APPENDIX C. LITHOLOGIC DATA AND GROUND-WATER DATA FOR THE MOJAVE RIVER GROUND-WATER BASIN—TRANSITION ZONE SUBAREA

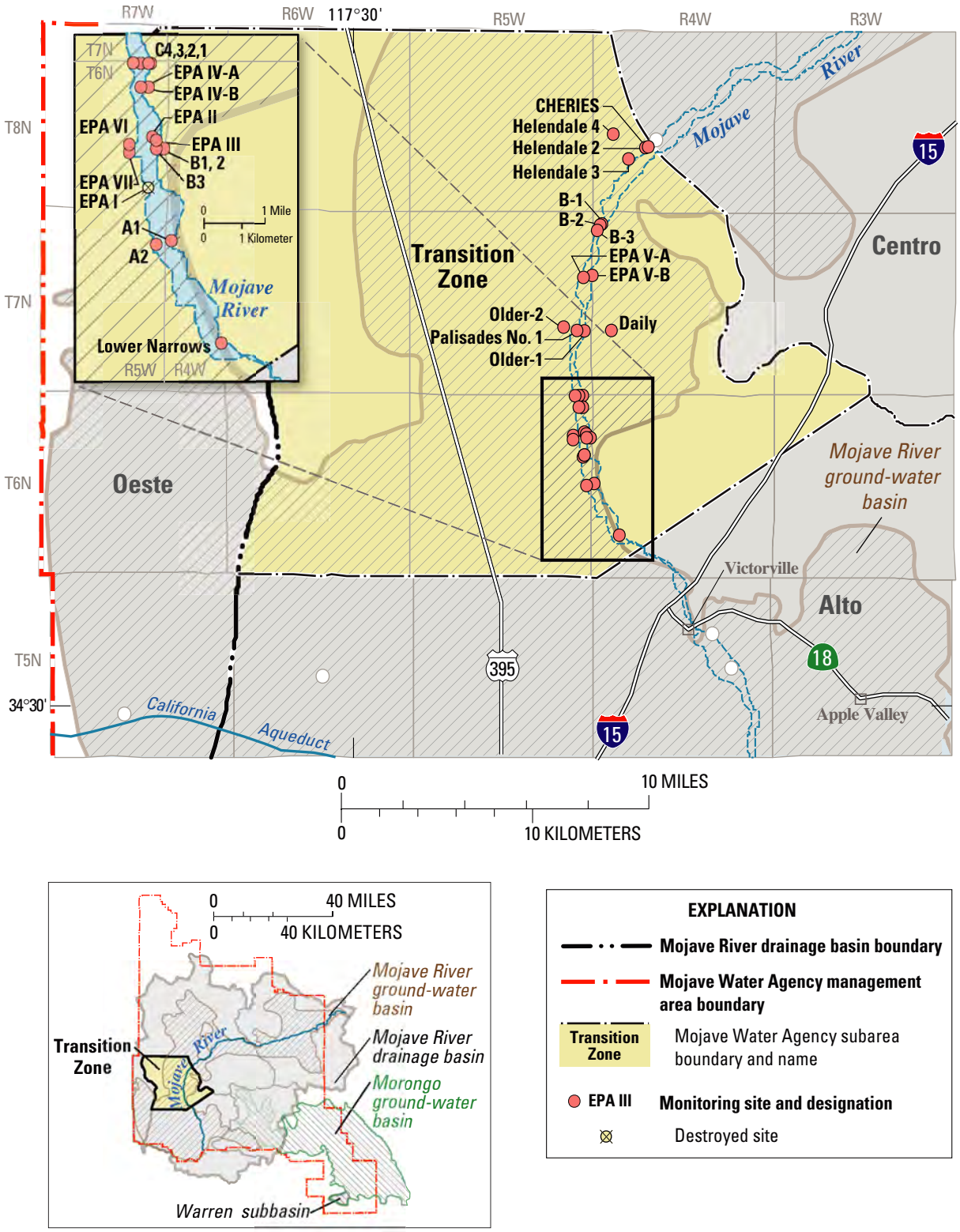


Figure C1. Location of monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California.

Table C1. Well-construction data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California

[Depth of well, sand-pack interval, seal interval, and perforated interval in feet below land surface. Altitude of land-surface datum in feet above sea level; *, site destroyed]

Common name	State well No.	Type of well	Depth of well	Sand-pack interval	Seal interval	Type of seal	Perforated interval	Altitude of land-surface datum	Date drilled
Site A1									
A1-1	6N/4W-18N2	Single	15		0–1	Cement grout	10.2–14.8	2,603.56	01-20-97
A1-2	6N/4W-18N3	Single	11		0–1	Cement grout	10–11	2,603.65	01-20-97
Site Lower Narrows									
Lower Narrows	6N/4W-30J5	Single	24.5		0–1	Cement grout	14.5–24.5	2,620	12-04-95
Site C1									
C1-1	6N/5W-1B4	Single	15		0–1	Cement grout	11.4–15	2,543.61	01-21-97
C1-2	6N/5W-1B5	Single	9.8		0–1	Cement grout	8–9	2,543.66	01-21-97
Site C2									
C2-1	6N/5W-1B6	Single	15		0–1	Cement grout	9.4–15	2,543.03	01-21-97
C2-2	6N/5W-1B7	Single	8.8		0–1	Cement grout	7–8	2,542.94	01-21-97
Site C3									
C3-1	6N/5W-1B8	Single	14		0–1	Cement grout	10–14	2,544.19	01-21-97
C3-2	6N/5W-1B9	Single	10		0–1	Cement grout	9–10	2,544.19	01-21-97
Site C4									
C4-1	6N/5W-1C1	Single	15		0–1	Cement grout	10–15	2,543.96	01-21-97
C4-2	6N/5W-1C2	Single	10		0–1	Cement grout	9–10	2,544.02	01-21-97
Site EPA IV-B									
EPA IV-B	6N/5W-1K1	Single	25		0–1	Cement grout	15–25	2,551.50	12-07-95
Site EPA IV-A									
EPA IV-A1					0–1	Cement grout			
EPA IV-A1	6N/5W-1L1	Single	103		88–89	Bentonite	93–103	2,552.56	12-15-95
EPA IV-A2					0–1	Cement grout			
EPA IV-A2	6N/5W-1L2	Single	25	15–25	13–15	Bentonite	15–25	2,552.84	12-15-95
Site EPA VI									
EPA VI					0–1	Cement grout			
EPA VI	6N/5W-12F1	Single	78	63–90	61–63	Bentonite	68–78	2,648.1	12-20-95
Site EPA II									
EPA II-1					0–1	Cement grout			
EPA II-1	6N/5W-12G2	Single	103	91–103	89–91	Bentonite	93–103	2,570.5	12-14-95
EPA II-2					0–1	Cement grout			
EPA II-2	6N/5W-12G3	Single	25		11–13	Bentonite	15–25	2,570.3	12-14-95
Site EPA III									
EPA III	6N/5W-12G4	Single	18.5		0–3	Cement grout	8.5–18.5	2,570.7	12-14-95

Table C1. Well-construction data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Common name	State well No.	Type of well	Depth of well	Sand-pack interval	Seal interval	Type of seal	Perforated interval	Altitude of land-surface datum	Date drilled
				Site B1					
B1-1	6N/5W-12H2	Single	25		0–1	Cement grout	20.2–24.8	2,582.29	01-21-97
B1-2	6N/5W-12H3	Single	21.2		0–1	Cement grout	20–21.2	2,582.32	01-21-97
				Site B2					
B2-1	6N/5W-12H4	Single	15.2		0–1	Cement grout	11.4–15	2,573.68	01-21-97
B2-2	6N/5W-12H5	Single	13.3		0–1	Cement grout	12.2–13.3	2,573.75	01-21-97
				Site B3					
B3-1	6N/5W-12K4	Single	15		0–1	Cement grout	10.4–15	2,573.54	01-21-97
B3-2	6N/5W-12K5	Single	12.8		0–1	Cement grout	11–12	2,573.56	01-21-97
				Site EPA VII					
EPA VII					0–1	Cement grout			
EPA VII	6N/5W-12L5	Single	74	52.5–74	49.8–52.5	Bentonite	64–74	2,636	01-02-96
				Site EPA I					
EPA I-1					0–1	Cement grout			
EPA I-1	*6N/5W-13B1	Single	103	90–105	88–90	Bentonite	93–103	2,580.3	12-13-95
EPA I-2					0–1	Cement grout			
EPA I-2	*6N/5W-13B2	Single	25	14–25	12–14	Bentonite	15–25	2,580.3	12-23-95
				Site A2					
A2-1	6N/5W-24A2	Single	19.6		0–1	Cement grout	15–19.6	2,604.03	01-20-97
A2-2	6N/5W-24A3	Single	12.12		0–1	Cement grout	10–11	2,604.06	01-20-97
				Site B-1					
B-1					0–2	Cement grout			
B-1	7N/4W-6F4	Single	25	6–51.5	2–6	Bentonite	13–25	2,450	06-19-97
				Site B-2					
B-2					0–2	Cement grout			
B-2				20–84	2–20	Bentonite			
B-2	7N/4W-6F5	Single	99	87–101.5	84–87	Bentonite	89–99	2,450	06-19-97
				Site B-3					
B-3	7N/4W-6F6	Single	20	7–51.5	2–7	Bentonite	10–20	2,450	06-18-97
				Site Daily					
Daily-150	7N/4W-19Q7	Multiple	150	110–158	0–110	Cement grout	130–150	2,590	02-16-92
Daily-276	7N/4W-19Q6	Multiple	276	216–294	158–216	Bentonite	256–276	2,590	02-16-92
Daily-594	7N/4W-19Q5	Multiple	594	494–603	294–494	Bentonite	534–574	2,590	02-16-92
				Site EPA V-A					
EPA V-A1					0–26	Cement grout			
EPA V-A1	7N/5W-13H1	Single	100	80–101	26–27	Bentonite	90–100	2,474.9	12-11-95
EPA V-A2					0–12	Cement grout			
EPA V-A2	7N/5W-13H2	Single	25	13–25	12–13	Bentonite	15–25	2,474.9	12-11-95

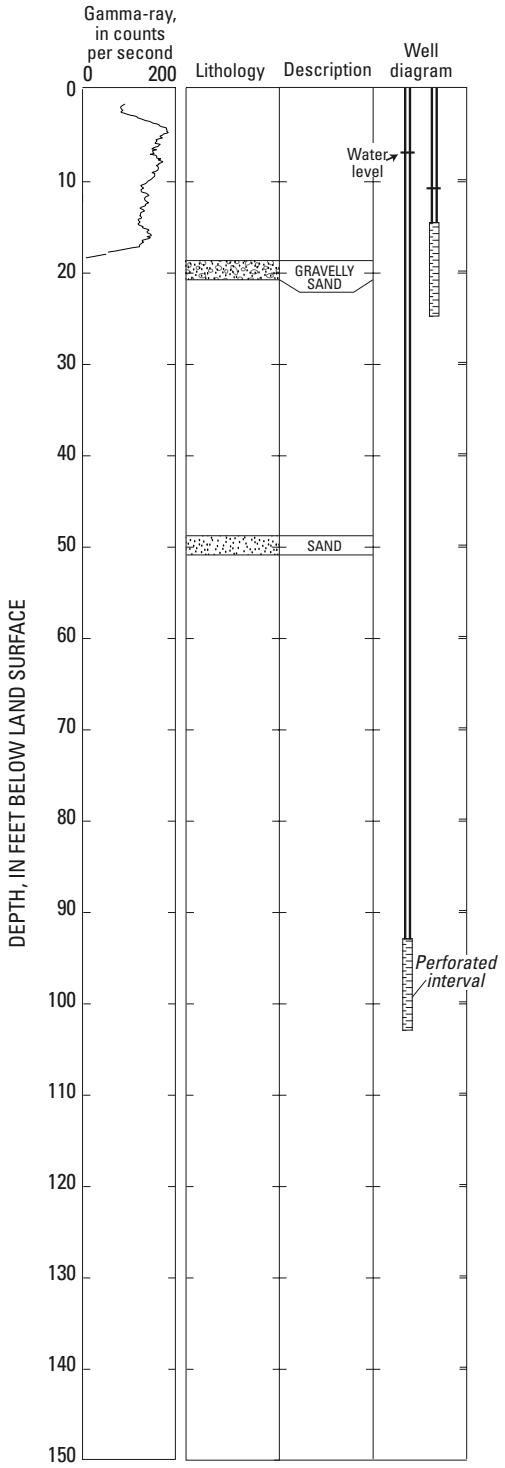
Table C1. Well-construction data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Common name	State well No.	Type of well	Depth of well	Sand-pack interval	Seal interval	Type of seal	Perforated interval	Altitude of land-surface datum	Date drilled
Site EPA V-B									
EPA V-B					0–12	Cement grout			
EPA V-B	7N/5W-13H3	Single	25	13–26	12–13	Bentonite	15–25	2,474.5	12-11-95
Site Older-2									
Older-2 at 92	7N/5W-23R4	Multiple	92	40–100	0–100	Cement grout	57–92	2,725	03-03-92
Older-2 at 315	7N/5W-23R3	Multiple	315	272–360	100–272	Bentonite	295–315	2,725	03-03-92
Older-2 at 510	7N/5W-23R2	Multiple	510	460–538	360–460	Bentonite	490–510	2,725	03-03-92
Older-2 at 740	7N/5W-23R1	Multiple	740	683–760	538–683	Bentonite	700–740	2,725	03-03-92
Site Older-1									
Older-1 at 50	7N/5W-24R8	Multiple	50	34–62	0–34	Cement grout	45–50	2,505	02-29-92
Older-1 at 150	7N/5W-24R7	Multiple	150	110–178	62–110	Bentonite	130–150	2,505	02-29-92
Older-1 at 285	7N/5W-24R6	Multiple	285	245–320	178–245	Bentonite	265–285	2,505	02-29-92
Older-1 at 550	7N/5W-24R5	Multiple	550	487–600	320–487	Bentonite	510–550	2,505	02-29-92
Site Palisades No 1									
Palisades No 1	7N/5W-25C2	Single	4.5		0–-1	Cement grout	3–4.5	2,510	02-06-97
Site Helendale 4									
Helendale 4					0–32	Cement grout			
Helendale 4-4	8N/4W-19G4	Multiple	100	38–109	32–38	Bentonite	80–100	2,458	12-17-94
Helendale 4-3	8N/4W-19G3	Multiple	170	127–183	109–127	Bentonite	150–170	2,458	12-17-94
Helendale 4-2	8N/4W-19G2	Multiple	240	201–255	183–201	Bentonite	220–240	2,458	12-17-94
Helendale 4-1	8N/4W-19G1	Multiple	315	277–318	255–277	Bentonite	295–315	2,458	12-17-94
Site Helendale 2									
Helendale 2-50	8N/4W-20Q11	Multiple	51	20–70	0–20	Cement grout	30–50	2,397.3	10-25-93
Helendale 2-160	8N/4W-20Q10	Multiple	160	120–180	70–120	Bentonite	140–160	2,397.3	10-25-93
Helendale 2-270	8N/4W-20Q9	Multiple	270	250–290	180–250	Bentonite	250–270	2,397.3	10-25-93
Helendale 2-350	8N/4W-20Q8	Multiple	350	310–370	290–310	Bentonite	330–350	2,397.3	10-25-93
Helendale 2-460	8N/4W-20Q7	Multiple	460	420–460	370–420	Bentonite	440–460	2,397.3	10-25-93
Site CHERIES									
CHERIES					0–50	Cement grout			
CHERIES	8N/4W-20Q12	Single		80–139.5	50–80	Bentonite	99.5–139.5	2,397.3	01-11-94
Site Helendale 3									
Helendale 3					0–19	Cement grout			
Helendale 3-4	8N/4W-29E6	Multiple	40	20–66	19–20	Bentonite	30–40	2,409.49	12-13-94
Helendale 3-3	8N/4W-29E5	Multiple	130	95–154	66–95	Bentonite	110–130	2,409.49	12-13-94
Helendale 3-2	8N/4W-29E4	Multiple	210	167–235	154–167	Bentonite	190–210	2,409.49	12-13-94
Helendale 3-1	8N/4W-29E3	Multiple	309	266–309	235–266	Bentonite	289–309	2,409.49	12-13-94

Table C2. Lithologic log for multiple-well monitoring site EPA IV-A (wells 6N/5W-1L1 and 2) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California

[Altitude of land surface, approximately 2,553 ft. Depth is in feet below land surface. Soil and rock color notation from Munsell Color (1994). Drilled by Layne-Christensen using auger, December 1995. Total depth drilled 109 ft. Screened intervals: 93–103 and 15–25 ft]

Depth (ft)		Description
From	To	
		CORES
19	21	Sand, fine to medium, with some coarse to very coarse; moderately sorted; subangular to subrounded; changing with increase in depth to gravelly sand, coarse to very coarse, and granule- to large pebble-sized gravel with some fine to medium sand; poorly sorted; subangular to rounded; quartz, mica; olive gray (5Y 5/2 to 5Y 4/2)
49	51	Sand, very fine to fine; well-sorted; subangular to subrounded; light olive brown (2.5Y 5/3) changing with increased depth to a sandy clay, with some very fine sand; well-sorted; yellowish brown (10YR 5/4)



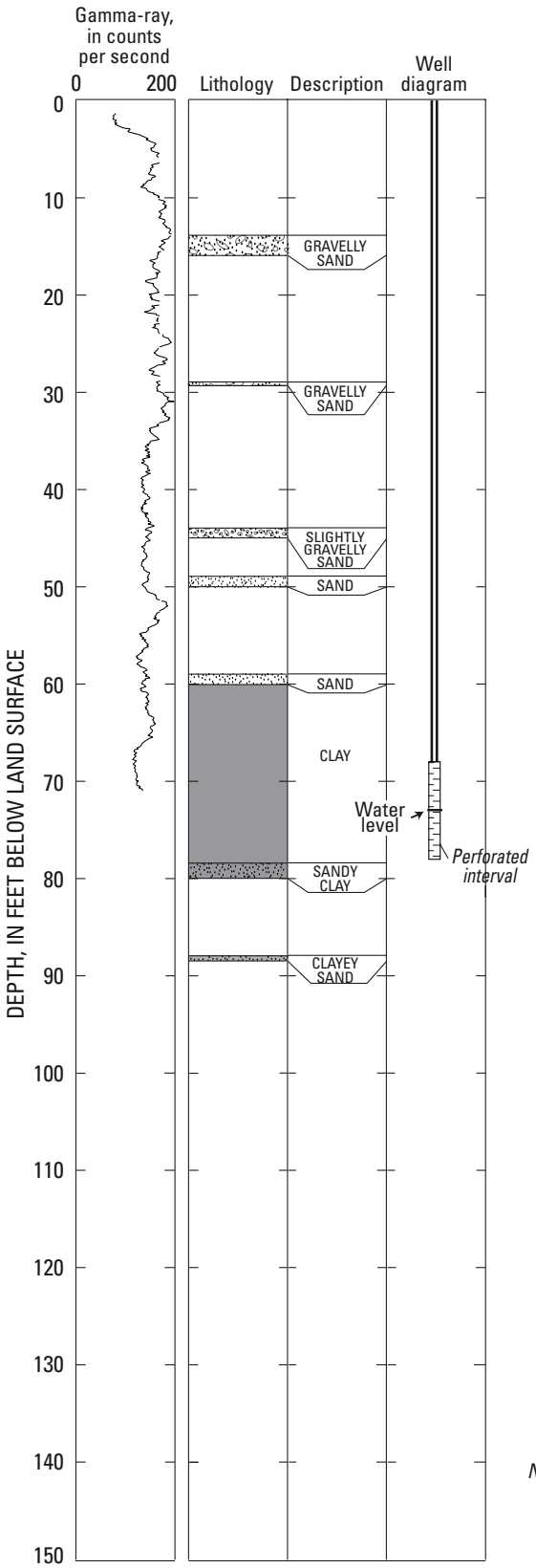
Note: Some lithologic units may have been combined for presentation in this figure and the lithologic description may not correspond exactly to the description in the lithologic log shown in table.

Figure C2. Geophysical log, lithology, and well diagram for multiple-well monitoring site EPA IV-A (wells 6N/5W-1L1 and 2) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California.

Table C3. Lithologic log for monitoring site EPA VI (well 6N/5W-12F1) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California

[Altitude of land surface, approximately 2,648 ft. Depth is in feet below land surface. Soil and rock color notation from Munsell Color (1994). Drilled by Layne-Christensen using auger, December 1995. Total depth drilled 90 ft. Screened interval: 68–78 ft]

Depth (ft)		Description
From	To	
		CORES
14	16	Gravelly sand, fine to medium, with some very fine sand and occasional granule- to medium pebble-sized gravel; moderately sorted; subangular to subrounded; dark yellowish brown (10YR 4/6); changing to gravelly sand, coarse to very coarse, with granule- to large pebble-sized gravel and some fine to medium sand; poorly sorted; subangular to rounded; yellowish brown (10YR 5/6)
29	29.3	Gravelly sand, medium to coarse, with granule- to large pebble-sized gravel and some fine to very coarse sand; poorly sorted; subangular to rounded; yellowish brown (10YR 5/6), only 4 inches of core recovered
44	45	Slightly gravelly sand, medium to coarse, with some fine and very coarse sand and granule- to small pebble-size gravel; changing to clayey sand, medium to coarse, with some very fine to fine and very coarse sand; poorly sorted; subangular to subrounded; yellowish brown (10YR 5/4)
49	50	Sand, coarse to very coarse, with some medium sand and granule- to small pebble-sized gravel; moderately sorted; subangular to subrounded; yellowish brown (10YR 5/4 to 10YR 5/6)
59	60	Sand, coarse, with some medium to very coarse sand and occasional granule- to small pebble-sized gravel; moderately sorted; subangular to subrounded; yellowish brown (10YR 5/6)
60	78.5	Clay, with occasional fine to coarse sand; well-sorted; dark yellowish brown (10YR 4/4)
78.5	80	Sandy clay, with some fine to coarse sand; poorly sorted; subangular to subrounded; dark yellowish brown (10YR 4/4) to yellowish brown (10YR 5/4)
88	88.5	Clayey sand, medium to coarse, with some fine and very coarse sand; poorly sorted; subangular to subrounded; pale brown (10YR 6/3)



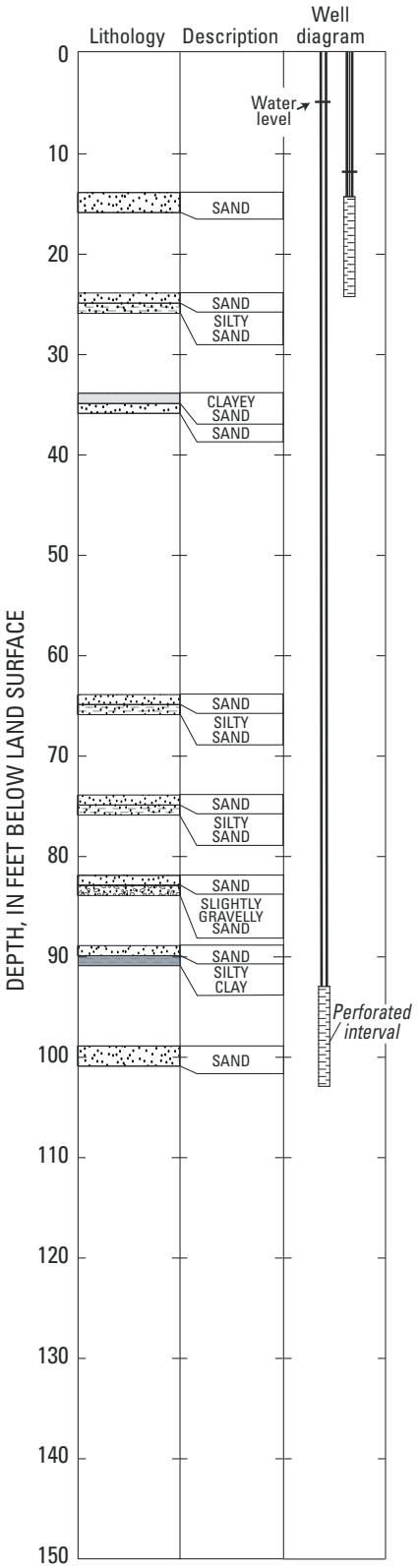
Note: Some lithologic units may have been combined for presentation in this figure and the lithologic description may not correspond exactly to the description in the lithologic log shown in table.

Figure C3. Geophysical log, lithology, and well diagram for monitoring site EPA VI (well 6N/5W-12F1) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California.

Table C4. Lithologic log for multiple-well monitoring site EPA II (wells 6N/5W-12G2 and 3) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California

[Altitude of land surface, approximately 2,570 ft. Depth is in feet below land surface. Soil and rock color notation from Munsell Color (1994). Drilled by Layne-Christensen using auger, December 1995. Total depth drilled 103 ft. Screened intervals: 93–103, 15–25 ft]

Depth (ft)		Description
From	To	
		CORES
14	15	Sand, fine to medium, with some very fine and coarse to very coarse; moderately sorted; subangular to subrounded; quartz, mica, plant matter; dark grayish brown (2.5Y 4/2)
15	16	Sand, coarse to very coarse, with some medium; well-sorted; subangular to subrounded; quartz, mica; light olive brown (2.5Y 5/3)
24	25	Sand, medium to coarse, with some fine and very coarse; moderately sorted; subangular to subrounded; quartz, mica; light olive brown (2.5Y 5/3)
25	26	Silty sand, very fine to fine, with some medium sand; moderately sorted; subangular to subrounded; quartz, mica; olive gray (5Y 4/2)
34	35	Clayey sand, fine, with some very fine sand; well-sorted; subangular to subrounded; quartz, mica: sand: olive (5Y 4/3), clay: black (5Y 2.5/1)
35	36	Sand, medium, with some fine to coarse; moderately sorted; subangular to subrounded; quartz, mica; olive (5Y 4/3)
64	65	Sand, medium, with some fine and coarse; well-sorted; subrounded; quartz, mica; olive (5Y 5/3)
65	66	Sand, very fine to fine, with some silt; well-sorted; subangular to subrounded; quartz; olive (5Y 5/3)
74	75	Sand, fine to medium, with some coarse; well-sorted; subangular to subrounded; quartz; olive (5Y 5/3)
75	76	Sand, fine to medium, with some silt and very fine sand; moderately sorted; subangular to subrounded; quartz; yellowish brown (10YR 5/4)
82	83	Sand, fine, with some very fine and medium; well-sorted; subangular to subrounded; quartz; grayish brown (2.5Y 5/2)
83	84	Sand, fine to medium, with some coarse sand and occasional granule- to small pebble-sized gravel; moderately sorted; subangular to subrounded; quartz; dark grayish brown (2.5Y 4/2)
89	90	Sand, medium, with some fine; well-sorted; subangular to subrounded; quartz; light olive brown (2.5Y 5/3)
90	91	Silty clay; well-sorted; yellowish brown (10YR 5/4)
99	100	Sand, fine, with some very fine, medium and occasional coarse sand grains; well-sorted; subangular to subrounded; yellowish brown (10YR 5/6)
100	101	Sand, very fine, with some fine; well-sorted; subangular to subrounded; quartz; yellowish brown (10YR 5/4)



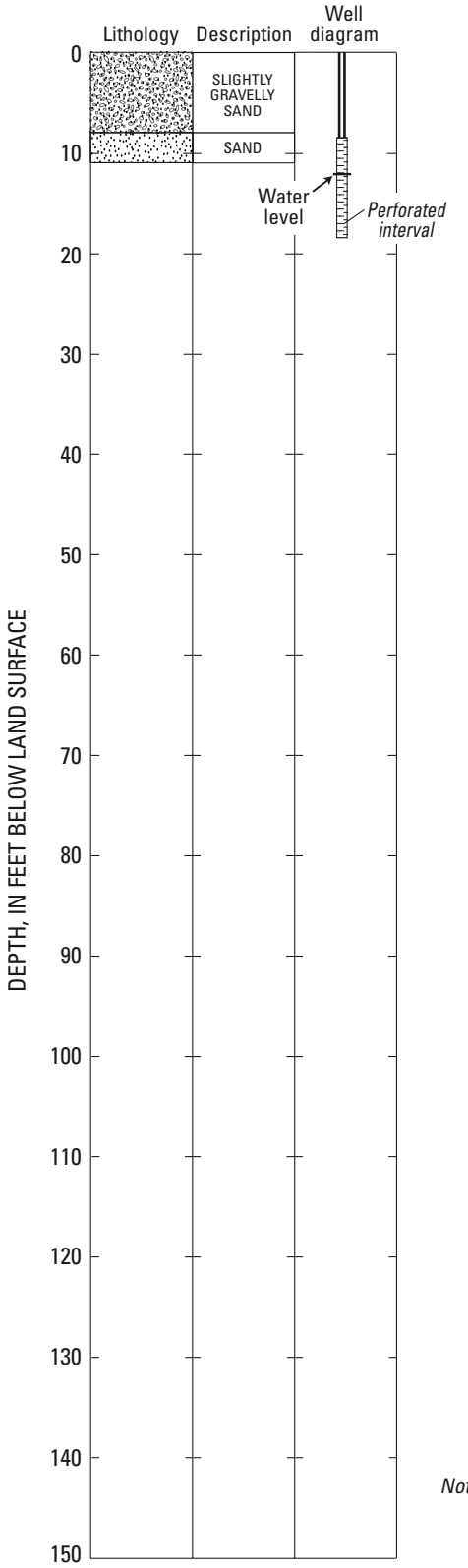
Note: Some lithologic units may have been combined for presentation in this figure and the lithologic description may not correspond exactly to the description in the lithologic log shown in table.

