401	1,972	255	—	04/25/00	154.05		—	1,817.95	—	—		—	—
† 010N001W32F012	345448117003301	2,085	190	—	03/21/00	46.66	*	—	2,038.34	04/06/98	43.24	*	—	-3.42
† 010N001W32Q004	345427117000701	2,080	139	40–139	03/21/00	41.70	*	—	2,038.30	04/06/98	35.83	*	—	-5.87
† 010N001W33L003	345443116591701	2,090	120	50–120	03/21/00	55.62	*	—	2,034.38	04/06/98	49.82	*	—	-5.80
† 010N002E32P001	345432116474201	1,905	—	—	03/21/00	112.08	*	—	1,792.92	04/06/98	108.76	*	—	-3.32
† 010N002E35A001	345516116440601	1,875	207	100–200	03/21/00	141.04	*	—	1,733.96	04/06/98	136.01	*	—	-5.03
† 010N002E35M002	345453116444501	1,875	225	—	03/20/00	138.17	*	—	1,736.83	04/06/98	133.18	*	—	-4.99
† 010N002W16N001	345703117055101	2,230	238	195–235	04/12/00	131.17		—	2,098.83	04/11/98	131.19		—	.02
† 010N002W31D001	345518117080301	2,175	—	—	03/21/00	65.96		—	2,109.04	03/31/98	66.96		—	1.00
† 010N002W31J001	345441117070501	2,175	122	—	03/22/00	60.12		—	2,114.88	—	—		—	—
† 010N002W33R016	345426117050801	2,159	150	—	10/25/00	61.07		—	2,097.93	—	—		—	—
† 010N003E04E001	345928116403301	1,791	—	—	03/17/00	95.42		—	1,695.58	03/20/98	96.08		—	.66
† 010N003E07A001	345851116414901	1,802	124	—	03/23/00	102.33		—	1,699.67	03/24/98	103.45		—	1.12
† 010N003E07R001	345801116414701	1,819	234	—	04/20/00	116.18		—	1,702.82	03/24/98	114.63		—	-1.55
† 010N003E08A001	345851116404301	1,802	180	—	03/23/00	108.50		—	1,693.50	03/24/98	109.36		—	.86
† 010N003E12F001	345836116370401	1,777	—	—	04/20/00	108.43		—	1,668.57	03/20/98	108.32		—	-.11
† 010N003E14L004	345727116381601	1,790	—	—	03/20/00	118.59	*	—	1,671.41	03/25/98	112.25		—	-6.34
† 010N003E15Q001	345709116390501	1,808	165	—	04/20/00	123.37		—	1,684.63	04/15/98	120.40		—	-2.97
† 010N003E15Q002	345710116385601	1,800	260	60–260	03/20/00	121.29	*	—	1,678.71	03/25/98	116.77		—	-4.52
† 010N003E25A002	345610116364601	1,715	146	—	03/17/00	14.92		—	1,700.08	03/25/98	16.23		—	1.31
† 010N003E26H001	345549116373701	1,730	25	14.7–24.7	05/22/00	—	*	D	—	—	—		—	—
† 010N003E26K001	345539116375801	1,751	100	—	04/12/00	37.68		—	1,713.32	—	—		—	—
† 010N003E26Q001	345530116380201	1,770	—	—	03/17/00	56.35		—	1,713.65	03/25/98	52.09		—	-4.26
010N003E27J001[1]	345542116383901	1,750	570	550–570	03/29/00	27.97	*	—	1,722.03	03/26/98	23.25		—	-4.72
010N003E27J002[1]	345542116383902	1,750	367	350–370	03/29/00	31.46	*	—	1,718.54	03/26/98	26.87		—	-4.59

See footnotes at end of table.

Table 1. Well-construction information and comparison between selected 1998 and 2000 water levels for the Mojave River and the Morongo ground-water basins, in the southwestern mojave Desert, San Bernardino County, California—Continued

