Regional Water Table (1996) and Water-Level Changes in the Mojave River, the Morongo, and the Fort Irwin Ground-Water Basins, San Bernardino County, California

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U.S. DEPARTMENT OF THE INTERIOR BRUCE BABBITT, Secretary

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CONVERSION FACTORS

Multiply	Ву	To obtain
inch (in.)	25.4	millimeter
foot (ft)	.3048	meter
mile (mi)	1.609	kilometer
square mile (mi ²)	2.590	square kilometer

VERTICAL DATUM AND WELL-NUMBERING SYSTEM

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.

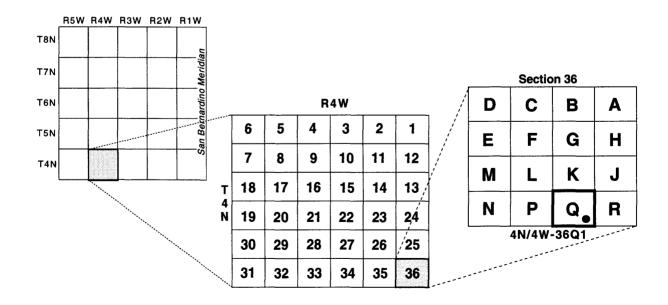
Water Year: A water year is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends. Thus, the water year ending September 30, 1996, is called water year 1996.

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

$$^{\circ}$$
C = ($^{\circ}$ F - 32) / 1.8

WELL-NUMBERING SYSTEM

Wells and springs 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 are referenced to the San Bernardino base line and meridian (S). Well numbers consist of 15 characters and follow the format 004N004W36Q001S. In this report, well numbers are abbreviated and written 4N/4W-36Q1. The following diagram shows how the number for well 4N/4W-36Q1 is derived:



Regional Water Table (1996) and Water-Level Changes in the Mojave River, the Morongo, and the Fort Irwin Ground-Water Basins, San Bernardino County, California

By Gregory O. Mendez and Allen H. Christensen

Abstract

The Mojave River, the Morongo, and the Fort Irwin ground-water basins lie in the southwestern part of the Mojave Desert Region of southern California. These basins supply ground water to local water districts, military bases, and private wells. The rapid growth in population in these basins, which is due, in part, to their proximity to Los Angeles, has increased the demand for water and, therefore, the need to understand the Mojave ground-water systems.

Ground-water conditions for the Mojave River, the Morongo, and the Fort Irwin groundwater basins for 1996 and areas with significant changes in water levels are identified in this report. Water-level data were compiled for 632 wells in the study area during January-September 1996 to define the water-table surface and direction of ground-water movement. These data were used to construct the water-table map included in this report. Also shown on the map are 31 hydrographs that show long-term water-level changes in the study area. Short-term water-level changes were determined and a water-level change map was made by comparing 1996 ground-water conditions to 1990-94 conditions in the Mojave groundwater basin and to 1994 conditions in the Morongo and the Fort Irwin ground-water basins.

In general, ground-water levels and the direction of ground-water movement in the regional aquifer have not changed significantly

since previously published maps (1995). However, the short-term water level did change at specific locations in all three ground-water basins. Water levels in the Mojave River ground-water basin had a maximum rise during the period 1992-96 of 52 feet and a maximum decline of 28. Water levels in the Morongo ground-water basin had a maximum rise of 66 feet and a maximum decline of 57 feet. The Fort Irwin ground-water basins, however, had relatively little change in water level with a maximum rise of 6 feet and a maximum decline of 8 feet. Hydrographs in the regional aquifer system indicate a decline or, in some areas, no change in the water table during the period of record. Water levels in the shallow alluvial aquifer, generally within 1 mile of the Mojave River, fluctuate in response to streamflow. Ground-water levels rise during wet periods, when floodflows in the Mojave River recharge the shallow alluvial aquifer.

INTRODUCTION

The Mojave River, the Morongo, and the Fort Irwin ground-water basins lie in the southwestern part of the Mojave Desert region of southern California (fig. 1). Surface water, including the Mojave River, is intermittent in most of the region; there is no reliable supply of surface water. Local water districts, municipalities, military bases, and private well owners rely almost entirely on local ground water for supply.

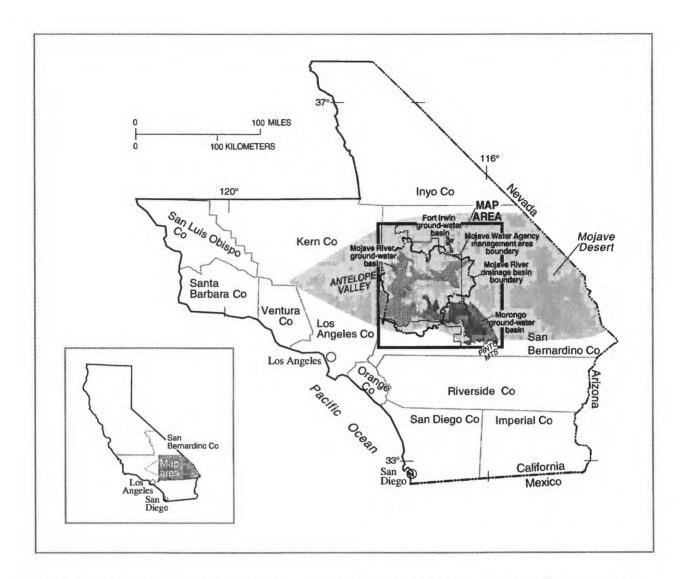


Figure 1. Location of the Mojave River, the Morongo, and the Fort Irwin ground-water basins in the southwestern Mojave Desert, California.

Localized heavy ground-water withdrawal has resulted in overdraft in parts of the basins. To understand and manage the ground-water resources, ground-water conditions periodically need to be documented.

This study was done by the U.S. Geological Survey (USGS), in cooperation with the Mojave Water Agency, the U.S. Marine Corps Air/Ground Combat Center at Twentynine Palms (USMCAGCC), and the Fort Irwin National Training Center (NTC).

Purpose and Scope

The purposes of this study were to document the ground-water conditions for the Mojave River, the Morongo, and the Fort Irwin ground-water basins in 1996 and to identify areas that have had significant

short- or long-term water-level change. In 1996, water-levels were measured in 632 wells (table 1, at back of report) and the data were used to construct a water-table map (pl. 1, in pocket). Historical water-level data were used to construct hydrographs (pl. 1) that show long-term water-level changes in selected wells in the study area. Short-term water-level changes in the Mojave River, the Morongo, and the Fort Irwin ground-water basins were determined by comparing 1996 and 1990–94 data.

Acknowledgments

The authors thank the local water agencies that provided water-level data and access to their wells for this study: the city of Adelanto, the Apple Valley

Ranchos Water Company in Apple Valley, the Baldy Mesa and the Hesperia Water Districts in Hesperia, the Bighorn-Desert View Water Agency in Landers, the Hi-Desert Water District in Yucca Valley, the Joshua Basin Water District in Joshua Tree, the Twentynine Palms Water District in Twentynine Palms, and the Victor Valley Water District in Victorville. The authors also thank the personnel of the USGS for their dedicated assistance and attention to detail in the collection, review, and graphical representation of data.

DESCRIPTION OF THE STUDY AREA

The climate of the Mojave Desert region of southern California is characterized by low precipitation and humidity and temperatures that range from above 100°F in the summer to below 32°F in the winter. Average annual precipitation in the study area ranges from 4 to 6 in., although it can be greater than 20 in. in the San Bernardino and the San Gabriel Mountain Ranges to the south (Rantz, 1969). Recharge to the ground-water system from direct infiltration (areal recharge) of precipitation is minimal.

The area of the Mojave River, the Morongo, and the Fort Irwin ground-water basins is about 2,430 mi² (fig. 1). Although these basins are largely undeveloped, desert communities are expanding rapidly in areas within commuting distance of the Los Angeles metropolitan area. The military bases—the NTC north of Barstow and the USMCAGCC near Twentynine Palms—cover much of the study area (pl. 1). Agricultural development primarily is concentrated along the Mojave River and around the communities of Newberry Springs and Lucerne Valley.

The Mojave River ground-water basin has an area of about 1,400 mi² and extends from the San Bernardino and the San Gabriel Mountains on the south to Afton Canyon on the northeast (pl. 1). The basin is bounded by Antelope Valley to the west and shares its southeastern boundary with the Morongo ground-water basin near the town of Lucerne Valley. The Mojave River ground-water basin consists of several alluvial-filled valleys and ground-water basins that are hydraulically connected. The Mojave River ground-water basin, which is an adjudicated groundwater basin, consists of five subareas: Alto, Baja, Centro, Este, and Oeste (fig. 2 on pl. 1). The Alto subarea has a component called the Alto Transition area, which is the area between the Lower Narrows and the Centro subarea.

The Mojave River is the principal source of ground-water recharge to the Mojave River ground-water basin. When surface water is present, the river flows northward from the San Bernardino Mountains through Victorville, then eastward through Barstow, and exits the Mojave ground-water basin at Afton Canyon almost 100 mi from its headwaters.

The Morongo ground-water basin has an area of about 1,000 mi² and is bounded by the San Bernardino Mountains to the southwest, the Granite and the Ord Mountains to the northwest, the Bullion Mountains to the northeast, and the Little San Bernardino and the Pinto Mountains to the south (pl. 1). The Morongo ground-water basin is divided into 17 ground-water subbasins: Copper Mountain, Deadman, Emerson, Fry, Giant Rock, Johnson, Joshua Tree, Lucerne, Mainside, Means, Mesquite, Pipes, Reche, Surprise Spring, Twentynine Palms, Upper Johnson, and Warren (fig. 2 on pl. 1). The Morongo ground-water basin has no significant source for ground-water recharge other than from small, intermittent washes.

The Irwin, the Langford, and the Bicycle ground-water basins are referred to in this report as the Fort Irwin ground-water basins (pl. 1). These three basins lie within and provide the water supply to the NTC. The Fort Irwin ground-water basins have a total area of about 30 mi². Similar to the Morongo ground-water basin, the Fort Irwin ground-water basins have no perennial surface-water and, therefore, no significant source of natural ground-water recharge.

GEOHYDROLOGY

Non-water-bearing igneous and metamorphic rocks underlie the ground-water basins and form the surrounding mountains and hills in the study area. These rocks contain virtually no water, except in joints or fractures. In some places within the ground-water basins and along their boundaries, these non-water-bearing rocks are not exposed, but their presence above the altitude of the water table forms a barrier to ground-water movement.

In the Mojave River ground-water basin, the water-bearing deposits are unconsolidated and partly consolidated continental deposits of Quaternary and Tertiary age. These deposits form two major aquifers: a shallow alluvial aquifer and an underlying regional aquifer. The shallow alluvial aquifer overlies the regional aquifer along the Mojave River and consists of permeable river deposits as thick as 200 ft that are

generally within 1 mi of the river. The shallow alluvial aquifer is the most productive aquifer in the ground-water basin and yields much of the ground-water supply. The regional aquifer consists of unconsolidated older alluvium, fan deposits, and partly consolidated to consolidated sedimentary deposits as thick as 1,000 ft. These deposits are generally fine grained and their permeability declines with depth.

Continental deposits of Quaternary and Tertiary age fill the Morongo ground-water basin to a maximum depth of 10,000 ft near the eastern edge of the basin north of Deadman Lake (Moyle, 1984). In general, the continental deposits are unconsolidated at land surface and become partly consolidated with depth. Most wells in the ground-water basin yield water from the unconsolidated deposits.

The Fort Irwin ground-water basins (modified from Wilson F. So and Associates, 1989) are filled with unconsolidated alluvial deposits from Quaternary to Tertiary age. The alluvial deposits are as thick as 950 ft in the northern part of the Irwin ground-water basin (Densmore and Londquist, in press). Preliminary seismic studies of the Bicycle and the Langford ground-water basins, which are two of the Fort Irwin ground-water basins, indicate that the alluvial deposits are as thick as 1,000 ft (David L. Berger, U.S. Geological Survey, written commun., 1996).

The Mojave Desert region of southern California is dominated by northwest- to southeast-trending right-lateral faults, which indicate some vertical movement. Large differences in water levels across some of these faults indicate that they are impediments to groundwater movement. The fault coverage shown on plate 1 was modified from Bortugno (1986) and Cox and Wilshire (1994). A fault coverage was not available north of latitude 35°N.

GROUND-WATER LEVELS AND MOVEMENT

Water-level data were collected from 632 wells (table 1) during January-September 1996 to define the water-table surface and the direction of ground-water movement in the study area (pl. 1). The water table is best defined as the surface on which the fluid pressure in the pores of a porous medium is exactly atmospheric. The location of this surface is revealed by the level at which water stands in a shallow well open along its length and penetrating the surficial deposits just deep enough to encounter standing water in the

bottom (Freeze and Cherry, 1979). Most water levels were measured by the USGS with calibrated steel or electric tapes. Some water levels were reported by local water agencies (table 1). Water-table altitudes were calculated by subtracting the measured depth to water from the land-surface datum (determined from a leveling survey or estimated from topographic maps).

The USGS and other agencies have completed multiple-well monitoring sites (nested wells) within the study area for the collection of depth-dependent data (table 1). The water-table map (pl. 1) presents data collected from the shallowest well at a multiple-well monitoring site, except if the well is perforated in a perched aquifer. One area where perched water is well documented (2N/9E-29M3, -32J1, and -32R3, table 1) is in the Mainside subbasin under Mesquite Dry Lake (Morongo ground-water basin) and is about 140 ft above the regional aquifer (2N/9E-29Q1 and 29R1, table 1).

Ground water flows from areas of higher to areas of lower water-level altitude and perpendicular to lines of equal water-table altitude (contours) presented on the water-table map (pl. 1). In areas where water-table data were unavailable for 1996, the general shape of the contour was defined on the basis of previous water-table maps by Stamos and Predmore (1995) and Trayler and Koczot (1995). An inset map of southern Warren subbasin, within the Morongo ground-water basin, was made to enhance the detail of water-level contours in the Yucca Valley area (inset A, pl. 1).

Inspection of water-table contours in the vicinity of faults indicates that some faults in the study area are barriers to ground-water flow (pl. 1). The barrier effect of the faults is probably caused by compaction and deformation of water-bearing deposits immediately adjacent to the faults and by cementation of the fault zone by mineral deposits from ground water (Londquist and Martin, 1991). For example, there is approximately a 60-ft drop in the water level across the Calico-Newberry Fault, which crosses the Mojave River about 10 mi east of Barstow in the Mojave River ground-water basin. Similarly, there is a change in the water level of more than 300 ft across the Surprise Spring Fault near the extinct Surprise Spring about 10 mi east of Landers in the Morongo ground-water basin. The effect of faults on ground-water flow is emphasized by the past and current existence of springs at fault boundaries (Mesquite Spring, Old Woman Springs, Rabbit Springs, and Surprise Spring), which

indicates that ground water is, or has been, diverted to the surface at these locations.

WATER-LEVEL CHANGE

Historical water-level data were used in conjunction with data collected during this study to determine both long-term and short-term water-level changes in the study area. Long-term water-level changes were determined by constructing water-level hydrographs of wells in different parts of the study area (pl. 1) and short-term water-level changes (fig. 2 on pl. 1) were determined by comparing 1996 ground-water levels with previously published water-level measurements collected in 1990-94 (Stamos and Predmore, 1995) for the Mojave River ground-water basin and 1994 (Trayler and Koczot, 1995) for the Morongo and the Fort Irwin ground-water basins (table 1; fig. 2 on pl. 1).

LONG-TERM WATER-LEVEL CHANGES

Thirty-one hydrographs show (pl. 1) long-term water-level changes in the study area. Selected hydrographs include data from more than one well in order to show a longer period of record. These longterm hydrographs indicate a general decline in water levels in wells near areas of heavy ground-water withdrawal in the regional aquifer.

In the Alto subarea of the Mojave ground-water basin, water levels have declined as much as 60 ft since the 1940's (4N/3W-1M1 and 5N/5W-22E1, -22E2). This decline is a reflection of ground-water withdrawal for the cities of Adelanto, Apple Valley, Hesperia, and Victorville. In the Centro subarea, water levels west of Harper Lake (11N/4W-29R1) have declined about 90 ft since 1954; water levels east of Harper Lake (11N/3W-28R1, -28R2) have declined about 30 ft since 1950, probably because of agricultural pumpage; and water levels east of Iron Mountain and south of the Mojave River (combined hydrograph 9N/2W-19B1 and 9N/ 3W-13R1) have declined about 30 ft since 1932. Water levels have remained relatively constant in the southeastern part of the subarea (9N/1W-27D1), where ground-water withdrawal from the regional aquifer is minimal. In the eastern part of the Baja subarea near Newberry Springs, the water table has declined as much as 75 ft since 1930 (9N/3E-34D1, -34N1); this

decline also reflects the effects of ground-water withdrawal for agriculture.

The hydrographs of wells in the shallow alluvial aquifer in the Alto and the Centro subareas, and to a lesser degree in the Baja subarea, show alternating periods of declining and rising water levels (4N/4W-1D2; 5N/4W-11P1, -11P3; 8N/4W-12Q1; 8N/4W-31R1; 9N/3E-3D1, -3D2; 10N/2W-32B1, and -33R16). This cyclic pattern is related to the amount of flow in the Mojave River. During dry periods, when most of the Mojave River is dry and recharge from the river to the shallow alluvial aquifer is minimal, ground-water levels decline in response to natural discharge (evapotranspiration and ground-water underflow to other subbasins) and ground-water withdrawal. Ground-water levels rise during wet periods, when floodflows in the Mojave River recharge the shallow alluvial aquifer.

In the Alto and the Centro subareas of the Mojave ground-water basin, long-term hydrographs indicate a general declining trend for wells in the shallow alluvial aguifer. The exception to this declining trend is shown by the hydrographs for wells (5N/4W-11P1, -11P3; 7N/4W-30C1), which have remained relatively constant. These wells are in the vicinity of the Narrows near Victorville where the Mojave River flows perennially. However, long-term hydrographs for wells in the Baja subarea indicate water-level declines of 50 ft or more (9N/1E-10L1; 9N/ 3E-3D1, -3D2 and 9N/3E-34D1, -34N1). Lines (1996) estimated that the shallow alluvial aquifer in the Alto and the Centro subareas receives some recharge from the Mojave River each year, whereas the aquifer in the Baja subarea receives recharge only during periods of high flow. The water-level declines in the Baja subarea are the result of natural discharge and agricultural pumpage.

In the Morongo ground-water basin, hydrographs indicate that water-levels have remained relatively constant in the Copper Mountain, the Deadman, the Johnson, and the Mesquite subbasins (1N/7E-23A1; 3N/7E-36G1, 3N/8E-29C1; 4N/3E-23G1; 1N/8E-12G1 and 1N/9E-33H2, respectively) where the population is small and the pumpage is minimal. Available data were insufficient to determine long-term water-table fluctuations in the Emerson, the Fry, the Pipes, or the Upper Johnson subbasins. Watertables have declined in the Lucerne, the Reche, the Surprise Spring, the Twentynine Palms, and the Warren subbasins. In the Lucerne subbasin, the water levels

have declined about 100 ft in wells 5N/1W-25G1 and 5N/1E-17D1 since the early 1950's. In the Reche subbasin, The water level has declined 45 ft in well 2N/ 6E-18B1 since 1963. In the Twentynine Palms subbasin, the water level has declined 32 ft in well 1S/ 9E-3D1 since 1940. In the Surprise Spring subbasin, the water levels have remained relatively constant in well 3N/7E-31E1, but it has declined 115 ft in well 2N/ 7E-2C1 since 1952 as a result of ground-water withdrawal for USMCAGCC. In the Warren subbasin near Yucca Valley, water levels have declined 309 ft in wells 1N/5E-36K1 AND -36K2 (combined hydrograph, pl. 1), since 1947. In the western part of the Warren subbasin, the water table has declined about 178 ft in well 1N/5E-34N1 since the late 1950's. These large declines probably are a result of pumpage for the Yucca Valley area.