Figure C4. Lithology and well diagram for multiple-well monitoring site EPA II (wells 6N/5W-12G2 and 3) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California.

Table C5. Lithologic log for monitoring site EPA III (well 6N/5W-12G4) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California

[Altitude of land surface, approximately 2,571 ft. Depth is in feet below land surface. Soil and rock color notation from Munsell Color (1994). Drilled by Layne-Christensen using auger, December 1995. Total depth drilled 18.5 ft. Screened interval: 8–18.5 ft]

Depth (ft)		Description
From	To	
0	5	Sand, very fine to very coarse, minor granule to small pebbles; poorly sorted; subangular to subrounded; biotite; olive (5Y 4/3)
5	8	Sand, very fine to very coarse, minor granules; poorly sorted; subangular to subrounded; biotite; olive (5Y 4/3)
8	11	Sand, fine to very coarse; poorly sorted; subangular to subrounded; olive (5Y 4/3)
11	18.5	No sample collected



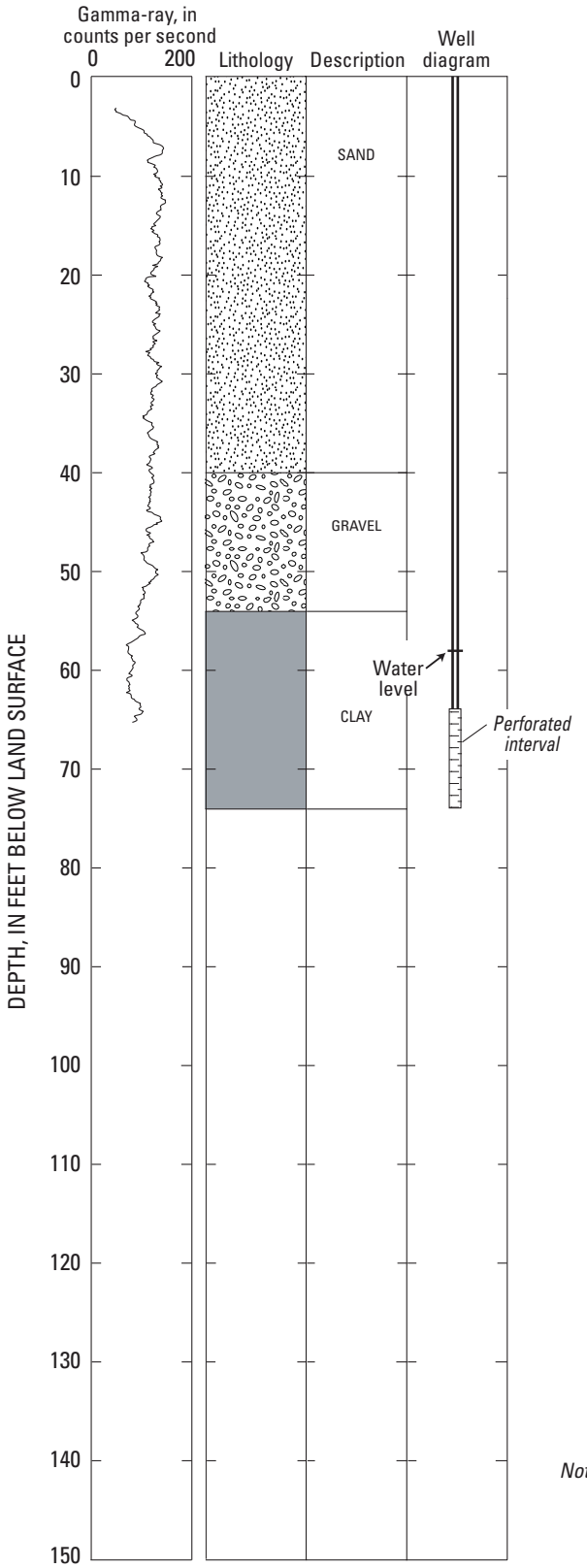
Note: Some lithologic units may have been combined for presentation in this figure and the lithologic description may not correspond exactly to the description in the lithologic log shown in table.

Figure C5. Lithology and well diagram for monitoring site EPA III (wells 6N/5W-12G4) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California

Table C6. Lithologic log for monitoring site EPA VII (well 6N/5W-12L5) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California

[Altitude of land surface, approximately 2,636 ft. Depth is in feet below land surface. Soil and rock color notation from Munsell Color (1994). Drilled by Layne-Christensen using auger, December 1995. Total depth drilled 74 ft. Screened interval: 64–74 ft]

Depth (ft)		Description
From	To	
0	40	Sand
40	42	Gravel, small pebbles
42	54	Gravel, cobbles
54	74	Clay



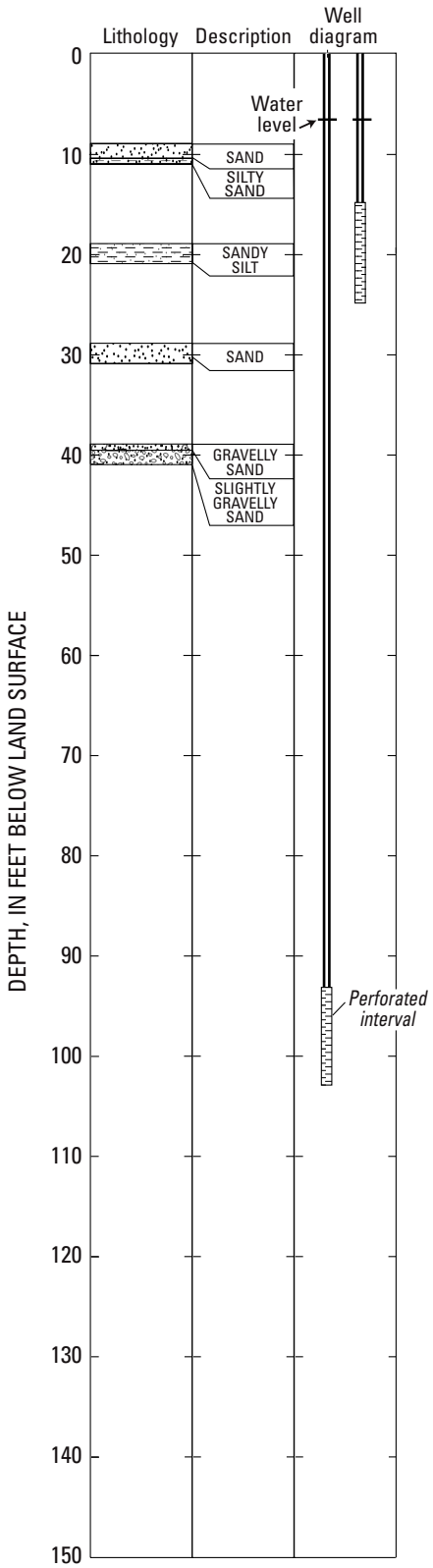
Note: Some lithologic units may have been combined for presentation in this figure and the lithologic description may not correspond exactly to the description in the lithologic log shown in table.

Figure C6. Geophysical log, lithology, and well diagram for monitoring site EPA VII (well 6N/5W-12L5) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California.

Table C7. Lithologic log for multiple-well monitoring site EPA I (wells 6N/5W-13B1 and 2) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California

[Altitude of land surface, approximately 2,580 ft. Depth is in feet below land surface. Soil and rock color notation from Munsell Color (1994). Drilled by Layne-Christensen using auger, December 1995. Total depth drilled 104 ft. Screened intervals: 93–103, 15–25 ft]

Depth (ft)		Description
From	To	
		CORES
9	10.5	Sand, coarse, some medium to very coarse; moderately sorted; olive gray (5Y 5/2)
10.5	11	Silty sand, very fine to fine sand and silt with occasional medium to coarse sand; well-sorted; subrounded to subangular; quartz, mica, black decomposed organic matter; olive gray (5Y 4/2)
19	21	Sandy silt, with very fine and occasional fine sand; well-sorted; subangular; quartz, mica; olive gray (5Y 4/2)
29	31	Sand, fine, with some very fine and medium; well-sorted; subangular; quartz, mica, mafic minerals; olive gray (5Y 4/2)
39	39.5	Gravelly sand, medium to coarse, with some fine and very coarse sand, gravel granules; poorly sorted
39.5	41	Sand, medium to coarse, with some fine sand and occasional granules to small pebbles; moderately sorted; subangular to subrounded; olive gray (5Y 5/2)



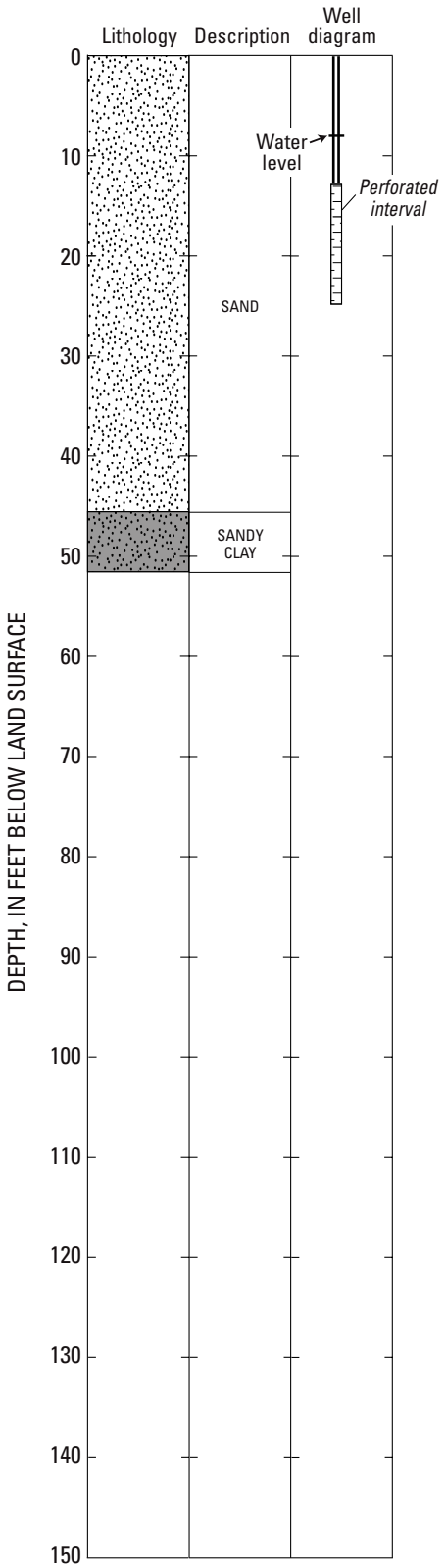
Note: Some lithologic units may have been combined for presentation in this figure and the lithologic description may not correspond exactly to the description in the lithologic log shown in table.

Figure C7. Lithology and well diagram for multiple-well monitoring site EPA I (wells 6N/5W-13B1 and 2) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California.

Table C8. Lithologic log for monitoring site B-1 (well 7N/4W-6F4) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California

[Altitude of land surface, approximately 2,450 ft. Depth is in feet below land surface. Soil and rock color notation from Munsell Color (1994). Drilled by Spectrum Exploration using auger, June 1997. Total depth drilled 51.5 ft. Screened interval: 13–25 ft]

Depth (ft)		Description
From	To	
		(Log furnished by Kleinfelder, Inc.)
0	6.5	Sand, light brownish gray (2.5Y 6/2), dry dense, fine to medium, some coarse
6.5	11.5	Sand, yellowish brown (10YR 5/4), wet, medium dense, fine to coarse, about 10 percent fine gravel up to 0.5-inch diameter
11.5	16.5	Sand, yellowish brown (10YR 5/4), wet, dense, fine to medium, some coarse
16.5	31.5	Sand, yellowish brown (10YR 5/4), wet, very dense, fine to medium, some fine gravel
31.5	36.5	Sand, yellowish brown (10YR 5/4), wet, very dense, fine to medium, some fine gravel, pink/gray clay layer within sand
36.5	41.5	Sand, grayish brown (2.5Y 5/2), wet, very dense, few pinkish gray nodules, very weathered, fine to medium, some coarse
41.5	46.5	Sand, grayish brown (2.5Y 5/2), wet, very dense, few pinkish gray clay nodules, very weathered, fine to medium, some coarse, same as above, with thin pinkish gray clay interbeds
46.5	51.5	Sandy clay, grayish brown (10YR 5/2), wet, hard, fine to coarse sand with few fine to coarse gravel grains



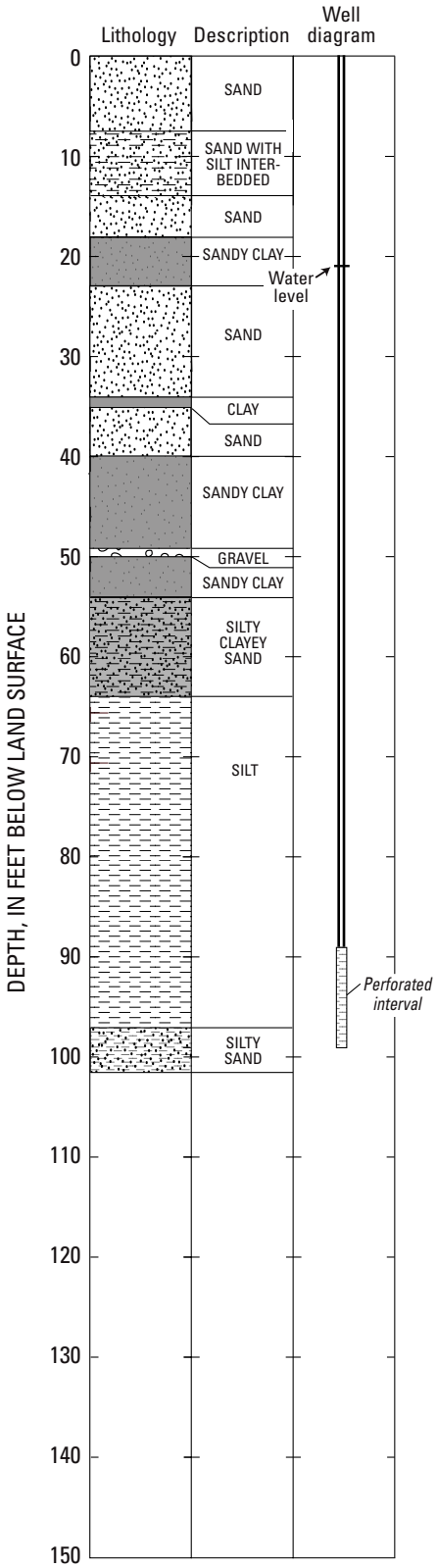
Note: Some lithologic units may have been combined for presentation in this figure and the lithologic description may not correspond exactly to the description in the lithologic log shown in table.

Figure C8. Lithology and well diagram for monitoring site B-1 (well 7N/4W-6F4) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California.

Table C9. Lithologic log for monitoring site B-2 (well 7N/4W-6F5) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California

[Altitude of land surface, approximately 2,450 ft. Depth is in feet below land surface. Soil and rock color notation from Munsell Color (1994). Drilled by Spectrum Exploration using auger, June 1997. Total depth drilled 101.5 ft. Screened interval: 89–99 ft]

Depth (ft)		Description
From	To	
		(Log furnished by Kleinfelder, Inc.)
0	7.5	Sand, light brown (7.5Y 6/3), wet, medium dense, fine to coarse
7.5	14	Sand, with silt interbedded, light brown sand (7.5YR 6/3), dark olive gray silt (5Y 3/2), wet, medium dense, micaceous
14	18	Sand, light brownish gray (2.5Y 6/2), wet, dense, fine to coarse, some fine gravel, some coarse gravel, rounded
18	23	Sandy clay, pinkish gray (7.5YR 7/2), wet, hard, fine to coarse sand, and some fine gravel, subangular to subrounded
23	28	Sand and some gravel, olive gray (5Y 5/2), wet, very dense, fine to coarse sand, fine gravel, subangular to subrounded
28	34	Sand, grayish brown (2.5Y 5/2), wet, very dense, fine to medium, some coarse, very few fine gravel grains (sampler was full, suspected heave material, count may be artificially high)
34	35	Clayey sand, olive gray (5YR 5/2), minor, pinkish gray clay
35	39	Sand, grayish brown (2.5Y 5/2), wet, very dense, fine to medium, some coarse, very few fine gravel grains
39	45	Sandy clay, brown (10YR 5/3), wet, hard, fine to coarse sand, fine gravel
45	49	Sandy clay, brown (10YR 5/3), wet, hard, fine to coarse sand, fine gravel, some weathered grains
49	50	Gravel, pinkish gray (7.5YR 7/2), wet, very dense, rhyolitic clasts present
50	54	Sandy clay, brown (10YR 5/3), wet, hard, fine to coarse sand, fine gravel, some weathered grains
54	64	Silty clayey sand, yellowish brown (10YR 5/4), wet, very dense, fine to medium sand, few fine to coarse gravel grains, subangular
64	70	Silt, yellowish brown (10YR 5/4), wet, hard, some fine sand, few decomposed flakes, very minor clay
70	97	Silt, yellowish brown (10YR 5/4), wet, hard, some fine sand, few decomposed organic flakes, slight increased clay
97	101.5	Silty sand, brown (10YR 5/3), wet, very dense, fine to medium sand, few fine gravel grains



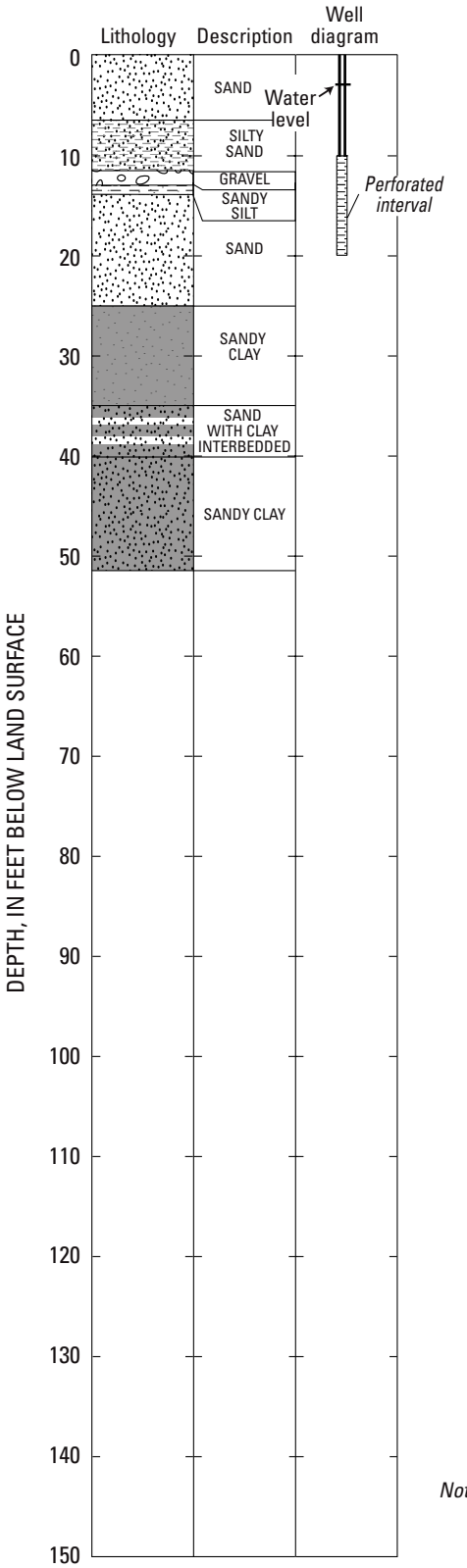
Note: Some lithologic units may have been combined for presentation in this figure and the lithologic description may not correspond exactly to the description in the lithologic log shown in table.

Figure C9. Lithology and well diagram for monitoring site B-2 (well 7N/4W-6F5) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California.

Table C10. Lithologic log for monitoring site B-3 (well 7N/4W-6F6) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California

[Altitude of land surface, approximately 2,450 ft. Depth is in feet below land surface. Soil and rock color notation from Munsell Color (1994). Drilled by Spectrum Exploration using auger, June 1997. Total depth drilled 51.5 ft. Screened interval: 10–20 ft]

Depth (ft)		Description
From	To	
		(Log furnished by Kleinfelder, Inc.)
0	6.5	Sand, light brownish gray (2.5Y 6/2), wet, dense, fine to coarse; thin interbed of weathered biotite
6.5	11.5	Sand, light yellowish brown (2.5YR 6/3), wet, very dense, fine to coarse, very minor silt; silt, light brownish gray (10YR 6/2), with fine sand, approximately 0.5-inch thick bed
11.5	20	Sand, brown (10YR 5/3), wet, very dense, fine to coarse sand, some fine gravel, very few coarse gravel grains
20	25	Sand, brown (10YR 5/3), wet, very dense, fine to coarse sand, some fine gravel, very few coarse gravel grains; sandy clay, brown (7.5YR 5/4), approximately 1 inch thick, in shoe of sampler
25	30	Sandy clay, brown (7.5YR 5/4), wet, hard, fine to coarse sand
30	35	Sandy clay, brown (7.5Y 5/4), wet, hard, fine to coarse sand, chlorite-coated quartz grains (weathered), few rhyolitic clasts
35	40	Sand with clay; interbedded, brown (7.5YR 5/4), wet, very dense, chlorite-coated quartz clasts, some rhyolite clasts
40	45	Sandy clay, brown (7.5YR 5/4), wet, hard, fine to coarse
45	50	Sandy clay, brown (7.5YR 5/4), wet, hard, weathered diorite clasts, few fine chloritic gravel grains
50	51.5	Sandy clay, brown (7.5YR 5/4), wet, hard, weathered diorite clasts, few fine chloritic gravel grains, fine gravel rhyolitic clasts



Note: Some lithologic units may have been combined for presentation in this figure and the lithologic description may not correspond exactly to the description in the lithologic log shown in table.

Figure C10. Lithology and well diagram for monitoring site B-3 (well 7N/4W-6F6) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California.

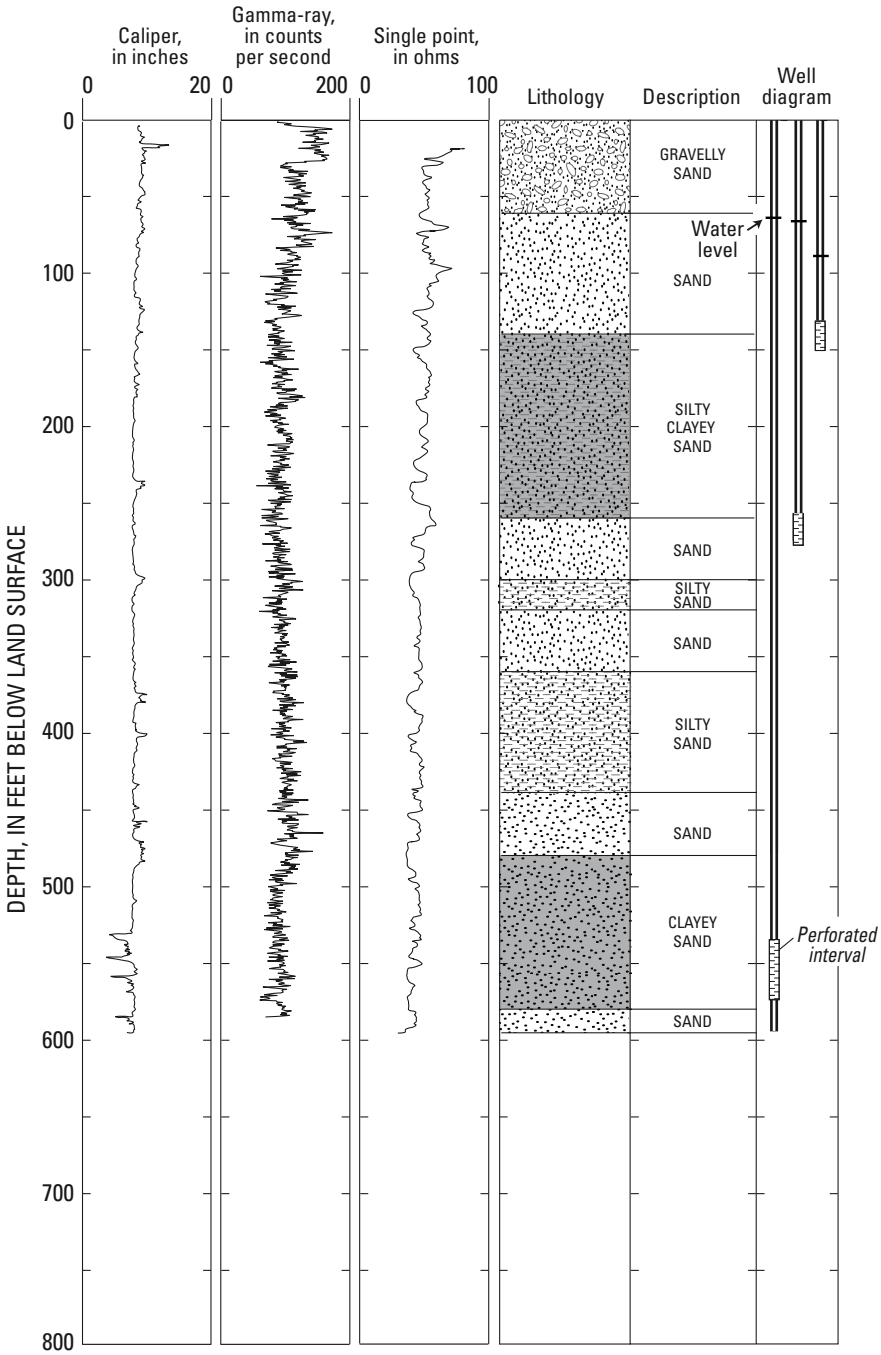
Table C11. Lithologic log for multiple-well monitoring site Daily (wells 7N/4W-19Q5–7) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California

[Altitude of land surface, approximately 2,590 ft. Depth is in feet below land surface. Soil and rock color notation from Munsell Color (1994). Drilled by U.S. Geological Survey using mud rotary, February 1992. Total depth drilled 596 ft. Screened intervals: 534–574, 256–276, and 130–150 ft]

Depth (ft)		Description
From	To	
0	20	Sand, coarse, with fine grains to small pebbles; poorly sorted; subrounded to rounded; quartz, rock fragments; dark yellowish brown (10YR 4/2)
20	40	Sand, medium, with fine grains to small pebbles; poorly sorted; subrounded to rounded; quartz, rock fragments, biotite; moderate yellowish brown (10YR 5/4)
40	60	Sand, coarse, with medium to very coarse grains; well-sorted; subrounded to rounded; quartz, rock fragments; moderate yellowish brown (10YR 5/4)
60	80	Sand, medium, with fine to very coarse grains; moderately sorted; subrounded to well-rounded; quartz, black mineral; moderate yellowish brown (10YR 5/4)
80	100	Sand, medium, with fine grains to granules; moderately sorted; subangular to rounded; quartz; moderate yellowish brown (10YR 5/4)
100	120	Sand, medium, with fine to very coarse grains; moderately sorted; subrounded to rounded; quartz; moderate yellowish brown (10YR 5/4)
120	140	Sand, medium, with fine to coarse grains; well-sorted; subangular to rounded; quartz; moderate yellowish brown (10YR 5/4)
140	160	Clayey sand, fine to very coarse; poorly sorted; subrounded to rounded; quartz, rock fragments; moderate yellowish brown (10YR 5/4)
160	180	Clayey sand, coarse, with fine grains to small pebbles; very poorly sorted; subangular to rounded; moderate yellowish brown (10YR 5/4)
180	200	Silty sand, fine, with very coarse grains; poorly sorted; subrounded to rounded; quartz; moderate yellowish brown (10YR 5/4)
200	220	Silty sand, fine, with clay to granules; very poorly sorted; subrounded to rounded; moderate yellowish brown (10YR 5/4)
220	240	Silty sand, fine, with clay to fine grains; moderately sorted; subrounded to rounded; moderate yellowish brown (10YR 5/4)
240	260	Sand, medium, with fine to coarse grains; well-sorted; subrounded to rounded; quartz; moderate yellowish brown (10YR 5/4)
260	280	Sand, coarse, with fine grains to granules; moderately sorted; subrounded to rounded; quartz, rock fragments; moderate yellowish brown (10YR 5/4)
280	300	Sand, coarse, with fine to very coarse grains; moderately sorted; subrounded to rounded; quartz, rock fragments; moderate yellowish brown (10YR 5/4)
300	320	Silty sand, fine, with clay to medium grains; moderately sorted; subrounded to rounded; quartz; moderate yellowish brown (10YR 5/4)
320	340	Sand, coarse, with fine to very coarse grains; moderately sorted; subangular to rounded; quartz, rock fragments; moderate yellowish brown (10YR 5/4)
340	360	Sand, coarse, with fine to very coarse grains; moderately sorted; subangular to rounded; moderate yellowish brown (10YR 5/4)
360	380	Sand, coarse, with fine grains to granules; poorly sorted; subangular to rounded; quartz, rock fragments; moderate yellowish brown (10YR 5/4)
380	400	Silty sand, medium, with clay to granules; very poorly sorted; subangular to rounded; pale yellowish brown (10YR 6/2)
400	420	Silty sand, medium, with clay to coarse grains; poorly sorted; subangular to rounded; pale yellowish brown (10YR 6/2)

Table C11. Lithologic log for multiple-well monitoring site Daily (wells 7N/4W-19Q5–7) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Depth (ft)		Description
From	To	
420	440	Clayey sand, medium, with fine to very coarse grains; very poorly sorted; subangular to rounded; quartz, rock fragments; pale yellowish brown (10YR 6/2)
440	460	Sand, coarse, with fine grains to small pebbles; poorly sorted; subangular to subrounded; quartz; pale yellowish brown (10YR 6/2)
460	480	Sand, medium, with fine grains to granules; poorly sorted; subrounded to rounded; quartz, rock fragments; pale yellowish brown (10YR 6/2)
480	500	Clayey sand, fine, with some medium grains; moderately sorted; subrounded to rounded; pale yellowish brown (10YR 6/2)
500	520	Clayey sand, medium, with clay to very coarse grains; poorly sorted; subrounded to rounded; quartz, rock fragments; pale yellowish brown (10YR 6/2)
520	540	Sand, coarse, with fine to very coarse grains; moderately sorted; subangular to rounded; quartz, rock fragments; pale yellowish brown (10YR 6/2)
540	560	Clayey sand, coarse, with clay to small pebbles; very poorly sorted; subangular to subrounded; quartz, rock fragments; pale yellowish brown (10YR 6/2)
560	580	Sand, medium, with fine to very coarse grains; moderately sorted; subrounded to rounded; moderate yellowish brown (10YR 5/4)
580	596	Sand, medium, with very fine to coarse grains; moderately sorted; subangular to rounded; moderate yellowish brown (10YR 5/4)



Note: Some lithologic units may have been combined for presentation in this figure and the lithologic description may not correspond exactly to the description in the lithologic log shown in table.