State well No.	USGS Identification No.	Altitude of land surface (ft above sea level)	Well depth (ft)	Original screened or perforated interval (ft)	2000					1998			Water-level changes 1998–2000 (ft)
					Water-level measurement date	Depth to water (ft below)		Well notes	Altitude of water table (ft above sea level)	Water-level measurement date	Depth to water (ft below/above (+) land surface) (ft)	Well notes	
010N003E27J003[1]	345542116383903	1,750	256	235–255	03/29/00	41.85	*	—	1,708.15	03/26/98	36.60	—	-5.25
010N003E27J004[1]	345542116383904	1,750	90	70–90	03/29/00	40.22	*	—	1,709.78	03/26/98	37.04	—	-3.18
010N003E27J005[1]	345542116383905	1,750	45	35-45	03/29/00	38.83	*	—	1,711.17	03/26/98	34.06	—	-4.77
† 010N003E27J005[1]	345542116383905	1,750	45	35–45	02/28/00	38.58	*	—	1,711.42	—	—	—	—
† 010N003E28J001	345538116395501	1,810	207	100–207	03/20/00	99.58	*	—	1,710.42	04/02/98	87.65	—	-11.93
† 010N003E28N003	345535116404301	1,820	95	—	03/20/00	—	*	D	—	—	—	—	—
† 010N003E33H004	345503116394401	1,775	160	—	03/20/00	59.55	*	—	1,715.45	04/02/98	54.42	—	-5.13
† 010N003E34L002	345457116391901	1,797	96	—	03/20/00	82.47	*	—	1,714.53	04/02/98	77.49	—	-4.98
† 010N003E35L001	345456116381601	1,800	—	—	03/20/00	90.14	*	—	1,709.86	04/02/98	86.60	—	-3.54
† 010N003E36A001	345516116363801	1,780	—	—	03/17/00	73.31		—	1,706.69	03/25/98	70.47	—	-2.84
† 010N003W04H002	345924117111901	2,100	—	—	03/22/00	77.18		—	2,022.82	03/16/98	77.18	—	.00
† 010N003W11L005	345822117095401	2,130	225	—	03/22/00	64.38		—	2,065.62	03/17/98	63.69	—	-.69
† 010N003W11M004	345816117101301	2,133	405	—	04/24/00	67.13		—	2,065.87	03/18/98	66.28	—	-.85
† 010N003W25E006	345554117090901	2,168	200	80–200	03/22/00	84.15		—	2,083.85	03/17/98	90.18	—	6.03
† 010N003W26L002	345539117094301	2,173	—	—	03/21/00	90.56		—	2,082.44	—	—	—	—
† 010N003W27F001	345546117104601	2,169	130	80–130	04/11/00	90.79		—	2,078.21	04/11/98	91.43	—	.64
† 010N003W28M001	345542117121201	2,176	217	—	04/11/00	191.89		—	1,984.11	03/17/98	75.74	R	—
† 010N003W36G002	345454117083501	2,182	—	—	03/21/00	69.08		—	2,112.92	—	—	—	—
† 010N004E11C001[1]	345841116313801	1,603	120	110–120	03/17/00	22.78		—	1,580.66	02/05/98	22.23	—	-.55
† 010N004E11E001[1]	345828116321101	1,612	130	120–130	03/17/00	15.35		—	1,596.72	02/05/98	15.78	—	.43
† 010N004E11E002[1]	345828116321102	1,612	35	25–35	03/17/00	23.92		—	1,588.15	02/05/98	21.38	—	-2.54
† 010N004E11E003[1]	345833116315901	1,607.69	30	—	03/17/00	—		D	—	02/05/98	—	D	—
† 010N004E11E004[1]	345833116315902	1,608	9	8–9	03/17/00	—		D	—	—	—	—	—
† 010N004E19M002	345632116362701	1,710	149	110–150	03/29/00	9.32	*	—	1,700.68	—	—	—	—
† 010N004E19M004	345630116362101	1,700	19	9.5–19	05/22/00	10.71	*	—	1,689.29	05/07/98	8.34	—	-2.37
† 010N004E20C004	345659116350101	1,730	133.4	—	03/20/00	—		D	—	04/02/98	124.01	R	—
† 010N004E29E003	345601116352101	1,740	—	—	03/20/00	43.54	*	—	1,696.46	04/02/98	44.20	—	0.66

See footnotes at end of table.

Table 1. Well-construction information and comparison between selected 1998 and 2000 water levels for the Mojave River and the Morongo ground-water basins, in the southwestern mojave Desert, San Bernardino County, California—Continued