In the Fort Irwin ground-water basins, data were available to construct long-term hydrographs for wells 14N/3E-14H1 and -32J1 in the Bicycle and the Irwin ground-water basins, respectively. These long-term hydrographs indicate that ground-water withdrawals to supply the NTC have resulted in water-table declines of about 70 ft since the late 1960's in the northern part of the Bicycle ground-water basin and about 30 ft since 1943 in the central part of the Irwin ground-water basin.

SHORT-TERM WATER-LEVEL CHANGES

A water-table change map (fig. 2 on pl. 1) was made by comparing 1996 ground-water levels with water levels reported by Stamos and Predmore (1995) for the Mojave River ground-water basin and by Trayler and Koczot (1995) for the Morongo ground-water basin. Short-term water-level changes were determined by comparing 1996 ground-water levels with previously published water-level measurements collected during 1990–94 for the Mojave River ground-water basin and during 1994 for the Morongo ground-water basin (Trayler and Koczot, 1995). Twenty wells measured in 1994 in the Fort Irwin ground-water basins were compared with 1996 water-level data.

In the Mojave River ground-water basin, the maximum water table rise was 52 ft and the maximum decline was 28 ft during the period 1992–96. The water level rose in at least one well during this period in all subareas. The most significant rises were in the Alto and the Centro subareas in the shallow alluvial aquifer,

owing to ground-water recharge from floodflows in the Mojave River. Near the headwaters of the Mojave River in the Alto subarea, the water level rose about 22 ft in well 4N/3W-31L9. In the Transition area (within the Alto subarea), two wells had a rise in water level, the largest of which was about 30 ft in well 7N/4W-6N1. Where the Mojave River enters the Centro subarea, the water level rose about 13 ft in well 8N/4W-1001. Near Barstow, the water level rose about 45 ft in well 9N/3W-1R7 and 52 ft in well 9N/2W-1A2. East of Barstow, the water level rose about 28 ft in well 9N/ 1W-4J8. In the Baja subarea, east of the Camp Rock-Harper Lake Fault zone, formerly called the Waterman Fault, the water table indicated no significant change from previous measurements. In the Este subarea, the water level in well 4N/2W-12N2 rose about 12 ft. In the Oeste subarea, the water level in well 5N/7W-17D1 rose about 7 ft.

The water-table change map also indicates the Mojave River ground-water basin had some areas where the water table has declined. In the Alto, the Centro, the Este, and the Oeste subareas, 11 wells indicated a decline in the water table. In the Baja subarea north of the Mojave River, 13 wells indicated a decline. The quantity and frequency of flow in the Mojave River declines rapidly when it reaches the Baja subarea (Lines, 1996); therefore, this subarea does not receive much ground-water recharge from stormflows.

In the Morongo ground-water basin, the maximum rise in the water table was 66 ft and the maximum decline was 57 ft. There was an rise in water levels in only 6 of the 17 ground-water subbasins. Of the wells measured in the Copper Mountain, the Deadman, the Pipes, and the Surprise Spring subbasins, only one well in each subbasin had a rise in water level. In the Lucerne subbasin, five wells had a rise in water levels with the largest rise of about 14 ft in well 5N/1W-36R1. The largest water table rise and decline in the Morongo ground-water basin was in the Warren subbasin. The water-level rise of nearly 66 ft in well 1N/5E-36K3 probably resulted from a decrease in pumpage in the subbasin. The decline of nearly 57 ft in well 1N/6E-31C1 probably resulted from inadequate time for recovery from pumping before the water-level measurement was made. The water-table change map also indicates that the water table declined by more than 5 ft in wells near the towns of Landers, Twentynine Palms, and Yucca Valley, which are supplied by municipal and domestic withdrawals of ground water.

The water table in the Fort Irwin ground-water basins has remained relatively unchanged, with a maximum rise in the water table of 6 ft and the maximum decline of 8 ft. Of the 11 wells measured in the Irwin ground-water basin, only well 14N/3E-32P6 indicated a significant rise in the water table (about 6 ft). In the Bicycle ground-water basin, well 14N/3E-24H1 had a decline in the water level of about 6 ft and well 14N/4E-18N2 had a decline of about 8 ft. In the Langford ground-water basin, none of the four wells measured had water level fluctuations of more than 5 ft.

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[ft, foot. State well No.: See "Well-Numbering System" section in text; some numbers subject to change upon verification. U.S. Geological Survey (USGS) identification No.: Ialtitude, and sequence Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California agencies; S, steel tape; V, calibrated electric tape. —, no data. Well notes: D, dry; H, wells used for historical data on hydrographs; N, data not plotted on plate 1 because of overcrowding of similar data; O, obstruction at specified depth; P, pumping; PW, well with perched water; R, recent pumping; S, nearby pumping] number. Water-level difference, comparison between 1996 data and 1990-94 data (Stamos and Predmore, 1995; Trayler and Koczot, 1995). Measurement method: A, airline; R, reported by local water

State well no.	USGS Identification no.	Date	1990–94 depth to water (ft below land	Date	1996 depth to water (ft below land surface)	Difference In depths to water (ft)	Altitude of water table (ft above sea	Attitude of land surface (ft above sea	Method of measure- ment	Depth of well (ft)	Screened or perforated Interval (ft)	Well notes
1N/5E-2N1	341144116260601		surface)	5-15-96	44.29	; I	3.476	3.520	S		: 1	
-28N1	340815116281301	ŧ	1	4-16-96	111.48	1	3,524	3,635	S		1	
-3311	340729116272901	5-6-94	255.97	4-16-96	253.09	2.88	3,118	3,371	>	310	245–310	O at 280
-34K1	340729116264701	1-5-94	415.2	4-25-96	413.5	1.7	2,967	3,380	~	640	340-640	
-34N1	340725116272401	1-4-94	385	4-25-96	377	∞	2,963	3,340	×	548	245–545	
-34P4	340727116270801	1-6-94	428.5	3-26-96	431.7	-3.2	2.928	3,360	~	1,010	398-1,010	
-3401	340724116264801	14-94	423.7	4-25-96	419.5	4.2	2,941	3,360	~	757	370–571	
-3402	340727116263801	1-5-94	409.6	4-25-96	408.3	1.3	2,952	3,360	×	066	360-900	
-35K1	340729116253701	1-6-94	354	3-26-96	335.4	18.6	2,925	3,260	×	098	300-850	
-35P1	340722116260301	1-5-94	335.2	4-25-96	337.7	-2.5	2,942	3,280	×	504	194-494	
-36H2	340751116241901	1-5-94	322.3	4-25-96	306.2	16.1	2,904	3,210	~	1,000	400-1,000	
-36K1	340635116244601	1	ŀ	1	ŀ	ŀ	1	3,230	1	333	1	Н
-36K2	340736116244601	1-5-94	423.2	4-25-96	374.3	48.9	2,856	3,230	×	805	307-770	
-36K3	340738116244301	1-4-94	374	4-25-96	308.1	62.9	2,922	3,230	~	1,115	550-1,115	
-36L1	340734116245401	1-4-94	413.1	3-26-96	379.3	33.8	2,851	3,230	ĸ	735	275–725	
-36M1	340737116250801	5-73-94	368 86	3_12_96	387 17	-18 31	2 853	3 240	>	670	550-570	
$-36M2^{1}$	340737116250802	5-23-94	1	3-12-96	290.76	1	2,949	3,240	· >	390	370–390	
$-36M3^{1}$	340737116250803	5-23-94	1	3-15-96	280.34	1	2,960	3,240	>	300	280–300	
-36M4	340731116251001	1-4-94	430.4	4-25-96	371	59.4	2,874	3,245	~	800	400-800	
-36M6	340732116251601	1-4-94	414.7	4-25-96	361.4	53.3	2,884	3,245	ĸ	800	450-800	Z
1N/6E-13R1	340953116175801	5-3-94	440.52	5-22-96	440.45	.07	2,210	2,650	>	715	455–710	
-17A1	341036116221301	6-9-94	297.57	4-25-96	280.2	17.37	3,029	3,309	×	١	1	
-25M2	340817116185801	3-30-94	444.62	4-30-96	448.54	-3.92	2,274	2,723	~	200	452	
-2913	340821116220901	7-29-94	180	4-16-96	175.26	4.74	2,920	3,095	S	803	350-773	
-29R3	340816116220901	7-29-94	186	4-17-96	178.08	7.92	2,927	3,105	>	089	360-660	
See footnote at end of table.	t end of table.											

Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California—Continued

		1990–94		1996 depth	Difference	Altitude	Altitude of			Screened or	
USGS depth to identification Date water (ft l no. below land surface)		_	Date	to water (ft below land surface)	in depths to water (ft)	of water table (ft above sea level)	land sur- face (ft above sea level)	Method of measure- ment	of well (ft)	perforated interval (ft)	Well notes
340750116234401 1-5-94 230.9 3	230.9	60	3-26-96	287.6	-56.7	2,911	3,199	R	729		
340744116240601 7–29–94 315 4	315	4	4-17-96	309.25	-3.74	2,891	3,200	>	1	***	
340740116233401 7–29–94 378	378	7	4-17-96	381.74	5.75	2,868	3,250	>	1	1	
341044116144301 2-2-94 208.24	208.24		4-18-96	207.92	.32	2,177	2,385	S	267	1	
340947116144101 2-28-94 233.94	233		4-18-96	233.5	4	2,172	2,405	>	206	464–506	
340923116142501 2-2-94 232.82			5-15-96	232.44	.38	2,176	2,408	>	393	241–387	
340945116125001 5-2-94 205.15			5-15-96	206.14	66	2,170	2,376	>	370	360-370	
340901116132301 2-3-94 203.93	203		4-18-96	202.24	1.69	2,180	2,382	S	429	1	
340819116145001 2-2-94 204.06	202		4-18-96	205.25	-1.19	2,278	2,483	>	412	1	
340803116140601 2-28-94 216.15			4-18-96	218.27	-2.12	2,271	2,489	>	290	527–590	
340754116144501 2-2-94 262.59	262		4-18-96	264.83	-2.24	2,278	2,543	>	396	261–391	
341114116053301 3-2-94 200.78	200		2-6-96	200.86	08	1,772	1,973	>	I	1	
	164		3-14-96	167.7	-3.2	2,185	2,353	×	380	145–312	
340807116113101 2-17-94 307.67	307		3-14-96	309.8	-2.13	2,180	2,490	×	400	200-400	
340804116083001 2-1-94 311.33	311		3-15-96	311.3	.03	2,199	2,510	×	350	195–345	
340731116082601 3-4-94 311.26	311		5-22-96	308.2	3.06	2,392	2,700	>	410	391	
340722116081701 3-4-94 249.97			5-22-96	257.43	-7.46	2,433	2,690	>	350	250-350	
340801116052401 1-18-94 185.66	185		3-15-96	198.73	-13.07	1,931	2,130	ĸ	292	1	
340742116053201 1-4-94 218.58	218		3-14-96	230.03	-11.45	1,928	2,158	R	430	220-420	
341141116030901 3-3-94 16.9	16		5-7-96	16.93	03	1,770	1,787	>	200	390-495	
341020116021901 3-3-94 15.76	15		5-7-96	17.24	-1.48	1,778	1,795	>	55	1	
341031116041401 3-2-94 109.88	109		5-7-96	111.15	-1.27	1,759	1,870	>	1	1	
340855116013601 3–3–94 84.63			4-24-96	84.86	23	1,782	1,867	>	1	1	
1-18-94			3-15-96	154.07	-9.4	1,931	2,085	R	398	160–398	
340757116045601 1–18–94 158.5			3-15-96	170.6	-12.1	1,934	2,105	æ	ł	1	

Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California—Continued

State well no.	USGS Identification no.	Date	1990–94 depth to water (ft below land surface)	Date	1996 depth to water (ft below land surface)	Difference In depths to water (ft)	Attitude of water table (ft above sea level)	Attitude of land surface (ft above sea level)	Method of measure- ment	Depth of well (ft)	Screened or perforated interval	Well notes
1N/9E-32P1	340719116034901	1-20-94	177.42	3-14-96	182.47	-5.05	1,958	2,140	~	320	220-320	
-33H2	340741116022002	3-3-94	51.69	4-23-96	52.52	83	1,908	1,961	>	57.4	55.0-57.4	
-3313	340739116021701	3-3-94	17.83	4-23-96	18.93	-1.1	1,953	1,972	>	35	33–35	
-33K5	340739116023004	3-3-94	23.33	4-23-96	24.35	-1.02	1,949	1,973	>	28	25.6–27.6	
-34A1	340808116012101	3-3-94	151.93	96-9-5	150.88	1.05	1,787	1,938	>	1	1	
-35F1	340756116004601	3-3-94	115.4	3-6-96	115.58	81	1.856	1.972	>	ł	1	
-35N1	340718116010301	3-4-94		3-14-96	116.77	-1.15	1,964	2,081	~	260	147–247	
1S/5E-3D1	340717116271001	1-6-94	380.52	4-25-96	386.7	-6.18	2,953	3,340	×	940	400-940	P, O at 622
-4A1	340706116273001	4-26-94	345.1	3-26-96	373.3	-28.2	2,958	3,331	~	535	200-525	
-4B1	340706116274401	4-26-94	379.22	3-26-96	383.4	4.18	2,956	3,339	ĸ	1	25–315	
-5A1	340700116283201	5-4-94	107.94	4-16-96	112.07	4.13	3,442	3,554	>	390	145–340	O at 258
-10D1	340614116272201	5-6-94	47.65	4-16-96	4.61	7.04	3,529	3,570	S	130	1	
1S/9E-3D1	340714116020701	3-4-94	113.32	5-22-96	118.29	4.97	1,957	2,075	S	275	-	
2N/5E-1G1	341716116242901	5-25-94	100.42	4-17-96	101.54	-1.12	2,908	3,010	>	1	İ	
-12B1	341643116243101	6-9-94	145.17	3-13-96	134.17	Ξ	2,925	3,059	×	ı	I	
-12N1	341600116250801	5-25-94	283.33	4-17-96	283.89	56	2,933	3,217	>	358	337–358	
-13A1	341549116241601	5-26-94	138.9	4-17-96	143.19	4.29	2,936	3,079	>	166	135–190	O at 155
-14M1	341520116261901	5-26-94	190.03	4-17-96	181.68	8.35	3,241	3,423	S	305	170–300	O at 245
-22J1	341438116262801	6-9-94	257	3-13-96	265.12	-8.12	3,238	3,503	~	785	250-775	
-24H1	341444116241701	6-9-94	270.99	4-25-96	280.5	-9.51	3,002	3,282	×	604	220–580	
-27A1	341412116262201	5-5-94	219.76	4-17-96	230.51	-10.75	3,239	3,470	>	485	443-485	O at 445
-27K2	341343116263801	6-9-94	221.83	3-13-96	232.25	-10.42	3,233	3,465	×	322	184–319	
-27R1	341331116263201	6-9-94	221.08	3-13-96	231.91	-10.83	3,238	3,470	×	475	260-470	
-36C1	341319116244901	6-9-94	282.33	3-13-96	278.18	4.15	3,155	3,433	×	ı	1	
2N/6E-11M1	341622116194601	3-23-94	482.85	4-23-96	482.21	2 ⁱ	2,321	2,803	>	790	750	

Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California—Continued

See footnote at end of table.

Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California—Continued

See footnote at end of table.

Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California—Continued

Lange of the part o	USGS	500	1990–94 depth to		1996 depth to water (ft	Difference in depths	Altitude of water	Altitude of land sur-	Method of	Depth	Screened or perforated	Sopor IIcw
5-15-96 59.5 — 2,913 2,972 S 128 102-120 3-29-96 88.69 — 2,911 3,000 S — — 5-17-96 9.65 — 3,200 3,210 S — — 5-20-96 300.25 — 3,318 3,627 S 363 310-360 5-20-96 300.25 — 3,318 3,627 S — — 5-20-96 300.25 — 3,318 3,627 S 363 310-360 5-20-96 300.25 — 3,318 3,627 S 363 315-335 4-23-96 196.88 — 1,36 2,245 2,445 V 415 395-415 4-23-96 19.68 — 1,37 2,245 2,448 V 334 275-295 4-23-96 13.75 — 2,245 2,448 V 317-295 4-23-96 13.26 — </th <th>Date</th> <th></th> <th>water (π below land surface)</th> <th>Date</th> <th>below land surface)</th> <th>to water (ft)</th> <th>table (π above sea level)</th> <th>above sea level)</th> <th>measure- ment</th> <th>or well</th> <th>interval (ft)</th> <th>Well notes</th>	Date		water (π below land surface)	Date	below land surface)	to water (ft)	table (π above sea level)	above sea level)	measure- ment	or well	interval (ft)	Well notes
3-29-96 88.69 — 2,911 3,000 S — — 5-17-96 9.65 — 3,200 3,210 S — — 5-17-96 9.65 — 3,200 3,210 S — — 5-20-96 309.25 — 3,318 3,627 S 363 310-360 5-20-96 309.25 — 3,318 3,627 S 363 310-360 4-23-96 162.8 — 1,17 2,250 2,445 V 415 395-415 4-23-96 212.65 — 2,245 2,445 V 605 228-205 4-23-96 212.65 — 2,241 2,445 V 605 228-205 4-23-96 232 — 2,245 2,445 V 606 640-660 4-23-96 232 — 2,241 V 70 770-790 4-23-96 2324 — 2,243		١.		5-15-96	59.5	1	2,913	2,972	S	128	102-120	
5-17-96 9.65 — 3.200 3,210 S — — 5-20-96 309.25 — 3,318 3,627 S 363 310-360 5-20-96 309.25 — 3,318 3,627 S 363 310-360 5-23-96 162.8 — 1,17 2,256 2,443 V 415 395-415 4-23-96 243 —1.26 2,245 2,488 V 344 275-295 4-23-96 195.68 —1.11 2,245 2,445 V 605 228-605 4-23-96 212.65 —1.11 2,245 2,445 V 605 228-605 4-23-96 212.65 —1.37 2,241 2,413 V 618 418-598 4-23-96 232.5 —1.37 2,241 2,413 V 618 418-598 4-23-96 232.5 —1.23 2,244 V 700 770-790 1-18-96 301.67	ŀ		1	3-29-96	88.69	I	2,911	3,000	S	1	l	
5-20-96 390.25 — 3.318 3,627 S 363 310-360 5-23-96 162.8 — 3.318 3,627 S 363 310-360 5-23-96 162.8 — 1.17 2,256 2,413 V 415 395-415 4-23-96 308.61 .59 2,345 2,445 V 415 395-415 4-23-96 199.68 —1.13 2,245 2,445 V 605 228-605 4-23-96 199.68 —1.11 2,245 2,445 V 605 228-605 4-23-96 212.65 —1.11 2,245 2,445 V 618 418-596 4-23-96 235.4 —1.37 2,241 2,541 V 606 640-660 1-18-96 306.83 — 2,243 2,544 V 506 640-660 1-18-96 301.67 — 2,244 2,544 V 70 70-60 5-23-96 </td <td>-</td> <td></td> <td>١</td> <td>5-17-96</td> <td>9.65</td> <td>l</td> <td>3,200</td> <td>3,210</td> <td>S</td> <td>1</td> <td>ł</td> <td></td>	-		١	5-17-96	9.65	l	3,200	3,210	S	1	ł	
5-23-96 I62.8 -1.17 2,250 2,413 V 335 315-335 4-23-96 308.61 .59 2,334 2,643 V 415 395-415 4-23-96 243 -1.26 2,245 2,488 V 334 275-295 4-23-96 199.68 -1.13 2,245 2,488 V 605 228-605 4-23-96 212.65 -1.11 2,245 2,488 V 572 275-295 4-23-96 212.65 -1.11 2,245 2,458 V 572 472-572 4-23-96 232 -1.43 2,241 V 618 418-598 4-23-96 232.5 -1.37 2,241 V 60 640-660 1-18-96 30.67 - 2,242 2,544 V 790 770-790 1-18-96 30.68 - 2,244 2,544 V 60 640-660 5-23-96 300.8 - 2,24			1	5-20-96	309.25	ŀ	3,318	3,627	S	363	310–360	
4-23-96 308.61 .59 2,334 2,643 V 415 395-415 4-23-96 243 -1.26 2,245 2,488 V 415 275-295 4-23-96 190.68 -1.13 2,245 2,445 V 605 228-605 4-23-96 212.65 -1.11 2,245 2,458 V 605 228-605 4-23-96 212.65 -1.11 2,245 2,478 V 618 418-598 4-23-96 232 -1.43 2,241 2,473 V 618 418-592 4-23-96 232-7 -1.37 2,241 2,473 V 618 418-598 4-23-96 235-5 -1.37 2,241 2,473 V 618 418-598 5-23-96 235-7 -1.22 2,244 V 600 640-660 1-18-96 306.83 - 2,243 2,544 V 605 270-605 5-23-96 276.96	3-29-94		161.63	5-23-96	162.8	-1.17	2,250	2,413	>	335	315–335	
4-23-96 243 -1.26 2,245 2,488 V 334 275-295 4-23-96 196.68 -1.13 2,245 2,445 V 605 228-605 4-23-96 212.65 -1.11 2,245 2,445 V 605 228-605 4-23-96 407.57 52 1,832 2,240 V 512 472-572 4-23-96 235.4 -1.37 2,241 2,501 V 618 418-598 4-23-96 259.54 -1.37 2,241 2,514 V 618 418-598 5-23-96 259.54 -1.37 2,241 2,544 V 790 770-790 1-18-96 301.67 - 2,222 2,544 V 660 640-660 1-18-96 306.83 - 2,243 2,544 V 790 770-790 1-18-96 306.83 - 2,244 V 606 640-660 5-23-96 272.69	3-28-94		309.2	4-23-96	308.61	. 5 9	2,334	2,643	>	415	395-415	
4-23-96 199.68 -1.13 2,245 2,445 V 605 228-605 4-23-96 212.65 -1.11 2,245 2,458 V 595 275-295 4-23-96 407.57 52 1,832 2,240 V 608 275-295 4-23-96 232 -1.43 2,241 2,473 V 618 418-598 4-23-96 250.54 -1.37 2,241 2,501 V 618 418-598 5-23-96 250.54 -1.37 2,241 2,544 V 700 700-700 1-18-96 306.83 - 2,226 2,544 V 660 640-660 1-18-96 306.83 - 2,243 2,544 V 700 700-700 1-18-96 306.83 - 2,244 V 660 640-660 5-23-96 275.69 -2,244 V 700 700-700 4-23-96 270.69 -2,244 V	3-29-94		241.74	4-23-96	243	-1.26	2,245	2,488	>	334	275–295	
4-23-96 212.65 -1.11 2,245 2,458 V 295 275-295 4-23-96 407.57 52 1,832 2,240 V 572 472-572 4-23-96 232 -1.43 2,241 2,473 V 618 418-598 4-23-96 259.54 -1.37 2,241 2,501 V 351 312-348 5-23-96 259.54 -1.37 2,241 2,544 V 401 300-401 1-18-96 252.55 1.82 2,243 2,544 V 606 640-660 1-18-96 30.68 - 2,243 2,544 V 540 520-540 5-23-96 30.68 - 2,244 2,544 V 605 640-660 5-23-96 27.68 - 2,244 2,544 V 370 350-370 5-23-96 27.68 - 2,244 2,544 V 548-35 5-23-96 27.68 -	3-29-94		198.55	4-23-96	199.68	-1.13	2,245	2,445	>	605	228–605	
4-23-96 407.57 52 1,832 2,240 V 572 472-572 4-23-96 232 -1.43 2,241 2,473 V 618 418-598 4-23-96 232 -1.37 2,241 2,501 V 618 418-598 5-23-96 252.5 1.82 2,241 2,514 V 601 640-600 1-18-96 324.78 - 2,224 V 790 770-790 1-18-96 301.67 - 2,243 2,544 V 660 640-660 1-18-96 306.83 - 2,243 2,544 V 605 640-660 5-23-96 306.83 - 2,244 2,544 V 605 520-540 5-23-96 272.69 - 2,244 2,544 V 605 270-605 5-23-96 270.68 - 1,803 1,830 V 540 520-540 5-23-96 277.69 -	3-29-94		211.54	4-23-96	212.65	-1.11	2,245	2,458	>	295	275–295	
4-23-96 232 -1.43 2,241 2,473 V 618 418-598 4-23-96 259.54 -1.37 2,241 2,501 V 618 418-598 5-23-96 250.5 1.82 2,262 2,514 V 401 300-401 1-18-96 324.78 - 2,220 2,544 V 790 770-790 1-18-96 301.67 - 2,243 2,544 V 660 640-660 1-18-96 306.83 - 2,243 2,544 V 540 520-540 5-23-96 30.88 - 2,244 2,544 V 540 520-540 5-23-96 30.8 - 2,244 2,544 V 605 520-540 5-23-96 30.8 - 2,228 2,501 V 530 370-399 4-24-96 30.69 - 1,801 1,832 V 180 160-180 4-24-96 30.61	3-29-94	-	407.05	4-23-96	407.57	52	1,832	2,240	>	572	472–572	
4-23-96 259.54 -1.37 2,241 2,501 V 351 312-348 5-23-96 252.5 1.82 2,262 2,514 V 401 300-401 1-18-96 324.78 - 2,222 2,544 V 790 770-790 1-18-96 301.67 - 2,2243 2,544 V 660 640-660 1-18-96 306.83 - 2,244 2,544 V 540 520-540 5-23-96 300.8 - 2,244 2,544 V 370 350-370 5-23-96 272.69 -2.37 2,228 2,501 V 605 270-605 4-23-96 276.69 -9.36 1,831 2,111 V 399 384-399 5-23-96 47.62 .19 1,803 1,825 V 456 248-456 4-24-96 30.61 .24 1,801 1,832 V 80 500-684 5-23-96 88.3 .18 1,801 1,831 V 80 500-684 <td< td=""><td>3-24-94</td><td></td><td>230.57</td><td>4-23-96</td><td>232</td><td>-1.43</td><td>2,241</td><td>2,473</td><td>></td><td>618</td><td>418–598</td><td>S, O at 398</td></td<>	3-24-94		230.57	4-23-96	232	-1.43	2,241	2,473	>	618	418–598	S, O at 398
5-23-96 252.5 1.82 2,262 2,514 V 401 300-401 1-18-96 324.78 — 2,220 2,544 V 790 770-790 1-18-96 301.67 — 2,220 2,544 V 660 640-660 1-18-96 301.67 — 2,243 2,544 V 660 640-660 5-23-96 300.8 — 2,244 2,544 V 370 350-370 5-23-96 272.69 -2.37 2,228 2,501 V 605 270-605 4-23-96 279.68 -9.36 1,831 2,111 V 399 384-399 5-23-96 47.62 .19 1,803 1,850 V 456 248-456 4-24-96 30.69 .21 1,801 1,832 V 180 160-180 4-24-96 30.63 .18 1,801 1,832 V 85 45-85 5-23-96 83	3-24-94		258.17	4-23-96	259.54	-1.37	2,241	2,501	>	351	312–348	
1-18-96 324.78 — 2,220 2,544 V 790 770-790 1-18-96 301.67 — 2,243 2,544 V 660 640-660 1-18-96 306.83 — 2,244 2,544 V 540 520-540 5-23-96 30.08 — 2,244 2,544 V 570 350-370 5-23-96 272.69 -2.37 2,228 2,511 V 505 270-605 4-23-96 279.68 -9.36 1,831 2,111 V 399 384-399 5-23-96 47.62 .19 1,803 1,850 V 456 248-456 4-24-96 30.69 .21 1,801 1,832 V 89 375-395 4-24-96 30.63 .18 1,801 1,832 V 86 45-85 5-23-96 88.3 .13 1,803 1,891 V 800 500-684 4-24-96 206.34 .34 1,830 2,036 V 390 370-390	3-24-94		254.32	5-23-96	252.5	1.82	2,262	2,514	>	401	300-401	
1-18-96 301.67 — 2,243 2,544 V 660 640-660 1-18-96 306.83 — 2,244 2,544 V 540 520-540 5-23-96 300.8 — 2,244 2,541 V 370 350-370 5-23-96 272.69 -2.37 2,228 2,501 V 605 270-605 4-23-96 279.68 -9.36 1,831 2,111 V 399 384-399 5-23-96 47.62 .19 1,803 1,850 V 456 248-456 4-24-96 30.69 .21 1,801 1,832 V 395 375-395 4-24-96 30.63 .18 1,801 1,832 V 86 45-85 5-23-96 88.3 .13 1,803 1,891 V 800 500-684 4-24-96 206.34 .34 1,830 2,036 V 390 370-390	ı			1-18-96	324.78	1	2,220	2,544	>	790	770–790	S
1–18–96 306.83 — 2,238 2,544 V 540 520–540 5–23–96 300.8 — 2,244 2,544 V 370 350–370 5–23–96 272.69 –2.37 2,228 2,501 V 605 270–605 4–23–96 279.68 –9.36 1,831 V 399 384–399 5–23–96 47.62 .19 1,803 1,850 V 456 248–456 4–24–96 30.69 .21 1,801 1,832 V 395 375–395 4–24–96 30.63 .18 1,801 1,832 V 85 45–85 5–23–96 88.3 .13 1,801 1,81 V 800 500–684 4–24–96 206.34 .34 1,830 2,036 V 390 370–390	1		ı	1-18-96	301.67	1	2,243	2,544	>	099	640-660	S
5-23-96300.8—2,2442,544V370350-3705-23-96272.69-2.372,2282,501V605270-6054-23-96279.68-9.361,8312,111V399384-3995-23-9647.62.191,8031,850V456248-4564-24-9630.69.211,8011,832V395375-3954-24-9630.63.181,8011,832V8545-855-23-9688.3.131,8031,891V800500-6844-24-96206.34.341,8302,036V390370-390			ļ	1–18–96	306.83		2,238	2,544	>	540	520–540	S
5-23-96 272.69 -2.37 2,228 2,501 V 605 270-605 4-23-96 279.68 -9.36 1,831 2,111 V 399 384-399 5-23-96 47.62 .19 1,803 1,850 V 456 248-456 4-24-96 30.69 .21 1,801 1,832 V 395 375-395 4-24-96 30.63 .18 1,801 1,832 V 85 45-85 5-23-96 88.3 .13 1,803 1,891 V 800 500-684 4-24-96 206.34 .34 1,830 2,036 V 390 370-390	ł		1	5-23-96	300.8	ł	2,244	2,544	>	370	350-370	S
4-23-96 279.68 -9.36 1,831 2,111 V 399 384-399 5-23-96 47.62 .19 1,803 1,850 V 456 248-456 4-24-96 30.69 .21 1,801 1,832 V 395 375-395 4-24-96 30.61 .24 1,801 1,832 V 180 160-180 4-24-96 30.63 .18 1,801 1,832 V 85 45-85 5-23-96 88.3 .13 1,803 1,891 V 800 500-684 4-24-96 206.34 .34 1,830 2,036 V 390 370-390	8-22-94		27.32	5-23-96	272.69	-2.37	2,228	2,501	>	905	270-605	
5-23-96 47.62 .19 1,803 1,850 V 456 4-24-96 30.69 .21 1,801 1,832 V 395 4-24-96 30.63 .18 1,801 1,832 V 180 5-23-96 88.3 .13 1,803 1,891 V 800 4-24-96 206.34 .34 1,830 2,036 V 390	8-23-94		270.32	4-23-96	279.68	-9.36	1,831	2,111	>	399	384-399	S
4-24-96 30.69 .21 1,801 1,832 V 395 4-24-96 30.61 .24 1,801 1,832 V 180 4-24-96 30.63 .18 1,801 1,832 V 85 5-23-96 88.3 .13 1,803 1,891 V 800 4-24-96 206.34 .34 1,830 2,036 V 390	3-29-94		47.81	5-23-96	47.62	.19	1,803	1,850	>	456	248-456	
4-24-96 30.61 .24 1,801 1,832 V 180 4-24-96 30.63 .18 1,801 1,832 V 85 5-23-96 88.3 .13 1,803 1,891 V 800 4-24-96 206.34 .34 1,830 2,036 V 390	1-26-94		30.9	4-24-96	30.69	.21	1,801	1,832	>	395	375–395	
4-24-96 30.63 .18 1,801 1,832 V 85 5-23-96 88.3 .13 1,803 1,891 V 800 4-24-96 206.34 .34 1,830 2,036 V 390	1-26-94		30.85	4-24-96	30.61	24	1,801	1,832	>	180	160-180	
5–23–96 88.3 .13 1,803 1,891 V 800 4–24–96 206.34 .34 1,830 2,036 V 390	1-26-94		30.81	4-24-96	30.63	.18	1,801	1,832	>	85	45-85	
4-24-96 206.34 .34 1,830 2,036 V 390	3-29-94		88.43	5-23-96	88.3	.13	1,803	1,891	>	800	500-684	
	1-26-94		206.68	4-24-96	206.34	.34	1,830	2,036	>	390	370-390	

See footnote at end of table.

Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California—Continued

206.29 0.34 1,830 2,036 V 320 206.27 .32 1,830 2,036 V 250 206.27 .32 1,830 2,036 V 250 184.74 7.11 1,808 1,993 V 208 24.4 24 1,800 1,824 S 396 116.95 88 2,809 2,926 V 116.95 88 2,809 2,925 V 152.58 8.46 2,847 3,000 V 505 152.58 8.46 2,847 3,000 V 506 161.58 -1.48 2,820 2,980 S 200 152.89 -2.513 2,847 3,000 V 260 186.5 -5.13 2,840 3,225 V 425 15.89 -2.35 2,840 2,960 V 405 15.89 -2.37 2,960	Date	depth to water (ft below land surface)		Date	1996 depth to water (ft below land surface)	Difference In depths to water (ft)	of water table (ft above sea level)	face (ft above sea level)	Method of measure- ment	Depth of well (ft)	Screened or perforated interval (ft)	Well notes
47-94 19.85 5-23-96 14.74 7.11 1808 1.993 7 25.6 4-7-94 24.16 5-23-96 14.74 7.11 1808 1.993 7 20.6 5-16-94 116.07 5-24-96 185.19 -1.79 2.725 2.910 8 396 5-16-94 118.34 5-14-96 185.19 -1.79 2.725 2.910 8 396 7-22-94 116.04 5-24-96 152.88 11.4 2.746 2.925 V 300 8-29-94 195.03 4-16-96 195.5 -447 2.847 3,000 V 505 8-18-93 157.63 5-14-96 161.58 -3.95 2.817 2.979 S 405 9-18-94 155.63 5-14-96 161.58 -1.48 2.820 2.980 S 200 10-7-94 136.11 4-16-96 130.25 -7.13 2.891 3.020 V 260 1	341801116104602 341801116104603	1-26-94	206.63	4-24-96	206.29	0.34	1,830	2,036	> >	320	300-320	
4-7-94 2416 5-23-96 244 24 1,800 1,824 S 396 6-30-94 116.07 5-24-96 116.95 88 2,809 2,926 V - 5-16-94 116.07 5-24-96 116.95 88 2,809 2,926 V - 10-7-94 190.28 4-15-96 178.88 11.4 2,746 2,925 V 300 8-29-94 195.03 4-16-96 195.5 47 2,867 3,000 V 805 8-3-94 157.63 5-14-96 161.58 395 2,817 2,979 S 405 10-7-94 136.1 4-16-96 182.9 7.2 2,891 3,000 V 280 10-7-94 136.1 4-16-96 186.5 -5.13 2,877 3,063 V -6.7 10-7-94 136.13 4-16-96 128.5 -5.13 2,877 3,063 V 2.50 10-5-93 <td></td> <td>•</td> <td>191.85</td> <td>5-23-96</td> <td>184.74</td> <td>7.11</td> <td>1,808</td> <td>1,993</td> <td>· ></td> <td>208</td> <td>183–208</td> <td></td>		•	191.85	5-23-96	184.74	7.11	1,808	1,993	· >	208	183–208	
6-30-94 116,07 5-24-96 116,95 88 2,809 2,926 V - 5-16-94 183.4 5-14-96 185.19 -1.79 2,725 2,910 S - 10-7-94 190.28 4-15-96 18.88 11.4 2,746 2,925 V 300 7-22-94 161.04 5-24-96 15.28 8.46 2,847 3,000 V 505 8-29-94 195.03 4-16-96 16.58 47 2,867 3,002 V 505 8-3-94 158.44 4-16-96 128.9 7.2 2,867 3,000 V 280 10-7-94 136.1 4-16-96 128.9 7.2 2,881 3,020 V 280 10-7-94 136.13 4-16-96 18.65 -5.13 2,877 3,090 V 2,80 10-7-94 181.37 4-16-96 18.65 -5.13 2,840 3,020 V 2,80 10-5-93 </td <td></td> <td>4-7-94</td> <td>24.16</td> <td>5-23-96</td> <td>24.4</td> <td>24</td> <td>1,800</td> <td>1,824</td> <td>S</td> <td>396</td> <td>186</td> <td>O at 40</td>		4-7-94	24.16	5-23-96	24.4	24	1,800	1,824	S	396	186	O at 40
5-16-94 1834 5-14-96 185.19 -1.79 2,725 2,910 S — 10-7-94 190.28 4-15-96 178.88 11.4 2,745 2,925 V 300 7-22-94 161.04 5-24-96 155.8 8-46 2,847 3,000 V 505 8-29-94 195.03 4-16-96 195.5 47 2,867 3,000 V 505 5-18-93 157.63 5-14-96 161.58 -3.95 2,817 2,990 S 301 8-3-94 158.4 4-15-96 158.9 -1.48 2,827 2,891 3,020 V 280 10-7-94 136.1 4-16-96 128.9 7.2 2,891 3,020 V 260 10-7-94 136.1 4-16-96 128.5 -5.13 2,877 3,090 V 260 10-7-94 181.37 4-16-96 186.5 -5.13 2,877 3,090 V 425 <t< td=""><td></td><td></td><td>116.07</td><td>5-24-96</td><td>116.95</td><td>88</td><td>2,809</td><td>2,926</td><td>></td><td>ł</td><td>400</td><td></td></t<>			116.07	5-24-96	116.95	88	2,809	2,926	>	ł	400	
10-7-94 190.28 4-15-96 178.88 11.4 2,746 2,925 V 300 7-22-94 161.04 5-24-96 152.58 8.46 2,847 3,000 V 505 8-29-94 195.03 4-16-96 195.5 47 2,867 3,002 S 405 5-18-93 157.63 5-14-96 161.58 395 2,817 2,979 S 405 8-3-94 157.63 5-14-96 161.58 1.48 2,820 2,980 S 200 10-7-94 158.4 4-15-96 128.9 7.2 2,891 3,020 V 280 10-7-94 136.1 4-16-96 136.5 -5.13 2,877 3,063 V 260 10-7-94 136.1 4-16-96 136.5 -5.13 2,877 3,063 V 260 10-7-94 181.37 4-16-96 136.5 -2.513 2,877 3,063 V 260 1			183.4	5-14-96	185.19	-1.79	2,725	2,910	Ø	ł	I	
7-22-94 161.04 5-24-96 152.58 8.46 2,847 3,000 V 505 8-29-94 195.03 4-16-96 195.5 47 2,867 3,062 S 405 5-18-93 157.63 5-14-96 161.58 -3.95 2,817 2,979 S 405 8-3-94 157.63 5-14-96 161.58 -1.48 2,820 2,980 S 200 10-7-94 136.1 4-16-96 128.9 7.2 2,891 3,020 V 280 10-7-94 136.13 4-16-96 128.9 7.2 2,891 3,020 V 280 10-7-94 18.137 4-16-96 128.9 7.2 2,891 3,020 V 260 10-7-94 18.137 4-16-96 18.65 -5.13 2,871 3,063 V 260 10-7-94 18.137 4-16-96 18.65 -2.13 2,840 2,866 S -2.2 10-7	_		190.28	4-15-96	178.88	11.4	2,746	2,925	>	300	180-300	
8-29-94 195.03 4-16-96 195.5 47 2.867 3,062 S 405 5-18-93 157.63 5-14-96 161.58 -3.95 2,817 2,979 S 405 8-3-94 157.63 5-14-96 161.58 -1.48 2,820 2,980 S 200 10-7-94 136.1 4-16-96 128.9 7.2 2,891 3,020 V 280 10-7-94 126.73 5-24-96 123.02 3.71 2,967 3,090 V 260 10-7-94 126.73 4-16-96 186.5 -5.13 2,877 3,063 V -6 10-7-94 136.8 4-16-96 186.5 -5.13 2,877 3,063 V -6 10-7-94 136.8 4-16-96 186.5 -2.13 2,877 3,063 V -6 10-7-94 148.8 129.5 7.3 2,737 2,866 V -6 7-26-94 44.5	_		161.04	5-24-96	152.58	8.46	2,847	3,000	>	505	220-488	O at 357
8-3-94 157.63 5-14-96 161.58 -3.95 2,817 2,979 S 301 8-3-94 158.4 4-15-96 159.88 -1.48 2,820 2,980 S 200 10-7-94 136.1 4-16-96 128.9 7.2 2,891 3,020 V 260 10-7-94 126.73 5-24-96 123.02 3.71 2,967 3,000 V 260 7-26-94 181.37 4-16-96 186.5 -5.13 2,877 3,063 V -6 10-7-94 248.15 4-16-96 186.5 -5.13 2,877 3,063 V -6 10-7-94 181.37 4-16-96 186.5 -2.13 2,877 3,063 V -6 10-5-93 136.8 4-4-96 129.5 7.3 2,840 2,866 S -7 7-26-94 44.5 4-4-96 19.03 -7.4 2,917 2,936 S 130 10-6-93			195.03	4-16-96	195.5	47	2,867	3,062	S	405	240–340	
8-3-94 158.4 4-15-96 159.88 -1.48 2,820 2,980 S 200 10-7-94 136.1 4-16-96 128.9 7.2 2,891 3,020 V 280 10-7-94 126.73 5-24-96 123.02 3.71 2,967 3,090 V 260 7-26-94 181.37 4-16-96 186.5 -5.13 2,877 3,063 V -60 10-7-94 128.15 4-16-96 186.5 -5.13 2,877 3,063 V -60 10-7-94 181.37 4-16-96 186.5 -5.13 2,877 3,063 V -60 10-5-94 181.39 4-4-96 129.8 -2.35 2,840 2,860 V 405 7-26-94 44.5 4-4-96 19.03 -74 2,917 2,936 S 130 10-6-93 12.69 4-4-96 19.03 -74 2,917 2,936 S 130 11-18-93 <td>_</td> <td></td> <td>157.63</td> <td>5-14-96</td> <td>161.58</td> <td>-3.95</td> <td>2,817</td> <td>2,979</td> <td>S</td> <td>301</td> <td>189–291</td> <td></td>	_		157.63	5-14-96	161.58	-3.95	2,817	2,979	S	301	189–291	
10-7-94 136.1 4-16-96 128.9 7.2 2,891 3,020 V 280 10-7-94 126.73 5-24-96 123.02 3.71 2,967 3,090 V 260 7-26-94 181.37 4-16-96 186.5 -5.13 2,877 3,063 V -6 10-7-94 181.37 4-16-96 186.5 -5.13 2,877 3,063 V -6 10-5-93 136.8 4-16-96 186.5 7.3 2,877 2,866 V 425 7-26-94 44.5 4-4-96 19.88 -2.35 2,840 2,860 V 405 7-26-94 44.5 4-4-96 19.03 -7.4 2,917 2,936 S 130 10-6-93 12.69 4-4-96 19.03 -7.4 2,917 2,936 S 130 11-18-93 17.41 4-15-96 18.25 84 2,928 2,946 V 189 11-19-93			158.4	4-15-96	159.88	-1.48	2,820	2,980	S	200	120–200	
10-7-94 126.73 5-24-96 123.02 3.71 2,967 3,090 V 260 7-26-94 181.37 4-16-96 186.5 -5.13 2,877 3,063 V -6 10-7-94 181.37 4-16-96 186.5 -5.13 2,877 3,063 V -6 10-7-94 181.37 4-16-96 245.4 2.73 2,980 3,225 V -7 7-22-94 17.53 4-15-96 19.88 -2.35 2,840 2,860 V 405 7-26-94 44.5 4-4-96 19.03 -7.4 2,917 2,950 S -7 7-26-94 44.5 4-4-96 19.03 -7.4 2,917 2,936 S 130 10-6-93 12.69 4-4-96 19.03 -7.4 2,917 2,936 S 130 11-18-93 17.41 4-15-96 53.09 2.06 2,937 2,990 V 189	Ξ		136.1	4-16-96	128.9	7.2	2,891	3,020	>	280		
7-26-94 181.37 4-16-96 186.5 -5.13 2.877 3,063 V - 10-7-94 248.15 4-16-96 245.4 2.75 2,980 3,225 V 425 10-5-93 136.8 4-4-96 129.5 7.3 2,737 2,866 S - 7-22-94 17.53 4-15-96 19.88 -2.35 2,840 2,860 V 405 7-26-94 44.5 4-4-96 19.03 -74 2,917 2,936 S - 10-6-93 12.69 4-4-96 19.03 -74 2,917 2,936 S - 11-18-93 17.41 4-15-96 18.25 84 2,926 S - 11-19-93 55.15 4-15-96 53.09 2.06 2,936 2,990 V 100	_		126.73	5-24-96	123.02	3.71	2,967	3,090	>	260	120-260	
10-7-94 248.15 4-16-96 245.4 2.75 2,980 3,225 V 425 10-5-93 136.8 4-4-96 129.5 7.3 2,737 2,866 S — 7-22-94 17.53 4-15-96 19.88 -2.35 2,840 2,866 V 405 7-26-94 44.5 4-4-96 19.03 -74 2,917 2,950 S — 1 -26-94 18.29 4-4-96 19.03 -74 2,917 2,936 S 130 1 -26-94 18.29 4-4-96 19.03 -74 2,917 2,936 S 130 1 -26-94 18.29 4-4-96 12.73 04 2,897 2,910 S 1 11-18-93 17.41 4-15-96 53.09 2.06 2,937 2,990 V 189 1 - 19-93 55.15 4-15-96 53.09 2,936 2,990 V 100		7-26-94	181.37	4-16-96	186.5	-5.13	2,877	3,063	>	ł	165–384	
10-5-93 136.8 4-4-96 129.5 7.3 2,737 2,866 S — 7-22-94 17.53 4-15-96 19.88 -2.35 2,840 2,860 V 405 7-26-94 44.5 4-4-96 43.2 1.3 2,907 2,950 S — 7-26-94 18.29 4-4-96 19.03 74 2,917 2,936 S 130 1 10-6-93 12.69 4-4-96 12.73 04 2,897 2,910 S 1 11-18-93 17.41 4-15-96 18.25 84 2,928 2,946 V 189 1 11-19-93 55.15 4-15-96 53.09 2.06 2,937 2,990 V 100 1 - 19-93 55.15 4-15-96 54.3 - 2,936 2,990 V 100 1	_		248.15	4-16-96	245.4	2.75	2,980	3,225	>	425	240-418	
7-22-94 17.53 4-15-96 19.88 -2.35 2,840 2,860 V 405 7-26-94 44.5 44-96 43.2 1.3 2,907 2,950 S — 7-26-94 44.5 44-96 19.03 74 2,917 2,936 S 130 1 10-6-93 12.69 44-96 12.73 04 2,897 2,910 S - 1 11-18-93 17.41 4-15-96 18.25 84 2,928 2,946 V 189 1 11-19-93 55.15 4-15-96 53.09 2.06 2,937 2,990 V 100 1 - 19-93 55.15 4-15-96 54.3 - 2,936 2,990 V 100 1 - 19-93 55.15 4-15-96 54.3 - 2,936 2,990 V 100 1 - 29-96 284.62 - 2,790 3,075 V 490 1 - 3-29-96 274.45 - 2	_		136.8	4.4-96	129.5	7.3	2,737	2,866	S	١	I	
7-26-94 44.5 44-96 43.2 1.3 2,907 2,950 S — 7-26-94 18.29 44-96 19.03 74 2,917 2,936 S 130 10-6-93 12.69 44-96 19.03 74 2,917 2,936 S 130 11-18-93 17.41 4-15-96 18.25 84 2,928 2,946 V 189 11-19-93 55.15 4-15-96 53.09 2.06 2,937 2,990 V 100 - - 4-15-96 54.3 - 2,936 2,990 S 200 - - 3-29-96 284.62 - 2,790 3,075 V 490 - - 3-29-96 274.45 - 2,801 3,075 V 380	_	7-22-94	17.53	4-15-96	19.88	-2.35	2,840	2,860	>	405		
7-26-94 18.29 4-4-96 19.03 74 2,917 2,936 S 130 10-6-93 12.69 4-4-96 12.73 04 2,897 2,910 S 11-18-93 17.41 4-15-96 18.25 84 2,928 2,946 V 189 11-19-93 55.15 4-15-96 53.09 2.06 2,937 2,990 V 100 - - 4-15-96 54.3 - 2,936 2,990 S 200 - - 4-15-96 284.62 - 2,790 3,075 V 490 - - 3-29-96 274.45 - 2,801 3,075 V 380	_		44.5	4-4-96	43.2	1.3	2,907	2,950	S	ı	١	
10-6-93 12.69 4-4-96 12.73 04 2,897 2,910 S - 11-18-93 17.41 4-15-96 18.25 84 2,928 2,946 V 189 11-19-93 55.15 4-15-96 53.09 2.06 2,937 2,990 V 100 - - 4-15-96 54.3 - 2,936 2,990 S 200 - - 3-29-96 284.62 - 2,790 3,075 V 490 - - 3-29-96 274.45 - 2,801 3,075 V 380		•	18.29	4-4-96	19.03	74	2,917	2,936	S	130		
11-18-93 17.41 4-15-96 18.25 84 2,928 2,946 V 189 11-19-93 55.15 4-15-96 53.09 2.06 2,937 2,990 V 100		10-6-93	12.69	4-4-96	12.73	04	2,897	2,910	S	ŀ		
11-19-93 55.15 4-15-96 53.09 2.06 2,937 2,990 V 100 - - 4-15-96 54.3 - 2,936 2,990 S 200 - - 3-29-96 284.62 - 2,790 3,075 V 490 - - 3-29-96 274.45 - 2,801 3,075 V 380	_		17.41	4-15-96	18.25	84	2,928	2,946	>	189		
- - - 4-15-96 54.3 - 2,936 2,990 S 200 - - 3-29-96 284.62 - 2,790 3,075 V 490 - - 3-29-96 274.45 - 2,801 3,075 V 380	_		55.15	4-15-96	53.09	5.06	2,937	2,990	>	100	-	
3-29-96 284.62 2,790 3,075 V 490 2,801 3,075 V 380 380			l	4-15-96	54.3	ı	2,936	2,990	S	200	-	
— — 3-29-96 274.45 — 2,801 3,075 V 380	_		1	3-29-96	284.62	İ	2,790	3,075	>	490	470-490	
	\sim 1			3-29-96	274.45	1	2,801	3,075	>	380	360–380	

See footnote at end of table.

Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California—Continued

State well no.	USGS identification no.	Date	1990–94 depth to water (ft below land surface)	Date	1996 depth to water (ft below land surface)	Difference In depths to water (ft)	Aititude of water table (ft above sea level)	Aititude of land surface (ft above sea level)	Method of measure- ment	Depth of well (ft)	Screened or perforated interval (ft)	Well notes
4N/1W-13R3 ¹	342544116555003	ł		3-29-96	223.34	ı	2,852	3,075	Λ	260	240-260	
$-13R4^{1}$	342544116555004	I	1	3-29-96	ı	ı	1	3,075	^	130	110-130	Q
-14A2	342629116564401	8-3-94	105.34	4-15-96	105.95	-0.61	2,856	2,962	>	1	1	
-18Q1	342544117011501	10-6-93	79.46	5-15-96	79.89	43	2,920	3,000	S		70-150	
-21G1	342519116591401	12-2-92	172.46	5-14-96	173.42	96:-	2,948	3,121	S	250	1	
1196-	342416116564501	3_21_04	375 5	5_11_06	345	-19.5	3 077	3.422	Ω	077	415,470	
CN9-HC/NA	342643116471101	6-30-04	139 54	8-8-8	146 15	199	2 889	3.035	; >	2	2	
-13P1	342551116434301	6-29-94	108.1	5-8-96	107.93	17	2.887	2.995	· >	1	ŀ	
-17H2	342612116471601	6-30-94	135.95	8-8-96	135.97	02	2,894	3,030	~	205	163-201	
4N/2W-4Q1	342728117053001	4-21-94	241.97	4-4-96	242.08	11	2,838	3,080	S	200	300-500	
C	347636117054201		!	11 15 06	317		7 851	3 165	۵	007	0.206	
19.5	04502111004501	200	104	1 1 00	00.00	1	1,00,0	2,000	4 0	27 -	000	
-12N2	342637117025401	7-26-94	104.75	4-4-96	92.98	11.77	2,910	3,003	N .	192	60-192	
-16E1	342618117060701	12-7-93	341.12	5-15-96	338.35	2.77	2,852	3,190	>	380	325-375	
4N/3E-7G1	342708116422401	6-29-94	64.3	96-6-5	63.92	.38	2,831	2,895	>	26	95-97	
-1511	342600116385101	6-29-94	82.64	96-8-5	82.07	.57	2,781	2,863	>	68	87–89	
-16D1	342631116405301	79-67	101 56	96-9- \$	101 53	03	2 783	2,885	v.	200	1	
-23G1	342517116380601	6-29-94	72.72	5-8-96	72.5	.22	2,778	2,850	S	154	76-150	O at 107
-30C1	342448116424601	6-29-94	198.18	96-6-5	197.8	.38	2,882	3,080	>	ı	-	
4N/3W-1C3	342814117090301	4-21-94	207.95	4-5-96	205.94	2.01	2,801	3,007	S	300	I	
-1M1	342744117091101	4-21-94	240.35	4-4-96	235.29	5.06	2,810	3,045	>	I	1	
-4H1	342757117113901	1	+	3-16-96	203.45	1	2,792	2,995	~	404	1	
-7N1	342641117141601		ı	3-29-96	45.35	1	2,813	2,858	>	ļ	1	
-12A1 ¹	342726117082401	4-19-94	303.22	3-29-96	299.32	3.9	2,823	3,122	>	009	280-600	
-12A2 ¹	342726117082402	1	I	3-29-96	298.31	I	2,824	3,122	>	345	325-345	
-12A3 ¹	342726117082403	ŀ	1	3-29-96		ŀ	1	3,122	>	270	250-270	D

See footnote at end of table.

Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California—Continued

See footnote at end of table.

Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California—Continued

State well no.	USGS Identification no.	Date	1990–94 depth to water (ft below land surface)	Date	1996 depth to water (ft below land surface)	Difference in depths to water (ft)	Attitude of water table (ft above sea level)	Attitude of land surface (ft above sea level)	Method of measure- ment	Depth of well (ft)	Screened or perforated interval	Well notes
4N/4W-1C5 ¹	342814117150504	11-19-92	39.25	4-29-96	30.07	9.18	2,788	2,818	Λ	80	08-09	
-1D2	342815117152701	11-18-92	41.1	4-1-96	29.96	11.14	2,797	2,827	>	50	*	
-1R1	342729117144501	11-19-92	50.52	3-28-96	37.44	13.08	2,808	2,845	>	1	•	
$-3A2^{1}$	342805117164501	1	ı	3-29-96	178.66	ı	2,804	2,983	>	790	770–790	
-3A3 ¹	342805117164502	1	ŀ	3-29-96	204.02	1	2,779	2,983	>	510	490–510	
-3A4 ¹	342805117164503	1	1	2-29-96	203.03	1	2.780	2.983	>	360	340–360	
-3A5 ¹	342805117164504	3-9-94	207.23	3-29-96	204.12	3.11	2,779	2,983	>	235	195–235	
-8N2	342639117194001	12-1-93	435	4-1-96	434	_	2,784	3,218	æ	006	006-009	
-24P3	342450117151201	1	1	5-16-96	186.23	1	2,820	3,006	>	605	245–605	R
-36Q1	342305117145201	1	1	3-29-96	42.34	1	2,881	2,923	>	l	ŀ	
4N/5W-1C1	342813117212901	1	i	3-29-96	436	1	2,774	3,210	×	1	I	
-2H1	342749117214801	1	1	3-29-96	481	1	2,784	3,265	~	ı	1	
-21H1	342519117240701	ı	ı	2-20-96	646.6	ł	2,883	3,530	>	029	1	
4N/6E-27D1	342429116205601	1	ŀ	5-23-96	69.57	1	2,253	2,323	>	ł	1	
4N/6W-23M1	342503117290301	3-8-94	80.086	4-5-96 1001	1001	-20.92	2,919	3,920	>	1,030	1	
5N/1E-17D1	343153116542301	12-17-92	158.05	8-7-96	157	1.05	2,723	2,880	>	1	1	
-32B2	342910116534801	7-22-94	169.84	5-16-96	162.9	6.94	2,707	2,870	>	465	240 400	S
-32L1	342837116540401	12-2-92	160.2	5-24-96	159.2	_	2,711	2,870	>	200	1	
-35F3	342851116510701	6-30-94	154.85	2-8-96	156.1	-1.25	2,786	2,942	>	250	210-250	
5N/1W-12H2	343219116553701	7-21-94	151.16	5-17-96	175.52	-24.36	2,696	2,872	S	230	80–230	
-25G1	342943116555201	7-22-94	132.08	5-15-96	130.28	1.8	2,720	2,850	S	200	164–200	
-28F1	342948116593301	7-22-94	35.77	5-17-96	36.25	48	2,829	2,865	S	1	•	
-31C1	342916117012601	7-26-94	218.7	5-17-96	229.3	-10.6	2,851	3,080	S	252	1	
-36R1	342826116553901	7-22-94	156.98	5-16-96	143.5	13.48	2,718	2,861	>	468	148-468	O at 345
5N/2W-32Q1	342826117063201		ŀ	5-15-96	184.87	1	2,829	3,014	S	315	250-295	

See footnote at end of table.

Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California—Continued

Weil notes															~		Н								~
Screened or perforated interval (ft)	80-240	1	180-384	1	90–153	I	232–236.5	189–194	163-168	143–148	270–280	218–228	185–195	J	1	142–360	1	1	1	320-340	180–200	80–100	30-50	200-600	I
Depth of well (ft)	240	150	384	347	153	264	237	194	168	148	285	233	200	ŀ	l	9	65	130	1	340	200	100	20	009	1
Method of measure- ment	S	S	~	>	>	>	>	>	S	S	>	>	>	>	~	>	1	S	>	~	~	2	~	S	~
Attitude of land surface (ft above sea level)	2,910	2,904	2,935	2,934	2,916	2,930	2,950	2,950	2,950	2,950	2,960	2,960	2,960	2,710	2,860	2.895	2,788	2,788	2,810	2,750	2,750	2,750	2,750	2,745	2,930
Attitude of water table (ft above sea level)	2,760	2,794	2,796	2,803	2,801	2,803	2,796	2,796	2,799	2,803	2,784	2,784	2,786	2,699	2,708	2.733	1	2,728	2,743	2,742	2,749	2,738	2,736	2,743	2,747
Difference In depths to water (ft)	-3.95	1	3.94	2.33	-1.51	62	I	ŀ	1	1	ı	1	6.07	76	I	22.7	i	62	1	1	1	1	3.95	2.38	I
1996 depth to water (ft below land surface)	149.64	110.15	138.75	130.85	115.28	127.18	153.79	153.59	151.43	147.35	175.99	175.75	173.9	10.74	151.9	161.2	1	59.56	66.83	7.94	74	12.44	14.42	2.35	183.3
Date	5-14-96	5-14-96	3-13-96	5-16-96	4-5-96	5-16-96	5-14-96	5-20-96	5-14-96	5-20-96	5-14-96	5-14-96	5-14-96	3-28-96	4-12-96	4-12-96	1	5-22-96	3-29-96	3-28-96	3-28-96	3-28-96	3-28-96	4-4-96	4-12-96
1990–94 depth to water (ft below land surface)	145.69	1	142.69	133.18	113.77	126.56	ı	1	1	1	I	١	182.97	86.6	1	183.9	ŀ	58.94	1	1	1	1	18.37	4.73	l
Date	5-18-94	1	11-18-92	11-17-93	4-19-93	1–5–93	I	1	ł	1	1	1	11-18-92	11-18-92	l	1–5–94	1	11–23–92	1	l	ļ	1	11-19-92	11-18-92	l
USGS identification no.	343239117120101	343218117123401	343035117104901	343015117102301	343053117094401	343005117092301	342938117111901	342938117111902	342938117111903	342938117111904	342959117133001	342959117133002	342959117133003	343239117172401	343239117194801	343146117190401	343150117151501	343150117151502	343054117152901	343145117163501	343145117163502	343145117163503	343145117163504	343111117165801	343023117185501
State well no.	5N/3W-4P1	-5R3	-22G1	-22J1	-23B1	-23R1	-27E3 ¹	-27E4 ¹	-27E5 ¹	$-27E6^{1}$	-30A1 ¹	$-30A2^{1}$	-30A3 ¹	5N/4W-3P3	-6R1	-801	-11PI	-11P3	-13NI	-14D1 ¹	$-14D2^{1}$	$-14D3^{1}$	-14D4 ¹	-15K1	-2013

Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California—Continued

5N/4W-23B1	Identification no.	Date	depth to water (ft below land surface)	Date	1996 deptin to water (ft below land surface)	Difference In depths to water (ft)	of water table (ft above sea level)	land sur- face (ft above sea level)	Method of measure- ment	Depth of well (ft)	Screened or perforated Interval (ft)	Well notes
1030	343046117155801			1-16-96	2.07		2,748	2,750	S	10	0-9.5	
1707-	342916117145501	11-18-92	15.91	3-28-96	12.76	3.15	2,787	2,800	>	100	1	
-34N1	342825117173301	l	1	4-12-96	231.4	1	2,769	3,000	~	1	1	~
-35J2	342840117153301	11-19-92	74.73	3-28-96	54.41	20.32	2,761	2,815	>	400	100-400	
5N/5W-22E1	343027117235201	1	I	1	-	ŀ	i	3,121	1	340	1	Н
-22E2	343027117235001	9-9-91	354.99	4-10-96	356.52	-1.53	2,765	3,122	S	510	1	
-35C3	342904117223501	ł	ı	3-29-96	14	1	2,764	3,205	×	1	1	
-35J1	342835117220301	1	I	3-29-96	432	1	2,778	3,210	×	۱	1	
5N/6W-12E2	343213117275301	11-15-90	178	5-16-96	180.15	-2.15	2,880	3,060	S	400	230-400	
–22E1 ¹	343030117300901	1	1	3-28-96	352.16	•	2,908	3,260	>	750	730–750	
-22E2 ¹	343030117300902	1	1	3-28-96	357.99	ı	2,902	3,260	>	565	545–565	
-22E3 ¹	343030117300903	6-8-94	349.29	3-28-96	353.61	-4.32	2,906	3,260	>	400	380-400	
-36R1	342814117271801	I	1	3-29-96	527	1	2,895	3,422	R	672	480–672	
5N/7W-17D1	343139117383101	11-13-92	308.56	5-29-96	301.35	7.21	2,924	3,225	S	1	1	
-28L1	342923117370601	1	1	4-10-96	543.85	1	2,961	3,505	>	979	979–909	
6N/1W-511	343802116595901	3-21-94	115.35	5-17-96	115.72	37	401.6	3.220	v.	1	I	
-22P1	343513116582201	7-21-94	150.46	5-17-96	149.45	1.01	2,910	3,059	S	350	1	
-27B1	343500116581401	7-21-94	141.56	5-17-96	144.8	-3.24	2,895	3,040	S	1	1	
-27R1	343417116574501	7-21-94	182.72	5-17-96	187.83	-5.11	2,850	3,038	S	354	168-288	
-36J1	343338116553801	7–21–94	197.53	5-17-96	192.9	4.63	2,755	2,948	S	266	226–266	
6N/3W-8N1	343708117132401	1-5-93	74.62	5-14-96	73.16	1.46	2,999	3,072	S	١	1	
-9M1	343722117122001	4-11-94	22.74	4-3-96	22.57	.17	3,055	3,078	>	72	1	
-1501	343605117103101	10-5-93	114.97	5-14-96	113.43	1.54	3,019	3,132	S	230	140–230	
-17B3	343655117124601	4-11-94	67.94	4-3-96	68.29	35	2,974	3,042	>	l	1	
-32R3	343328117122401	1-5-93	175.1	4-3-96	165.99	9.11	2,756	2,922	S	197	166-196	×

See footnote at end of table.

Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California—Continued

3	P, N P, N S 221 S 25 14.5-24.5 S 192-420
	221 25
2,595 S 2,625 V	
	2,630 2,6 2,630 2,6 2,612 2,6 2,585 2,6
1 1 1	99.
12.47 18.6	6.04 9.54 20.45 8.24 65.11
4-9-96	4-9-96 3-29-96 5-14-96 2-14-96 3-29-96
1 1	 10.2 20.73
343549117203601 343549117203601	343530117200401 343433117194201 34346117201201 343435117195501 343430117202401
-19C8 -19E2 -19K1	-29M1 -30G4 -30J2 -30P5

See footnote at end of table.

Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California—Continued

State well no.	USGS identification no.	Date	1990–94 depth to water (ft below land surface)	Date	1996 depth to water (ft below land surface)	Difference In depths to water (ft)	Attitude of water table (ft above sea level)	Attitude of land surface (ft above sea level)	Method of measure- ment	Depth of weii (ft)	Screened or perforated Interval (ft)	Well notes
6N/5W-12K1	343710117211701	I	1	96-6-4	13.32	ŀ	2,576	2,589	Λ	09		
-12K2	343719117211701	l	ı	3-13-96	7.4	1	2,571	2,578	>	57	ł	Z
-12L5	343721117213001	1	ı	3-13-96	58.14	[2,578	2,636	>	I	64-74	Z
-12P2	343704117212801	1	ı	4-9-96	34.45	ŀ	2,581	2,615	>	43	ł	
-12Q2	343659117211701	ł	1	4-9-96	21.97	ŀ	2,580	2,602	>	45	ł	Z
-13B1 ¹	343655117210701	ŀ	ŀ	5-14-96	5 86	l	2,574	2.580	>	J	93-103	
$-13B2^{1}$	343655117210702		ı	5-14-96	6.03	ŀ	2.574	2.580	>	ļ	15-25	
-13G4	343632117211201	l	1	4-9-96	31.64	ŀ	2,585	2,616	>	38	ŀ	
-13G6	343637117211102		I	4-9-96	14.96	I	2,584	2,599	>	18	I	
-20A1	343602117251001	3-10-94	234.05	4-3-96	234.76	-0.71	2,587	2,822	>		1	
-24P3	343522117212101	l	1	3-26-96	277.53	I	2,583	2,861	>	294	274–294	
-34E3	343358117235701	I	l	4-8-96	327.32	ŀ	2,588	2,915	>	I	ŀ	
-34F1	343358117232801	I	ł	4-8-96	330.08	I	2,588	2,918	S	ļ	l	
6N/6W-6Q3	343801117324401	5-21-93	114	4-3-96	121.9	6.7-	2,773	2,895	S	150	ł	
-13R1 ¹	343607117271201	6-22-93	55.99	5-16-96	55.33	99.	2,762	2,817	>	ļ	ŀ	
-13R2 ¹	343607117271202	1	ı	5-16-96	55.75	ŀ	2.761	2.817	>	ļ	ł	
-14L1	343631117285801	11-15-92	142.98	4-3-96	143.62	64	2,665	2,809	S	280	I	
-2132	343534117303001	5-27-91	133.03	5-16-96	129.98	3.05	2,756	2,886	>	200	110-200	
-21L2	343532117305902	4-1-94	92.65	4-3-96	92.49	91.	2,803	2,895	S	J	ł	
-30M1	343435117333301	11-15-92	118.34	5-16-96	119.25	91	2,873	2,992	S	1	ł	
6N/7W-9L1	343726117372201	4-28-93	76.43	4-3-96	79.95	-3.52	2,782	2,862	>	172	130–142	
-10P2	343712117361701	10-30-91	37.49	5-22-96	38.99	-1.5	2,825	2,864	S	320	70–320	O at 260
-18NI	343613117394101	4-28-93	99.99	4-3-96	67.31	99	2,848	2,915	>	160	ł	
-21A2	343606117365601	11-1-90	70.64	5-16-96	72.72	-2.08	2,836	2,909	S	200	80-194	
7N/4W-6N1	344318117204701	11-19-92	19:69	3-28-96	38.72	30.89	2,451	2,490	>		74-452	

See footnote at end of table.

Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California—Continued

State well no.	USGS identification no.	Date	1990–94 depth to water (ft below land surface)	Date	1996 depth to water (ft below land surface)	Difference In depths to water (ft)	Altitude of water table (ft above sea level)	Atttude of land surface (ft above sea ievel)	Method of measure- ment	Depth of well (ft)	Screened or perforated interval (ft)	Well notes
7N/4W-7B3	344259117201001	11-17-92	26.63	3-28-96	19.01	7.62	2,451	2,470	>	1	1	
-1905^{1}	344030117201101	1	-	4-9-96	67.75	***	2,522	2,590	>	594	534-574	
-1906^{1}	344030117201102	-	ŀ	4-9-96	79.75	ı	2,510	2,590	>	276	256–276	
$-19Q7^{1}$	344030117201103	11-16-92	87.03	4-9-96	87.83	8. i	2,502	2,590	>	150	130-150	
-30C1	344026117202301		I	4-9-96	60.82	į	2,500	2,561	>	73	l	
-30E1	344004117204301	l	ŀ	4-9-96	30.24	ŀ	2,505	2,535	>	1	l	
-31D3	343934117204801		l	4-9-96	28.7	ı	2,514	2,543	>	42	1	
-31E3	343918117203301	1	1	4-9-96	48.47	l	2,527	2,575	S	200		
-31L1	343858117202801	ı	1	3-28-96	101.71	1	2,518	2,620	>	1	1	
7N/5W-5D2	344346117260101	11-20-92	293.62	5-16-96	321.58	-27.96	2,398	2,720	S	402		
-13H1 ¹	344159117205701	I	ŀ	3-14-96	14.15	1	2,461	2,475	>	100	90–100	
-13H2 ¹	344159117205702	ı	ı	3-14-96	1.16	ŀ	2,474	2,475	>	25	15–25	
-23R1 ¹	344036117215201		ł	3-28-96	283.02	1	2,442	2,725	~	740	700-740	
$-23R2^{1}$	344036117215202	İ	ŀ	3-28-96	283.74	1	2,441	2,725	×	510	490–510	
-23R3 ¹	344036117215203		ł	3-28-96	239.46	ı	2,486	2,725	ĸ	315	295–315	
-23R4 ¹	344036117215204		ŀ	2-29-96				2.725	~	92	57-92	_
-24P4	344029117213601	İ	I	3-28-96	10.5	ı	2,500	2,510	S	1	1	
-24R5 ¹	344028117210601		١	4-9-96	72	İ	2,433	2,505	>	550	510-550	
$-24R6^{1}$	344028117210602	l	ļ	4-9-96	69.91	1	2,435	2,505	>	285	265–285	
-24R7 ¹	344028117210603	1	ł	4-9-96	29.35	ŀ	2,476	2,505	>	150	130–150	
-24R8 ¹	344028117210604	11–16–92	86.6	4-9-96	9.33	59:	2,496	2,505	>	50	45–50	
-25K6	343955117211201		I	4-9-96	8.71	ı	2,514	2,523	>	240		
-25R4	343945117205801	1	ŀ	3-28-96	10.25	1	2,520	2,530	>	1	65–85	
-25R5	343946117205001			4-9-96	22.14	İ	2,514	2,536	>	32	İ	
-34G1	343909117232201	3-9-94	176.15	4-4-96	172.1	4.05	2,574	2,746	>	200	1	

Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California—Continued

d or ted Well notes al												_	_	_											
Screened or perforated Interval (ft)		60-115	l	1	100-140	ŀ	Ì	1	l	295–315	220-240	150-170	80-100	440-460	330–350	250-270	140–160	30–50	350–370	210-230	120–140	30-40	153-253	1	000
Depth of well (ft)	50	115	1	J	180	200	١	١	49	315	240	170	100	460	350	270	160	20	370	230	140	40	253	360	5
Method of measure- ment	S	S	>	>	>	>	>	>	>	>	~	>	>	>	>	>	>	>	>	>	>	>	S	S	
Attitude of land surface (ft above sea level)	2,275	2,290	2,315	2,514	1,782	2,367	2,355	2,350	2,329	2,458	2,458	2,458	2,458	2,397	2,397	2,397	2,397	2,397	2,385	2,385	2,385	2,385	2,489	2,478	6
Altitude of water table (ft above sea level)	2,263	2,284	2,292	2,341	1,757	2,299	2,343	2,316	2,316	2,388	2,388	2,388	2,388	2,390	2,391	2,391	2,392	2,391	2,373	2,375	2,379	2,379	2,317	2,312	000
Difference In depths to water (ft)	5.95	29.9	11.04	.27	-3.85	ı	13.33	12.42	12.96		1	1	I	I	l	1	1	1	1	-	ı	2.99	.62	-1.38	
1996 depth to water (ft below land surface)	11.6	6.07	22.72	173.25	25.18	67.82	11.51	34.28	13.42	70.11	70.19	69.69	70	6.84	6.53	5.81	5.8	6.75	12.25	99.6	6.38	6.5	171.88	166.37	0001
Date	3-27-96	5-23-96	3-27-96	4-17-96	5-2-96	5-21-96	3-27-96	3-28-96	3-27-96	3–27–96	3-27-96	4-29-96	4-29-96	3-27-96	3-27-96	3–27–96	3-27-96	3-27-96	3-27-96	3-27-96	3–27–96	3-27-96	5-14-96	4-8-96	70 00 1
1990–94 depth to water (ft below land surface)	17.55	12.74	33.76	173.52	21.33	ł	24.84	46.7	26.38	1	1	I		1	ı	1	١	ŀ	ŀ	I	ŀ	9.49	172.5	164.99	
Date	11-19-92	11-24-92	11-18-92	11-14-92	4-20-93	l	11-17-92	11-19-92	11-17-92	ŀ	1	1	I	ł	ł		1	1	1	1	1	9-24-93	11-15-90	11-14-92	
USGS Identification no.	344859117113001	344841117125301	344803117125101	344547117134201	344810116331201	344733117173801	344728117165001	344818117151501	344728117145601	344611117200801	344611117200802	344611117200803	344611117200804	344546117190101	344546117190102	344546117190103	344546117190104	344546117190105	344609117182901	344609117182902	344609117182903	344609117182904	344544117154601	344557117143701	10100111101110
State well no.	8N/3W-4A7	-5J1	-8F1	-1901	8N/4E-10E1	8N/4W-9R1	-1001	-12C1	-1201	-19G1 ¹	-19G2 ¹	$-19G3^{1}$	$-19G4^{1}$	$-20Q7^{1}$	-2008^{1}	-20091	$-20Q10^{1}$	$-20Q11^{1}$	$-21M1^{1}$	$-21M2^{1}$	-21M3 ¹	$-21M4^{1}$	-23Q1	-24J2	1000

See footnote at end of table.

Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California—Continued

identification no.	Date	water (ft below land	Date	to water (ft below land surface)	in depths to water (ft)	- + B	land sur- face (ft above sea	Method of measure- ment	Depth of well (ft)	perforated interval	Well notes
344524117193402		surface)	4-20-06	18 96		level)	level)	>	210	190-210	
344524117193403	1	I	4-29-96	18.21	١	2,391	2,409	>	130	110-130	
344524117193404	ł	1	4-29-96	11.83	1	2,398	2,409	>	40	30-40	
344401117194701		ı	3-28-96	24.5	١	2,425	2,449	S	1	1	
344819117302801	11–21–92	127.69	5-21-96	127.65	0.04	2,637	2,765	>	240	1	
344658117293501	11–21–92	158.44	5-21-96	158.41	.03	2,651	2,809	>	294	1	
344520117293101	10-26-92	165.01	4-18-96	163.57	1.4	2,768	2,932	>	403	383-403	
345356116523001	ŀ	l	3-26-96	152.47	I	1,813	1,965	>	470	450-470	
345356116523002	1	1	3-26-96	152.22	1	1,813	1,965	>	340	320-340	
345356116523003	9-21-93	142.62	3-26-96	151.2	-8.58	1,814	1,965	>	195	175–195	
345413116552201	4-22-93	251.85	4-24-96	277	-25.15	1,822	2,099	>	480	I	
345410116544101	1	1	5-13-96	131.94	1	1,848	1,980	S	320	ŀ	
345304116515801	1-11-94	137.75	ŀ	ŀ	1	ŀ	1960	>	428	1	
345259116514201	1	ı	3-26-96	143.29	1	1,805	1,948	>	550	530-550	
345259116514202	ł	1	3-26-96	144.04	1	1,804	1,948	>	350	330–350	
345259116514203	9-21-93	134.37	3-26-96	144.08	-9.71	1,804	1,948	>	200	180-200	
345230116512101 1	11–20–92	132.54	3-26-96	134.92	-2.38	1,825	1,960	>	١	1	
345207116520801 1	11-17-92	151.82	3-26-96	162.86	-11.04	1,807	1,970	>	1	120-200	
345224116525701	1	1	3-26-96	127.11	1	1,823	1,950	>	410	390-410	
345224116525702	1	1	3-26-96	127.55	1	1,822	1,950	>	340	320-340	
345224116525703		I	4-29-96	127.99	1	1,822	1,950	>	250	230-250	
345224116525704	9-21-93	108.85	3-26-96	130.01	-21.16	1,820	1,950	>	150	130-150	
345126116543301	4-23-93	178.67	4-22-96	181.5	-2.83	1,963	2,144	S	415	180-218	O at 323
345151116515201 1	11-17-92	148.18	3-26-96	159.33	-11.15	1,816	1,975	>	200	ŀ	
345127116502701 1	11-17-92	169.02	3-26-96	171.21	-2.19	1,809	1,980	>	۱	1	

See footnote at end of table.

Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California—Continued

State well no.	USGS Identification	Date	1990–94 depth to water (ft	Date	1996 depth to water (ft	Difference in depths	Altitude of water table (ft	Altitude of land surface (ft	Method of measure-	Depth of well	Screened or perforated	Well notes
	no.		below land surface)		below land surface)	to water (ft)	Œ	above sea level)	ment	(#)	interval (ft)	
9N/1W-4J8	345345116585401	11-20-92	37.92	3-26-96	9.62	28.3	2,040	2,050	^		-	
-4M5 ¹	345351116593302	ŀ	ŀ	3-26-96	29.32	ŀ	2,041	2,070	>	250	230–250	
-4M6 ¹	345351116593303	1	ł	3-26-96	29.65	ŀ	2,040	2,070	>	160	140–160	
-4M7 ¹	345351116593304	1-28-93	28.17	3-26-96	29.32	-1.15	2,041	2,070	>	80	40-80	
-4R2 ¹	345339116584501	l	l	3-26-96	7.48	1	2,038	2,045	>	280	260-280	
-4R3 ¹	345339116584502	l	ŀ	3-26-96	10.1	ŀ	2,035	2,045	>	140	120–140	
-4R41	345339116584503	ŀ	I	3-26-96	86.6	I	2,035	2,045	>	40	20-40	
$-9D5^{1}$	345328116594301	I	ŀ	3-26-96	19.83	I	2,074	2,094	>	200	480-500	
$-9D6^{1}$	345328116594302	ł	I	3-26-96	27.33	1	2,067	2,094	>	300	280–300	
-9D7 ¹	345328116594303	ı	ı	3-26-96	37.53	ł	2,056	2,094	>	190	170–190	
-9D8 ¹	345328116594304	2–11–93	54.17	3–26–96	47.16	7.01	2,047	2,094	>	80	08-09	
-10E4	345304116584201	İ	ŀ	5-14-96	20.77	ŀ	2,039	2,060	S	102	99.6-101.6	
$-10J12^{1}$	345251116574201	I	ŀ	3-26-96	13.71	I	2,020	2,034	>	610	590-610	
$-10J13^{1}$	345251116574202	ł	ŀ	3-26-96	14.69	ŀ	2,019	2,034	>	370	350-370	
$-10J14^{1}$	345251116574203	l	ŀ	3-26-96	12.11	I	2,021	2,034	>	200	180-200	
-101151	345251116574204	11–16–92	21.77	3-26-96	11.6	10.17	2,022	2,034	>	100	80–100	
$-11K12^{1}$	345254116570401	I	ł	3-26-96	8.29	I	2,014	2,022	>	590	570-590	
-11K13 ¹	345254116570402	I	ł	3-26-96	8.58	I	2,014	2,022	>	315	295–315	
$-11K14^{1}$	345254116570403	ı	I	3-26-96	6.49	ŀ	2,016	2,022	>	180	160-180	
-11K15 ¹	345254116570404	11-16-92	14.57	3-26-96	6.55	8.02	2,016	2,022	>	06	70–90	
-11M11	345254116572404	1	ı	5-14-96	4.27	1	2,011	2,015	S	75	35–75	
$-11R1^{1}$	345243116563801	1	ļ	5-14-96	50.69	1	2,011	2,032	S	52	50-52	
-11R2 ¹	345243116563802	1	1	5-14-96	22.58	1	2,010	2,033	S	ŀ	100-102	
$-12L2^{1}$	345251116560601	1	i	3-26-96	68.6	ŀ	1,992	2,002	>	450	430-450	
-12L3 ¹	345251116560602	ŀ	I	3-26-96	9.25	l	1,993	2,002	>	320	300–320	

See footnote at end of table.

Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California—Continued

9NVIN—12L4 342551116506063 1 3-26-96 9.25 — 1994 2002 V 185 165-185 -12L5 342521116560004 11-16-92 2.427 3-26-96 15.88 1.994 2.002 V 600 60-80 -12N4 342521116562101 — 3-26-96 1.083 — 1.994 2.000 V 600 60-80 -12N4 345242116562103 — 3-26-96 1.083 — 1.994 2.000 V 600 60-80 -12N4 345242116562103 — 3-26-96 1.083 — 1.994 2.000 V 60-80 60-80 -12N6 345242116562103 — 3-26-96 1.082 1.994 2.000 V 70 60-80 -13R2 345242116562103 — 3-26-96 1.082 1.994 2.000 V 70 60-80 -13R2 3454011645103 — 3-26-96 1.082 1.994 2.000	State well no.	USGS identification no.	Date	1990–94 depth to water (ft below land surface)	Date	1996 depth to water (ft below land surface)	Difference in depths to water (ft)	Altitude of water table (ft above sea level)	Attitude of land surface (ft above sea level)	Method of measure- ment	Depth of well (ft)	Screened or perforated interval (ft)	Well notes
41 345251116560004 11-16-92 2427 3-26-96 8.39 15.88 1.994 2.002 V 60-80 41 345251116560010 1 2 3-26-96 17.19 — 1.994 2.010 V 60-80 51 34522116562013 — 3-26-96 17.19 — 1.999 2.010 V 60 2.0-60 4 34522116562013 — 3-26-96 17.13 — 1.999 2.010 V 60-80 60-80 3 34522116562013 — 3-26-96 10.82 15.2 1.999 2.010 V 60-80 60-80 4 34522116562014 11-16-20 26.74 3-26-96 10.82 15.2 1.999 2.010 V 60-80 60-80 4 34522116562001 11-24-92 28.75 - 1.996 2.010 V 10-10 1 10-10 4 345225116655001 1-2-2-96 18.75 1.996 <td>9N/1W-12L4¹</td> <td>345251116560603</td> <td>I</td> <td>1</td> <td>3-26-96</td> <td>9.25</td> <td>ŀ</td> <td>1,993</td> <td>2,002</td> <td>Λ</td> <td>185</td> <td>165-185</td> <td></td>	9N/1W-12L4 ¹	345251116560603	I	1	3-26-96	9.25	ŀ	1,993	2,002	Λ	185	165-185	
41 345242116662101 - - 3-26-96 17.19 - 1.993 2.010 V 640 620-640 51 345242116662102 - - 3-26-96 17.19 - 1.999 2.010 V 310 290-310 71 345242116662103 - - 3-26-96 11.21 - 1.999 2.010 V 340 620-640 71 345242116662103 11-6-92 28.78 - 1.999 2.010 V 300 60-80 71 345242116662103 11-6-92 28.78 - 1.984 1.995 8 1.00 V 300 60-80 345225116652001 11-2-22 28.78 - 1.986 1.995 8 1.00 V 301 30-110 345225116553001 11-2-20 28.78 1.50 1.984 0 45-00 8 1.00 45-00 8 1.00 45-00 8 1.00 V	-12L5 ¹	345251116560604	11-16-92	24.27	3-26-96	8.39	15.88	1,994	2,002	>	80	0809	
51 345242116562102 — — 3-26-96 10.83 — 1.999 2010 V 310 290-310 64 345242116562103 — — 3-26-96 11.21 — 1.999 2010 V 310 190-170 71 345242116562104 11-16-92 26.74 3-26-96 11.21 — 1.999 2010 V 310 190-170 24 345224116562104 11-16-92 26.74 3-26-96 11.22 1.986 2000 S 110 150-170 24 345224116563100 — — 5-15-96 18.75 1.986 2.000 S 110 150-170 3452411653400 — — 5-15-96 18.77 — 1.987 2.000 S 106-110 34540811665100 — — 5-15-96 11.47 — 4.99 2.000 S 106-110 345408116651600 — — 4-22-96 11.42	-12N4 ¹	345242116562101	١	ŀ	3-26-96	17.19	ŀ	1,993	2,010	>	640	620-640	
61 345242116562103 — 3-26-96 11.21 — 1-999 2,010 V 170 150-170 71 345242116562104 11-16-92 26.74 3-26-96 11.82 15.92 1.999 2,010 V 170 150-170 71 345242116562001 11-16-92 26.74 3-26-96 1.88 15.2 1.986 2,000 S 110 30-110 4 345225116555001 11-24-92 28.78 — 1.986 1.995 S 100 45-50 4 345225116555002 — - 5-15-96 8.79 — 1.986 2,000 S 100 45-50 4 34522116555002 — - 5-15-96 18.02 — 1.984 2,000 S 100 45-50 1 34514116554001 — - 5-15-96 11.02 — 1.984 2,000 S 100 45-50 1 34514116554001	-12N5 ¹	345242116562102	ł	ŀ	3-26-96	10.83	ŀ	1,999	2,010	>	310	290-310	
14 345242116562104 11-16-92 26.74 3-26-96 10.82 15.92 1.999 2010 V 80 60-80 34 345223116556001 11-24-92 28.78 5-15-96 13.58 15.2 1.986 2000 S 110 30-110 4 345223116556001 11-24-92 28.78 5-15-96 8.79 — 1.986 2000 S 110 30-110 2 345223116558002 — — 5-15-96 8.79 — 1.986 2000 S 100 45-50 1 34502111653602 — - 5-15-96 16.02 — 1.984 2.000 S 105-10 1 34504511653602 — — 4-22-96 211.17 — 2.039 2.250 V S68 546-58 1 34504511653602 — — 4-22-96 211.17 — 2.039 V S68 546-548 2 3450411164516	-12N6 ¹	345242116562103	l	ŀ	3-26-96	11.21	l	1,999	2,010	>	170	150-170	
2 345228116550001 11-24-92 28.78 5-15-96 8.79 — 1,986 2,000 S 110 30-110 3 345228116555001 — 5-15-96 8.79 — 1,987 1,995 S 10 35-10 4 345225116555001 — 5-15-96 8.45 — 1,987 1,995 S 10 36-110 2 34525116555001 — 5-15-96 16.02 — 1,984 1,995 S 10 45-50 3 3451411657802 — 5-15-96 16.02 — 1,984 V 568 546-58 3 345408116451001 11-16-92 66.48 3-26-96 17.22 -4.94 1,894 V 588 546-548 3 345408116451002 — 3-26-96 105.06 — 1,743 1,848 V 66.9 546-548 3 34540116451002 — 3-26-96 102.54 — 1,743	-12N7 ¹	345242116562104	11-16-92	26.74	3-26-96	10.82	15.92	1,999	2,010	>	80	08-09	
34525116555001 —	-13B2	345228116560001	11-24-92	28.78	5-15-96	13.58	15.2	1,986	2,000	S	110	30–110	
41 345225116555002 - 5-15-96 8.45 - 1,987 5 1,997 5 1,09 5 1,09 5 1,09 5 1,09 5 1,09 5 1,09 5 1,09 5 1,09 5 1,09 5 1,09 1,00 5 1,00<	$-13B3^{1}$	345225116555001	1	ŀ	5-15-96	8.79	1	1,986	1,995	S	09	45–50	
2 345214116554001 — 5—15—96 16.02 — 1,984 2,000 S 108 65–108 2 345145116575802 — 4—15—96 211.17 — 2,039 2,250 V 290 288–290 345405116587201 6—24—93 422.79 422.96 71.42 —4.94 1,894 V 568 546–548 345405116451601 11—16—92 66.48 3—26—96 71.42 —4.94 1,894 V 560 580–500 1 345416116451601 11—16—92 66.48 3—26—96 104.96 — 1,743 1,848 V 600 580–500 1 345416116451602 — 3—26—96 10.95 — 1,747 1,848 V 600 580–600 1 345416116451602 — 3—26—96 10.254 — 1,747 1,848 V 470–490 470–490 1 345404116451802 — 3—26—96 51.57 —	$-13B4^{1}$	345225116555002	1	1	5-15-96	8.45	1	1,987	1,995	S	120	105-110	
2 345145116575802 - 4-22-96 211.17 - 2.039 2.250 V 288-290 1 345045116587201 6-24-93 422.75 5-2-96 422.02 73 2.039 2.250 V 568 546-548 3454081164651001 11-16-92 66.48 3-26-96 17.12 -4.94 1,875 S 120 40-120 1 34540116451601 11-16-92 66.48 3-26-96 104.96 - 1,743 1,848 V 600 580-600 1 345416116451601 - 3-26-96 104.96 - 1,745 1,848 V 490 470-490 1 345416116451601 - 3-26-96 10.99 - 1,745 1,848 V 490 470-490 1 345416116451801 - 3-26-96 10.99 - 1,745 1,848 V 400 470-490 1 345404116451801 - 3-26-96 51.57	-13H2	345214116554001	1	ł	5-15-96	16.02	ł	1,984	2,000	S	108	65-108	
1 345045116582701 6-24-93 422.75 5-2-96 422.02 .73 2,058 2,480 V 568 546-548 1 345408116460101 11-16-92 66.48 3-26-96 71.42 -4.94 1,804 1,875 S 120 40-120 1 345416116451601 - - 3-26-96 105.06 - 1,743 1,848 V 600 580-600 1 345416116451602 - - 3-26-96 102.54 - 1,745 1,848 V 600 580-600 1 345416116451602 - 3-26-96 10.254 - 1,745 1,848 V 650 580-600 1 345404116451802 - 3-26-96 10.254 - 1,747 1,848 V 650 580-500 1 345404116451802 - - 3-26-96 51.57 - 1,801 1,853 V 510 90-53 1 3454	-15Q2	345145116575802	I	ł	4-22-96	211.17	ŧ	2,039	2,250	>	290	288–290	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-27D1	345045116582701	6-24-93	422.75	5-2-96	422.02	.73	2,058	2,480	>	895	546-548	O at 508
345416116451601 — 3-26-96 105.06 — 1,743 1,848 V 600 580-600 345416116451602 — 3-26-96 104.96 — 1,743 1,848 V 490 470-490 345416116451603 — 3-26-96 102.54 — 1,745 1,848 V 140 120-140 345404116451801 — 3-26-96 52.29 — 1,747 1,848 V 650 630-650 345404116451802 — 3-26-96 51.57 — 1,801 1,853 V 510 490-510 345404116451803 — 3-26-96 51.57 — 1,802 1,833 V 510 490-510 345404116451803 — 3-26-96 51.06 — 1,802 1,833 V 510 490-510 345404116451803 — 3-26-96 51.06 — 1,804 1,803 V 510 490-510 345404116451805	9N/2E-3E2	345408116460101	11-16-92	66.48	3-26-96	71.42	4.94	1,804	1,875	S	120	40-120	
345416116451602 — 3-26-96 104.96 — 1,743 1,848 V 490 470-490 345416116451603 — 3-26-96 102.54 — 1,745 1,848 V 650 280-300 345404116451801 — 3-26-96 10.9 — 1,747 1,848 V 650 630-650 345404116451801 — 3-26-96 52.29 — 1,801 1,853 V 650 630-650 345404116451802 — 3-26-96 51.57 — 1,801 1,853 V 510 490-510 345404116451802 — 3-26-96 51.06 — 1,802 1,853 V 510 490-510 345404116451803 — 3-26-96 51.06 — 1,802 1,853 V 510 490-510 345404116451805 — 3-26-96 51.06 — 1,804 1,853 V 650 630-650 345404116451805 <	-3G6 ¹	345416116451601	ı	1	3-26-96	105.06	ŀ	1,743	1,848	>	009	280-600	
345416116451603 — 3-26-96 102.54 — 1,745 1,848 V 300 280-300 345416116451604 — 3-26-96 10.9 — 1,747 1,848 V 140 120-140 345404116451801 — 3-26-96 52.29 — 1,801 1,853 V 650 630-650 345404116451802 — 3-26-96 51.57 — 1,801 1,853 V 510 490-510 345404116451803 — 3-26-96 51.06 — 1,804 1,853 V 510 490-510 345404116451803 — 3-26-96 49.43 — 1,804 1,853 V 65 45-65 345249116483401 11-23-92 124.46 5-15-96 131.03 -6.57 1,806 1,931 S 360 100-350 345334116442801 11-17-92 93.59 5-1-96 99.55 -5.96 1,805 V - - - <td>-3G7¹</td> <td>345416116451602</td> <td>1</td> <td>1</td> <td>3-26-96</td> <td>104.96</td> <td>1</td> <td>1,743</td> <td>1,848</td> <td>></td> <td>490</td> <td>470-490</td> <td></td>	-3G7 ¹	345416116451602	1	1	3-26-96	104.96	1	1,743	1,848	>	490	470-490	
345416116451804 — 3-26-96 10.9 — 1,747 1,848 V 140 120-140 345404116451801 — 3-26-96 52.29 — 1,801 1,853 V 650 630-650 345404116451802 — 3-26-96 51.57 — 1,801 1,853 V 510 490-510 345404116451803 — 3-26-96 51.06 — 1,802 1,853 V 340 190-210 345404116451804 — 3-26-96 49.43 — 1,804 1,853 V 210 190-210 345404116451805 — 3-26-96 46.82 — 1,804 1,853 V 65 45-65 345249116483401 11-23-92 124.46 5-15-96 43.103 -6.57 1,800 1,931 S 360 100-350 345334116442801 11-23-92 126.26 5-14-96 130.41 -4.15 1,748 1,878 S 190 50-190<	-3G8 ¹	345416116451603	ł	ŀ	3-26-96	102.54	ł	1,745	1,848	>	300	280–300	
345404116451801 - - 3-26-96 51.29 - 1,801 1,853 V 650 630-650 345404116451802 - - 3-26-96 51.57 - 1,801 1,853 V 510 490-510 345404116451803 - - 3-26-96 51.06 - 1,802 1,853 V 510 490-510 345404116451804 - - 3-26-96 49.43 - 1,804 1,853 V 210 190-210 345404116451805 - - 3-26-96 46.82 - 1,806 1,853 V 65 45-65 345249116483401 11-23-92 124.46 5-15-96 13.103 -6.57 1,806 1,905 V - - - 345303116463801 11-17-92 93.59 5-1-96 130.41 -4.15 1,748 1,878 S 190 50-190	-3G9 ¹	345416116451604		ı	3-26-96	10.9	I	1,747	1,848	>	140	120-140	
345404116451802 — — 3-26-96 51.57 — 1,801 1,853 V 510 490-510 345404116451803 — — 3-26-96 51.06 — 1,802 1,853 V 510 190-210 345404116451804 — 3-26-96 46.82 — 1,804 1,853 V 65 45-65 345404116451805 — 3-26-96 46.82 — 1,806 1,853 V 65 45-65 345249116483401 11-23-92 124.46 5-15-96 131.03 -6.57 1,806 1,931 S 360 100-350 345303116463801 11-17-92 93.59 5-1-96 99.55 -5.96 1,805 V — — 345334116442801 11-23-92 126.26 5-14-96 130.41 -4.15 1,748 1,878 S 190 50-190	-3K5 ¹	345404116451801	١	l	3-26-96	52.29	ŀ	1,801	1,853	>	650	630-650	
345404116451803 — — 3-26-96 51.06 — 1,804 1,853 V 340 320-340 345404116451804 — — 3-26-96 49.43 — 1,804 1,853 V 210 190-210 345404116451805 — — 3-26-96 46.82 — 1,806 1,853 V 65 45-65 345249116483401 11-23-92 124.46 5-15-96 13.103 -6.57 1,806 1,931 S 360 100-350 345303116463801 11-17-92 93.59 5-1-96 99.55 -5.96 1,805 V — — 345334116442801 11-23-92 126.26 5-14-96 130.41 -4.15 1,748 1,878 S 190 50-190	$-3K6^{1}$	345404116451802	1	I	3-26-96	51.57	ŀ	1,801	1,853	>	510	490–510	
1 345404116451804 — — 3-26-96 49.43 — 1,804 1,853 V 210 190-210 1 345404116451805 — — 3-26-96 46.82 — 1,806 1,853 V 65 45-65 345249116483401 11-23-92 124.46 5-15-96 131.03 — 6.57 1,806 1,931 S 360 100-350 345303116463801 11-17-92 93.59 5-1-96 99.55 -5.96 1,805 V — — 345334116442801 11-23-92 126.26 5-14-96 130.41 -4.15 1,748 1,878 S 190 50-190	$-3K7^{1}$	345404116451803	l	ŀ	3-26-96	51.06	1	1,802	1,853	>	340	320–340	
1 345404116451805 — — 3-26-96 46.82 — 1,806 1,853 V 65 45-65 345249116483401 11-23-92 124.46 5-15-96 131.03 -6.57 1,800 1,931 S 360 100-350 345303116463801 11-17-92 93.59 5-1-96 99.55 -5.96 1,805 V — — 3 345334116442801 11-23-92 126.26 5-14-96 130.41 -4.15 1,748 1,878 S 190 50-190	-3K8 ¹	345404116451804	l	I	3-26-96	49.43	I	1,804	1,853	>	210	190-210	
345249116483401 11–23–92 124.46 5–15–96 131.03 –6.57 1,800 1,931 S 360 100–350 345303116463801 11–17–92 93.59 5–1–96 99.55 –5.96 1,805 1,905 V – – 3 345334116442801 11–23–92 126.26 5–14–96 130.41 –4.15 1,748 1,878 S 190 50–190	-3K9 ¹	345404116451805	ł	ŀ	3-26-96	46.82	ł	1,806	1,853	^	65	45-65	
345303116463801 11–17–92 93.59 5–1–96 99.55 –5.96 1,805 1,905 V — — — — 345334116442801 11–23–92 126.26 5–14–96 130.41 –4.15 1,748 1,878 S 190 50–190	-701	345249116483401	11–23–92	124.46	5-15-96	131.03	-6.57	1,800	1,931	S	360	100-350	
345334116442801 11–23–92 126.26 5–14–96 130.41 –4.15 1,748 1,878 S 190 50–190	-9L1	345303116463801	11-17-92	93.59	5-1-96	99.55	-5.96	1,805	1,905	>	ł	-	
	-11C3	345334116442801	11–23–92	126.26	5-14-96	130.41	4.15	1,748	1,878	S	190	50-190	×

See footnote at end of table.

Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California—Continued

Depth Screened or of well interval (ft) (ft)	160 60–160	160 90–130	- 80-200	220 120–220 R	294 40-294	120 80-110			160 140–160		140–160 100–120 35–55	140–160 100–120 35–55 80–160	140–160 100–120 35–55 80–160 210–230	140–160 100–120 35–55 80–160 210–230 165–185	140–160 100–120 35–55 80–160 210–230 165–185 100–120	140–160 100–120 35–55 80–160 210–230 165–185 100–120 50–185	140–160 100–120 35–55 80–160 210–230 165–185 100–120 50–185	140–160 100–120 35–55 80–160 210–230 165–185 100–120 50–185	140-160 100-120 35-55 80-160 210-230 165-185 100-120 50-185 ————————————————————————————————————	140–160 100–120 35–55 80–160 210–230 165–185 100–120 50–185 90–150	140–160 100–120 35–55 80–160 210–230 165–185 100–120 50–185 90–150 ————————————————————————————————————	140–160 100–120 35–55 80–160 210–230 165–185 100–120 50–185 90–150 ————————————————————————————————————	140–160 100–120 35–55 80–160 210–230 165–185 100–120 50–185 90–150 — — 80–300 95–99 100–220 190–220	140–160 100–120 35–55 80–160 210–230 165–185 100–120 50–185 — — 80–300 95–99 1100–220 135–155	140–160 100–120 35–55 80–160 210–230 165–185 100–120 50–185 90–150 — — 80–300 95–99 1100–220 135–155 75–95
measure- of well measure- of well ment (ft)	S 160	V 160	S	V 220	V 294	V 120	\ \ \	V 160		V 120									•						
Attitude of land surface (ft above sea level)		1,875	1,845			2,105	2,130				·	ŕ		, , ,	, , , ,		, , , , ,								
Attitude of water table (ft above sea level)	1,787	1,791	1,734	1,735	1,795	2,068	2,087	2,097	2,098		2,099	2,099	2,099 2,107 2,107	2,099 2,107 2,107 2,107	2,099 2,107 2,107 2,107 2,108	2,099 2,107 2,107 2,107 2,108 2,116	2,099 2,107 2,107 2,107 2,108 2,116 2,111	2,099 2,107 2,107 2,107 2,108 2,116 2,111 2,122	2,099 2,107 2,107 2,107 2,108 2,116 2,111 2,122 2,123	2,099 2,107 2,107 2,107 2,108 2,116 2,111 2,122 2,123 2,123	2,099 2,107 2,107 2,107 2,108 2,116 2,111 2,122 2,123 2,123 2,118	2,099 2,107 2,107 2,107 2,108 2,116 2,111 2,122 2,123 2,118 2,113	2,099 2,107 2,107 2,107 2,108 2,116 2,111 2,122 2,123 2,118 2,123 2,132 2,132 2,132	2,099 2,107 2,107 2,107 2,108 2,116 2,111 2,122 2,123 2,123 2,123 2,133 2,133 2,133	2,099 2,107 2,107 2,107 2,108 2,116 2,122 2,123 2,123 2,123 2,123 2,132 2,132 2,133 2,139 2,139
Difference in depths to water (ft)		-8.08	-8.9	4.63	-8.27	52.33	50.2		1	١		1	1-1	1 1 1											
1996 depth to water (ft below land surface)	78.38	83.58	110.64	119.68	170.26	36.94	43.27	42.8	40.59	40.04		48.29	48.29 42.94	48.29 42.94 42.99	48.29 42.94 42.99 42.34	48.29 42.94 42.99 42.34 53.65	48.29 42.94 42.99 42.34 53.65	48.29 42.94 42.99 42.34 53.65 53.99	48.29 42.94 42.39 42.34 53.65 53.99 61.96	48.29 42.94 42.39 42.34 53.65 53.99 61.96 63.48	48.29 42.94 42.99 42.34 53.65 61.96 60.77 63.48	48.29 42.94 42.34 53.65 53.99 61.96 60.77 63.48 58.67	48.29 42.94 42.99 42.34 53.65 60.77 63.48 53.69 57.96	48.29 42.94 42.99 42.34 53.65 53.99 61.96 60.77 63.48 57.96 57.96 53.87	48.29 42.94 42.99 42.34 53.65 53.99 61.96 60.77 63.48 58.67 57.96 55.54
Date	5-14-96	5-1-96	3-26-96	4-22-96	5-2-96	3-27-96	3-27-96	3-27-96	3-27-96	3-27-96		5-22-96	5-22-96	5-22-96 3-27-96 3-27-96	5-22-96 3-27-96 3-27-96 3-27-96	5-22-96 3-27-96 3-27-96 3-27-96 3-27-96	5-22-96 3-27-96 3-27-96 3-27-96 3-27-96	5-22-96 3-27-96 3-27-96 3-27-96 3-27-96 3-27-96	5-22-96 3-27-96 3-27-96 3-27-96 3-27-96 5-15-96 5-15-96	5-22-96 3-27-96 3-27-96 3-27-96 3-27-96 5-15-96 5-15-96 5-13-96	5-22-96 3-27-96 3-27-96 3-27-96 3-27-96 5-15-96 5-15-96 5-13-96 3-27-96	5-22-96 3-27-96 3-27-96 3-27-96 3-27-96 5-15-96 5-15-96 5-13-96 3-27-96	5-22-96 3-27-96 3-27-96 3-27-96 3-27-96 5-15-96 5-15-96 5-13-96 3-27-96	5-22-96 3-27-96 3-27-96 3-27-96 3-27-96 5-15-96 5-15-96 5-13-96 3-27-96 3-27-96	5-22-96 3-27-96 3-27-96 3-27-96 3-27-96 5-15-96 5-13-96 3-27-96 3-27-96 3-27-96 3-27-96
1990–94 depth to water (ft below land surface)		75.5	101.74	115.05	161.99	89.27	93.47	ŀ	I	ŀ		ŀ													
Date		11-16-92	11-16-92	12-10-92	4-21-93	11–17–92	11–19–92	1	ŀ	1		l													
USGS identification no.	345316116441003	345248116442401	345330116425501	345314116433701	345052116484001	345416117014601	345421117031101	345407117034701	345421117035301	345421117035302		345419117044601	345419117044601 345406117044001	345419117044601 345406117044001 345406117044002	345419117044601 345406117044001 345406117044002 345406117044003	345419117044601 345406117044001 345406117044002 345406117044003 345418117055701	345419117044601 345406117044001 345406117044002 345406117044003 345418117055701	345419117044601 345406117044001 345406117044002 345406117044003 345418117055701 345334117052601	345419117044601 345406117044001 345406117044002 345406117044003 345418117055701 34534117052601 34534117065001	345419117044601 345406117044001 345406117044002 345406117044003 345418117055701 34534117052601 345339117065001 345339117065001	345419117044601 345406117044001 345406117044002 345406117044003 345418117055701 345344117052601 345334117065901 345422117071001 345422117071001	345419117044601 345406117044001 345406117044003 345418117055701 34534117052601 345339117065001 34542117071001 345402117070401	345419117044601 345406117044001 345406117044003 345418117055701 34534117052601 345339117065001 34542117071001 345402117070401 345350117074601	345419117044601 345406117044001 345406117044002 345406117044003 345418117055701 34534117052601 345339117065901 34542117071001 34542117070401 345350117074601 345350117074601	345419117044601 345406117044001 345406117044002 345406117044003 345418117055701 34534117052601 34534117065901 34542117071001 345402117074601 345350117074001 345350117074003
State well no.	9N/2E-11H3	-11Q1	-12A4	-12F4	-30B2	9N/2W-1A2	-2B5	-2E1	-3A1 ¹	$-3A2^{1}$		-3D3	-3D3 -3E1 ¹	-3D3 -3E1 ¹ -3E2 ¹	-3D3 -3E1 ¹ -3E2 ¹ -3E3 ¹	-3D3 -3E1 ¹ -3E2 ¹ -3E3 ¹	-3D3 -3E1 ¹ -3E2 ¹ -3E3 ¹ -4D1	-3D3 -3E1 ¹ -3E2 ¹ -3E3 ¹ -4D1 -4Q10	-3D3 -3E1 ¹ -3E2 ¹ -3E3 ¹ -4D1 -5N7	-3D3 -3E1 ¹ -3E2 ¹ -3E3 ¹ -4D1 -5N7 -5N8	-3D3 -3E1 ¹ -3E2 ¹ -3E3 ¹ -4D1 -5N7 -5N7 -6A4	-3D3 -3E1 ¹ -3E2 ¹ -3E3 ¹ -4D1 -5N7 -5N8 -6A4 -6H6	-3D3 -3E1 ¹ -3E2 ¹ -3E3 ¹ -4D1 -5N7 -5N8 -6A4 -6H6	-3D3 -3E1 ¹ -3E2 ¹ -3E3 ¹ -4D1 -5N7 -5N8 -6A4 -6H6 -6L12 ¹	-3D3 -3E1 ¹ -3E2 ¹ -3E3 ¹ -4D1 -5N7 -5N8 -6A4 -6L11 -6L12 ¹

See footnote at end of table.

Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California—Continued

ed or ited Well notes	Н -	ı	ı	R	H			0	ı	ı	0 R	_		0	0	0	7	Н	ፈ	6	s o		0	ı	0	ı	
Screened or perforated interval		I	I	ı	l		,	60-200	l	I	60-150	500.610		490-510	270-290	90-110	167-197	I	40-99	60-219	310–330	190-210	110–130	ŀ	120-200	l	
of Depth 9- of well (ft)	300	187	1	1	85			200	1	1	150	610		510	290	110	197	4	66	219	330	210	130	1	200	212	
Method of measure-		>	S	>	l	>	> 1	S	S	>	S	>	- ;	>	>	>	>	1	>	S	>	>	>	>	S	S	;
Attitude of land surface (ft above sea	2,256	2,260	2,390	2,445	2,145	1 210	010,1	1,825	1,840	1,840	1,828	1 875	2001	1,825	1,825	1,825	1,855	2,280	1,820	1,822	2,195	2,195	2,195	2,240	2,220	2,245	
Atttude of water table (ft above sea level)		2,149	2,152	2,165	1	1 721	1,1,21	1,729	1,739	1,751	1,718	1 710	77,17	1,720	1,717	1,721	1,794	1	1,728	1,727	2,119	2,125	2,132	2,150	2,150	2,151	,
Difference in depths to water (ft)		4.94	-1.16	-1.77	ŧ	v	}	4. 4.	4.16	-3.11	-6.39			I	4.15	1	-8.68	I	-7.9	96:-	I	ĺ	44.48	ŀ	7.31	14.18	
1996 depth to water (ft below land surface)		111.03	238.04	280.25	l	07 13	21.16	95.67	101.26	68	109.63	105 50	10:001	105.48	107.64	104.4	60.71	1	91.58	95.17	75.88	70.09	63.17	89.72	28.69	93.64	
Date	ŀ	4-22-96	5-13-96	4-22-96	I	\$ 1.06	06-1-0	3-25-96	3-25-96	3-25-96	5-14-96	3 25 06		3-25-96	3-25-96	3-25-96	4-22-96	I	5-14-96	5-14-96	3-27-96	3-27-96	3-27-96	5-21-96	4-5-96	5-14-96	t
1990–94 depth to water (ft below land surface)		115.97	236.88	278.48	l	00 60	76.02	91.27	105.42	82.89	103.24			ı	103.49	I	52.03	ŀ	83.68	94.21	ŀ	ŀ	107.65	ı	77.18	107.82	
Date		11-21-92	5-17-94	11-21-92	I	11 16 00	76-01-11	11-16-92	11-16-92	11-13-92	12-9-92			I	9-21-93	ł	12-10-92	I	11-24-92	1-15-93	I	ļ	11–16–92	l	1-20-93	11-24-92	
USGS identification no.	345147117071801	345148117072401	345104117045701	345050117042701	345429116393501	345478116304001	10044011074001	345409116404901	345344116413401	345417116420001	345224116393601	345104116384001	00000011101010	345104116384002	345104116384003	345104116384004	345052116413601	345011116394201	344927116394101	345001116381701	345341117082101	345341117082102	345341117082103	345351117101601	345333117095601	345153117080701	
State well no.	9N/2W-19B1	-19B2	-21R1	-27C1	9N/3E-3D1	cue	4UC-	-5H1	-5N2	-6A1	-15E4	22241	la doc	-22R5 ¹	$-22R6^{1}$	$-22R7^{1}$	-29D1	-34D1	-34N1	-35D3	9N/3W-1R5 ¹	-1R6 ¹	-1R7 ¹	-312	-11C1	-13R1	

See footnote at end of table.

Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California—Continued

5-16-96 42.8 — 2,203 2,246 S 150 50-150 3-27-96 43.4 —0.96 2,187 2,230 V — — 3-27-96 43.4 —0.96 2,187 2,230 V — — 3-27-96 43.9 — 2,174 2,223 V 365 565-585 3-27-96 43.04 — 2,187 2,227 V 360 180-203 3-27-96 43.54 — 2,183 2,227 V 300 10-90 3-27-96 43.54 — 2,183 2,227 V 300 10-90 3-27-96 43.64 — 2,183 2,227 V 300 10-90 3-27-96 43.64 — 2,183 2,227 V 300 10-90 3-27-96 343 — 2,183 2,227 V 300 10-90 4-5-96 135.0 — 1,835	USGS identification no.	ion Date		depth to water (ft below land surface)	Date	1996 depth to water (ft below land surface)	Difference in depths to water (ft)	of water table (ft above sea level)	land surface (ft face (ft above sea level)	Method of measure- ment	Depth of well (ft)	Screened or perforated interval (ft)	Well notes
43.4 -0.96 2,187 2,230 V — — 49 — 2,174 2,223 V 77 57-77 49 — 2,179 2,227 V 585 565-585 43.83 — 2,187 2,227 V 585 565-585 43.64 — 2,183 2,227 V 300 180-200 188.05 12,82 2,183 2,227 V 90 70-90 188.05 12,82 2,183 2,227 V 90 70-90 188.05 1,282 2,340 S 232 122-132 34.3 2,183 2,227 V 90 70-90 188.05 1,835 2,090 V 26.22 26.285 153.51 1,385 2,090 V 285 26.285 131.5 1,387 V 190 7 100-200 130.9 1,804 1,905	345119117113601 — —		,		5-16-96	42.8		2,203	2,246	S	150	50-150	
49 — 2,174 2,223 V 77 57-77 47.95 — 2,179 2,227 V 585 565-585 43.83 — 2,179 2,227 V 585 565-585 43.64 — 2,187 2,227 V 200 180-200 43.54 — 2,183 2,227 V 90 70-90 188.05 12,82 2,183 2,227 V 90 70-90 188.05 12,82 2,183 2,227 V 90 70-90 343 .21 2,348 S 232 122-132 200 386.06 0 2,087 2,483 S 620 70-90 255.1 1,335 2,090 V 285 265-285 131.5 1,428 S 2,090 V 120-227 131.5 1,428 2,082 V 120-227 120-227 131.5 <td< td=""><td>345112117101901 3-23-94 42.44</td><td></td><td>4.</td><td></td><td>3-27-96</td><td>43.4</td><td>-0.96</td><td>2,187</td><td>2,230</td><td>></td><td> </td><td> </td><td></td></td<>	345112117101901 3-23-94 42.44		4.		3-27-96	43.4	-0.96	2,187	2,230	>			
47.95 — 2,179 2,227 V 585 565-585 43.83 — 2,187 2,230 V 310 290-310 43.64 — 2,183 2,227 V 200 180-200 43.54 — 2,183 2,227 V 90 70-90 188.05 12.82 2,152 2,340 S 232 122-132 343 .21 2,012 2,355 V — — — 396.06 0 2,087 2,483 S 620 70-90 155.1 2,012 2,483 S 620 70-90 255.1 2,087 2,483 S 262 265-285 133.5 — 1,831 1,985 S 227 127-227 131.5 7,42 1,841 1,972 S 255 211-255 31.35 — 2,054 2,080 V 120 127-227 11.29.84 — 2,047 2,090 V 120 120	345146117094301 — — —	1			3-27-96	49	I	2,174	2,223	>	11	57-77	
43.83 — 2,187 2,230 V 310 290-310 43.64 — 2,183 2,227 V 200 180-200 43.54 — 2,183 2,227 V 90 70-90 188.05 12.82 2,152 2,340 S 232 122-132 343 .21 2,012 2,355 V — — 396.06 0 2,087 2,483 S 620 70-90 255.1 2,012 2,355 V — — — 255.1 2,087 2,483 S 620 70-90 255.2 1,831 1,985 S 262-285 131.5 7,42 1,841 1,972 S 255 211-255 31.35 — 2,054 2,086 V 120-27 127-227 11.29.84 — 2,054 2,080 V 120 40-139 42.88 — <td>345124117094301 — — —</td> <td>1</td> <td></td> <td></td> <td>3-27-96</td> <td>47.95</td> <td>1</td> <td>2,179</td> <td>2,227</td> <td>></td> <td>585</td> <td>565-585</td> <td></td>	345124117094301 — — —	1			3-27-96	47.95	1	2,179	2,227	>	585	565-585	
43.64 — 2,183 2,227 V 200 180–200 43.54 — 2,183 2,227 V 90 70–90 188.05 12.82 2,152 2,340 S 222 122–132 343 .21 2,012 2,355 V — — 396.06 0 2,087 2,483 S 620 7 255.18 — 1,835 2,090 V 285 265–285 255.18 — 1,831 1,985 S 227 127–227 131.5 — 1,841 1,972 S 255 211–255 31.35 — 2,054 2,085 V 190 — 42.88 — 2,054 2,085 V 100–240 129.84 — 2,047 2,090 V 100–240 101.48 — 2,044 1,935 S 240 100–240 130.99	345124117094302 — —				3-27-96	43.83		2,187	2,230	>	310	290–310	
43.54 — 2,183 2,227 V 90 70-90 188.05 12.82 2,152 2,340 S 232 122-132 343 .21 2,012 2,355 V — — 396.06 0 2,087 2,483 S 522 122-132 255.2 — 1,835 2,090 V 350 340-350 255.18 — 1,831 1,985 S 265-285 131.5 — 1,831 1,985 S 265-285 131.5 — 1,841 1,972 S 265-285 131.5 — 2,090 V 285 261-287 131.5 — 2,084 S 255 211-255 120.8 — 2,090 V 190 — 42.88 — 2,047 2,090 V 100-240 1101.48 — 2,047 2,090 V —	345124117094303 — — —				3-27-96	43.64	1	2,183	2,227	>	200	180-200	
188.05 12.82 2,152 2,340 S 232 122-132 343 .21 2,012 2,355 V — — 396.06 0 2,087 2,483 S 620 — 255.2 — 1,835 2,090 V 350 340-350 255.18 — 1,835 2,090 V 285 265-285 153.51 — 1,831 1,985 S 265-285 211-257 131.5 7.42 1,841 1,972 S 255 211-257 131.5 — 2,054 2,085 V 120 40-139 26.22 22.18 2,054 2,085 V 120 56-120 42.88 — 2,047 2,090 V 120 60-139 42.88 — 2,044 1,905 V — — — 130.9 -5.09 1,805 1,84 1,875 V <td>345124117094304 — — —</td> <td><u> </u></td> <td>ı</td> <td></td> <td>3-27-96</td> <td>43.54</td> <td>1</td> <td>2,183</td> <td>2,227</td> <td>></td> <td>96</td> <td>70-90</td> <td></td>	345124117094304 — — —	<u> </u>	ı		3-27-96	43.54	1	2,183	2,227	>	96	70-90	
343 .21 2,012 2,355 V — — 396.06 0 2,087 2,483 S 620 — 255.2 — 1,835 2,090 V 350 340-350 255.18 — 1,835 2,090 V 285 265-285 153.51 — 1,831 1,985 S 227 127-227 131.5 — 1,841 1,972 S 255 211-255 131.5 — 2,054 2,085 V 190 — 26.2 22.18 2,054 2,080 V 190 — 26.2 22.18 2,054 2,090 V 190 — 42.88 — 2,047 2,090 V 100 100-240 101.48 — 2,047 2,090 V — 40-139 101.48 — 1,744 1,875 V — 100-240 <t< td=""><td>345059117082901 11-17-92 200.87</td><td></td><td>78.</td><td></td><td>3-27-96</td><td>188.05</td><td>12.82</td><td>2,152</td><td>2,340</td><td>S</td><td>232</td><td>122-132</td><td></td></t<>	345059117082901 11-17-92 200.87		78.		3-27-96	188.05	12.82	2,152	2,340	S	232	122-132	
396.06 0 2,087 2,483 S 620 — 255.2 — 1,835 2,090 V 350 340-350 255.18 —3.93 1,835 2,090 V 285 265-285 153.51 — 1,831 1,985 S 227 127-227 131.5 — 1,841 1,972 S 227 127-227 131.5 — 2,054 2,085 V 190 — — 26.22 22.18 2,054 2,080 V 190 — — 26.22 22.18 2,047 2,090 V 120 50-120 129.84 — 2,047 2,090 V — 40-139 101.48 — 2,047 2,090 V — — 130.9 — 4 1,975 V — — 130.9 — 4 1,975 V —	345332117194201 11-21-92 343.21		3.21		4-30-96	343	.21	2,012	2,355	>	ı	-	
255.2 — 1,835 2,090 V 350 340-350 255.18 -3.93 1,835 2,090 V 285 265-285 153.51 - 1,831 1,985 S 227 127-227 131.5 7.42 1,841 1,972 S 255 211-255 31.35 - 2,054 2,085 V 190	344959117173101 4-21-93 396.06		90.9		4-5-96	396.06	0	2,087	2,483	S	620	1	
255.18 -3.93 1,835 2,090 V 285 265-285 153.51 - 1,831 1,985 S 227 127-227 131.5 7.42 1,841 1,972 S 255 211-255 31.35 - 2,054 2,085 V 190 - 26.22 22.18 2,054 2,080 V 190 - 42.88 - 2,047 2,090 V 120 50-120 129.84 -7.93 1,805 1,935 S 240 100-240 101.48 -5.09 1,804 1,905 V - - 130.9 -3.05 1,744 1,875 V - 68-138 78.75 8.19 2,101 2,180 V - 68-138 66.1 19.18 2,109 2,175 V - - 57.43 - 2,117 2,164 V - -	345631116541401 — —	!			3-26-96	255.2	1	1,835	2,090	>	350	340–350	
153.51 — 1,831 1,985 S 227 127–227 131.5 7.42 1,841 1,972 S 255 211–255 31.35 — 2,054 2,085 V 190 — 26.22 22.18 2,054 2,080 S — 40–139 42.88 — 2,047 2,090 V 120 50–120 129.84 — 2,047 2,090 V 120 50–120 101.48 — 2,047 2,090 V — 40–139 101.48 — 2,047 1,935 S 240 100–240 101.48 — 41,875 V — — 130.9 — 41,875 V — 100–200 128.05 — 41,875 V — 68–138 66.1 19.18 2,101 2,180 V — 68–138 66.1 19.18 2,107 2,174 V — — 57.43 — 2,	345631116541402 9-23-93 251.25		1.25		3-26-96	255.18	-3.93	1,835	2,090	>	285	265–285	
131.5 7.42 1,841 1,972 S 255 211-255 31.35 — 2,054 2,085 V 190 — 26.22 22.18 2,054 2,080 S — 40-139 42.88 — 2,047 2,090 V 120 50-120 129.84 -7.93 1,805 1,935 S 240 100-240 101.48 -5.09 1,804 1,905 V — — 130.9 -3.05 1,744 1,875 V — 100-240 128.05 -6.35 1,747 1,875 V — 68-138 66.1 19.18 2,101 2,180 V — 68-138 66.1 19.18 2,107 2,175 V — — 57.43 — 2,117 2,174 V — — 53.2 41.28 2,112 S 174 132-174	345600116523901 — — —				5-14-96	153.51	1	1,831	1,985	S	227	127–227	
31.35 — 2,054 2,085 V 190 — 26.22 22.18 2,054 2,080 S — 40-139 42.88 — 2,047 2,090 V 120 50-120 129.84 -7.93 1,805 1,935 S 240 100-240 101.48 -5.09 1,804 1,905 V — — 130.9 -3.05 1,744 1,875 V — — 128.05 -6.35 1,747 1,875 V — 68-138 66.1 19.18 2,101 2,180 V — — 57.43 — 2,117 2,174 V — — 53.2 41.28 2,112 2,165 S 174 132-174	345542116522401 4-22-93 138.92		3.92		4-24-96	131.5	7.42	1,841	1,972	S	255	211–255	
26.22 22.18 2,054 2,080 S — 40-139 42.88 — 2,047 2,090 V 120 50-120 129.84 — 2,047 2,090 V 120 50-120 101.48 — 5.09 I,805 I,935 S 240 100-240 101.48 — 0.305 I,744 I,875 V — — 128.05 — 0.3 I,747 I,875 V — 0.00-200 78.75 8.19 2,101 2,180 V — 68-138 66.1 19.18 2,109 2,175 V — — 57.43 — 2,117 2,174 V — — 53.2 41.28 2,112 2,165 S 174 132-174	345448117003301 — — —	1			3-26-96	31.35	I	2,054	2,085	>	190		
42.88 — 2,047 2,090 V 120 50–120 129.84 —7.93 1,805 1,935 S 240 100–240 101.48 —5.09 1,804 1,905 V — — 130.9 —3.05 1,744 1,875 V — — 128.05 —6.35 1,747 1,875 V — 68–138 66.1 19.18 2,101 2,180 V — 68–138 66.1 19.18 2,109 2,175 V — — 57.43 — 2,117 2,174 V — — 53.2 41.28 2,112 2,165 S 174 132–174	345427117000701 11-17-92 48.4		¥.		3-26-96	26.22	22.18	2,054	2,080	S	١	40-139	
129.84 -7.93 1,805 1,935 S 240 100-240 101.48 -5.09 1,804 1,905 V — — 130.9 -3.05 1,744 1,875 V — — 128.05 -6.35 1,747 1,875 V — 68-138 78.75 8.19 2,101 2,180 V — 68-138 66.1 19.18 2,109 2,175 V — — 57.43 — 2,117 2,174 V 63 — 53.2 41.28 2,112 2,165 S 174 132-174	345443116591701 — — —	1			3-26-96	42.88		2,047	2,090	>	120	50-120	
101.48 -5.09 1,804 1,905 V — — 130.9 -3.05 1,744 1,875 V — 100-200 128.05 -6.35 1,747 1,875 V — 68-138 78.75 8.19 2,101 2,180 V — 68-138 66.1 19.18 2,109 2,175 V — — 57.43 — 2,117 2,174 V 63 — 53.2 41.28 2,112 2,165 S 174 132-174	345446116485101 6-2-92 121.91		.91		5-15-96	129.84	-7.93	1,805	1,935	S	240	100-240	~
130.9 -3.05 1,744 1,875 V - 100-200 128.05 -6.35 1,747 1,875 V 225 - 78.75 8.19 2,101 2,180 V - 68-138 66.1 19.18 2,109 2,175 V - - 57.43 - 2,117 2,174 V 63 - 53.2 41.28 2,112 2,165 S 174 132-174	345432116474201 11-17-92 96.39		.39		3-26-96	101.48	-5.09	1,804	1,905	>	١	1	
128.05 -6.35 1,747 1,875 V 225 — 78.75 8.19 2,101 2,180 V — 68-138 66.1 19.18 2,109 2,175 V — — 57.43 — 2,117 2,174 V 63 — 53.2 41.28 2,112 2,165 S 174 132-174	345516116440601 11–17–92 127.85		7.85		3-26-96	130.9	-3.05	1,744	1,875	>	ı	100-200	
78.75 8.19 2,101 2,180 V — 68-138 66.1 19.18 2,109 2,175 V — — 57.43 — 2,117 2,174 V 63 — 53.2 41.28 2,112 2,165 S 174 132-174	345453116444501 11–18–91 121.7		1.7		3-26-96	128.05	-6.35	1,747	1,875	>	225		
66.1 19.18 2,109 2,175 V — — — 57.43 — 2,117 2,174 V 63 — — 53.2 41.28 2,112 2,165 S 174 132–174	345610117080601 1-19-93 86.94		.94		4-23-96	78.75	8.19	2,101	2,180	>	1	68–138	
57.43 — 2,117 2,174 V 63 — 53.2 41.28 2,112 2,165 S 174 132–174	345518117080301 1–19–93 85.28		5.28		4-23-96	66.1	19.18	2,109	2,175	>	ł	1	
53.2 41.28 2,112 2,165 S 174	345517117062001 — —	-	i		5-21-96	57.43	1	2,117	2,174	>	63		Н
	345505117053604 1-20-93 94.48		1.48		4-23-96	53.2	41.28	2,112	2,165	S	174	132–174	

See footnote at end of table.

Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California—Continued

State well no.	USGS identification no.	Date	1990–94 depth to water (ft below land surface)	Date	1996 depth to water (ft below land surface)	Difference In depths to water (ft)	Altitude of water table (ft above sea level)	Attitude of land surface (ft above sea level)	Method of measure- ment	Depth of well (ft)	Screened or perforated Interval (ft)	Well notes
10N/2W-33R16	345426117050801	ŀ		10-08-96	53.84	ŀ	2,105	2,159	S	150	80–150	24
10N/3E-3Q1	345903116385601	l	ŀ	4-24-96	81.4	ŀ	1,709	1,790	S	ŀ	1	
4K1	345906116400001	ł	I	4-24-96	96.1	1	1,701	1,797	S	1	İ	
-7R1	345801116414701	1-13-93	120.15	5-14-96	116.85	3.3	1,702	1,819	S	234	1	
-12F1	345836116370401	11-18-92	107.59	5-14-96	108.1	51	1,669	1,777	S	l	1	
-14[4	345727116381601	11–13–92	115.04	3-25-96	109.67	5.37	1,680	1,790	>	1	60–260	
-1502	345710116385601	11-13-92	124.42	3-25-96	118.67	5.75	1,681	1,800	S	١	ŀ	
-23D1	345702116382601	ŀ	ŀ	4-24-96	98.22	1	1,692	1,790	S	ŀ	ļ	
-25B2	345608116364901	1	1	4-24-96	12.75	1	1,707	1,720	S		1	
-26H1	345549116373701	1		1-17-96	17.52	1	1,712	1,730	S	25	14.7–24.7	
-2601	345530116380201	11–12–92	50.97	5-1-96	49.4	1.57	1.721	1.770	>	J		
$-27J1^{1}$	345542116383901			3-25-96	18.41	1	1,732	1,750	~	570	550-570	
$-27J2^{1}$	345542116383902	1	1	3-25-96	21.41	İ	1,729	1,750	×	370	350-370	
$-27J3^{1}$	345542116383903	1	1	3-25-96	33.52	1	1,717	1,750	×	255	235–255	
$-27J4^{1}$	345542116383904	11-16-92	32.37	3-25-96	32.53	16	1,718	1,750	R	255	70-90	
-27J5 ¹	345542116383905			3-25-96	3.62	1	1,719	1,750	>	45	35-45	
-27Q3	345533116391101	11-13-92	40.7	3-25-96	41.48	78	1,719	1,760	S	200		
-2811	345538116395501	11-17-92	83.82	3-25-96	83.24	.58	1,727	1,810	>	١	100-207.6	
-30P2	345534116422201	1	1	5-22-96	105.5	١	1,735	1,840	>	300	1	
-33Н3	345503116394401	11-16-92	49.78	3-25-96	50.22	44	1,725	1,775	>	160	70–120	
-34L2	345457116391901	11–13–92	73.7	3-25-96	73.1	9.	1,724	1,797	>	ļ	1	
-35L1	345456116381601	11-12-92	82.74	3-25-96	84.83	-2.09	1,715	1,800	>	ı	1	
-36A1	345516116363801	1	1	4-24-96	68.85	1	1,711	1,780	S	ı	l	
10N/3W-4H2	345924117111901	J	İ	4-17-96	74.46	1	2,026	2,100	S	ı	İ	
-11L5	345822117095401	11-18-92	63.09	4-17-96	62.53	.56	2,067	2,130	>	225	İ	

See footnote at end of table.

Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California—Continued

State well no.	USGS identification no.	Date	1990–94 depth to water (ft below land surface)	Date	1996 depth to water (ft below land surface)	Difference in depths to water (ft)	Attitude of water table (ft above sea level)	Attitude of land surface (ft above sea level)	Method of measure- ment	Depth of well (ft)	Screened or perforated Interval (ft)	Well notes
10N/3W-25E6	345554117090901	3-24-93	86.77	4-30-96	9.43	-3.66	2,078	2,168	>	200	80–200	
-26L2	345539117094301	12-10-92	90.05	4-17-96	97.18	-7.13	2,076	2,173	>		38-156	
-27F1	345546117104601	11-14-90	92.46	5-16-96	91.84	.62	2,077	2,169	S	130	80–130	24
-28M1	345542117121201	11-1-90	67.37	5-16-96	80.01	-12.64	2,096	2,176	S	217	75-217	24
-36J4	345441117080801	3-18-93	93.29	4-30-96	7.6	22.69	2,114	2,185	>	250	70–250	
10N/4E-7P2	345802116361201		I	3-25-96	62.11	1	1,710	1,772	S	1	ł	
-19M2	345632116362701	11-12-92	3.34	3-25-96	1.37	1.97	1,709	1,710	>	ļ	11–180	
-20C4	345659116350101	11-12-92	128.56	3-25-96	127.86	7.	1,602	1,730	>	l	ł	
-29E3	345601116352101	11-12-92	42.4	3-25-96	42.12	.28	1,698	1,740	>			
-30F1	345600116360201	1	ŀ	3-25-96	17.42	ŀ	1,706	1,723	>	1	ŀ	
10N/4W-10D1	345851117172901	11–19–92	236.53	5-13-96	238.64	-2.11	1,896	2,135	S	363		
-33D1	345516117183601	6-24-93	269.55	5-14-96	270.17	62	2,009	2,279	S	329	ŀ	
10N/6W-36D3	345518117280601	11-17-92	241	4-18-96	240.9	г.	2,479	2,720	>	454	181-454	O at 400
11N/2E-26R1	350036116435601	1	l	5-14-96	55.05	1	1,723	1,778	>	109	1	
11N/3E-16R1	350217116393301	ŀ	1	4-24-96	73.33	1	1,709	1,782	>	1	1	
i de inclusi	1000110101010	,			i c	9	,		,	Š		
11N/3W-/DI	32032811/142201	76-77-11	91.13	4-1/-90	55.55	4.47	1,975	7,0/1	>	971	ŀ	
-16D1	350308117121901	11–22–92	73.72	4-17-96	78.54	4.82	1,998	2,077	>	1		
-28R1	350044117112001	ŀ		l	ł	1	1	2,074		105	1	Н
-28R2	350039117112101	11-23-92	59.42	5-14-96	63.51	4.09	2,009	2,073	S	223	l	
11N/4W-29R1	350039117185301	l	I	4-11-96	174.57	1	1,870	2,045	>	361	1	
-30NI	350050117204901	11–21–92	223.07	5-13-96	222.93	14	1,877	2,100	>	200	I	
11N/5E-16J1	350230116264001	ŀ	ŀ	3-25-96	200.45	l	1,438	1,639	S	ŀ	ł	
11N/6W-17L1	350250117320601	11-15-92	271.05	5-13-96	270.88	.17	2,285	2,556	S	819	298–618	O at 577
-31A1	350036117324701	11-19-92	174.81	4-18-96	201.86	-27.05	2,260	2,462	>	258	188-258	
11N/7W-36B1	350035117341001	11-19-92	169.66	4-18-96	169.12	.54	2,308	2,477	>	330	260-330	

See footnote at end of table.

Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California—Continued

220 150 320 250		220 220 150 320 250 238 190 135 90 65 65 67	150 150 170 135 170 170 170 170 170 170 170 170
>>>	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	>>>> > >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	>>>> >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
2,285 2,400 2,279 2,420 2,279 2,420			
2.32 2,279 2.43 2,279			
140.76 2.4.			
0-17-90 140.			
	142.8 94.95 94.06 95.33	142.8 94.95 94.06 95.33 76 187.3 27.86 34.89 32.24 30.1	142.8 94.95 94.06 95.33 76 187.3 27.86 34.89 32.24 30.1 54.83 160.46 243.68 125.25 301.53
	2-15-94 11-30-94 11-30-94 11-30-94 11-2-94	· ·	
	351523116402803 351449116400501 351449116400502 351449116400503 351441116400401		
			4D3 ¹ 351. 4K2 ¹ 351. 4K3 ¹ 351. 4K4 ¹ 351. 4Q2 351. -10D1 351. -10E2 ¹ 351. -10E3 ¹ 351. -26N1 351. -34Q1 351. -35A1 351.

Table 1. Water-level data and well-construction information for the Mojave River, the Morongo, and the Fort Irwin ground-water basins, San Bernardino County, California—Continued

Depth Screened or of well interval (ft) (ft)	630 610-630	540 520–540	300 280–300	460 440-460	290 270-290	550 200–536	904 850–870	730 710–730	580 560–580	405 385–405		270 250–270 220 200–220				
Method of measure- ment	Λ	>	>	>	>	>	>	>	>	>	>	> >	>>>	> > > >	>>>>	>>>>
Attitude of land surface (ft above sea level)	2,530	2,530	2,530	2,530	2,530	2,460	2,517	2,517	2,517	2,517	2,517	2,517	2,517 2,425 2,425	2,517 2,425 2,425 2,389	2,517 2,425 2,425 2,389 2,379	2,517 2,425 2,425 2,389 2,379
Attitude of water table (ft above sea level)	2,267	2,267	2,267	2,277	2,277	2,257	2,277	2,277	2,277	2,276	2,283	2,283	2,283 2,276 2,276	2,283 2,276 2,276 2,304	2,283 2,276 2,276 2,304 2,320	2,283 2,276 2,276 2,304 2,320
Difference in depths to water (ft)	-0.22	45	Т.	.59	69:	1	28	. 85	1.58	12	6.15	6.15	6.15 .64 .57	6.15 .64 .57	6.15 .64 .57 	6.15 .64 .57
1996 depth to water (ft below land surface)	263.02	262.85	262.6	252.55	252.84	1	240.08	240.00	241.39	241.37	234.13	234.13 148.56	234.13 148.56 148.61	234.13 148.56 148.61 85.58	234.13 148.56 148.61 85.58 59.13	234.13 148.56 148.61 85.58 59.13
Date	5-21-96	5-21-96	5-21-96	9-18-96	9-18-96	1	9-18-96	9-18-96	9-18-96	9-18-96	9-18-96	9-18-96 9-18-96	9-18-96 9-18-96 9-18-96	9-18-96 9-18-96 9-18-96 9-18-96	9-18-96 9-18-96 9-18-96 9-18-96	9-18-96 9-18-96 9-18-96 9-18-96
1990–94 depth to water (ft below land surface)	262.8	262.4	262.7	253.14	253.53	203.45	239.8	240.85	242.97	241.25	240.28	240.28 149.2	240.28 149.2 149.18	240.28 149.2 149.18	240.28 149.2 149.18 — 62.9	240.28 149.2 149.18 — 62.9
Date	2-15-94	2-15-94	2-15-94	11-30-94	11-30-94	12-20-94	9-7-94	9-7-94	9-7-94	9-7-94	9-7-94	9-7-94	9-7-94 9-7-94 9-7-94	9-7-94 9-7-94 9-7-94	9-7-94 9-7-94 9-7-94 2-15-94	9-7-94 9-7-94 9-7-94
USGS identification no.	351616116410701	351616116410702	351616116410703	351558116412101	351558116412102	351547116405001	351527116412501	351527116412502	351527116412503	351527116412504	351527116412505	351527116412505 351556116402401	351527116412505 351556116402401 351556116402402	351527116412505 351556116402401 351556116402402 351556116402402	351527116412505 351556116402401 351556116402402 351549116393801 351530116394401	351527116412505 351556116402401 351556116402402 351549116393801 351530116394401
State well no.	14N/3E-32B1 ¹	$-32B2^{1}$	$-32B3^{1}$	-32F2 ¹	-32F3 ¹	-3211	$-32P2^{1}$	$-32P3^{1}$	$-32P4^{1}$	-32P5 ¹	$-32P6^{1}$	-32P6 ¹ -33E2 ¹	-32P6 ¹ -33E2 ¹ -33E3 ¹	-32P6 ¹ -33E2 ¹ -33E3 ¹	-32P6 ¹ -33E2 ¹ -33E3 ¹ -33I1	-32P6 ¹ -33E2 ¹ -33E3 ¹ -33I1

¹Multiple-well completion site.