Figure C11. Geophysical logs, lithology, and well diagram for multiple-well monitoring site Daily (wells 7N/4W-19Q5–7) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California.

Table C12. Lithologic log for multiple-well monitoring site EPA V-A (wells 7N/5W-13H1 and 2) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California

[Altitude of land surface, approximately 2,475 ft. Depth is in feet below land surface. Soil and rock color notation from Munsell Color (1994). Drilled by Layne-Christensen using auger, December 1995. Total depth drilled 101 ft. Screened intervals: 90–100, 15–25 ft]

Depth (ft)		Description
From	To	
		CORES
9	10	Sand, medium to coarse sand, with some very coarse sand and granule- to small pebble-sized gravel; moderately sorted; subrounded; yellowish brown (10YR 5/6)
19	21	Sand, fine to coarse, with some very coarse; moderately sorted; grayish brown (10YR 5/2), changing with depth to a fine sand; well-sorted; subangular to subrounded; olive gray (5Y 4/2) interbedded with dark yellowish brown (10YR 4/4)
29	31	Sand, fine to medium; well-sorted; subangular to subrounded; changing to slightly gravelly sand, fine to medium, with some coarse sand and granule- to small pebble-sized gravel; poorly sorted; subangular to rounded; grayish brown (10YR 5/2)
39	41	Sand, medium, with some fine to coarse; well-sorted; subangular to subrounded; grayish brown (10YR 5/2)
49	51	Sand, fine to medium; well-sorted; changing to slightly gravelly sand, medium to coarse, with some fine to very coarse sand and granule- to small pebble-sized gravel; poorly sorted; subangular to subrounded; grayish brown (10YR 5/2)
59	61	Sand, medium, with some fine to coarse; well-sorted; subangular to subrounded; grayish brown (10YR 5/2) to yellowish brown (10YR 5/4)
69	70.5	Sand, fine to medium; well-sorted; subangular to subrounded; yellowish brown (10YR 5/4)
79	81.5	Sand, fine to medium; well-sorted; yellowish brown (10YR 5/4), changing to a clayey sand, fine to medium, with some silt, very fine and coarse sand; poorly sorted; subangular to subrounded; dark brown (10YR 3/3)
89	91	Sand, fine to medium; well-sorted; changing to medium to coarse with some fine to very coarse sand; moderately sorted; subangular to subrounded; yellowish brown (10YR 5/4)
99	101	Sand, fine, with some very fine and medium; well-sorted; subangular to subrounded; yellowish brown (10YR 5/4)

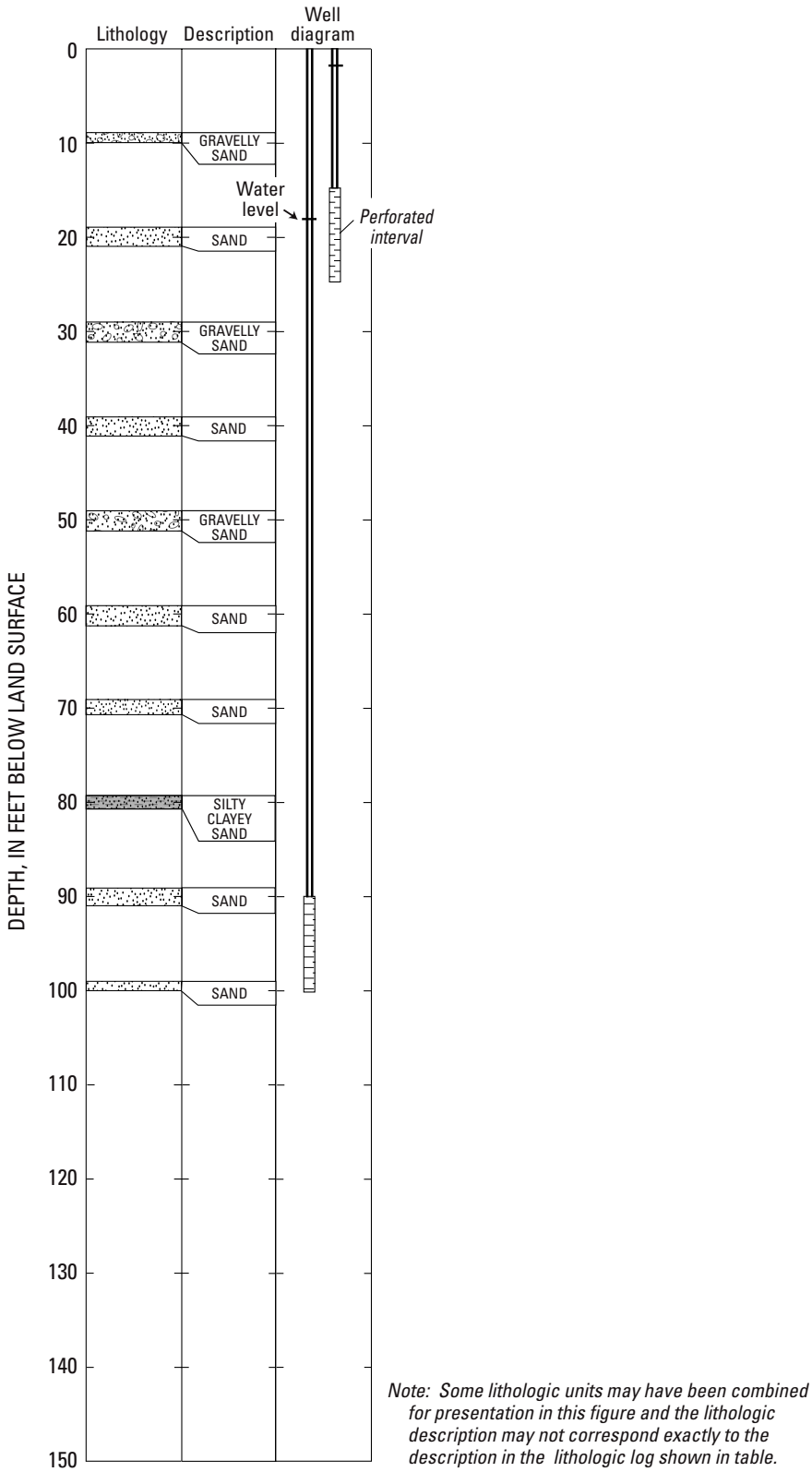
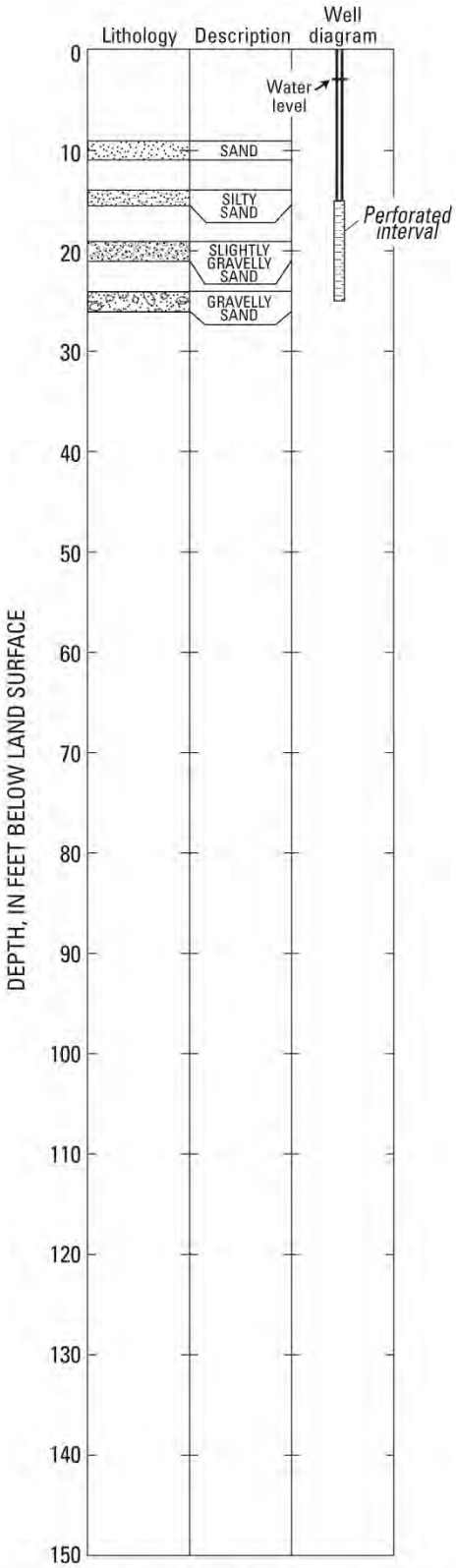


Figure C12. Lithology and well diagram for multiple-well monitoring site EPA V-A (wells 7N/5W-13H1 and 2) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California

Table C13. Lithologic log for monitoring site EPA V-B (well 7N/5W-13H3) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California

[Altitude of land surface, approximately 2,475 ft. Depth is in feet below land surface. Soil and rock color notation from Munsell Color (1994). Drilled by Layne-Christensen using auger, December 1995. Total depth drilled 42 ft. Screened interval: 15–25 ft]

Depth (ft)		Description
From	To	
		CORES
9	11	Sand, medium, with some fine and coarse; well-sorted; subangular to subrounded; light olive brown (2.5Y 5/3)
14	15.5	Sand to silty sand, fine to medium; well-sorted; changing to a very fine sand and silt with increased depth; well-sorted; subangular to subrounded; olive brown (2.5Y 4/3)
19	21	Sand to slightly gravelly sand, medium to coarse with some fine and occasional very coarse sand; well-sorted; subangular to subrounded; increase in coarse sand with some medium to very coarse sand and granule- to small pebble-sized gravel with increased depth; moderately sorted; subangular to rounded; light olive brown (2.5Y 5/3)
24	26	Sand to gravelly sand, medium, with some fine to coarse sand; well-sorted with an increase in coarse to very coarse sand, and granule- to large pebble-sized gravel, some medium sand with increased depth; poorly sorted; subangular to subrounded; light olive brown (2.5Y 5/3)



Note: Some lithologic units may have been combined for presentation in this figure and the lithologic description may not correspond exactly to the description in the lithologic log shown in table.

Figure C13. Lithology and well diagram for monitoring site EPA V-B (well 7N/5W-13H3) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California.

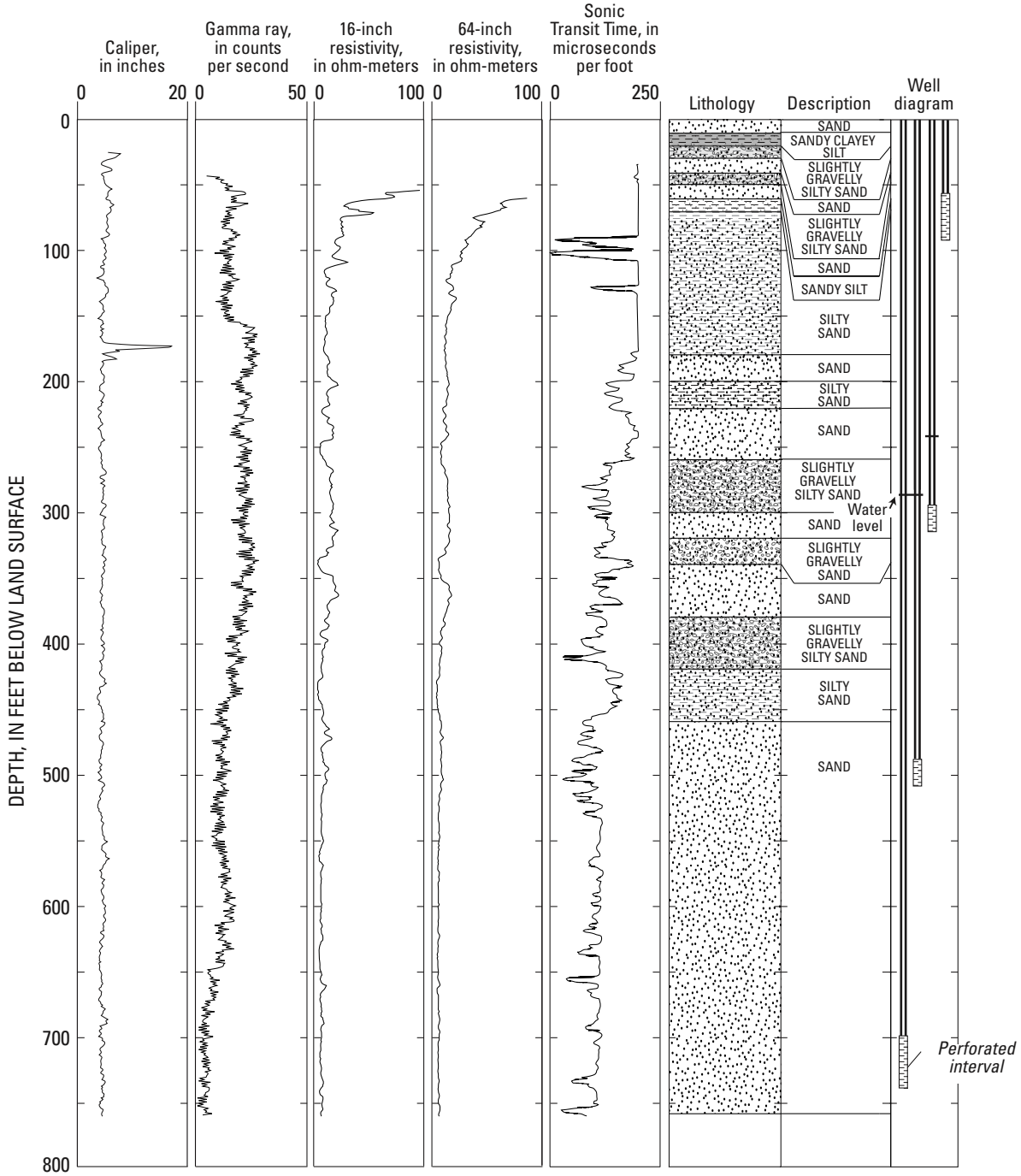
Table C14. Lithologic log for multiple-well monitoring site Older-2 (wells 7N/5W-23R1–4) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California

[Altitude of land surface, approximately 2,725 ft. Depth is in feet below land surface. Soil and rock color notation from Munsell Color (1994). Drilled by U.S. Geological Survey using mud rotary, March 1992. Total depth drilled 760 ft. Screened intervals: 700–740, 490–510, 295–315, and 57–92 ft]

Depth (ft)		Description
From	To	
0	10	Sand, medium to coarse, with some fine to very coarse; moderately sorted; subangular to subrounded; yellowish brown (10YR 5/4)
10	20	Sandy clay and silt, with some very fine to medium sand; poorly sorted; subangular to subrounded; light olive brown (2.5Y 5/3)
20	30	Sand, very fine to very coarse, with granules, silt, and occasional pebbles; poorly sorted; subangular to rounded; yellowish brown (10YR 5/4)
30	40	Sand, coarse, with some medium to very coarse; well-sorted; subangular to subrounded; yellowish brown (10YR 5/4)
40	50	Sand, fine to very coarse, with granules and silt, occasional pebbles; poorly sorted; subangular to subrounded; very pale brown (10YR 7/4)
50	60	Sand, very fine to very coarse; moderately sorted; subangular to subrounded; very pale brown (10YR 7/4)
60	70	Sandy clay and silt, with very fine to very coarse sand; poorly sorted; subangular to subrounded; dark grayish brown (10YR 4/2)
70	80	Silty sand, medium, with some fine to very coarse sand, occasional clay, and granules; moderately sorted; subangular to subrounded; yellowish red (5YR 5/6)
80	90	Silty sand, fine to medium, with some clay, occasional very fine to coarse sand; poorly sorted; subangular to subrounded; yellowish red (5YR 5/6)
90	100	Clayey sand, fine to very coarse; poorly sorted; subangular to subrounded; light yellowish brown (10YR 6/4)
100	120	Clayey sand, fine to very coarse; poorly sorted; subangular to subrounded; light yellowish brown (10YR 6/4)
120	140	Clayey sand, fine to medium sand, occasional coarse sand; poorly sorted; subangular to subrounded; yellowish brown (10YR 5/4)
140	160	Silty sand, fine to medium, some coarse to very coarse sand; poorly sorted; subangular to subrounded; yellowish brown (10YR 5/4)
160	180	Clayey sand, fine to medium, some coarse to very coarse sand, poorly sorted, subangular to subrounded, yellowish brown (10YR 5/4)
180	200	Sand, medium to coarse, some fine; occasional silt and very coarse sand; moderately sorted; angular to subrounded; yellowish brown (10YR 5/4)
200	220	Silty sand, medium, with some fine to very coarse sand, clay and silt; poorly sorted; angular to subrounded; light yellowish brown (10YR 6/4)
220	240	Sand, medium to coarse, some fine to very coarse; moderately sorted, subangular to rounded; light yellowish brown (10YR 6/4)
240	260	Sand, fine to medium, with occasional coarse; well-sorted; subangular to subrounded; light yellowish brown (10YR 6/4)
260	280	Slightly gravelly sand, fine to medium, with some coarse to very coarse sand, granules to medium pebbles, silt; moderately sorted; subangular to subrounded; light yellowish brown (10YR 6/4)
280	300	Sand, medium to coarse, with some fine sand and occasional granules to small pebbles, silt; moderately sorted; subangular to subrounded; light yellowish brown (10YR 6/4)
300	320	Sand, medium to coarse, with some fine to very coarse; moderately sorted; subangular to subrounded; light yellowish brown (10YR 6/4)

Table C14. Lithologic log for multiple-well monitoring site Older-2 (wells 7N/5W-23R1–4) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Depth (ft)		Description
From	To	
320	340	Slightly gravelly sand, medium to coarse, with some fine to very coarse sand and occasional granules to medium pebbles; poorly sorted; angular to subrounded; light yellowish brown (10YR 6/4)
340	360	Sand, medium to coarse, with some fine to very coarse; moderately sorted; subangular to subrounded; light yellowish brown (10YR 6/4)
360	380	Sand, medium to coarse, with some fine to very coarse; moderately sorted; subangular to subrounded; light yellowish brown (10YR 6/4)
380	400	Sand, medium, with some fine to very coarse sand and occasional granules to small pebbles; silt and clay; moderately sorted; angular to subrounded; light yellowish brown (10YR 6/4)
400	420	Slightly gravelly clayey sand, fine to very coarse sand and granules to medium pebbles; poorly sorted; angular to subrounded; light yellowish brown (10YR 6/4)
420	440	Silty sand, fine to medium, with some silt and clay, occasional coarse to very coarse sand; poorly sorted; subangular to subrounded; light yellowish brown (10YR 6/4)
440	460	Silty sand, medium to coarse, with some clay and silt, occasional fine to very coarse granules; poorly sorted; subangular to subrounded; light yellowish brown (10YR 6/4)
460	480	Sand, medium to coarse, with some fine to very coarse; moderately sorted; subangular to subrounded; light yellowish brown (10YR 6/4)
480	500	Sand, medium, with some fine to coarse; well-sorted; subangular to subrounded; light yellowish brown (10YR 6/4)
500	540	Sand, fine to medium, with some coarse; well-sorted; subangular to subrounded; light yellowish brown (10YR 6/4)
540	560	Sand, medium, with some fine to coarse; well-sorted; subangular to subrounded; light yellowish brown (10YR 6/4)
560	580	Sand, fine to medium, with some coarse to very coarse; moderately sorted; subangular to subrounded; light yellowish brown (10YR 6/4)
580	640	Sand, medium to coarse, with some fine to very coarse; moderately sorted; subangular to subrounded; light yellowish brown (10YR 6/4)
640	660	Sand, coarse, with some fine to very coarse; moderately sorted; subangular to subrounded; light yellowish brown (10YR 6/4)
660	700	Sand, medium to coarse, with some fine and very coarse; moderately sorted; subangular to subrounded; light yellowish brown (10YR 6/4)
700	720	Sand, medium, with some fine and coarse; well-sorted; subangular to subrounded; light yellowish brown (10YR 6/4)
720	760	Sand, medium to coarse, with some fine; well-sorted; subangular to subrounded; light yellowish brown (10YR 6/4)



Note: Some lithologic units may have been combined for presentation in this figure and the lithologic description may not correspond exactly to the description in the lithologic log shown in table.

Figure C14. Geophysical logs, lithology, and well diagram for multiple-well monitoring site Older-2 (wells 7N/5W-23R1–4) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California.