State well No.	USGS Identification No.	Altitude of land surface (ft above sea level)	Well depth (ft)	Original screened or perforated interval (ft)	2000				1998			Water-level changes 1998–2000 (ft)
					Water-level measurement date	Depth to water (ft below)	Well notes	Altitude of water table (ft above sea level)	Water-level measurement date	Depth to water (ft below/above (+) land surface) (ft)	Well notes	
† 010N004E30F001	345600116360201	1,723	19	—	03/20/00	— *	D	—	—	—	—	—
† 010N004W10D001	345851117172901	2,135	363	—	03/22/00	237.87	—	1,897.13	03/17/98	239.39	—	1.52
† 010N004W33D001	345516117183601	2,279	329	—	03/22/00	273.58	—	2,005.42	03/17/98	271.65	—	-1.93
† 010N009W24A002	345712117463601	2,291	279	—	03/21/00	100.22	—	2,190.38	03/18/98	98.94	—	-1.28
† 011N002E08K004	350332116472001	1,720	48	—	03/16/00	—	F	—	—	—	—	—
† 011N002E26R001	350036116435601	1,778	109	—	04/20/00	55.77	—	1,722.23	04/15/98	55.56	—	-.21
† 011N003E16R001	350217116393301	1,782	—	—	03/23/00	72.94	—	1,709.06	03/24/98	73.11	—	.17
† 011N003E34K001	345957116385501	1,780	—	—	03/17/00	84.88	—	1,695.12	04/02/98	84.45	—	-.43
† 011N003E34L001	350002116390301	1,780	230	—	03/17/00	79.77	—	1,700.23	04/01/98	77.22	—	-2.55
† 011N003E34N001	345939116393301	1,785	—	—	03/17/00	92.58	—	1,692.42	—	—	—	—
† 011N003W16D001	350308117121901	2,077	—	—	03/22/00	82.67	S	1,994.33	—	—	—	—
† 011N003W28R001	350044117112001	2,074	105	—	—	—	—	—	—	—	—	—
† 011N003W28R002	350039117112101	2,073	223	—	03/22/00	66.47	—	2,006.53	03/16/98	64.20	—	-2.27
† 011N003W33N001	350602117122001	2,070	90	—	04/25/00	53.19	—	2,016.81	03/16/98	57.13	—	3.94
† 011N004W29R001	350039117185301	2,045	361	—	04/12/00	156.89	—	1,888.11	04/11/98	164.94	—	8.05
† 011N004W30N001	350050117204901	2,100	500	—	04/12/00	215.56	—	1,884.44	04/13/98	217.09	Z	1.53
† 011N005E16J001	350230116264001	1,639	219	—	03/20/00	209.80 *	—	1,429.00	04/02/98	196.03 *	—	-13.77
† 011N006W17L001	350250117320601	2,556	578	298–618	03/24/00	270.48	—	2,285.52	04/11/98	270.57	—	.09
† 011N006W31A001	350036117324701	2,462	258	188–258	03/24/00	173.68	—	2,288.32	03/20/98	174.53	—	.85
† 011N007W36B001	350035117341001	2,477	330	260–330	03/24/00	168.93	—	2,308.07	03/20/98	170.24	—	1.31
† 011N008W29K001	350113117444801	2,352	485	96–495	03/23/00	187.14	—	2,164.68	03/19/98	184.31	—	-2.83
† 011N009W13D001	350323117471901	2,375	312	96–312	03/23/00	202.73	—	2,172.27	03/18/98	200.43	—	-2.30
† 011N009W24A001	350232117463201	2,349	900	200–870	03/23/00	176.50	—	2,172.50	03/18/98	175.52	—	-.98
† 011N009W36R001	350002117463301	2,312	254	100–132	03/23/00	125.49	—	2,186.46	03/18/98	124.75	—	.74
† 012N002E16A001	350818116460201	2,145	517	—	04/24/00	402.37	—	1,742.63	03/17/98	401.27	—	-1.10
† 012N002E19K001	350657116483201	1,830	—	—	03/16/00	92.36	—	1,737.64	04/02/98	91.86	—	-.50
† 012N002E32C002	350542116474101	1,750	—	—	03/16/00	14.19	—	1,735.81	—	—	—	—

See footnotes at end of table.

Table 1. Well-construction information and comparison between selected 1998 and 2000 water levels for the Mojave River and the Morongo ground-water basins, in the southwestern mojave Desert, San Bernardino County, California—Continued

State well No.	USGS Identification No.	Altitude of land surface (ft above sea level)	Well depth (ft)	Original screened or perforated interval (ft)	2000				1998			Water-level changes 1998–2000 (ft)
					Water-level measurement date	Depth to water (ft below)	Well notes	Altitude of water table (ft above sea level)	Water-level measurement date	Depth to water (ft below/above (+) land surface) (ft)	Well notes	
† 012N002E32G002	350531116472501	1,750	—	—	03/16/00	4.70	—	1,745.30	—	—	—	—
† 012N002E32R001	350502116465901	1,718	62	—	03/16/00	—	F	—	—	—	F	—
† 031S039E24P001	351256117445401	2,925	793	—	09/13/00	422.15	—	2,502.85	03/18/98	420.88	—	-1.27
† 032S039E33L001	350616117475501	2,465	1,400		03/23/00	468.35	—	1,996.65	03/18/98	470.11	—	

†, Well plotted on plate 1.
*, Reported water-level measurement
[1], Multiple-well completion site

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