Table C15. Lithologic log for multiple-well monitoring site Older-1 (wells 7N/5W-24R5–8) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California

[Altitude of land surface, approximately 2,505 ft. Depth is in feet below land surface. Soil and rock color notation from Munsell Color (1994). Drilled by U.S. Geological Survey using mud rotary, February 1992. Total depth drilled 600 ft. Screened intervals: 510–550, 265–285, 130–150, and 45–50 ft]

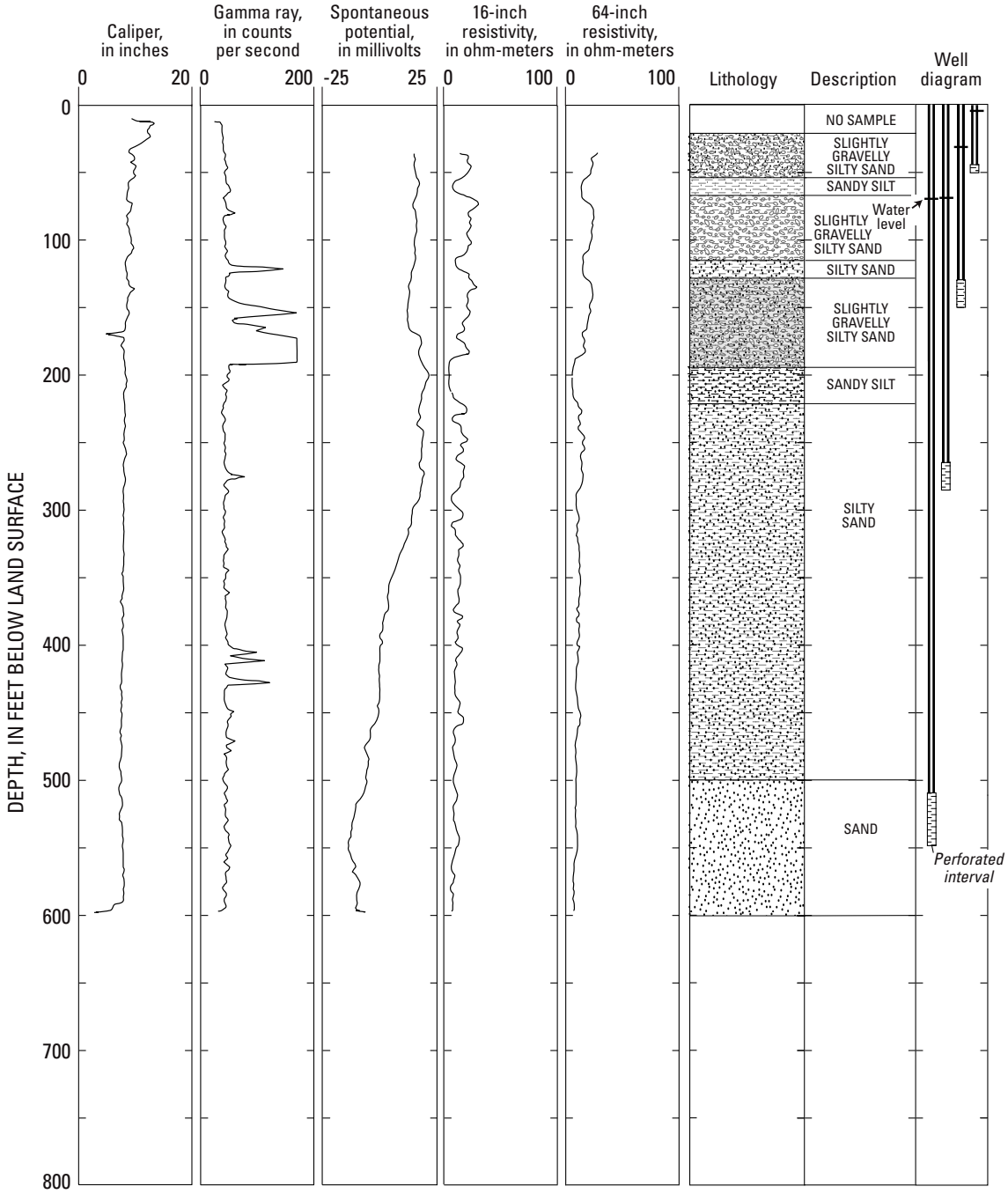
Depth (ft)		Description
From	To	
0	20	No sample
20	25	Sand, medium to coarse, some very coarse grains; poorly sorted; multi-colored; dusky yellow (5Y 6/4), light olive brown (5Y 5/6)
25	30	Clayey silt, medium sand with some coarse grains; dusky yellow (5Y 6/4)
30	35	Silty sand, fine to medium, with some coarse grains; dusky yellow (5Y 6/4)
35	40	Silty sand, fine, with clay, coarse sand; poorly sorted; subangular to rounded; quartz, biotite, rock fragments; light olive gray (5Y 5/2)
40	45	Gravelly sand, very coarse, with subrounded rock fragments, some medium sand; dusky yellow (5Y 6/4)
45	50	Silty sand, coarse, with some clay, medium pebbles; very poorly sorted; subangular to rounded; quartz, biotite; light olive gray (5Y 5/2)
50	55	Gravelly sand, very coarse, with multi-colored rock fragments; dusky yellow (5Y 6/4)
55	65	Sandy silt, fine to medium, with clay; moderately sorted; subangular to rounded; moderate yellowish brown (10YR 5/4)
65	70	Sandy silty clay, medium, with granules; very poorly sorted; subangular to subrounded; quartz, rock fragments; moderate yellowish brown (10YR 5/4)
70	75	Gravelly sand, very coarse, some clay and silt; poorly sorted; subangular to angular
75	80	Silty clayey sand, medium, clay with medium pebbles; very poorly sorted; subangular to subrounded; moderate yellowish brown (10YR 5/4)
80	85	Gravelly sand, medium coarse, occasional rock fragments and silt; poorly sorted
85	95	Silty clayey sand, medium to very coarse; poorly sorted; subangular to rounded; moderate yellowish brown (10YR 5/4)
95	100	Clayey sand, coarse, with some granules; very poorly sorted; subangular to rounded; moderate yellowish brown (10YR 5/4)
100	105	Sand, coarse, with rock fragments, some medium grains; angular to subangular; moderate yellowish brown (10YR 5/4)
105	110	Silty clayey sand, coarse, with granules; very poorly sorted; subangular to rounded; rock fragments; moderate yellowish brown (10YR 5/4)
110	117	Silty clayey sand, coarse, with medium pebbles; very poorly sorted; angular to rounded; quartz, rock fragments; moderate yellowish brown (10YR 5/4)
117	120	Silty clayey sand, medium, with occasional medium rock fragments; moderately sorted; subangular to subrounded; moderate yellowish brown (10YR 5/4)
120	130	Sand, coarse, clay with granules; very poorly sorted; subangular to rounded; moderate yellowish brown (10YR 5/4)
130	140	Sand, coarse to fine, with granules; moderately sorted; subangular to rounded; moderate yellowish brown (10YR 5/4)
140	150	Sand, coarse to fine, silt with small pebbles; poorly sorted; subangular to rounded; moderate yellowish brown (10YR 5/4)
150	160	Silty clayey sand, coarse, with small pebbles; very poorly sorted; subangular to subrounded; moderate yellowish brown (10YR 5/4)
160	170	Sand, medium to fine, with some medium pebbles; very poorly sorted; subangular to subrounded; moderate yellowish brown (10YR 5/4)

Table C15. Lithologic log for multiple-well monitoring site Older-1 (well 7N/5W-24R5–8) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Depth (ft)		Description
From	To	
170	180	Sandy clay, medium, with medium pebbles; very poorly sorted; subangular to subrounded; moderate yellowish brown (10YR 5/4)
180	190	Silty clayey sand, medium, some medium pebbles; very poorly sorted; subangular to subrounded; moderate yellowish brown (10YR 5/4)
190	200	Sandy clayey silt, fine to medium; poorly sorted; subangular to subrounded; moderate yellowish brown (10YR 5/4)
200	210	Silty clayey sand, fine to medium; poorly sorted; angular to subrounded; pale yellowish brown (10YR 6/2)
210	220	Silty clayey sand, medium; poorly sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
220	230	Silty clayey sand, medium to coarse; poorly sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
230	240	Silty clayey sand, medium, some granules; very poorly sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
240	250	Silty clayey sand, coarse to very coarse; poorly sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
250	260	Silty clayey sand, coarse to very coarse; poorly sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
260	270	Silty clayey sand, medium to coarse; poorly sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
270	280	Silty clayey sand, coarse to very coarse; poorly sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
280	290	Silty clayey sand, very coarse, with some medium pebbles; very poorly sorted; angular to subrounded; rock fragments; pale yellowish brown (10YR 6/2)
290	300	Silty clayey sand, medium; poorly sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
300	310	Silty clayey sand, medium to very coarse; poorly sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
310	320	Silty clayey sand, medium to very coarse; poorly sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
320	330	Silty clayey sand, medium to very coarse; poorly sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
330	340	Silty clayey sand, coarse to very coarse; poorly sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
340	350	Silty clayey sand, medium to very coarse; poorly sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
350	360	Silty clayey sand, coarse to very coarse; poorly sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
360	370	Silty clayey sand, coarse to very coarse; poorly sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
370	380	Silty clayey sand, coarse to very coarse; poorly sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
380	390	Silty clayey sand, medium to coarse; poorly sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
390	400	Silty clayey sand, medium to very coarse; poorly sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)

Table C15. Lithologic log for multiple-well monitoring site Older-1 (well 7N/5W-24R5–8) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Depth (ft)		Description
From	To	
400	410	Silty clayey sand, medium, with small pebbles; very poorly sorted; subangular to subrounded; rock fragments; pale yellowish brown (10YR 6/2)
410	420	Silty clayey sand, coarse to very coarse; poorly sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
420	430	Silty clayey sand, medium to coarse; poorly sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
430	440	Silty clayey sand, coarse, with granules; very poorly sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
440	450	Silty clayey sand, coarse to very coarse; poorly sorted; subangular to subrounded; rock fragments; pale yellowish brown (10YR 6/2)
450	460	Silty clayey sand, coarse to very coarse; poorly sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
460	470	Silty clayey sand, coarse, small pebbles; very poorly sorted; subangular to subrounded; rock fragments; pale yellowish brown (10YR 6/2)
470	480	Silty clayey sand, coarse to very coarse; poorly sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
480	490	Silty clayey sand, coarse to very coarse; poorly sorted; subangular to subrounded; rock fragments; pale yellowish brown (10YR 6/2)
490	500	Silty clayey sand, coarse, with small pebbles; angular to subrounded; rock fragments; pale yellowish brown (10YR 6/2)
500	510	Sand, coarse to fine, some very coarse; moderately sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
510	520	Sand, coarse to fine, some very coarse; moderately sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
520	530	Sand, coarse to fine, some small pebbles; poorly sorted; angular to subrounded; rock fragments; pale yellowish brown (10YR 6/2)
530	540	Sand, medium to coarse, with fines; well-sorted; subangular to rounded; pale yellowish brown (10YR 6/2)
540	550	Sand, medium to fine, some coarse; well-sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
550	560	Sand, medium to fine, some very coarse; moderately sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
560	570	Sand, medium to fine, with granules; moderately sorted; subangular to subrounded; pale yellowish brown (10YR 6/2)
570	580	Sand, medium to fine, some coarse; well-sorted; subangular to rounded; pale yellowish brown (10YR 6/2)
580	590	Sand, medium to fine, some very coarse; moderately sorted; subangular to rounded; pale yellowish brown (10YR 6/2)
590	600	Sand, medium to fine, some coarse; well-sorted; subangular to rounded; pale yellowish brown (10YR 6/2)



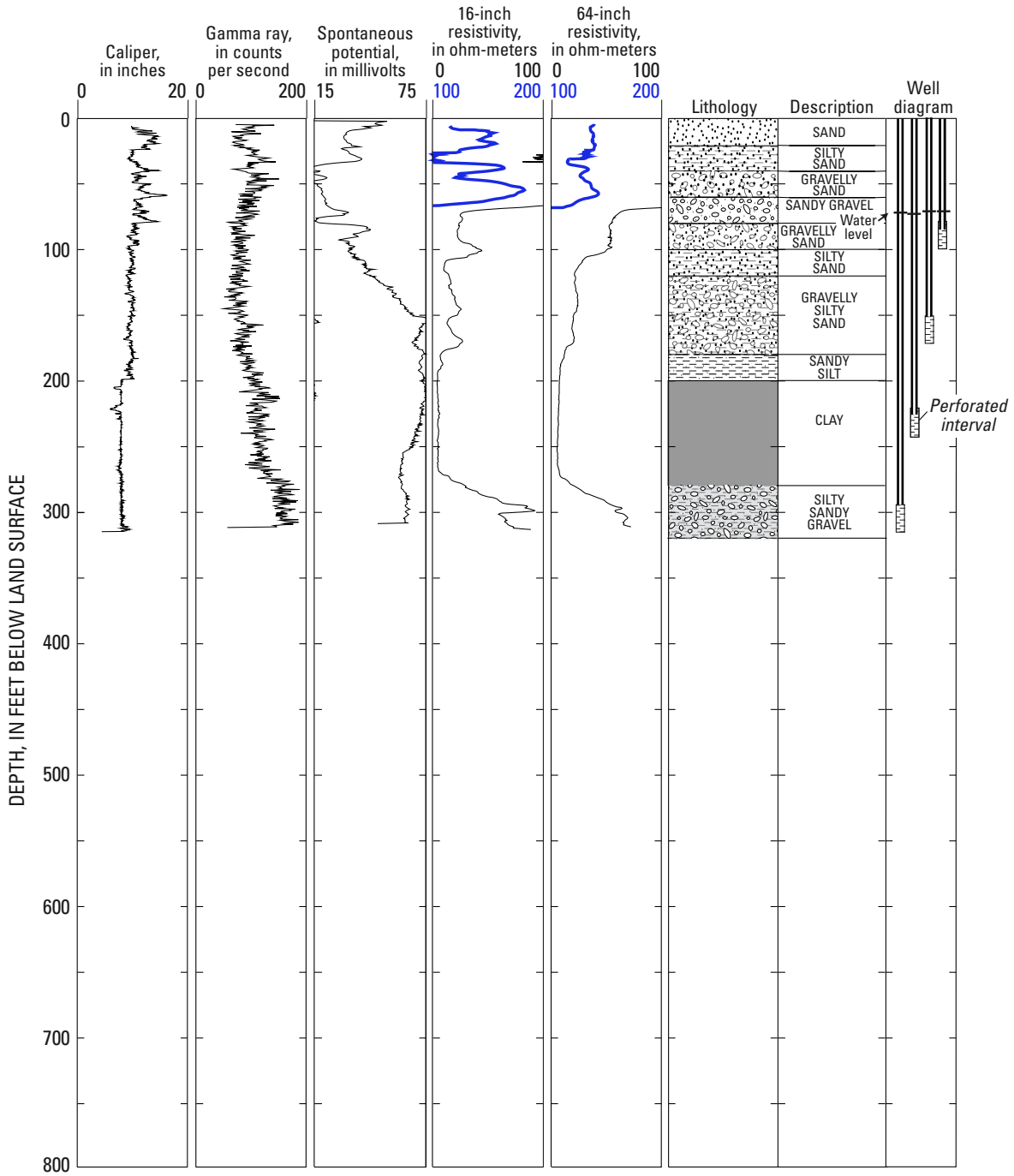
Note: Some lithologic units may have been combined for presentation in this figure and the lithologic description may not correspond exactly to the description in the lithologic log shown in table.

Figure C15. Geophysical logs, lithology, and well diagram for multiple-well monitoring site Older-1 (wells 7N/5W-24R5–8) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California.

Table C16. Lithologic log for multiple-well monitoring site Helendale 4 (wells 8N/4W-19G1–4) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California

[Altitude of land surface, approximately 2,458 ft. Depth is in feet below land surface. Soil and rock color notation from Munsell Color (1994). Drilled by U.S. Geological Survey using mud rotary, December 1994. Total depth drilled 320 ft. Screened intervals: 295–315, 220–240, 150–170, and 80–100 ft]

Depth (ft)		Description
From	To	
0	20	Sand, very fine to very coarse; poorly sorted; angular biotite to rounded quartz; grayish orange (10YR 7/4)
20	40	Silty sand, very fine to very coarse, some clay; poorly sorted; angular to rounded; moderate yellowish brown (10YR 5/4)
40	60	Sand, very fine to very coarse, some granules; poorly sorted; angular to rounded; pale yellowish brown (10YR 6/2)
60	80	Sandy gravel, very fine to very coarse sand; poorly sorted; angular to rounded; light olive brown (5Y 5/6)
80	100	Sand, very fine to coarse, some granules; angular to rounded; poorly sorted; light olive gray (5Y 5/2)
100	120	Sandy silt, very fine to very coarse, skewed toward fine, minor clay; poorly sorted; angular muscovite to rounded quartz; light olive gray (5Y 5/2)
120	140	Silty sand, very fine to very coarse, some granules; poorly sorted; angular to rounded; light olive gray (5Y 5/2)
140	160	Silty sand, very fine to very coarse, skewed toward coarse, some granules; angular to rounded; light olive brown (5Y 5/6)
160	180	Silty sand, very fine to very coarse, skewed toward coarse, minor granules; angular to rounded; poorly sorted; light olive brown (5Y 5/6)
180	200	Sandy silt, very fine to very coarse, skewed toward fine, minor granules; poorly sorted; angular to subrounded; moderate yellowish brown (10YR 5/4)
200	220	Clay, sticky; very plastic; some silt; moderate reddish brown (10R 4/6)
220	260	Clay, minor silt; sticky; very plastic; moderate reddish brown (10R 4/6)
260	280	Clay; sticky; very plastic; dark yellowish brown (10YR 4/2)
280	300	Sandy gravel, very fine to very coarse sand; some silt, even distribution; poorly sorted; angular to rounded; dark yellowish brown (10YR 4/2)
300	320	Sandy gravel, some silt, very fine to very coarse, skewed toward coarse; poorly sorted; angular to rounded; dark yellowish brown (10YR 4/2)



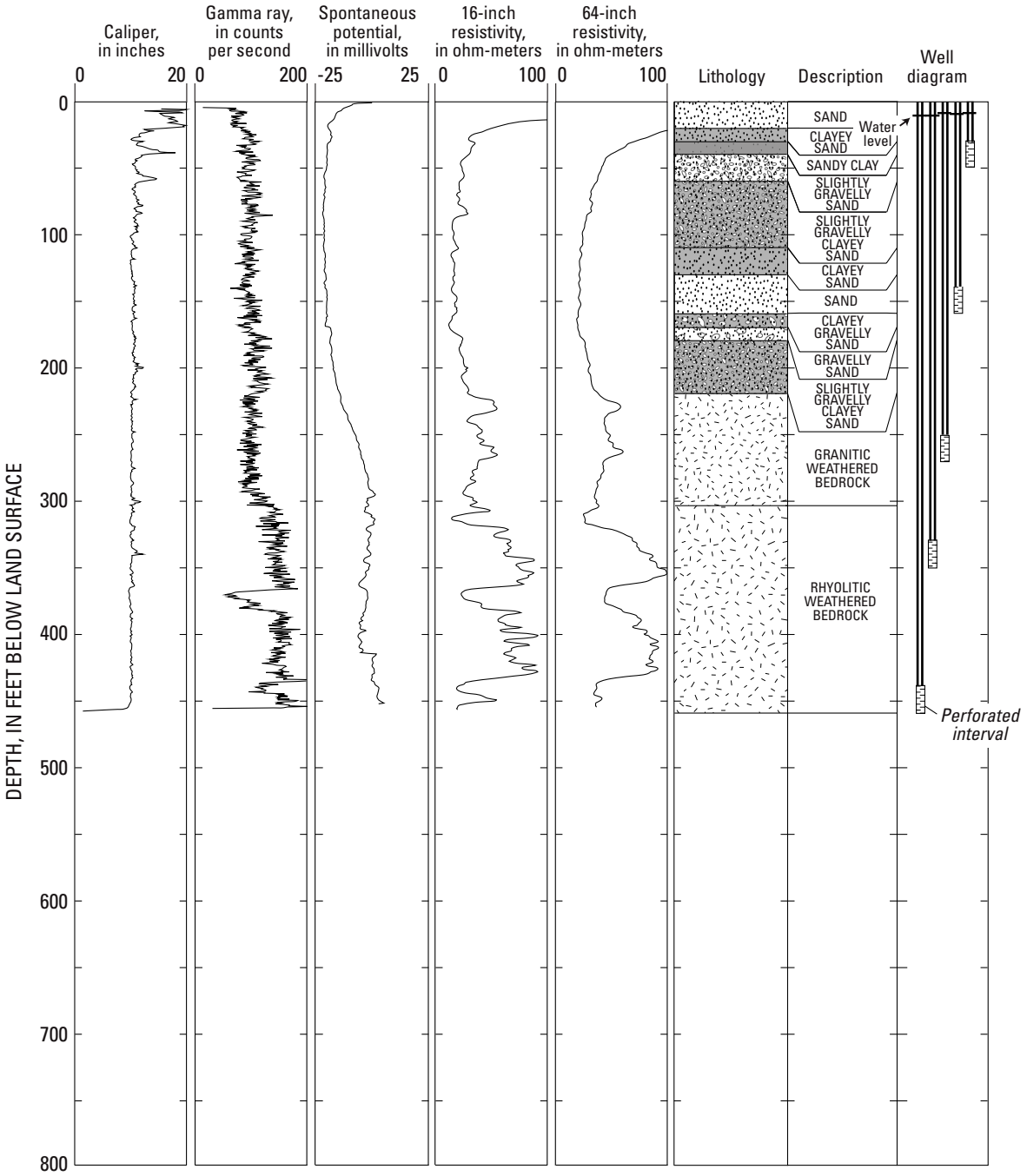
Note: Some lithologic units may have been combined for presentation in this figure and the lithologic description may not correspond exactly to the description in the lithologic log shown in table.

Figure C16. Geophysical logs, lithology, and well diagram for multiple-well monitoring Helendale 4 (wells 8N/4W-19G1–4) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California.

Table C17. Lithologic log for multiple-well monitoring site Helendale 2 (wells 8N/4W-20Q7–11) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California)

[Altitude of land surface, approximately 2,397 ft. Depth is in feet below land surface. Soil and rock color notation from Munsell Color (1994). Drilled by U.S. Geological Survey using mud rotary, October 1993. Total depth drilled 460 ft. Screened intervals: 440–460, 330–350, 250–270, 140–160, and 30–50 ft]

Depth (ft)		Description
From	To	
0	10	Sand, coarse to very coarse, minor medium sand; moderately well sorted; subangular subrounded; light brown (7.5YR 6/4)
10	20	Sand, coarse to very coarse, minor medium sand, granules; moderately sorted; subangular to subrounded; light brown (7.5YR 6/4)
20	30	Clayey sand, coarse to very coarse, minor medium sand; poorly sorted; subangular to rounded; light brown (7.5YR 6/4)
30	40	Sandy clay, clay with fine to coarse sand, granules to small pebbles; poorly sorted; angular to subrounded; brown (7.5YR 5/4)
40	50	Sand, fine to medium, minor coarse to very coarse sand, occasional granules to small pebbles; moderately sorted; subangular to subrounded; brown (10YR 4/3)
50	60	Sand, fine to medium, minor coarse to very coarse sand and granules to medium pebbles; moderately sorted; subangular to subrounded; brown (7.5YR 5/4)
60	70	Clayey sand, medium to coarse, minor very coarse sand and granules to small pebbles; poorly sorted; subangular to subrounded; brown (7.5YR 4/3)
70	80	Clayey sand, fine to medium, minor coarse to very coarse sand, granules to small pebbles; poorly sorted; subangular to subrounded; brown (7.5YR 5/3)
80	90	Clayey sand, medium to coarse, minor granules to small pebbles; poorly sorted; subangular to subrounded; brown (7.5YR 5/3)
90	100	Clayey sand, fine to medium, minor coarse to very coarse sand and granules to small pebbles; poorly sorted; subangular to subrounded; brown (7.5YR 5/3)
100	110	Clayey sand, fine to coarse, minor very coarse sand and granules to small pebbles, occasional medium to large pebble; poorly sorted; subangular to subrounded; brown (7.5YR 5/3)
110	120	Clayey sand, fine to medium, minor coarse sand; poorly sorted; subangular to subrounded; brown (7.5YR 5/3)
120	130	Clayey sand, fine to medium, minor coarse sand; poorly sorted; subangular to subrounded; brown (7.5YR 4/3)
130	140	Sand, fine to medium, minor coarse; moderately sorted; subangular to subrounded; yellowish brown (10YR 5/4)
140	150	Sand, fine to coarse, minor very coarse sand and granules to small pebbles; poorly sorted; subangular to subrounded; yellowish brown (10YR 5/4)
150	160	Sand, fine to medium, occasional very coarse sand and granules; moderately sorted; subangular to subrounded; yellowish brown (10YR 5/4)
160	170	Gravelly sand, fine to medium, minor coarse to very coarse sand and granules to small pebbles, clay; poorly sorted; subangular to subrounded; yellowish brown (10YR 5/4)
170	180	Sand, fine to medium, minor coarse to very coarse sand, granules to small pebbles; poorly sorted; subangular to subrounded; yellowish brown (10YR 5/4)
180	190	Clayey sand, fine, minor very fine to medium sand, occasional granules; moderately sorted; subangular to subrounded; dark yellowish brown (10YR 4/4)
190	200	Clayey sand, fine to medium, minor coarse sand, occasional granules to small pebbles; poorly sorted; subangular to subrounded; dark yellowish brown (10YR 4/4)
200	220	Clayey sand, fine to medium, minor very fine sand and granules to small pebbles; poorly sorted; subangular to subrounded; dark yellowish brown (10YR 4/4)
220	290	Granitic breccia, biotite granodiorite to tonalite, silty sand matrix; pale brown (10YR 6/3) to olive (5Y 5/3)
290	310	Granitic/volcanic breccia, granodiorite/tonalite to metarhyolite
310	460	Rhyolite, grayish brown (10YR 5/2) to yellowish brown (10YR 5/4)



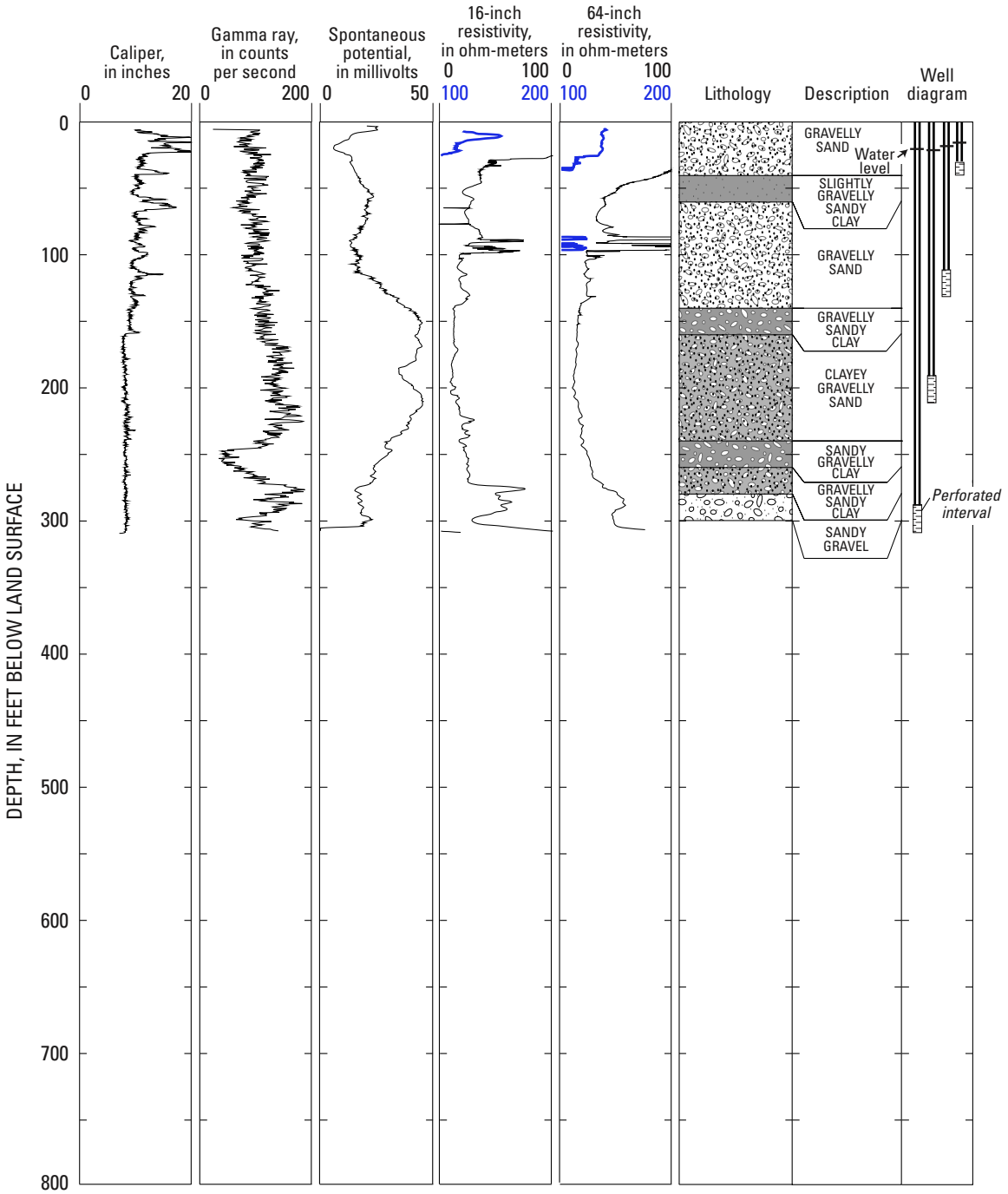
Note: Some lithologic units may have been combined for presentation in this figure and the lithologic description may not correspond exactly to the description in the lithologic log shown in table.

Figure C17. Geophysical logs, lithology, and well diagram for multiple-well monitoring site Helendale 2 (wells 8N/4W-20Q7–11) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California.

Table C18. Lithologic log for multiple-well monitoring site Helendale 3 (wells 8N/4W-29E3–6) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California

[Altitude of land surface, approximately 2,409 ft. Depth is in feet below land surface. Soil and rock color notation from Munsell Color (1994). Drilled by U.S. Geological Survey using mud rotary, December 1994. Total depth drilled 309 ft. Screened intervals: 289–309, 190–210, 110–130, and 30–40 ft]

Depth (ft)		Description
From	To	
0	20	Gravelly sand, medium to coarse, minor very coarse sand and granules to small pebbles; poorly sorted; subangular to subrounded; yellowish brown (10YR 5/4)
20	40	Gravelly sand, medium to coarse, minor fine to very coarse sand and granules to small pebbles, clay; poorly sorted; angular to subrounded; dark grayish brown (10YR 4/2)
40	60	Sandy clay, fine to medium sand with occasional coarse sand, and granules to small pebbles, clay; poorly sorted; subangular to subrounded; dark grayish brown (10YR 4/2)
60	80	Gravelly sand, medium, with minor fine to coarse sand, granules to large pebbles; moderately sorted; angular to subrounded; yellowish brown (10YR 5/4)
80	100	Gravelly sand, coarse to very coarse, minor medium sand, granules to medium pebbles; poorly sorted; subangular to subrounded; yellowish brown (10YR 5/4)
100	120	Gravelly sand, medium to coarse, minor fine and very coarse sand, granules to medium pebbles; moderately sorted; angular to subrounded; yellowish brown (10YR 5/4)
120	140	Gravelly sand, medium to coarse, minor fine and very coarse sand, granules to large pebbles; poorly sorted; angular to subrounded; yellowish brown (10YR 5/4)
140	160	Gravelly sandy clay, fine to medium, minor coarse sand, granules to small pebbles; poorly sorted; subangular to rounded; grayish brown (10YR 5/2)
160	180	Gravelly sand, medium to coarse, granules to small pebbles, minor clay; poorly sorted; subangular to subrounded; grayish brown (10YR 5/2)
180	200	Clayey gravelly sand, fine to medium, minor coarse sand, granules to medium pebbles, clay; poorly sorted; angular to subrounded; light brownish gray (10YR 6/2)
200	220	Clayey gravelly sand, medium to coarse, minor fine and very coarse sand, granules to large pebbles, clay; poorly sorted; angular to subrounded; light brownish gray (10YR 6/2)
220	240	Gravelly sand, medium to coarse, minor fine and very coarse sand, granules to small pebbles, clay; poorly sorted; angular to subrounded; light brownish gray (10YR 6/2)
240	260	Gravelly clay, granules to medium pebbles, minor fine to coarse sand; poorly sorted; angular to subrounded; olive (5Y 4/3)
260	280	Gravelly clayey sand, medium to coarse, minor fine and very coarse sand, clay, and granules to medium pebbles; poorly sorted; angular to subrounded; yellowish brown (10YR 5/4)
280	309	Sandy gravel, granules to small pebbles, coarse to very coarse sand; moderately sorted; angular to subrounded; yellowish brown (10YR 5/4)



Note: Some lithologic units may have been combined for presentation in this figure and the lithologic description may not correspond exactly to the description in the lithologic log shown in table.

Figure C18. Geophysical logs, lithology, and well diagram for multiple-well monitoring site Helendale 3 (wells 8N/4W-29E3–6) in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California.

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California

[Measurement method (column M): R, reported; S, steel tape; V, calibrated electric tape. Site status (column S): D, dry; S, nearby pumping; W, well destroyed]

State well number 006N004W18N002S
Site identification number 343604117204501
Common name A1-1
West of Oro Grande on Mojave River flood plain. Drilled observation well. Diameter 2 inches, depth 15 feet, perforated 10.2–14.8 feet. Altitude of land-surface datum 2,603.56 feet. Water-level records available since 1997.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 22, 1997	5.00	S	Feb 04, 1997	2.52	V	Jul 28, 1997	8.75	V	Mar 11, 1998	2.72	V
Jan 29	2.96	V	May 07	4.30	S	Nov 19	10.71	V	Jun 03	3.56	V

HIGHEST	2.52	Feb 04, 1997
LOWEST	10.71	Nov 19, 1997

State well number 006N004W18N003S
Site identification number 343604117204502
Common name A1-2
West of Oro Grande on Mojave River flood plain. Drilled observation well. Diameter 2 inches, depth 11 feet, perforated 10–11 feet. Altitude of land-surface datum 2,603.65 feet.Water-level records available since 1997.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 22, 1997	5.10	S	Feb 04, 1997	2.61	V	Jul 28, 1997	8.86	V	Mar 11, 1998	2.84	V
Jan 29	3.05	V	May 07	4.38	S	Nov 19	10.68	V	Jun 03	3.66	V

HIGHEST	2.61	Feb 04, 1997
LOWEST	10.68	Nov 19, 1997

State well number 006N004W30J005S
Site identification number 343435117195501
Common name LOWER NARROWS
About 3 miles northwest of Victorville on Mojave River flood plain. Diameter 2 inches, depth 24.5 feet, perforated 14.5–24.5 feet. Altitude of land-surface datum 2,620 feet. Water-level records available since 1996.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 16, 1996	8.45	S	Jan 15, 1997	8.47	S	Aug 20, 1997		VD	Apr 21, 1998	7.66	V
Feb 14	8.24	S	Feb 07	8.31	V	Sep 09		VD	May 05	7.79	V
Mar 19	8.45	S	Feb 12	8.20	S	Sep 25		VD	Jun 03	7.92	V
Apr 15	8.59	S	Mar 13	8.46	S	Oct 07		VD	Jun 11	7.98	V
May 08	8.77	S	Apr 01	8.69	S	Oct 21		VD	Jun 23	7.97	V
Jun 13	11.14	S	Apr 29	8.75	S	Nov 04		VD	Jul 08	8.21	V
Jul 17	18.17	S	May 14	8.51	S	Nov 17		VD	Jul 23	10.10	V
Aug 21	23.19	S	May 29	9.64	S	Dec 09	12.35	V	Aug 07	13.31	V
Sep 17		SD	Jun 10	11.93	S	Jan 07, 1998	8.90	V	Aug 18	14.56	V
Oct 17		SD	Jun 24	14.31	S	Feb 05	8.49	V	Sep 01	15.02	V
Nov 15	23.58	V	Jul 09	17.86	S	Mar 10	7.79	V	Sep 16	11.05	V
Dec 17	10.75	S	Jul 29	22.59	S	Mar 24	7.77	V	Sep 30	10.10	V

HIGHEST	7.66	Apr 21, 1998
LOWEST	23.58	Nov 15, 1996

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 006N005W01B004S
Site identification number 343842117210501
Common name C1-1
About 8 miles north of Victorville on Mojave River flood plain. Drilled observation well. Diameter 2 inches, depth measured 14.17 feet in 1997, perforated 11.4–15 feet. Altitude of land-surface datum 2,543.61 feet. Water-level records available since 1997.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 22, 1997	8.10	S	Feb 06, 1997	8.11	V	Jul 28, 1997	8.98	V	Mar 11, 1998	7.01	V
Jan 30	8.01	V	May 07	9.02	S	Nov 19	8.30	V	Jun 04	7.02	V

HIGHEST	7.01	Mar 11, 1998
LOWEST	9.02	May 07, 1997

State well number 006N005W01B005S
Site identification number 343842117210502
Common name C1-2
About 8 miles north of Victorville on Mojave River flood plain. Drilled observation well. Diameter 2 inches, depth measured 9.26 feet in 1997, perforated 8–9 feet. Altitude of land-surface datum 2,543.66 feet. Water-level records available since 1997.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 22, 1997	8.23	S	Feb 06, 1997	8.16	V	Jul 28, 1997	9.00	V	Mar 11, 1998	7.07	V
Jan 30	8.07	V	May 07	8.78	S	Nov 19	8.32	V	Jun 04	7.06	V

HIGHEST	7.06	Jun 04, 1998
LOWEST	9.00	Jul 28, 1997

State well number 006N005W01B006S
Site identification number 343842117211101
Common name C2-1
About 8 miles north of Victorville on Mojave River flood plain. Drilled observation well. Diameter 2 inches, depth measured 13.97 feet in 1997, perforated 9.4–15 feet. Altitude of land-surface datum 2,543.03 feet. Water-level records available since 1997.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 22, 1997	7.06	S	Feb 06, 1997	7.16	V	Jul 28, 1997	7.80	V	Mar 11, 1998	6.25	V
Jan 30	6.94	V	May 07	7.82	S	Nov 19	7.10	V	Jun 04	6.07	V

HIGHEST	6.07	Jun 04, 1998
LOWEST	7.82	May 07, 1997

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 006N005W01B007S
Site identification number 343842117211102
Common name C2-2
About 8 miles north of Victorville on Mojave River flood plain. Drilled observation well. Diameter 2 inches, depth measured 8.8 feet in 1997, perforated 7–8 feet. Altitude of land-surface datum 2,542.94 feet. Water-level records available since 1997.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 22, 1997	7.00	S	Feb 06, 1997	6.87	V	Jul 28, 1997	7.71	V	Mar 11, 1998	6.18	V
Jan 30	6.87	V	May 07	7.58	S	Nov 19	6.99	V	Jun 04	5.98	V

HIGHEST	5.98	Jun 04, 1998
LOWEST	7.71	Jul 28, 1997

State well number 006N005W01B008S
Site identification number 343842117211801
Common name C3-1
About 8 miles north of Victorville on Mojave River flood plain. Drilled observation well. Diameter 2 inches, depth measured 13.88 feet in 1997, perforated 10–14 feet. Altitude of land-surface datum 2,544.19 feet. Water-level records available since 1997.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 22, 1997	7.86	S	Feb 07, 1997	8.22	V	Jul 28, 1997	8.18	V	Mar 11, 1998	8.03	V
Jan 30	8.06	V	May 07	8.10	S	Nov 19	7.47	V	Jun 04	7.29	V

HIGHEST	7.29	Jun 04, 1998
LOWEST	8.22	Feb 07, 1997

State well number 006N005W01B009S
Site identification number 343842117211802
Common name C3-2
About 8 miles north of Victorville on Mojave River flood plain. Drilled observation well. Diameter 2 inches, depth 9.9 feet, perforated 9–10 feet. Altitude of land-surface datum 2,544.19 feet. Water-level records available since 1997.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 22, 1997	7.87	S	Feb 07, 1997	8.22	V	Jul 28, 1997	8.15	V	Mar 11, 1998	8.02	V
Jan 30	8.06	V	May 07	8.19	S	Nov 19	7.46	V	Jun 04	7.29	V

HIGHEST	7.29	Jun 04, 1998
LOWEST	8.22	Feb 07, 1997

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 006N005W01C001S
Site identification number 343840117212701
Common name C4-1
About 8 miles north of Victorville on Mojave River flood plain. Drilled observation well. Diameter 2 inches, depth measured 14 feet in 1997, perforated 10–15 feet. Altitude of land-surface datum 2,543.96 feet. Water-level records available since 1997.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 22, 1997	7.35	S	Feb 04, 1997	7.46	V	Jul 28, 1997	7.83	V	Mar 11, 1998	7.24	V
Jan 31	6.86	V	May 07	7.48	S	Nov 19	7.14	V	Jun 03	6.51	V

HIGHEST	6.51	Jun 03, 1998
LOWEST	7.83	Jul 28, 1997

State well number 006N005W01C002S
Site identification number 343840117212702
Common name C4-2
About 8 miles north of Victorville on Mojave River flood plain. Drilled observation well. Diameter 2 inches, depth measured 9.55 feet in 1997, perforated 9–10 feet. Altitude of land-surface datum 2,544.02 feet. Water-level records available since 1997.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 22, 1997	7.34	S	Feb 04, 1997	7.46	V	Jul 28, 1997	7.85	V	Mar 11, 1998	7.21	V
Jan 31	6.76	V	May 07	7.47	S	Nov 19	7.15	V	Jun 03	6.53	V

HIGHEST	6.53	Jun 03, 1998
LOWEST	7.85	Jul 28, 1997

State well number 006N005W01K001S
Site identification number 343815117211101
Common name EPA IV-B
North of Victorville in Mojave River channel. Drilled observation well. Diameter 2 inches, depth measured 21.5 feet in 1996, perforated 15–25 feet. Altitude of land-surface datum 2,551.5 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1996.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 24, 1996	7.43	V	Nov 13, 1996	7.66	R	May 14, 1997	8.76	R	Jan 16, 1998	8.22	R
Feb 21	7.62	V	Dec 16	7.88	R	May 28	8.92	V	Feb 17	7.70	R
May 13	8.34	V	Jan 16, 1997	7.87	R	Jun 12	8.59	R	Mar 12	6.12	R
May 14	8.34	R	Feb 05	7.85	V	Jul 14	8.90	R	Apr 15	6.12	R
Jun 18	8.16	R	Feb 07	7.85	S	Aug 12	8.62	R	May 11	5.93	R
Jul 15	8.44	V	Feb 14	7.89	R	Sep 12	8.37	R	Jun 16	6.47	R
Aug 01	8.72	V	Mar 13	8.00	R	Oct 13	8.08	R	Jul 15	6.83	R
Aug 19	8.58	R	Apr 02	8.38	V	Nov 12	8.00	R	Aug 17	7.10	R
Sep 16	8.45	R	Apr 15	8.51	R	Dec 19	8.03	R	Sep 15	7.17	R
Oct 16	7.96	R									

HIGHEST	5.93	May 11, 1998
LOWEST	8.92	May 28, 1997

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 006N005W01L001S
Site identification number 343815117211901
Common name EPA IV-A1
North of Victorville in Mojave River channel. Drilled observation well. Diameter 2 inches, depth measured 94.5 feet in 1996, perforated 93–103 feet. Altitude of land-surface datum 2,552.56 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1996.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Feb 22, 1996	7.34	V	Oct 09, 1996	11.71	R	May 14, 1997	12.00	R	Jan 16, 1998	11.64	R
Feb 28	11.23	V	Oct 16	11.61	R	May 28	11.97	V	Feb 17	11.26	R
May 13	11.75	V	Nov 13	11.40	R	Jun 12	11.89	R	Mar 12	10.70	R
May 14	11.80	R	Dec 16	11.37	R	Jul 14	12.03	R	Apr 15	10.03	R
Jun 18	11.77	R	Jan 16, 1997	11.37	R	Aug 12	11.93	R	May 11	9.84	R
Jul 15	11.93	R	Feb 07	11.48	V	Sep 12	11.70	R	Jun 16	10.58	R
Jul 31	12.01	V	Feb 14	11.55	R	Oct 13	11.47	R	Jul 15	10.87	R
Aug 19	12.13	R	Mar 13	11.58	R	Nov 12	11.47	R	Aug 17	11.07	R
Aug 22	11.97	V	Apr 02	11.75	V	Dec 19	11.56	R	Sep 15	11.08	R
Sep 16	11.86	R	Apr 15	11.80	R						

HIGHEST	7.34	Feb 22, 1996
LOWEST	12.13	Aug 19, 1996

State well number 006N005W01L002S
Site identification number 343815117211902
Common name EPA IV-A2
North of Victorville in Mojave River channel. Drilled observation well. Diameter 2 inches, depth measured 25.7 feet in 1996, perforated 15–25 feet. Altitude of land-surface datum 2,552.84 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1996.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Feb 22, 1996	10.86	V	Oct 16, 1996	8.86	R	May 14, 1997	10.25	R	Jan 16, 1998	10.31	R
May 13	9.31	V	Nov 13	8.80	R	May 28	10.30	V	Feb 17	9.22	R
May 14	9.32	R	Dec 16	9.56	R	Jun 12	10.27	R	Mar 12	8.70	R
Jun 18	9.34	R	Jan 16, 1997	9.64	R	Jul 14	10.37	R	Apr 15	7.19	R
Jul 15	9.36	R	Feb 06	9.36	S	Aug 12	10.21	R	May 11	7.21	R
Jul 31	9.47	V	Feb 07	9.36	V	Sep 12	9.95	R	Jun 16	8.05	R
Aug 19	9.26	R	Feb 14	9.80	R	Oct 13	9.78	R	Jul 15	8.23	R
Aug 22	9.28	V	Mar 13	9.92	R	Nov 12	10.01	R	Aug 17	8.27	R
Sep 16	9.15	R	Apr 02	10.07	V	Dec 19	10.09	R	Sep 15	8.27	R
Oct 09	8.90	R	Apr 15	10.11	R						

HIGHEST	7.19	Apr 15, 1998
LOWEST	10.86	Feb 22, 1996

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 006N005W12F001S
Site identification number 343726117213001
Common name EPA VI
North of Victor Valley Water Reclamation plant. Drilled observation well. Diameter 2 inches, depth measured 77 feet in 1996, perforated 68–78 feet. Altitude of land-surface datum 2,648.1 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1996.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 24, 1996	72.83	V	Sep 16, 1996	71.16	R	Apr 15, 1997	73.60	R	Oct 13, 1997	72.78	R
Feb 28	72.36	V	Oct 16	71.93	R	May 14	73.77	R	Nov 12	73.41	R
Mar 13	72.20	V	Nov 13	72.80	R	May 28	72.84	V	Dec 19	72.56	R
May 14	73.13	R	Dec 16	73.17	R	Jun 12	72.61	R	Jan 16, 1998	72.56	R
Jun 18	72.65	R	Jan 16, 1997	73.14	R	Jul 14	72.05	R	Feb 17	71.95	R
Jul 15	71.73	R	Feb 14	72.93	R	Aug 12	71.54	R	Aug 17	72.92	R
Jul 31	71.51	V	Mar 13	73.05	R	Sep 12	71.60	R	Sep 15	73.27	R
Aug 22	71.27	R									

HIGHEST	71.16	Sep 16, 1996
LOWEST	73.77	May 14, 1997

State well number 006N005W12G002S
Site identification number 343733117210801
Common name EPA II-1
North of Victorville on east edge of Mojave River. Drilled observation well. Diameter 2 inches, depth drilled 103 feet, depth measured 22 feet in 1996, perforated 93–103 feet. Altitude of land-surface datum 2,570.5 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1996.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 24, 1996	4.82	V	Aug 19, 1996	12.04	V	May 27, 1997	14.22	V	Feb 17, 1998	12.12	R
Feb 16	12.16	V	Nov 13	12.05	R	Jun 12	12.42	R	Mar 12	10.98	R
Feb 27	11.30	V	Dec 16	9.08	R	Jul 14	12.30	R	Apr 15	9.62	R
Mar 14	11.95	V	Jan 16, 1997	12.06	R	Aug 12	12.08	R	May 11	9.52	R
Mar 26	10.59	V	Feb 05	12.04	V	Sep 12	11.98	R	Jun 16	10.27	R
May 14	11.78	V	Feb 14	12.03	R	Oct 13	11.88	R	Jul 15	10.44	R
Jun 18	11.93	R	Mar 13	12.17	R	Nov 12	12.07	R	Aug 17	10.56	R
Jul 15	11.95	V	Apr 15	12.34	R	Dec 19	12.47	R	Sep 15	10.65	R
Jul 24	12.00	V	May 14	12.45	R	Jan 16, 1998	12.51	R			

HIGHEST	4.82	Jan 24, 1996
LOWEST	12.51	Jan 16, 1998

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 006N005W12G003S
Site identification number 343733117210802
Common name EPA II-2
North of Victorville in Mojave River flood plain. Drilled observation well. Diameter 2 inches, depth measured 25.3 feet in 1996, perforated 15–25 feet. Altitude of land-surface datum 2,570.3 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1996.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 24, 1996	12.29	V	Aug 15, 1996	12.21	V	May 27, 1997	12.61	V	Feb 17, 1998	12.29	R
Feb 16	12.34	V	Nov 13	12.21	R	Jun 12	12.59	R	Mar 12	11.15	R
Feb 27	11.49	V	Dec 16	12.24	R	Jul 14	12.45	R	Apr 15	9.79	R
Mar 14	11.67	V	Jan 16, 1997	12.25	R	Aug 12	12.26	R	May 11	9.69	R
Mar 26	10.77	V	Feb 05	12.25	V	Sep 12	12.15	R	Jun 16	10.43	R
May 14	11.96	V	Feb 14	12.20	R	Oct 13	12.04	R	Jul 15	10.62	R
Jun 18	12.11	V	Mar 13	12.34	R	Nov 12	12.23	R	Aug 17	10.75	R
Jul 15	12.12	V	Apr 15	12.52	R	Dec 19	12.66	R	Sep 15	10.83	R
Jul 24	11.98	V	May 14	12.62	R	Jan 16, 1998	12.68	R			

HIGHEST	9.69	May 11, 1998
LOWEST	12.68	Jan 16, 1998

State well number 006N005W12G004S
Site identification number 343730117210401
Common name EPA III
North of Victorville on Mojave River flood plain. Drilled observation well. Diameter 2 inches, depth 18.5 feet, perforated 8.5–18.5 feet. Altitude of land-surface datum 2,570.7 feet. Water-level records available since 1996.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 24, 1996	10.99	V	Feb 05, 1997	10.76	V	Aug 20, 1997	11.01	V	Apr 21, 1998	8.94	V
Feb 14	10.90	S	Feb 12	10.82	S	Sep 09	10.92	V	May 05	8.90	V
Mar 20	10.40	S	Mar 13	11.00	S	Sep 25	10.74	S	Jun 04	8.85	V
Apr 16	10.38	S	Apr 16	11.18	S	Oct 07	10.61	V	Jun 11	9.03	V
May 08	10.49	S	Apr 29	11.25	S	Oct 21	10.58	V	Jun 23	9.24	V
Jun 13	10.68	S	May 06	11.24	S	Nov 04	10.54	V	Jul 08	9.31	V
Jul 17	10.81	S	May 14	11.23	S	Nov 17	10.51	V	Jul 23	9.40	V
Aug 21	10.89	S	May 29	11.24	S	Dec 09	10.76	V	Aug 07	9.49	V
Sep 17	10.73	S	Jun 09	11.19	S	Jan 07, 1998	10.99	V	Aug 18	9.55	V
Oct 17	10.70	S	Jun 24	11.25	S	Feb 05	10.89	V	Sep 01	9.52	V
Nov 15	10.56	S	Jul 09	11.20	S	Mar 10	9.44	V	Sep 16	9.66	V
Dec 17	10.59	S	Jul 29	11.10	V	Mar 24	9.47	V	Sep 30	9.70	V
Jan 15, 1997	10.47	S									

HIGHEST	8.85	Jun 04, 1998
LOWEST	11.25	Apr 29, 1997, Jun 24, 1997

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 006N005W12H002S
Site identification number 343723117205401
Common name B1-1
About 6 miles north of Victorville on Mojave River flood plain. Drilled observation well. Diameter 2 inches, depth measured 24.37 feet in 1997, perforated 20.2–24.8 feet. Altitude of land-surface datum 2,582.29 feet. Water-level records available since 1997.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 22, 1997	19.25	S	Feb 05, 1997	19.48	V	Jul 28, 1997	19.76	V	Mar 11, 1998	17.98	V
Jan 31	19.22	V	May 06	19.92	S	Nov 19	19.38	V	Jun 04	17.60	V

HIGHEST	17.60	Jun 04, 1998
LOWEST	19.92	May 06, 1997

State well number 006N005W12H003S
Site identification number 343723117205402
Common name B1-2
About 6 miles north of Victorville on Mojave River flood plain. Drilled observation well. Diameter 2 inches, depth measured 21.2 feet in 1997, perforated 20–21.2 feet. Altitude of land-surface datum 2,582.32 feet. Water-level records available since 1997.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 22, 1997	19.30	S	Feb 05, 1997	19.53	V	Jul 28, 1997	19.81	V	Mar 11, 1998	18.02	V
Jan 31	19.28	V	May 06	19.95	S	Nov 19	19.42	V	Sep 04	17.64	V

HIGHEST	17.60	Sep 04, 1998
LOWEST	19.95	May 06, 1997

State well number 006N005W12H004S
Site identification number 343723117205601
Common name B2-1
About 6 miles north of Victorville on Mojave River flood plain. Drilled observation well. Diameter 2 inches, depth 15.2 feet, perforated 11.4–15 feet. Altitude of land-surface datum 2,573.68 feet. Water-level records available since 1997.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 22, 1997	10.61	S	May 06, 1997	11.44	S	Nov 19, 1997	10.70	V	Jun 04, 1998	8.98	V
Feb 05	10.81	V	Jul 28	11.11	V	Mar 11, 1998	9.38	V			

HIGHEST	8.98	Jun 04, 1998
LOWEST	11.44	May 06, 1997

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 006N005W12H005S
Site identification number 343723117205602
Common name B2-2
About 6 miles north of Victorville on Mojave River flood plain. Drilled observation well. Diameter 2 inches, depth measured 13.02 feet in 1997, perforated 12.2–13.3 feet. Altitude of land-surface datum 2,573.75 feet. Water-level records available since 1997.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 22, 1997	10.65	S	Feb 05, 1997	10.91	S	Jul 28, 1997	11.15	V	Mar 11, 1998	9.45	V
Jan 31	10.64	V	May 06	11.34	S	Nov 19	10.76	V	Jun 04	9.01	V

HIGHEST	9.01	Jun 04, 1998
LOWEST	11.34	May 06, 1997

State well number 006N005W12K004S
Site identification number 343723117210401
Common name B3-1
About 6 miles north of Victorville on Mojave River flood plain. Drilled observation well. Diameter 2 inches, depth measured 14.31 feet in 1997, perforated 10.4–15 feet. Altitude of land-surface datum 2,573.54 feet. Water-level records available since 1997.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 22, 1997	10.40	S	Feb 05, 1997	11.59	V	Jul 28, 1997	11.17	V	Mar 11, 1998	10.68	V
Jan 30	11.36	V	May 06	12.02	S	Nov 19	10.73	V	Jun 04	9.70	V

HIGHEST	9.70	Jun 04, 1998
LOWEST	12.02	May 06, 1997

State well number 006N005W12K005S
Site identification number 343723117210402
Common name B3-2
About 6 miles north of Victorville on Mojave River flood plain. Drilled observation well. Diameter 2 inches, depth measured 12.09 feet in 1997, perforated 11–12 feet. Altitude of land-surface datum 2,573.56 feet. Water-level records available since 1997.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 22, 1997	10.36	S	Feb 05, 1997	11.54	V	Jul 28, 1997	11.12	V	Mar 11, 1998	10.60	V
Jan 30	11.30	V	May 06	12.05	S	Nov 19	10.68	V	Jun 04	9.46	V

HIGHEST	9.46	Jun 04, 1998
LOWEST	12.05	May 06, 1997

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 006N005W12L005S
Site identification number 343721117213001
Common name EPA VII
North of Victorville at Victor Valley Regional Sewage Treatment Facility. Drilled observation well. Diameter 2 inches, depth measured 73.5 feet in 1996, perforated 64–74 feet. Altitude of land-surface datum 2,636 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1996.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 24, 1996	58.16	V	Aug 22, 1996	56.31	R	Apr 15, 1997	59.09	R	Oct 13, 1997	57.65	R
Feb 28	57.69	V	Sep 16	56.10	R	May 14	59.28	R	Nov 12	59.10	R
Mar 13	58.14	V	Oct 16	57.23	R	May 28	58.11	V	Dec 19	58.16	R
May 14	58.43	R	Nov 13	58.28	R	Jun 12	57.96	R	Jan 16, 1998	57.66	R
Jun 18	57.58	R	Dec 16	58.63	R	Jul 14	57.20	R	Feb 17	57.61	R
Jul 15	57.83	R	Jan 16, 1997	58.48	R	Aug 12	56.82	R	Aug 17	58.20	R
Jul 31	56.51	V	Feb 14	58.34	R	Sep 12	57.12	R	Sep 15	58.90	R
Aug 21	56.18	V	Mar 13	58.44	R						

HIGHEST	56.10	Sep 16, 1996
LOWEST	59.28	May 14, 1997

State well number 006N005W13B001S
Site identification number 343655117210701
Common name EPA I-1
North of Victorville in Mojave River channel. Drilled observation well. Diameter 2 inches, depth measured 102.75 feet in 1996, perforated 93–103 feet. Altitude of land-surface datum 2,580.3 feet. Reported measurements provided by Mojave Water Agency. Water-level records available 1996–98. Well destroyed by high water in February 1998.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 24, 1996	5.61	V	Sep 16, 1996	6.11	R	Feb 14, 1997	5.79	R	Sep 12, 1997	5.66	R
Feb 15	5.47	V	Oct 09	6.11	R	Mar 13	5.59	R	Oct 13	5.62	R
May 14	5.86	R	Oct 16	5.98	R	Apr 15	5.74	R	Nov 12	5.82	R
Jun 18	6.27	R	Nov 13	5.95	R	May 14	6.14	V	Dec 19	5.33	R
Jul 15	6.36	R	Dec 16	5.95	R	Jun 12	6.18	R	Jan 16, 1998	6.13	R
Jul 16	6.12	V	Jan 16, 1997	6.38	R	Jul 14	6.25	R	Feb 17	4.71	R
Aug 19	6.13	R	Feb 07	5.79	V	Aug 12	5.65	R	Mar 12		RW

HIGHEST	4.71	Feb 17, 1998
LOWEST	6.38	Jan 16, 1997

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 006N005W13B002S
Site identification number 343655117210702
Common name EPA I-2
North of Victorville on Mojave River flood plain. Drilled observation well. Diameter 2 inches, depth measured 22.35 feet in 1996, perforated 15–25 feet. Altitude of land-surface datum 2,580.3 feet. Reported measurements provided by Mojave Water Agency. Well destroyed by high water in February 1998. Water-level records available 1996–98.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 24, 1996	5.61	V	Aug 19, 1996	6.56	V	Apr 15, 1997	5.81	R	Oct 13, 1997	6.35	R
Feb 15	6.07	V	Nov 13	6.41	R	May 14	5.90	R	Nov 12	6.43	R
May 14	6.03	V	Dec 16	6.43	R	Jun 12	5.77	R	Dec 19	6.20	R
Jun 18	6.18	V	Jan 16, 1997	5.84	R	Jul 14	5.70	R	Jan 16, 1998	5.28	R
Jul 15	6.10	V	Feb 14	6.18	R	Aug 12	6.31	R	Feb 17	4.91	R
Jul 16	6.46	V	Mar 13	5.87	R	Sep 12	6.32	R	Mar 12		RW

HIGHEST	4.91	Feb 17, 1998
LOWEST	6.56	Aug 19, 1996

State well number 006N005W24A002S
Site identification number 343559117210101
Common name A2-1
West of Oro Grande on Mojave River flood plain. Drilled observation well. Diameter 2 inches, depth measured 19.75 feet in 1997, perforated 15–19.6 feet. Altitude of land-surface datum 2,604.03 feet. Water-level records available since 1997.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 22, 1997	10.47	S	Feb 04, 1997	3.81	V	Jul 28, 1997	8.67	V	Mar 11, 1998	3.07	V
Jan 31	5.21	V	May 07	5.65	S	Nov 19	11.65	V	Jun 03	3.00	V

HIGHEST	3.00	Jun 03, 1998
LOWEST	11.65	Nov 19, 1997

State well number 006N005W24A003S
Site identification number 343559117210102
Common name A2-2
West of Oro Grande on Mojave River flood plain. Drilled observation well. Diameter 2 inches, depth measured 12.12 feet, perforated 10–11 feet. Altitude of land-surface datum 2,604.06 feet. Water-level records available since 1997.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 22, 1997	10.55	S	Feb 04, 1997	3.83	V	Jul 28, 1997	8.68	V	Mar 11, 1998	3.18	V
Jan 31	4.97	V	May 07	5.61	S	Nov 19	11.67	V	Jun 03	3.06	V

HIGHEST	3.06	Jun 03, 1998
LOWEST	11.67	Nov 19, 1997

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 007N004W06F004S
Site identification number 344334117202501
Common name WELL B-1
South of Helendale in Mojave River channel. Drilled observation well. Diameter 2 inches, depth 25 feet, perforated 13–25 feet. Altitude of land-surface datum 2,450 feet. Water-level records available since 1997.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS
Aug 06, 1997	7.53	V

State well number 007N004W06F005S
Site identification number 344334117202701
Common name WELL B-2
South of Helendale in Mojave River channel. Drilled observation well. Diameter 2 inches, depth 99 feet, perforated 89–99 feet. Altitude of land-surface datum 2,450 feet. Water-level records available since 1997.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jun 19, 1997	21.19	V	Aug 06, 1997	21.25	V	Oct 16, 1997	18.64	V

HIGHEST	18.64	Oct 16, 1997
LOWEST	21.25	Aug 06, 1997

State well number 007N004W06F006S
Site identification number 344334117203001
Common name B-3
South of Helendale in Mojave River channel. Drilled observation well. Diameter 2 inches, depth 20 feet, perforated 10–20 feet. Altitude of land-surface datum 2,450 feet. Water-level records available since 1997.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jun 18, 1997	3.42	V	Aug 06, 1997	5.28	V	Oct 16, 1997	8.22	V

HIGHEST	3.42	Jun 18, 1997
LOWEST	8.22	Oct 16, 1997

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 007N004W19Q005S
Site identification number 344030117201101
Common name Daily-594
Northeast of Adelanto. Drilled observation well. Diameter 2 inches, depth 594 feet, perforated 534–574 feet. Altitude of land-surface datum 2,590 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1992.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Feb 26, 1992	64.28	V	Dec 22, 1993	68.36	V	Sep 25, 1995	71.33	R	Mar 28, 1997	68.15	R
Apr 21	64.4	V	Jan 25, 1994	67.34	V	Oct 30	70.21	R	Apr 30	68.82	R
May 12	65.54	S	Mar 12	66.98	V	Nov 27	69.16	R	May 29	69.61	R
May 28	66.00	S	Apr 11	67.39	V	Dec 18	68.54	R	Jul 01	70.72	R
Jun 16	67.12	V	Jun 08	69.99	R	Jan 31, 1996	67.41	R	Jul 31	71.45	R
Jul 02	65.54	V	Jul 26	72.25	R	Feb 29	67.07	R	Aug 29	71.95	R
Oct 06	67.79	V	Aug 23	72.76	R	Mar 28	67.37	R	Sep 25	71.95	R
Nov 16	66.77	V	Sep 26	72.51	R	Apr 09	67.75	V	Nov 07	70.48	R
Jan 13, 1993	65.00	V	Oct 24	71.27	R	Apr 29	68.65	R	Nov 27	69.91	R
Jan 14	64.95	V	Nov 28	69.33	R	May 30	70.04	R	Dec 30	68.51	R
Jan 22	64.69	V	Dec 20	68.66	R	Jul 02	71.29	R	Jan 29, 1998	67.97	R
Feb 03	64.52	S	Jan 23, 1995	67.52	R	Jul 31	72.08	R	Mar 02	67.13	R
Feb 11	64.21	V	Feb 27	67.23	R	Aug 21	71.82	R	Mar 27	67.27	R
Mar 22	64.09	V	Mar 30	67.06	R	Sep 27	71.74	R	Apr 23	67.63	R
May 20	66.65	V	Apr 25	67.79	R	Oct 22	70.66	R	May 26	68.60	R
Jul 28	70.27	V	May 25	68.99	R	Nov 27	68.98	R	Jun 25	69.49	R
Aug 27	71.41	V	Jun 27	70.03	R	Jan 03, 1997	68.01	R	Jul 28	71.20	R
Sep 24	71.55	V	Jul 25	70.86	R	Jan 30	67.57	R	Aug 24	72.09	R
Oct 20	71.09	V	Aug 28	71.50	R	Feb 27	67.31	R	Sep 26	71.70	R
Nov 16	71.43	V	Sep 14	71.68	V						

HIGHEST	64.09	Mar 22, 1993
LOWEST	72.76	Aug 23, 1994

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 007N004W19Q006S
Site identification number 344030117201102
Common name Daily-276
Northeast of Adelanto. Drilled observation well. Diameter 2 inches, depth 268.8 feet in 1996, perforated 256–276 feet. Altitude of land-surface datum 2,590 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1992.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Feb 26, 1992	67.11	V	Oct 20, 1993	81.19	V	Aug 28, 1995	81.62	R	Feb 27, 1997	79.56	R
Apr 08	67.83	V	Nov 16	81.57	V	Sep 14	81.88	V	Mar 28	80.12	R
Apr 16	68.93	S	Dec 22	80.17	V	Sep 25	81.61	R	Apr 30	79.98	R
Apr 21	68.7	V	Jan 25, 1994	79.59	V	Oct 30	80.82	R	May 29	80.78	R
May 12	69.79	S	Mar 12	79.45	V	Nov 27	80.60	R	Jul 01	81.23	R
May 28	70.43	S	Apr 11	79.74	V	Dec 18	79.91	R	Jul 31	81.58	R
Jun 16	71.56	V	Jun 08	80.90	R	Jan 31, 1996	79.67	R	Aug 29	81.71	R
Jul 02	71.07	V	Jul 26	81.82	R	Feb 29	79.44	R	Sep 25	81.32	R
Oct 06	80.66	V	Aug 23	81.69	R	Mar 28	79.76	R	Nov 07	80.56	R
Nov 16	79.71	V	Sep 26	81.59	R	Apr 09	79.75	V	Nov 27	80.18	R
Jan 13, 1993	78.89	V	Oct 24	81.04	R	Apr 29	80.05	R	Dec 30	79.87	R
Jan 14	78.82	V	Nov 28	80.33	R	May 30	80.08	R	Jan 29, 1998	79.73	R
Jan 22	81.72	V	Dec 20	78.91	R	Jul 03	81.40	R	Mar 02	79.18	R
Feb 03	81.68	S	Jan 23, 1995	79.50	R	Jul 31	81.66	R	Mar 27	79.63	R
Feb 11	81.61	V	Feb 27	79.50	R	Aug 21	81.86	R	Apr 23	79.62	R
Mar 22	81.45	V	Mar 30	80.56	R	Sep 27	81.45	R	May 26	79.99	R
May 20	82.08	V	Apr 25	80.69	R	Oct 22	81.00	R	Jun 25	80.58	R
Jul 28	82.93	V	May 25	81.13	R	Nov 27	80.40	R	Jul 28	81.04	R
Aug 27	83.01	V	Jun 27	81.26	R	Jan 03, 1997	79.56	R	Aug 24	81.49	R
Sep 24	81.64	V	Jul 25	81.69	R	Jan 30	79.53	R	Sep 26	81.30	R

HIGHEST	67.11	Feb 26, 1992
LOWEST	83.01	Aug 27, 1993

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 007N004W19Q007S
Site identification number 344030117201103
Common name Daily-150
Northeast of Adelanto. Drilled observation well. Diameter 2 inches, depth measured 148.1 feet in 1996, perforated 130–150 feet. Altitude of land-surface datum 2,590 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1992.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Feb 26, 1992	89.23	V	Nov 16, 1993	88.71	V	Oct 30, 1995	88.19	R	Mar 28, 1997	88.45	R
Apr 16	74.76	S	Jan 25, 1994	86.05	V	Nov 27	88.42	R	Apr 30	86.19	R
Apr 21	74.50	V	Apr 11	86.20	V	Dec 18	87.33	R	May 29	88.63	R
May 07	75.98	S	Jun 08	86.90	R	Jan 31, 1996	87.29	R	Jul 01	88.97	R
May 12	76.39	S	Jul 26	88.75	R	Feb 29	87.23	R	Jul 31	89.23	R
May 28	77.66	S	Aug 23	88.47	R	Mar 28	87.69	R	Aug 29	88.11	R
Jun 16	88.95	V	Sep 26	87.27	R	Apr 09	87.83	V	Sep 25	88.69	R
Jul 02	86.40	V	Oct 24	87.93	R	Apr 10	87.80	V	Nov 07	87.56	R
Oct 06	88.81	V	Nov 28	87.21	R	Apr 29	87.48	R	Nov 27	86.35	R
Nov 16	87.03	V	Dec 20	86.21	R	May 30	87.53	R	Dec 30	87.93	R
Jan 13, 1993	86.31	V	Jan 23, 1995	87.33	R	Jul 03	88.83	R	Jan 29, 1998	87.82	R
Jan 22	88.06	V	Feb 27	88.00	R	Jul 31	89.10	R	Mar 02	87.43	R
Feb 03	87.25	S	Mar 30	88.67	R	Aug 21	89.57	R	Mar 27	88.10	R
Feb 11	87.66	V	Apr 25	88.70	R	Sep 27	87.85	R	Apr 23	87.70	R
Mar 22	87.39	V	May 25	88.68	R	Oct 22	87.47	R	May 26	87.92	R
May 20	87.95	V	Jun 27	88.36	R	Nov 27	88.72	R	Jun 25	88.86	R
Jul 28	88.69	V	Jul 25	89.08	R	Jan 03, 1997	87.18	R	Jul 28	88.51	R
Aug 27	88.31	V	Aug 28	89.16	R	Jan 30	87.93	R	Aug 24	89.04	R
Sep 24	88.47	V	Sep 14	89.38	V	Feb 27	86.73	R	Sep 26	91.01	R
Oct 20	87.22	V	Sep 25	88.13	R						

HIGHEST	74.50	Apr 21, 1992
LOWEST	91.01	Sep 26, 1998

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 007N005W13H001S
Site identification number 344159117205701
Common name EPA V-A1
North of Victorville in Mojave River channel. Drilled observation well. Diameter 2 inches, depth measured 85.9 feet in 1996, perforated 90–100 feet. Altitude of land-surface datum 2,474.9 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1996.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 24, 1996	13.77	V	Sep 16, 1996	21.57	R	May 14, 1997	20.72	R	Jan 16, 1998	14.51	R
Mar 14	14.15	V	Oct 09	21.07	R	May 27	20.08	V	Feb 17	13.45	R
Mar 25	16.48	V	Oct 16	20.44	R	Jun 12	20.97	R	Mar 12	12.76	R
Apr 11	17.78	V	Nov 13	17.10	R	Jul 14	27.37	R	Apr 15	14.16	R
May 14	18.82	V	Dec 16	15.74	R	Aug 12	22.07	R	May 11	14.17	R
Jun 18	19.61	R	Jan 16, 1997	14.89	R	Sep 12	22.65	R	Jun 16	15.52	R
Jul 15	20.75	R	Feb 14	15.50	R	Oct 13	19.46	R	Jul 15	17.65	R
Aug 02	21.56	V	Mar 13	17.46	R	Nov 12	17.23	R	Aug 17	17.82	R
Aug 19	21.01	R	Apr 15	18.98	R	Dec 19	15.21	R	Sep 15	17.12	R

HIGHEST	12.76	Mar 12, 1998
LOWEST	27.37	Jul 14, 1997

State well number 007N005W13H002S
Site identification number 344159117205702
Common name EPA V-A2
North of Victorville in Mojave River channel. Drilled observation well. Diameter 2 inches, depth measured 24.4 feet in 1996, perforated 15–25 feet. Altitude of land-surface datum 2,474.9 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1996.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 24, 1996	1.41	V	Sep 16, 1996	5.95	R	May 14, 1997	1.55	R	Jan 16, 1998	1.62	R
Mar 14	1.16	V	Oct 09	6.52	R	May 27	1.99	V	Feb 17	1.24	R
Mar 25	1.22	V	Oct 16	6.62	R	Jun 12	2.87	R	Mar 12	1.23	R
Mar 28	1.18	V	Nov 13	2.34	R	Jul 14	4.33	R	Apr 15	0.64	R
May 14	1.39	V	Dec 16	1.56	R	Aug 12	5.44	R	May 11	.61	R
Jun 18	2.70	R	Jan 16, 1997	1.42	R	Sep 12	6.41	R	Jun 16	1.26	R
Jul 15	3.65	R	Feb 14	1.42	R	Oct 13	7.03	R	Jul 15	1.52	R
Aug 02	4.46	V	Mar 13	1.41	R	Nov 12	5.91	R	Aug 17	3.14	R
Aug 19	5.52	R	Apr 15	1.44	R	Dec 19	1.73	R	Sep 15	1.81	R

HIGHEST	.61	May 11, 1998
LOWEST	7.03	Oct 13, 1997

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 007N005W13H003S
Site identification number 344200117205001
Common name EPA V-B
North of Victorville in Mojave River channel. Drilled observation well. Diameter 2 inches, depth measured 24.7 feet, perforated 15–25 feet. Altitude of land-surface datum 2,474.5 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1996.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 24, 1996	3.11	V	Oct 16, 1996	7.60	R	Jun 12, 1997	3.86	R	Feb 17, 1998	2.43	R
Mar 14	2.64	V	Nov 13	5.79	R	Jul 14	5.20	R	Mar 12	2.01	R
Mar 28	2.64	V	Dec 16	3.71	R	Aug 12	6.28	R	Apr 15	1.48	R
May 14	3.13	R	Jan 16, 1997	3.15	R	Sep 12	7.27	R	May 11	1.74	R
Jun 18	3.65	R	Feb 14	2.97	R	Oct 13	7.94	R	Jun 16	2.24	R
Jul 15	4.76	R	Mar 13	2.79	R	Nov 12	7.17	R	Jul 15	3.04	R
Aug 02	5.49	V	Apr 15	2.77	R	Dec 19	3.98	R	Aug 17	4.14	R
Aug 19	6.12	R	May 14	2.99	R	Jan 16, 1998	3.43	R	Sep 15	3.63	R
Sep 16	6.93	R	May 27	3.18	V						

HIGHEST	1.48	Apr 15, 1998
LOWEST	7.94	Oct 13, 1997

State well number 007N005W23R001S
Site identification number 344036117215201
Common name OLDER-2 at 740
North of Victorville. Drilled observation well. Diameter 2 inches, depth 740 feet, perforated 700–740 feet. Altitude of land-surface datum 2,725 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1992.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Mar 11, 1992	287.36	V	Apr 12, 1994	283.86	V	Nov 27, 1995	288.78	R	May 29, 1997	287.69	R
Apr 08	285.03	V	Jun 08	288.10	R	Dec 18	287.22	R	Jun 30	290.16	R
Apr 21	285.00	V	Jul 26	292.87	R	Jan 31, 1996	286.27	R	Jul 30	291.79	R
May 12	287.79	V	Aug 23	294.50	R	Feb 29	283.25	R	Aug 29	292.08	R
Sep 28	296.9	V	Sep 26	295.15	R	Mar 28	283.02	R	Sep 25	292.30	R
Oct 06	297.15	V	Oct 24	293.79	R	Apr 29	285.40	R	Nov 07	290.13	R
Nov 19	293.85	V	Nov 28	290.26	R	May 30	287.36	R	Nov 27	288.83	R
Mar 22, 1993	282.49	V	Dec 19	288.20	R	Jul 02	290.10	R	Dec 30	285.24	R
May 20	287.85	V	Jan 23, 1995	285.25	R	Jul 31	291.02	R	Jan 29, 1998	283.71	R
Jun 03	288.95	V	Feb 27	283.70	R	Aug 21	292.15	R	Mar 02	281.80	R
Jun 09	289.40	V	Mar 30	283.31	R	Sep 26	292.52	R	Mar 27	281.30	R
Jul 28	292.39	V	Apr 25	284.97	R	Oct 22	291.49	R	Apr 23	281.62	R
Aug 27	293.72	V	May 24	287.44	R	Nov 27	288.10	R	May 26	283.15	R
Sep 24	293.42	V	Jun 26	289.91	R	Jan 03, 1997	285.10	R	Jun 25	284.81	R
Oct 20	292.41	V	Jul 25	291.44	R	Jan 30	283.80	R	Jul 28	287.18	R
Nov 16	292.70	V	Aug 28	292.50	R	Feb 27	283.36	R	Aug 24	288.32	R
Dec 22	286.25	V	Sep 25	292.44	R	Mar 27	284.52	R	Sep 26	288.18	R
Jan 25, 1994	283.46	V	Oct 30	291.07	R	Apr 30	285.60	R			

HIGHEST	281.30	Mar 27, 1998
LOWEST	297.15	Oct 06, 1992

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 007N005W23R002S
Site identification number 344036117215202
Common name OLDER-2 at 510
North of Victorville. Drilled observation well. Diameter 2 inches, depth 510 feet, perforated 490–510 feet. Altitude of land-surface datum 2,725 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1992.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Mar 11, 1992	287.42	V	Apr 12, 1994	284.83	V	Nov 27, 1995	288.80	R	May 29, 1997	288.75	R
Apr 08	285.07	V	Jun 08	288.99	R	Dec 18	286.99	R	Jun 30	291.30	R
Apr 21	286.0	V	Jul 26	294.02	R	Jan 31, 1996	286.32	R	Jul 30	292.48	R
May 12	288.83	V	Aug 23	295.36	R	Feb 29	283.24	R	Aug 29	292.73	R
Sep 28	297.365	V	Sep 26	295.60	R	Mar 28	283.74	R	Sep 25	293.22	R
Oct 06	297.78	V	Oct 24	293.89	R	Apr 29	286.20	R	Nov 07	289.96	R
Nov 19	293.70	V	Nov 28	289.91	R	May 30	288.30	R	Nov 27	288.00	R
Mar 22, 1993	282.90	V	Dec 19	287.97	R	Jul 02	290.82	R	Dec 30	285.01	R
May 20	289.15	V	Jan 23, 1995	284.89	R	Jul 31	291.90	R	Jan 29, 1998	283.67	R
Jun 03	290.13	V	Feb 27	284.17	R	Aug 21	292.80	R	Mar 02	281.69	R
Jun 04	290.33	V	Mar 30	283.44	R	Sep 26	293.17	R	Mar 27	281.81	R
Jul 28	293.44	V	Apr 25	285.98	R	Oct 22	291.52	R	Apr 23	282.76	R
Aug 27	294.76	V	May 24	288.57	R	Nov 27	287.80	R	May 26	283.92	R
Sep 24	294.12	V	Jun 26	290.78	R	Jan 03, 1997	284.97	R	Jun 25	285.58	R
Oct 20	292.36	V	Jul 25	292.43	R	Jan 30	284.02	R	Jul 28	288.04	R
Nov 16	292.59	V	Aug 28	293.11	R	Feb 27	283.43	R	Aug 24	288.95	R
Dec 22	285.77	V	Sep 25	292.78	R	Mar 27	285.31	R	Sep 26	288.67	R
Jan 25, 1994	283.46	V	Oct 30	290.93	R	Apr 30	286.41	R			

HIGHEST	281.69	Mar 02, 1998
LOWEST	297.78	Oct 06, 1992

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 007N005W23R003S
Site identification number 344036117215203
Common name OLDER-2 at 315
North of Victorville. Drilled observation well. Diameter 2 inches, depth measured 305.8 feet in 1996, perforated 295–315 feet. Altitude of land-surface datum 2,725 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1992.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Mar 11, 1992	241.99	V	Apr 12, 1994	240.55	V	Nov 27, 1995	239.76	R	May 29, 1997	243.26	R
Apr 08	241.54	V	Jun 08	241.03	R	Dec 18	239.39	R	Jun 30	244.33	R
Apr 21	241.8	V	Jul 26	243.24	R	Jan 31, 1996	238.84	R	Jul 30	243.88	R
May 12	242.21	V	Aug 23	242.83	R	Feb 29	238.40	R	Aug 29	245.39	R
Sep 28	244.3	V	Sep 26	241.84	R	Mar 28	239.46	R	Sep 25	244.72	R
Oct 06	244.18	V	Oct 24	241.62	R	Apr 29	240.93	R	Nov 07	241.72	R
Nov 19	242.60	V	Nov 28	239.67	R	May 30	241.74	R	Nov 27	239.92	R
Mar 22, 1993	239.03	V	Dec 19	239.30	R	Jul 02	243.83	R	Dec 30	239.32	R
May 20	243.60	V	Jan 23, 1995	238.48	R	Jul 31	243.86	R	Jan 29, 1998	239.21	R
Jun 03	241.67	V	Feb 27	239.20	R	Aug 21	243.88	R	Mar 02	237.91	R
Jun 09	241.00	V	Mar 30	238.69	R	Sep 26	244.12	R	Mar 27	238.21	R
Jul 28	244.12	V	Apr 25	239.66	R	Oct 22	241.04	R	Apr 23	240.32	R
Aug 27	244.78	V	May 26	241.42	R	Nov 27	239.73	R	May 26	241.80	R
Sep 24	243.56	V	Jun 26	241.32	R	Jan 03, 1997	239.13	R	Jun 25	242.44	R
Oct 20	242.15	V	Jul 25	243.77	R	Jan 30	238.96	R	Jul 28	242.73	R
Nov 16	241.59	V	Aug 28	241.93	R	Feb 27	239.24	R	Aug 24	242.96	R
Dec 22	239.70	V	Sep 25	241.27	R	Mar 27	241.52	R	Sep 26	242.74	R
Jan 25, 1994	239.01	V	Oct 30	240.36	R	Apr 30	242.18	R			

HIGHEST	237.91	Mar 02, 1998
LOWEST	245.39	Aug 29, 1997

State well number 007N005W23R004S
Site identification number 344036117215204
Common name OLDER-2 at 92
North of Victorville. Drilled observation well. Diameter 2 inches, depth 92 feet in 1996, perforated 57–92 feet. Altitude of land-surface datum 2,725 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1992.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Mar 11, 1992		D	Oct 20, 1993		VD	Jul 25, 1995		RD	Jul 31, 1996		RD
Apr 08		VD	Nov 16		VD	Aug 28		RD	Aug 21		RD
May 12		VD	Dec 22		VD	Sep 25		RD	Sep 26		RD
Sep 28		D	Jan 25, 1994		VD	Oct 30		RD	Oct 22		RD
Oct 06		D	Apr 12		VD	Nov 27		RD	Nov 27		RD
Nov 19		D	Jun 08		VD	Dec 18		RD	Jan 03, 1997		RD
Mar 22, 1993		D	Feb 27, 1995		RD	Jan 31, 1996		RD	Jan 30		RD
May 20		VD	Mar 30		RD	Feb 29		RD	Feb 27		RD
Jul 28		VD	Apr 25		RD	Apr 29		RD	Mar 27		RD
Aug 28		VD	May 24		RD	May 30		RD	Apr 30,		RD
Sep 24		VD	Jun 26		RD	Jul 02		RD			

HIGHEST	--
LOWEST	--

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 007N005W24R005S
Site identification number 344028117210601
Common name OLDER-1 at 550
North of Victorville along Mojave River at Bryman Road. Drilled observation well. Diameter 2 inches, depth 550 feet, perforated 510–550 feet, open obstruction at 225.7 feet in 1998. Altitude of land-surface datum 2,505 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1992.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Apr 08, 1992	70.26	V	Dec 22, 1993	70.84	V	Sep 25, 1995	79.63	R	Mar 28, 1997	72.26	R
Apr 16	72.46	S	Jan 25, 1994	69.48	V	Oct 30	76.41	R	Apr 30	73.44	R
Apr 21	74.2	V	Mar 12	71.54	V	Nov 27	74.72	R	May 29	76.36	R
May 12	78.34	V	Apr 11	72.63	V	Dec 18	74.17	R	Jul 01	79.24	R
May 28	81.46	V	Jun 08	77.19	R	Jan 31, 1996	70.17	R	Jul 31	79.53	R
Jul 02	82.50	V	Jul 26	82.89	RS	Feb 29	68.66	R	Aug 29	79.32	R
Oct 06	85.13	V	Aug 23	83.67	R	Mar 28	70.69	R	Sep 25	80.88	R
Nov 16	80.03	V	Sep 26	83.08	R	Apr 09	72.00	V	Nov 07	75.05	R
Dec 31	74.24	V	Oct 24	80.31	R	Apr 29	73.48	R	Nov 27	72.94	R
Jan 13, 1993	72.15	V	Nov 28	75.31	R	May 30	76.00	R	Dec 30	70.05	R
Jan 15	71.83	V	Dec 20	73.67	R	Jul 03	78.85	R	Jan 29, 1998	68.95	R
Feb 03	71.60	S	Jan 23, 1995	69.85	R	Jul 31	79.61	R	Mar 02	66.61	R
Feb 11	69.55	V	Feb 27	71.31	R	Aug 21	79.60	R	Mar 27	68.45	R
Mar 22	69.29	V	Mar 30	69.46	R	Sep 27	80.11	R	Apr 23	68.55	R
May 20	77.68	V	Apr 25	74.19	R	Oct 22	77.57	R	May 26	70.68	R
Jul 28	81.84	V	May 25	77.18	R	Nov 27	72.81	R	Jun 25	72.47	R
Aug 27	83.27	V	Jun 27	78.80	R	Jan 03, 1997	70.36	R	Jul 28	75.46	R
Sep 24	81.25	V	Jul 25	80.37	R	Jan 30	70.30	R	Aug 24	75.94	R
Oct 20	78.00	V	Aug 28	80.43	R	Feb 27	69.21	R	Sep 26	75.40	R
Nov 16	79.03	V	Sep 11	80.06	V						

HIGHEST	66.61	Mar 02, 1998
LOWEST	85.13	Oct 06, 1992

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 007N005W24R006S
Site identification number 344028117210602
Common name OLDER-1 at 285
North of Victorville along Mojave River at Bryman Road. Drilled observation well. Diameter 2 inches, depth 285 feet, perforated 265–285 feet, open obstruction at 87.9 feet in 1998. Altitude of land-surface datum 2,505 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1992.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Apr 08, 1992	68.68	V	Dec 22, 1993	68.30	V	Sep 25, 1995	77.06	R	Mar 28, 1997	70.41	R
Apr 16	71.10	S	Jan 25, 1994	67.13	V	Oct 30	73.93	R	Apr 30	71.55	R
Apr 21	72.7	V	Mar 12	69.11	V	Nov 27	71.76	R	May 29	74.22	R
May 12	76.49	S	Apr 11	70.42	V	Dec 18	69.83	R	Jul 01	76.89	R
May 28	79.16	V	Jun 08	74.66	R	Jan 31, 1996	67.97	R	Jul 31	77.09	R
Jul 02	80.25	V	Jul 26	80.34	RS	Feb 29	66.61	R	Aug 29	77.41	R
Oct 06	82.48	V	Aug 23	80.93	R	Mar 28	68.67	R	Sep 25	78.89	R
Nov 16	77.47	V	Sep 26	80.34	R	Apr 09	69.91	V	Nov 07	72.75	R
Dec 31	72.01	V	Oct 24	77.69	R	Apr 29	71.37	R	Nov 27	70.58	R
Jan 13, 1993	69.91	V	Nov 28	72.73	R	May 30	73.79	R	Dec 30	67.96	R
Jan 15	68.90	V	Dec 20	71.27	R	Jul 03	76.76	R	Jan 29, 1998	66.93	R
Feb 03	67.92	S	Jan 23, 1995	67.63	R	Jul 31	77.41	R	Mar 02	64.61	R
Feb 11	67.45	V	Feb 27	69.26	R	Aug 21	78.22	R	Mar 27	66.23	R
Mar 22	67.15	V	Mar 30	67.28	R	Sep 27	77.83	R	Apr 23	66.72	R
May 20	75.51	V	Apr 25	71.84	R	Oct 22	75.13	R	May 26	68.81	R
Jul 28	79.43	V	May 25	74.89	R	Nov 27	70.48	R	Jun 25	70.35	R
Aug 27	80.86	V	Jun 27	76.27	R	Jan 03, 1997	68.12	R	Jul 28	75.21	R
Sep 24	78.83	V	Jul 25	78.07	R	Jan 30	68.15	R	Aug 24	73.70	R
Oct 20	75.27	V	Aug 28	77.94	R	Feb 27	67.17	R	Sep 26	72.89	R
Nov 16	76.84	V	Sep 11	77.52	V						

HIGHEST	64.61	Mar 02, 1998
LOWEST	82.48	Oct 06, 1992

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 007N005W24R007S
Site identification number 344028117210603
Common name OLDER-1 at 150
North of Victorville along Mojave River at Bryman Road. Drilled observation well. Diameter 2 inches, depth measured 143.8 feet in 1998, perforated 130–150 feet. Altitude of land-surface datum 2,505 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1992.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Apr 08, 1992	31.09	V	Dec 22, 1993	28.60	V	Sep 25, 1995	31.74	R	Mar 28, 1997	35.52	R
Apr 16	37.03	S	Jan 25, 1994	27.81	V	Oct 30	29.64	R	Apr 30	33.98	R
Apr 21	36.62	S	Mar 12	29.15	V	Nov 27	28.97	R	May 29	34.47	R
May 12	38.02	S	Apr 11	30.69	V	Dec 18	27.85	R	Jul 01	34.18	R
May 28	38.47	V	Jun 08	32.24	R	Jan 31, 1996	27.61	R	Jul 31	35.38	R
Jul 02	38.41	V	Jul 26	38.61	RS	Feb 29	27.13	R	Aug 29	40.01	R
Oct 06	36.81	V	Aug 23	33.95	R	Mar 27	28.57	V	Sep 25	40.71	R
Nov 16	31.90	V	Sep 26	33.64	R	Mar 28	28.48	R	Nov 07	31.41	R
Dec 31	30.41	V	Oct 24	32.23	R	Apr 09	29.35	V	Nov 27	28.65	R
Jan 13, 1993	29.21	V	Nov 28	29.17	R	Apr 29	32.02	R	Dec 30	28.15	R
Jan 15	28.94	V	Dec 20	28.73	R	May 30	34.90	R	Jan 29, 1998	28.42	R
Feb 03	28.79	S	Jan 23, 1995	27.52	R	Jul 03	38.64	R	Mar 02	26.46	R
Feb 11	28.08	V	Feb 27	30.26	R	Jul 31	37.80	R	Mar 27	26.91	R
Mar 22	27.68	V	Mar 30	31.19	R	Aug 21	35.58	R	Apr 23	32.60	R
May 20	38.51	V	Apr 25	30.73	R	Sep 27	35.52	RS	May 26	34.85	R
Jul 28	41.20	V	May 25	32.90	R	Oct 22	30.75	R	Jun 25	35.04	R
Aug 27	41.34	V	Jun 27	33.46	R	Nov 27	28.53	R	Jul 28	35.88	R
Sep 24	41.44	V	Jul 25	37.81	R	Jan 03, 1997	28.01	R	Aug 24	35.80	R
Oct 20	31.34	V	Aug 28	35.58	R	Jan 30	28.00	R	Sep 26	33.17	R
Nov 16	34.50	V	Sep 11	33.81	V	Feb 27	28.29	R			

HIGHEST	26.46	Mar 02, 1998
LOWEST	41.44	Sep 24, 1993

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 007N005W24R008S
Site identification number 344028117210604
Common name OLDER-1 at 50
North of Victorville along Mojave River at Bryman Road. Drilled observation well. Diameter 2 inches, depth measured 50.4 feet in 1998, perforated 45–50 feet. Altitude of land-surface datum 2,505 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1992.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Apr 08, 1992	9.10	V	Mar 12, 1994	8.82	V	Dec 18, 1995	9.19	R	May 29, 1997	10.85	R
Apr 16	9.66	S	Apr 11	9.00	V	Jan 31, 1996	9.02	R	Jul 01	11.11	R
Apr 21	7.74	S	Jun 08	9.28	R	Feb 29	8.92	R	Jul 28	11.38	V
May 12	9.98	S	Jul 26	9.45	RS	Mar 27	9.04	V	Jul 31	11.37	R
May 28	10.29	V	Aug 23	9.53	R	Mar 28	9.19	R	Aug 29	11.35	R
Jul 02	9.83	V	Sep 26	9.25	R	Apr 09	9.33	V	Sep 25	10.47	R
Oct 06	11.04	V	Oct 24	9.04	R	Apr 29	10.21	R	Nov 07	9.41	R
Nov 16	9.98	V	Nov 28	8.85	R	May 30	10.79	R	Nov 19	8.94	V
Dec 31	9.35	V	Dec 20	8.89	R	Jul 03	11.22	R	Nov 27	8.13	R
Jan 13, 1993	8.19	V	Jan 23, 1995	9.03	R	Jul 31	11.25	R	Dec 30	9.35	R
Jan 15	7.68	V	Feb 27	8.75	R	Aug 21	11.22	R	Jan 29, 1998	9.34	R
Jan 25	8.77	V	Mar 30	8.35	R	Sep 27	9.92	R	Mar 02	8.77	R
Feb 03	8.58	S	Apr 25	8.95	R	Oct 22	10.33	R	Mar 11	6.33	V
Feb 11	7.96	V	May 25	9.93	R	Nov 27	9.41	R	Mar 27	8.98	R
Mar 22	8.12	V	Jun 27	10.29	R	Jan 03, 1997	9.35	R	Apr 23	9.05	R
May 20	9.26	V	Jul 25	10.62	R	Jan 30	9.14	R	May 26	9.72	R
Jul 28	9.95	V	Aug 28	10.64	R	Feb 13	9.54	V	Jun 03	8.16	V
Aug 27	10.14	V	Sep 11	10.62	V	Feb 27	9.39	R	Jun 25	11.11	R
Sep 24	10.07	V	Sep 25	10.55	R	Mar 28	9.76	R	Jul 28	11.68	R
Oct 20	9.70	V	Oct 30	9.46	R	Apr 30	10.08	R	Aug 24	11.70	R
Nov 16	9.99	V	Nov 27	9.30	R	May 07	10.26	V	Sep 26	11.52	R
Dec 22	9.17	V									

HIGHEST	6.33	Mar 11, 1998
LOWEST	11.70	Aug 24, 1998

State well number 007N005W25C002S
Site identification number 344028117212401
Common name PALISADES NO. 1
North of Victorville at Bryman Road on Mojave River flood plain. Drilled observation well. Diameter 2 inches, depth 4.5 feet, perforated 3–4.5 feet. Altitude of land-surface datum 2,510 feet. Water-level records available since 1997.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
May 07, 1997	3.37	S	Jul 08, 1997		SD	Nov 19, 1997	2.38	V	Jun 03, 1998		VD

HIGHEST	2.38	Nov 19, 1997
LOWEST	3.37	May 07, 1997

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 008N004W19G001S
Site identification number 344611117200801
Common name HELENDALE 4-1
North of Silver Lakes. Drilled observation well. Diameter 2 inches, depth measured 316.4 feet in 1996, perforated 295–315 feet. Altitude of land-surface datum 2,458 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1995.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 24, 1995	71.96	V	Nov 27, 1995	71.31	V	Nov 27, 1996	70.71	R	Nov 27, 1997	71.32	R
Mar 07	71.50	V	Dec 18	70.92	V	Jan 02, 1997	70.32	R	Dec 30	70.97	R
Mar 30	71.15	V	Jan 31, 1996	70.18	V	Jan 30	70.17	R	Jan 29, 1998	70.67	R
Apr 25	71.30	V	Feb 29	70.23	V	Feb 27	70.01	R	Mar 02	70.33	R
Apr 27	71.30	V	Mar 27	70.11	V	Mar 27	70.66	R	Mar 27	70.23	R
May 24	71.52	V	Apr 29	70.89	R	Apr 29	71.28	R	Apr 23	70.11	R
Jun 05	71.68	V	May 30	71.13	R	May 29	71.74	R	May 26	70.43	R
Jun 26	71.72	VS	Jul 02	71.01	R	Jun 30	71.79	R	Jun 25	70.15	R
Jul 25	72.11	V	Jul 31	71.21	R	Jul 30	72.24	R	Jul 28	70.10	R
Aug 28	72.08	V	Aug 21	71.48	R	Aug 29	72.16	R	Aug 24	69.76	R
Sep 25	71.87	V	Sep 26	71.46	R	Sep 23	71.98	R	Sep 26	69.54	R
Oct 30	71.51	V	Oct 22	71.26	R	Nov 07	71.52	R			

HIGHEST	69.54	Sep 26, 1998
LOWEST	72.24	Jul 30, 1997

State well number 008N004W19G002S
Site identification number 344611117200802
Common name HELENDALE 4-2
North of Silver Lakes. Drilled observation well. Diameter 2 inches, depth measured 239.4 feet in 1997, perforated 220–240 feet. Altitude of land-surface datum 2,458 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1995.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 24, 1995	73.38	V	Nov 27, 1995	71.42	R	Nov 27, 1996	70.74	R	Nov 27, 1997	71.41	R
Mar 07	72.01	R	Dec 18	71.00	R	Jan 02, 1997	70.41	R	Dec 30	71.06	R
Mar 30	71.39	R	Jan 31, 1996	70.29	R	Jan 30	70.24	R	Jan 29, 1998	70.75	R
Apr 25	71.60	R	Feb 29	70.33	R	Feb 27	70.07	R	Mar 02	70.42	R
Apr 27	71.62	V	Mar 27	70.19	R	Mar 27	70.67	R	Mar 27	70.25	R
May 24	71.64	V	Apr 29	70.95	R	Apr 29	71.30	R	Apr 23	70.14	R
Jun 05	71.72	V	May 30	71.19	R	May 29	71.77	R	May 26	70.47	R
Jun 26	71.77	R	Jul 02	71.06	R	Jun 30	71.86	R	Jun 25	70.23	R
Jul 25	72.12	R	Jul 31	71.27	R	Jul 30	72.32	R	Jul 28	70.11	R
Aug 28	72.11	R	Aug 21	71.50	R	Aug 29	72.22	R	Aug 24	69.78	R
Sep 25	71.91	R	Sep 26	71.56	R	Sep 23	72.07	R	Sep 26	69.66	R
Oct 30	71.59	R	Oct 22	71.32	R	Nov 07	71.59	R			

HIGHEST	69.66	Sep 26, 1998
LOWEST	73.38	Jan 24, 1995

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 008N004W19G003S
Site identification number 344611117200803
Common name HELENDALE 4-3
North of Silver Lakes. Drilled observation well. Diameter 2 inches, depth measured 170.6 feet in 1996, perforated 150–170 feet. Altitude of land-surface datum 2,458 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1995.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 24, 1995	71.18	V	Nov 27, 1995	70.08	R	Nov 27, 1996	69.62	R	Nov 07, 1997	70.52	R
Mar 07	70.64	R	Dec 18	69.86	R	Jan 02, 1997	69.50	R	Nov 27	70.48	R
Mar 30	70.36	R	Jan 31, 1996	69.28	R	Jan 30	69.36	R	Dec 30	70.26	R
Apr 25	70.27	R	Feb 29	69.29	R	Feb 27	69.25	R	Jan 29, 1998	70.00	R
Apr 27	70.28	V	Mar 27	69.12	R	Mar 27	69.64	R	Mar 02	67.74	R
May 24	70.37	R	Apr 29	69.69	R	Apr 29	70.26	R	Mar 27	69.59	R
Jun 05	70.42	V	May 30	70.00	R	May 29	70.72	R	Apr 23	69.32	R
Jun 26	70.32	R	Jul 02	69.81	R	Jun 30	70.74	R	Jun 25	69.65	R
Jul 25	70.54	R	Jul 31	69.85	R	Jul 30	70.97	R	Jul 28	69.08	R
Aug 28	70.55	R	Aug 21	70.02	R	Aug 29	70.75	R	Aug 24	68.62	R
Sep 25	70.32	R	Sep 26	70.05	R	Sep 23	70.52	R	Sep 26	68.40	R
Oct 30	70.14	R	Oct 22	69.78	R						

HIGHEST	68.40	Sep 26, 1998
LOWEST	71.18	Jan 24, 1995

State well number 008N004W19G004S
Site identification number 344611117200804
Common name HELENDALE 4-4
North of Silver Lakes. Drilled observation well. Diameter 2 inches, depth measured 101.1 feet in 1996, perforated 80–100 feet. Altitude of land-surface datum 2,458 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1995.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 24, 1995	71.48	V	Nov 27, 1995	70.41	R	Nov 27, 1996	68.77	R	Nov 27, 1997	70.72	R
Mar 07	70.91	R	Dec 18	70.19	R	Jan 02, 1997	69.74	R	Dec 30	70.53	R
Mar 30	70.64	R	Jan 31, 1996	69.62	R	Jan 30	69.63	R	Jan 29, 1998	70.29	R
Apr 25	70.57	R	Feb 29	69.62	R	Feb 27	69.50	R	Mar 02	70.03	R
Apr 27	70.38	V	Mar 27	69.43	R	Mar 27	69.87	R	Mar 27	69.85	R
May 24	70.68	R	Apr 29	70.00	R	Apr 29	70.48	R	Apr 23	69.63	R
Jun 05	70.74	V	May 30	70.30	R	May 29	70.96	R	May 26	69.86	R
Jun 26	70.66	R	Jul 02	70.16	R	Jun 30	70.98	R	Jun 25	69.65	R
Jul 25	70.86	R	Jul 31	70.17	R	Jul 30	71.23	R	Jul 28	69.31	R
Aug 28	70.86	R	Aug 21	70.36	R	Aug 29	71.02	R	Aug 24	68.91	R
Sep 25	70.65	R	Sep 26	70.40	R	Sep 23	70.77	R	Sep 26	68.67	R
Oct 30	70.48	R	Oct 22	70.09	R	Nov 07	70.76	R			

HIGHEST	68.67	Sep 26, 1998
LOWEST	71.48	Jan 24, 1995

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 008N004W20Q007S
Site identification number 344546117190101
Common name HELENDALE 2-460
Northeast of Silver Lakes. Drilled observation well. Diameter 2 inches, depth measured 452 feet in 1996, perforated 440–460 feet. Altitude of land-surface datum 2,397.3 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1994.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 13, 1994	9.61	V	May 24, 1995	7.27	V	Jul 02, 1996	8.87	R	Aug 29, 1997	12.30	R
Jan 25	8.67	V	Jun 05	7.56	V	Jul 31	9.55	R	Sep 23	12.50	R
Mar 12	7.49	V	Jun 26	8.07	R	Aug 21	10.09	R	Nov 07	11.45	R
Apr 12	8.41	V	Jul 25	8.89	R	Sep 26	10.70	R	Nov 27	11.02	R
Jun 08	9.52	R	Aug 28	9.65	R	Oct 22	11.03	R	Dec 30	10.40	R
Jul 26	11.10	R	Sep 25	10.21	R	Nov 27	9.86	R	Jan 29, 1998	10.16	R
Aug 22	12.08	R	Oct 30	9.54	R	Jan 02, 1997	9.38	R	Mar 02	7.83	R
Sep 26	12.16	R	Nov 27	9.40	R	Jan 30	9.09	R	Mar 27	6.70	R
Oct 24	11.14	R	Dec 18	9.02	R	Feb 27	8.23	R	Apr 23	6.39	R
Nov 28	10.38	R	Jan 31, 1996	8.61	R	Mar 27	8.86	R	May 26	6.58	R
Dec 19	10.29	R	Feb 29	7.96	R	Apr 29	9.41	R	Jun 25	6.48	R
Jan 23, 1995	8.46	R	Mar 27	6.84	R	May 28	10.19	R	Jul 28	7.70	R
Feb 27	7.08	R	Apr 29	7.13	R	Jun 30	10.85	R	Aug 24	8.38	R
Mar 30	5.64	R	May 30	7.79	R	Jul 30	11.63	R	Sep 26	8.82	R
Apr 25	6.77	R									

HIGHEST	5.64	Mar 30, 1995
LOWEST	12.50	Sep 23, 1997

State well number 008N004W20Q008S
Site identification number 344546117190102
Common name HELENDALE 2-350
Northeast of Silver Lakes. Drilled observation well. Diameter 2 inches, depth measured 350.6 feet in 1997, perforated 330–350 feet. Altitude of land-surface datum 2,397.3 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1994.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 13, 1994	9.59	V	May 24, 1995	6.98	R	Jul 02, 1996	8.59	R	Aug 29, 1997	11.95	R
Jan 25	8.37	V	Jun 05	7.25	V	Jul 31	9.22	R	Sep 23	12.20	R
Mar 12	7.19	V	Jun 26	7.76	R	Aug 21	9.85	R	Nov 07	11.14	R
Apr 12	8.12	V	Jul 25	8.58	R	Sep 26	10.40	R	Nov 27	10.68	R
Jun 08	9.22	R	Aug 28	9.35	R	Oct 22	10.71	R	Dec 30	10.09	R
Jul 26	10.77	R	Sep 25	9.89	R	Nov 27	9.55	R	Jan 29, 1998	9.77	R
Aug 22	11.79	R	Oct 30	9.24	R	Jan 02, 1997	9.07	R	Mar 02	7.88	R
Sep 26	11.87	R	Nov 27	9.11	R	Jan 30	8.77	R	Mar 27	6.40	R
Oct 24	10.85	R	Dec 18	8.71	R	Feb 27	7.90	R	Apr 23	6.07	R
Nov 28	10.09	R	Jan 31, 1996	8.29	R	Mar 27	8.53	R	May 26	6.28	R
Dec 19	9.99	R	Feb 29	7.68	R	Apr 29	9.08	R	Jun 25	6.17	R
Jan 23, 1995	8.18	R	Mar 27	6.53	R	May 28	9.86	R	Jul 28	7.40	R
Feb 27	6.80	R	Apr 29	6.81	R	Jun 30	10.52	R	Aug 24	8.02	R
Mar 30	5.33	R	May 30	7.45	R	Jul 30	11.32	R	Sep 26	8.50	R
Apr 25	6.45	R									

HIGHEST	5.33	Mar 30, 1995
LOWEST	12.20	Sep 23, 1997

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 008N004W20Q009S
Site identification number 344546117190103
Common name HELENDALE 2-270
Northeast of Silver Lakes. Drilled observation well. Diameter 2 inches, depth measured 270.8 feet in 1997, perforated 250–270 feet. Altitude of land-surface datum 2,397.3 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1994.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 13, 1994	8.29	V	May 24, 1995	6.39	R	Jul 02, 1996	8.01	R	Aug 29, 1997	11.40	R
Jan 25	7.72	V	Jun 05	6.70	V	Jul 31	8.68	R	Sep 23	11.62	R
Mar 12	6.55	V	Jun 26	7.22	R	Aug 21	9.31	R	Nov 07	10.44	R
Apr 12	7.54	V	Jul 25	8.04	R	Sep 26	9.85	R	Nov 27	9.93	R
Jun 08	8.61	R	Aug 28	8.84	R	Oct 22	10.05	R	Dec 30	9.31	R
Jul 26	10.29	R	Sep 25	9.37	R	Nov 27	8.82	R	Jan 29, 1998	9.06	R
Aug 22	11.26	R	Oct 30	8.57	R	Jan 02, 1997	8.37	R	Mar 02	6.72	R
Sep 26	11.30	R	Nov 27	8.43	R	Jan 30	8.00	R	Mar 27	5.63	R
Oct 24	10.14	R	Dec 18	8.01	R	Feb 27	7.22	R	Apr 23	5.41	R
Nov 28	9.36	R	Jan 31, 1996	7.62	R	Mar 27	7.89	R	May 26	5.64	R
Dec 19	9.27	R	Feb 29	6.92	R	Apr 29	8.48	R	Jun 25	5.51	R
Jan 23, 1995	8.43	R	Mar 27	5.81	R	May 28	9.27	R	Jul 28	6.79	R
Feb 27	6.18	R	Apr 29	6.22	R	Jun 30	9.93	R	Aug 24	7.45	R
Mar 30	4.59	R	May 30	6.83	R	Jul 30	10.74	R	Sep 26	7.94	R
Apr 25	5.89	R									

HIGHEST	4.59	Mar 30, 1995
LOWEST	11.62	Sep 23, 1997

State well number 008N004W20Q010S
Site identification number 344546117190104
Common name HELENDALE 2-160
Northeast of Silver Lakes. Drilled observation well. Diameter 2 inches, depth measured 160.2 feet in 1996, perforated 140–160 feet. Altitude of land-surface datum 2,397.3 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1994.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 13, 1994	8.79	V	May 24, 1995	6.05	V	Jul 02, 1996	7.70	R	Aug 29, 1997	10.95	R
Jan 25	7.60	V	Jun 05	6.36	V	Jul 31	7.80	R	Sep 23	11.22	R
Mar 12	6.42	V	Jun 26	6.85	R	Aug 21	8.23	R	Nov 07	10.22	R
Apr 12	7.22	V	Jul 25	7.66	R	Sep 26	9.52	R	Nov 27	9.78	R
Jun 08	8.17	R	Aug 28	8.47	R	Oct 22	9.66	R	Dec 30	9.25	R
Jul 26	9.82	R	Sep 25	9.00	R	Nov 27	8.66	R	Jan 29, 1998	9.02	R
Aug 22	10.78	R	Oct 30	8.32	R	Jan 02, 1997	8.31	R	Mar 02	6.77	R
Sep 26	10.85	R	Nov 27	8.60	R	Jan 30	7.98	R	Mar 27	5.63	R
Oct 24	9.80	R	Dec 18	7.92	R	Feb 27	7.19	R	Apr 23	5.36	R
Nov 28	9.15	R	Jan 31, 1996	7.61	R	Mar 27	7.73	R	May 26	5.46	R
Dec 19	9.05	R	Feb 29	6.97	R	Apr 29	8.23	R	Jun 25	5.33	R
Jan 23, 1995	7.44	R	Mar 27	5.80	R	May 28	8.94	R	Jul 28	5.60	R
Feb 27	6.10	R	Apr 29	6.08	R	Jun 30	9.61	R	Aug 24	7.22	R
Mar 30	4.47	R	May 30	6.61	R	Jul 30	10.36	R	Sep 26	7.70	R
Apr 25	5.61	R									

HIGHEST	4.47	Mar 30, 1995
LOWEST	11.22	Sep 23, 1997

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 008N004W20Q011S
Site identification number 344546117190105
Common name HELENDALE 2-50
Northeast of Silver Lakes. Drilled observation well. Diameter 2 inches, depth measured 51.9 feet in 1996, perforated 30–50 feet. Altitude of land-surface datum 2,397.3 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1994.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 13, 1994	8.00	V	May 24, 1995	5.13	R	Jul 02, 1996	7.10	R	Aug 29, 1997	9.91	R
Jan 25	8.05	V	Jun 05	5.38	V	Jul 31	7.75	R	Sep 23	10.21	R
Mar 12	6.50	V	Jun 26	5.81	R	Aug 21	8.97	R	Nov 07	10.45	R
Apr 12	6.54	V	Jul 25	6.56	R	Sep 26	8.86	R	Nov 27	10.46	R
Jun 08	7.10	R	Aug 28	7.40	R	Oct 22	9.18	R	Dec 30	10.28	R
Jul 26	8.10	R	Sep 25	8.01	R	Nov 27	9.30	R	Jan 29, 1998	10.17	R
Aug 22	8.67	R	Oct 30	8.42	R	Jan 02, 1997	10.10	R	Mar 02	8.19	R
Sep 26	9.24	R	Nov 27	8.28	R	Jan 30	9.24	R	Mar 27	6.68	R
Oct 24	9.49	R	Dec 18	8.61	R	Feb 27	8.27	R	Apr 23	5.81	R
Nov 28	9.59	R	Jan 31, 1996	8.61	R	Mar 27	7.91	R	May 26	5.27	R
Dec 19	9.59	R	Feb 29	8.26	R	Apr 29	7.97	R	Jun 25	5.55	R
Jan 23, 1995	8.86	R	Mar 27	6.75	R	May 28	8.41	R	Jul 28	6.50	R
Feb 27	6.48	R	Apr 29	6.09	R	Jun 30	8.96	R	Aug 24	7.15	R
Mar 30	5.19	R	May 30	6.41	R	Jul 30	9.48	R	Sep 26	7.67	R
Apr 25	5.00	R									

HIGHEST	5.00	Apr 25, 1995
LOWEST	10.46	Nov 27, 1997

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 008N004W20Q012S
Site identification number 344546117185901
Common name CHERIES
In Helendale, east of Helendale road and Smithson road intersection. Drilled observation well. Diameter 4.5 inches, depth measured 139.1 feet in 1997, perforated 99.5–139.5 feet. Altitude of land-surface datum 2,397.3 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1994.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 25, 1994	7.34	V	Feb 27, 1995	5.74	R	Apr 29, 1996	5.60	R	Jul 30, 1997	9.63	R
Jan 27	7.74	V	Mar 30	4.25	R	May 30	6.07	R	Aug 29	10.18	R
Mar 12	6.03	V	Apr 25	4.96	R	Jul 02	7.06	R	Sep 23	10.45	R
Apr 12	6.54	V	May 24	5.31	R	Jul 31	7.70	R	Nov 07	9.54	R
Jun 08	7.42	V	Jun 05	5.63	V	Aug 21	8.27	R	Nov 27	9.60	R
Jul 25	8.88	V	Jun 26	6.04	R	Sep 26	8.86	R	Dec 30	9.18	R
Jul 26	8.88	R	Jul 25	6.84	R	Oct 22	9.07	R	Jan 29, 1998	9.00	R
Aug 22	9.69	R	Aug 28	7.65	R	Nov 27	8.44	R	Mar 02	6.80	R
Sep 26	9.97	R	Sep 25	8.21	R	Jan 02, 1997	8.21	R	Mar 27	5.52	R
Sep 27	9.97	V	Oct 30	7.91	R	Jan 30	7.96	R	Apr 23	7.02	R
Oct 24	9.29	R	Nov 27	7.96	R	Feb 27	7.12	R	May 26	4.92	R
Nov 28	8.87	R	Dec 18	7.73	R	Mar 27	4.34	R	Jul 28	6.15	R
Nov 29	8.87	V	Jan 31, 1996	7.14	R	Apr 29	7.68	R	Aug 24	6.74	R
Dec 19	8.80	R	Feb 29	6.96	R	May 28	8.30	R	Sep 26	7.28	R
Jan 23, 1995	7.45	R	Mar 27	5.65	R	Jun 30	8.96	R			

HIGHEST	4.25	Mar 30, 1995
LOWEST	10.45	Sep 23, 1997

State well number 008N004W29E003S
Site identification number 344524117193401
Common name HELENDALE 3-1
In Helendale. Drilled observation well. Diameter 2 inches, depth measured 309.1 feet in 1996, perforated 289–309 feet. Altitude of land-surface datum 2,409.49 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1995.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 19, 1995	20.34	V	Oct 30, 1995	21.75	R	Oct 22, 1996	24.23	R	Nov 07, 1997	23.58	R
Mar 03	21.30	R	Nov 27	20.85	R	Nov 27	21.67	R	Nov 27	22.32	R
Mar 07	21.30	R	Dec 18	19.88	R	Jan 02, 1997	20.52	R	Dec 30	20.77	R
Mar 30	19.27	R	Jan 31, 1996	18.69	R	Jan 30	19.25	R	Jan 29, 1998	19.99	R
Apr 25	20.55	R	Feb 29	18.30	R	Feb 27	19.22	R	Mar 02	18.75	R
Apr 26	20.61	V	Mar 27	17.82	R	Mar 27	20.74	R	Mar 27	18.49	R
May 24	22.38	R	Apr 29	19.39	R	Apr 29	22.28	R	Apr 23	18.55	R
Jun 05	22.06	V	May 30	19.86	R	May 29	23.73	R	May 26	20.12	R
Jun 26	22.18	R	Jul 02	22.52	R	Jun 30	24.48	R	Jun 25	20.15	R
Jul 25	23.12	R	Jul 31	23.08	R	Jul 30	25.62	R	Jul 28	21.58	R
Aug 28	23.69	R	Aug 21	23.68	R	Aug 29	26.45	R	Aug 24	22.25	R
Sep 25	23.74	R	Sep 26	23.94	R	Sep 23	26.14	R	Sep 26	22.31	R

HIGHEST	17.82	Mar 27, 1996
LOWEST	26.45	Aug 29, 1997

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 008N004W29E004S
Site identification number 344524117193402
Common name HELENDALE 3-2
In Helendale. Drilled observation well. Diameter 2 inches, depth measured 210.4 feet in 1996, perforated 190–210 feet. Altitude of land-surface datum 2,409.49 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1995.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 19, 1995	20.70	V	Nov 27, 1995	20.30	R	Nov 27, 1996	20.67	R	Nov 27, 1997	21.37	R
Mar 07	20.44	R	Dec 18	19.28	R	Jan 02, 1997	19.66	R	Dec 30	20.00	R
Mar 30	18.43	R	Jan 31, 1996	18.18	R	Jan 30	18.57	R	Jan 29, 1998	19.33	R
Apr 25	20.03	R	Feb 29	17.84	R	Feb 27	18.57	R	Mar 02	18.14	R
Apr 26	20.10	V	Mar 27	17.36	R	Mar 27	20.20	R	Mar 27	17.72	R
May 24	21.63	R	Apr 29	18.96	R	Apr 29	21.42	R	Apr 23	17.85	R
Jun 05	21.43	V	May 30	20.14	R	May 29	22.89	R	May 26	19.27	R
Jun 26	21.66	R	Jul 02	21.73	R	Jun 30	23.61	R	Jun 25	19.03	R
Jul 25	22.55	R	Jul 31	24.23	R	Jul 30	24.78	R	Jul 28	20.48	R
Aug 28	23.10	R	Aug 21	22.92	R	Aug 29	25.60	R	Aug 24	20.95	R
Sep 25	23.24	R	Sep 26	23.24	R	Sep 23	25.67	R	Sep 26	21.05	R
Oct 30	21.10	R	Oct 22	23.40	R	Nov 07	22.70	R			

HIGHEST	17.36	Mar 27, 1996
LOWEST	25.67	Sep 23, 1997

State well number 008N004W29E005S
Site identification number 344524117193403
Common name HELENDALE 3-3
In Helendale. Drilled observation well. Diameter 2 inches, depth measured 131.3 feet in 1996, perforated 110–130 feet. Altitude of land-surface datum 2,409.49 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1995.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 19, 1995	18.50	V	Dec 18, 1995	17.90	R	Jan 02, 1997	18.01	R	Nov 27, 1997	19.92	R
Mar 07	18.60	R	Jan 31, 1996	17.06	R	Jan 30	17.53	R	Dec 30	18.85	R
Apr 25	18.42	R	Feb 29	16.93	R	Feb 27	17.48	R	Jan 29, 1998	18.36	R
Apr 26	18.90	V	Mar 27	16.67	R	Mar 27	19.43	R	Mar 02	17.36	R
May 24	19.31	R	Apr 29	18.21	R	Apr 29	20.31	R	Mar 27	16.59	R
Jun 05	19.18	V	May 30	18.28	R	May 29	21.02	R	Apr 23	17.24	R
Jun 26	19.95	R	Jul 02	20.12	R	Jun 30	22.11	R	May 26	18.01	R
Jul 25	20.58	R	Jul 31	20.60	R	Jul 30	23.27	R	Jun 25	17.00	R
Aug 28	21.31	R	Aug 21	21.36	R	Aug 29	24.08	R	Jul 28	18.80	R
Sep 25	21.66	R	Sep 26	21.83	R	Sep 23	24.35	R	Aug 24	19.23	R
Oct 30	19.31	R	Oct 22	21.14	R	Nov 07	20.94	R	Sep 26	19.46	R
Nov 27	18.70	R	Nov 27	18.76	R						

HIGHEST	16.59	Mar 27, 1998
LOWEST	24.35	Sep 23, 1997

Table C19. Water-level data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

State well number 008N004W29E006S
Site identification number 344524117193404
Common name HELENDALE 3-4
In Helendale. Drilled observation well. Diameter 2 inches, depth measured 41.6 feet in 1996, perforated 30–40 feet. Altitude of land-surface datum 2,409.49 feet. Reported measurements provided by Mojave Water Agency. Water-level records available since 1995.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS	DATE	WATER LEVEL	MS
Jan 19, 1995	15.23	V	Nov 27, 1995	14.75	R	Nov 27, 1996	15.26	R	Nov 27, 1997	16.38	R
Mar 07	12.14	R	Dec 18	14.58	R	Jan 02, 1997	15.02	R	Dec 30	15.80	R
Mar 30	10.93	R	Jan 31, 1996	14.33	R	Jan 30	14.90	R	Jan 29, 1998	15.55	R
Apr 25	11.17	R	Feb 29	14.08	R	Feb 27	13.82	R	Mar 02	13.26	R
Apr 26	11.20	V	Mar 27	12.31	R	Mar 27	13.39	R	Mar 27	11.96	R
May 24	11.52	R	Apr 29	11.83	R	Apr 29	13.63	R	Apr 23	11.40	R
Jun 05	11.77	V	May 30	12.25	R	May 29	14.41	R	May 26	11.24	R
Jun 26	12.28	R	Jul 02	13.28	R	Jun 30	15.23	R	Jun 25	11.25	R
Jul 25	13.18	R	Jul 31	14.11	R	Jul 30	16.10	R	Jul 28	12.28	R
Aug 28	14.14	R	Aug 21	14.72	R	Aug 29	16.76	R	Aug 24	13.06	R
Sep 25	14.78	R	Sep 26	15.36	R	Sep 23	17.16	R	Sep 26	13.80	R
Oct 30	14.76	R	Oct 22	15.70	R	Nov 07	16.68	R			

HIGHEST	10.93	Mar 30, 1995
LOWEST	17.16	Sep 23, 1997

Table C20. Water-quality data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California

[All data were analyzed at U.S. Geological Survey laboratories. Location of sites shown in figure C1. Numbering systems for sites are explained in text. µS/cm, microsiemens per centimeter; ºC, degrees Celsius; mg/L, milligrams per liter; µg/L, micrograms per liter. —, no data; <, actual value is less than value shown]

Common name	State well No.	Site identification No.	Date	Time	Temperature, water (°C)	Temperature, air (°C)	Depth below land surface (water level) (feet)
A1-1	006N004W18N002S	343604117204501	02-04-97	1500	10.3	23.4	2.52
A1-2	006N004W18N003S	343604117204502	02-04-97	1500	10.4	23.4	2.61
Lower Narrows	006N004W30J005S	343435117195501	02-07-97	1015	17.5	15.0	8.31
C1-1	006N005W01B004S	343842117210501	02-06-97	1110	16.4	23.5	8.11
C1-2	006N005W01B005S	343842117210502	02-05-97	1110	16.2	23.5	8.16
C2-1	006N005W01B006S	343842117211101	02-06-97	1200	17.1	16.5	7.16
C2-2	006N005W01B007S	343842117211102	02-06-97	1200	16.6	16.5	6.87
C3-1	006N005W01B008S	343842117211801	02-07-97	1200	18.1	—	8.22
C3-2	006N005W01B009S	343842117211802	02-07-97	1200	17.6	—	8.22
C4-1	006N005W01C001S	343840117212701	02-04-97	1200	20.4	27.1	7.46
C4-2	006N005W01C002S	343840117212702	02-04-97	1205	20.2	27.1	7.46
EPA IV-B	006N005W01K001S	343815117211101	02-21-96	1420	16.0	13.5	7.62
			08-01-96	1145	19.0	38.5	8.72
			02-07-97	1700	16.5	12.0	7.85
EPA IV-A1	006N005W01L001S	343815117211901	02-28-96	1025	16.0	7.0	11.23
			02-28-96	1035	16.0	7.0	11.23
			07-31-96	1700	18.3	37.0	12.01
EPA IV-A2	006N005W01L002S	343815117211902	02-22-96	0945	13.5	9.0	10.86
			07-31-96	1510	19.0	43.0	9.47
			02-06-97	1600	16.0	21.0	9.36
EPA VI	006N005W12F001S	343726117213001	02-29-96	0845	19.5	7.0	—
			08-01-96	0920	21.0	36.0	—
EPA II-1	006N005W12G002S	343733117210801	02-27-96	1350	15.0	10.0	11.30
			07-24-96	1130	20.0	39.5	12.00
			02-05-97	1515	17.6	24.5	12.04
EPA II-2	006N005W12G003S	343733117210802	02-16-96	1010	16.5	19.5	12.34
			07-24-96	1100	19.5	36.5	11.98
EPA III	006N005W12G004S	343730117210401	02-27-96	1150	15.0	13.5	10.49
			07-24-96	1320	19.0	38.0	10.70
			02-05-97	1640	17.3	21.5	10.76
B1-1	006N005W12H002S	343723117205401	02-05-97	1030	17.5	18.5	19.48
B1-2	006N005W12H003S	343723117205402	02-05-97	1030	18.4	17.5	19.53
B2-1	006N005W12H004S	343723117205601	02-05-97	1145	16.7	24.5	10.81
B2-2	006N005W12H005S	343723117205602	02-05-97	1145	16.2	24.5	10.91
B3-1	006N005W12K004S	343723117210401	02-05-97	1325	16.7	24.0	11.59
B3-2	006N005W12K005S	343723117210402	02-05-97	1330	16.9	24.0	11.54
EPA VII	006N005W12L005S	343721117213001	02-28-96	1415	19.5	11.0	57.69
			07-31-96	1100	21.0	35.0	56.51
EPA I-1	006N005W13B001S	343655117210701	02-15-96	1600	19.0	24.0	5.47
			07-16-96	1450	19.0	30.0	6.12
			02-07-97	1210	18.1	19.5	5.79
EPA I-2	006N005W13B002S	343655117210702	02-15-96	1400	18.0	28.0	6.07
			07-16-96	1340	19.0	29.0	6.46
A2-1	006N005W24A002S	343559117210101	02-04-97	1700	15.8	20.1	3.81
A2-2	006N005W24A003S	343559117210102	02-04-97	1700	13.4	20.1	3.83
B-2	007N004W06F005S	344334117202701	10-16-97	1600	17.4	29.6	18.64
B-3	007N004W06F006S	344334117203001	10-16-97	1400	18.5	32.1	8.22
Daily-594	007N004W19Q005S	344030117201101	06-17-92	1000	25.5	21.5	—
			01-14-93	1120	24.5	10.5	64.95
Daily-276	007N004W19Q006S	344030117201102	06-17-92	1230	24.5	26.0	—
			01-14-93	1630	23.5	11.5	78.82

Table C20. Water-quality data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Common name	Date	Time	Specific conductance (µS/cm)	Oxygen, dissolved (mg/L)	pH water whole field (standard units)	ANC water unfltred fet field mg/L as $CaCO_3$	Alkalinity wat dis fix end field $CaC0_3$ (mg/L)	Alkalinity wat dis tot it field mg/L as $CaCO_3$	Carbonate wat.dis fet field CO_3 (mg/L)
A1-1	02-04-97	1500	522	4.8	7.8	—	—	—	—
A1-2	02-04-97	1500	478	9.1	7.8	—	—	—	—
Lower Narrows	02-07-97	1015	584	13.4	7.6	—	—	—	—
C1-1	02-06-97	1110	806	.3	7.4	—	—	—	—
C1-2	02-05-97	1110	1,160	1.3	7.4	—	—	—	—
C2-1	02-06-97	1200	742	.2	7.3	—	—	—	—
C2-2	02-06-97	1200	832	<.2	7.1	—	—	—	—
C3-1	02-07-97	1200	802	.5	7.3	—	—	—	—
C3-2	02-07-97	1200	1,530	<.2	6.9	—	—	—	—
C4-1	02-04-97	1200	514	1.8	8.3	—	—	—	—
C4-2	02-04-97	1205	509	.3	8.0	—	—	—	—
EPA IV-B	02-21-96	1420	768	<.2	7.5	—	160	—	—
	08-01-96	1145	704	<.2	7.2	—	160	—	—
	02-07-97	1700	756	<.2	7.3	—	—	—	—
EPA IV-A1	02-28-96	1025	514	.4	7.2	—	150	—	—
	02-28-96	1035	514	.4	7.2	—	150	—	—
	07-31-96	1700	522	<.2	7.2	—	150	—	—
EPA IV-A2	02-22-96	0945	682	1.0	7.5	—	130	—	—
	07-31-96	1510	730	.2	7.2	—	140	—	—
	02-06-97	1600	731	.2	7.3	—	—	—	—
EPA VI	02-29-96	0845	872	—	7.9	—	91	—	—
	08-01-96	0920	520	—	7.8	—	91	—	—
EPA II-1	02-27-96	1350	850	—	7.2	—	210	—	—
	07-24-96	1130	722	—	7.5	—	130	—	—
	02-05-97	1515	753	<.2	7.3	—	—	—	—
EPA II-2	02-16-96	1010	792	.2	7.3	—	200	—	—
	07-24-96	1100	726	<.2	7.3	—	150	—	—
EPA III	02-27-96	1150	865	<.2	7.2	—	180	—	—
	07-24-96	1320	810	<.2	7.2	—	150	—	—
	02-05-97	1640	708	<.2	7.4	—	—	—	—
B1-1	02-05-97	1030	1,160	<.2	7.0	—	—	—	—
B1-2	02-05-97	1030	1,170	.4	7.0	—	—	—	—
B2-1	02-05-97	1145	1,040	<.2	7.1	—	—	—	—
B2-2	02-05-97	1145	1,040	.4	7.1	—	—	—	—
B3-1	02-05-97	1325	797	.9	7.0	—	—	—	—
B3-2	02-05-97	1330	819	.8	7.0	—	—	—	—
EPA VII	02-28-96	1415	495	—	7.8	—	91	—	—
	07-31-96	1100	455	—	8.3	—	92	—	—
EPA I-1	02-15-96	1600	661	.4	7.4	—	160	—	—
	07-16-96	1450	754	—	7.5	—	120	—	—
	02-07-97	1210	786	.4	7.2	—	—	—	—
EPA I-2	02-15-96	1400	580	<.2	7.1	—	120	—	—
	07-16-96	1340	600	<.2	7.3	—	160	—	—
A2-1	02-04-97	1700	1,120	<.2	7.2	—	—	—	—
A2-2	02-04-97	1700	551	5.4	7.1	—	—	—	—
B-2	10-16-97	1600	1,100	.4	7.0	—	180	178	—
B-3	10-16-97	1400	746	3.6	7.4	—	150	154	—
Daily-594	06-17-92	1000	954	—	8.1	—	140	136	—
	01-14-93	1120	952	—	8.2	—	140	143	—
Daily-276	06-17-92	1230	680	—	7.8	—	170	166	—
	01-14-93	1630	684	—	8.1	—	150	150	—

Table C20. Water-quality data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Common name	Date	Time	Carbonate water dis it field mg/L as HCO_3	Nitrogen, ammonia dissolved (mg/Las N)	Nitrogen, nitrite dissolved (mg/L as N)	Nitrogen, ammonia + organic dissolved (mg/L as N)	Nitrogen, NO_2+NO_3 dissolved (mg/Las N)	Phosphorus dissolved (mg/Las P)	Phosphorus ortho, dissolved (mg/Las P)
A1-1	02-04-97	1500	—	—	—	—	—	—	—
A1-2	02-04-97	1500	—	—	—	—	—	—	—
Lower Narrows	02-07-97	1015	—	—	—	—	—	—	—
C1-1	02-06-97	1110	—	—	—	—	—	—	—
C1-2	02-05-97	1110	—	—	—	—	—	—	—
C2-1	02-06-97	1200	—	—	—	—	—	—	—
C2-2	02-06-97	1200	—	—	—	—	—	—	—
C3-1	02-07-97	1200	—	—	—	—	—	—	—
C3-2	02-07-97	1200	—	—	—	—	—	—	—
C4-1	02-04-97	1200	—	—	—	—	—	—	—
C4-2	02-04-97	1205	—	—	—	—	—	—	—
EPA IV-B	02-21-96	1420	—	0.130	<0.010	0.30	<0.050	1.30	1.00
	08-01-96	1145	—	.130	<.010	<.20	<.050	1.40	1.00
	02-07-97	1700	—	—	—	—	—	—	—
EPA IV-A1	02-28-96	1025	—	.120	<.010	<.20	<.050	.110	.100
	02-28-96	1035	—	.110	<.010	<.20	<.050	.100	.100
	07-31-96	1700	—	.160	<.010	<.20	<.050	.140	.150
EPA IV-A2	02-22-96	0945	—	.030	.030	<.20	.500	.540	.440
	07-31-96	1510	—	.040	<.010	<.20	<.050	.470	.280
	02-06-97	1600	—	—	—	—	—	—	—
EPA VI	02-29-96	0845	—	—	—	—	—	—	—
	08-01-96	0920	—	—	—	—	—	—	—
EPA II-1	02-27-96	1350	—	—	—	—	—	—	—
	07-24-96	1130	—	.200	.010	.40	.080	.040	.070
	02-05-97	1515	—	—	—	—	—	—	—
EPA II-2	02-16-96	1010	—	.120	<.010	.20	<.050	.250	.260
	07-24-96	1100	—	.170	.010	.30	.080	.070	.120
EPA III	02-27-96	1150	—	—	—	—	—	—	—
	07-24-96	1320	—	.150	.010	<.20	.080	.050	.090
	02-05-97	1640	—	—	—	—	—	—	—
B1-1	02-05-97	1030	—	—	—	—	—	—	—
B1-2	02-05-97	1030	—	—	—	—	—	—	—
B2-1	02-05-97	1145	—	—	—	—	—	—	—
B2-2	02-05-97	1145	—	—	—	—	—	—	—
B3-1	02-05-97	1325	—	—	—	—	—	—	—
B3-2	02-05-97	1330	—	—	—	—	—	—	—
EPA VII	02-28-96	1415	—	—	—	—	—	—	—
	07-31-96	1100	—	—	—	—	—	—	—
EPA I-1	02-15-96	1600	—	.110	<.010	<.20	<.050	.090	.090
	07-16-96	1450	—	.180	<.010	<.20	.080	.160	.140
	02-07-97	1210	—	—	—	—	—	—	—
EPA I-2	02-15-96	1400	—	.110	<.010	<.20	<.050	.090	.090
	07-16-96	1340	—	.160	.010	<.20	.080	.050	.040
A2-1	02-04-97	1700	—	—	—	—	—	—	—
A2-2	02-04-97	1700	—	—	—	—	—	—	—
B-2	10-16-97	1600	—	.023	<.010	<.20	.085	.019	.029
B-3	10-16-97	1400	—	.016	.016	<.20	.574	.360	.372
Daily-594	06-17-92	1000	—	.030	<.010	<.20	.170	.090	.080
	01-14-93	1120	—	.010	.020	<.20	.200	.040	.050
Daily-276	06-17-92	1230	—	.030	<.010	<.20	.230	2.80	1.10
	01-14-93	1630	—	<.010	.020	<.20	.250	.080	.090

Table C20. Water-quality data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Common name	Date	Time	Calcium dissolved (mg/L as Ca)	Magnesium, dissolved (mg/L as Mg)	Sodium, dissolved (mg/L as Na	Potassium, dissolved (mg/L as K)	Chloride, dissolved (mg/L as Cl)	Sulfate dissolved (mg/L as SO_4)
A1-1	02-04-97	1500	—	—	—	—	—	—
A1-2	02-04-97	1500	—	—	—	—	—	—
Lower Narrows	02-07-97	1015	—	—	—	—	—	—
C1-1	02-06-97	1110	—	—	—	—	—	—
C1-2	02-05-97	1110	—	—	—	—	—	—
C2-1	02-06-97	1200	—	—	—	—	—	—
C2-2	02-06-97	1200	—	—	—	—	—	—
C3-1	02-07-97	1200	—	—	—	—	—	—
C3-2	02-07-97	1200	—	—	—	—	—	—
C4-1	02-04-97	1200	—	—	—	—	—	—
C4-2	02-04-97	1205	—	—	—	—	—	—
EPA IV-B	02-21-96	1420	50	10	93	3.7	73	100
	08-01-96	1145	42	7.7	83	3.3	65	83
	02-07-97	1700	—	—	—	—	—	—
EPA IV-A1	02-28-96	1025	43	7.9	48	2.9	30	55
	02-28-96	1035	45	8.1	49	3.0	29	55
	07-31-96	1700	45	7.0	44	1.9	29	61
EPA IV-A2	02-22-96	0945	37	6.7	91	5.5	72	85
	07-31-96	1510	42	6.8	86	6.2	79	88
	02-06-97	1600	—	—	—	—	—	—
EPA VI	02-29-96	0845	37	12	120	8.6	130	130
	08-01-96	0920	23	4.4	68	4.0	18	120
EPA II-1	02-27-96	1350	57	9.9	100	4.3	72	96
	07-24-96	1130	40	6.5	91	4.6	71	79
	02-05-97	1515	—	—	—	—	—	—
EPA II-2	02-16-96	1010	54	9.1	100	4.3	69	90
	07-24-96	1100	—	—	—	—	—	—
EPA III	02-27-96	1150	63	12	100	3.7	69	150
	07-24-96	1320	55	11	94	3.7	54	140
	02-05-97	1640	—	—	—	—	—	—
B1-1	02-05-97	1030	—	—	—	—	—	—
B1-2	02-05-97	1030	—	—	—	—	—	—
B2-1	02-05-97	1145	—	—	—	—	—	—
B2-2	02-05-97	1145	—	—	—	—	—	—
B3-1	02-05-97	1325	—	—	—	—	—	—
B3-2	02-05-97	1330	—	—	—	—	—	—
EPA VII	02-28-96	1415	19	3.3	74	4.4	19	110
	07-31-96	1100	21	2.9	64	2.7	5.2	110
EPA I-1	02-15-96	1600	46	6.6	63	2.0	52	75
	07-16-96	1450	64	10	76	2.2	64	100
	02-07-97	1210	—	—	—	—	—	—
EPA I-2	02-15-96	1400	—	—	—	—	—	—
	07-16-96	1340	49	6.8	65	2.1	55	85
A2-1	02-04-97	1700	—	—	—	—	—	—
A2-2	02-04-97	1700	—	—	—	—	—	—
B-2	10-16-97	1600	120	19	84	3.4	62	310
B-3	10-16-97	1400	42	7.5	93	5.5	81	91
Daily-594	06-17-92	1000	13	.83	180	3.1	85	170
	01-14-93	1120	13	.73	180	2.8	78	180
Daily-276	06-17-92	1230	18	1.5	130	2.6	49	92
	01-14-93	1630	17	1.1	130	2.4	46	97

Table C20. Water-quality data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Common name	Date	Time	Fluoride, dissolved (mg/L as F)	Silica, dissolved (mg/L as SiO_2)	Solids, residue at 180 °C dissolved (mg/L)	Iodide, dissolved (mg/L as I)	Bromide dissolved (mg/L as Br)	Arsenic dissolved (µg/L as As)
A1-1	02-04-97	1500	—	—	—	—	—	—
A1-2	02-04-97	1500	—	—	—	—	—	—
Lower Narrows	02-07-97	1015	—	—	—	—	—	—
C1-1	02-06-97	1110	—	—	—	—	—	—
C1-2	02-05-97	1110	—	—	—	—	—	—
C2-1	02-06-97	1200	—	—	—	—	—	—
C2-2	02-06-97	1200	—	—	—	—	—	—
C3-1	02-07-97	1200	—	—	—	—	—	—
C3-2	02-07-97	1200	—	—	—	—	—	—
C4-1	02-04-97	1200	—	—	—	—	—	—
C4-2	02-04-97	1205	—	—	—	—	—	—
EPA IV-B	02-21-96	1420	0.60	31	489	0.017	0.15	<1
	08-01-96	1145	.80	29	427	.015	.12	<1
	02-07-97	1700	—	—	—	—	—	—
EPA IV-A1	02-28-96	1025	.70	29	335	.010	.080	14
	02-28-96	1035	.70	29	335	.009	.080	15
	07-31-96	1700	.70	29	320	.009	.070	12
EPA IV-A2	02-22-96	0945	.60	20	419	.008	.11	<1
	07-31-96	1510	.60	22	431	.013	.10	6
	02-06-97	1600	—	—	—	—	—	—
EPA VI	02-29-96	0845	.90	21	540	.065	.46	6
	08-01-96	0920	1.0	23	326	.015	.060	8
EPA II-1	02-27-96	1350	.50	24	526	.024	.090	3
	07-24-96	1130	.70	24	433	.023	.11	2
	02-05-97	1515	—	—	—	—	—	—
EPA II-2	02-16-96	1010	.50	24	490	.029	.17	1
	07-24-96	1100	—	—	—	—	—	—
EPA III	02-27-96	1150	.70	25	575	.022	.12	<1
	07-24-96	1320	.80	26	513	.016	.10	1
	02-05-97	1640	—	—	—	—	—	—
B1-1	02-05-97	1030	—	—	—	—	—	—
B1-2	02-05-97	1030	—	—	—	—	—	—
B2-1	02-05-97	1145	—	—	—	—	—	—
B2-2	02-05-97	1145	—	—	—	—	—	—
B3-1	02-05-97	1325	—	—	—	—	—	—
B3-2	02-05-97	1330	—	—	—	—	—	—
EPA VII	02-28-96	1415	1.0	25	333	.028	.060	7
	07-31-96	1100	.90	29	295	.003	.030	6
EPA I-1	02-15-96	1600	.60	27	360	.018	.13	13
	07-16-96	1450	.70	32	461	.011	.17	1
	02-07-97	1210	—	—	—	—	—	—
EPA I-2	02-15-96	1400	—	—	—	—	—	—
	07-16-96	1340	.70	26	370	.018	.19	10
A2-1	02-04-97	1700	—	—	—	—	—	—
A2-2	02-04-97	1700	—	—	—	—	—	—
B-2	10-16-97	1600	.34	30	776	.015	.13	2
B-3	10-16-97	1400	.64	19	453	.012	.12	4
Daily-594	06-17-92	1000	4.1	30	592	.017	.12	—
	01-14-93	1120	4.3	31	503	.009	.12	110
Daily-276	06-17-92	1230	1.9	31	428	.005	.090	—
	01-14-93	1630	1.8	32	422	.003	.12	34

Table C20. Water-quality data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Common name	Date	Time	Barium, dissolved (µg/L as Ba)	Boron, dissolved (µg/L as B)	Iron, dissolved (µg/L as Fe)	Manganese, dissolved (µg/L as Mn)	Strontium, dissolved (µg/L as Sr)	Lithium, dissolved (µg/L as Li)	Bromo-dichloro-methane total (µg/L)
A1-1	02-04-97	1500	—	—	—	—	—	—	—
A1-2	02-04-97	1500	—	—	—	—	—	—	—
Lower Narrows	02-07-97	1015	—	—	—	—	—	—	—
C1-1	02-06-97	1110	—	—	—	—	—	—	—
C1-2	02-05-97	1110	—	—	—	—	—	—	—
C2-1	02-06-97	1200	—	—	—	—	—	—	—
C2-2	02-06-97	1200	—	—	—	—	—	—	—
C3-1	02-07-97	1200	—	—	—	—	—	—	—
C3-2	02-07-97	1200	—	—	—	—	—	—	—
C4-1	02-04-97	1200	—	—	—	—	—	—	—
C4-2	02-04-97	1205	—	—	—	—	—	—	—
EPA IV-B	02-21-96	1420	<100	340	2,200	370	500	<10	—
	08-01-96	1145	46	332	1,800	300	420	5	—
	02-07-97	1700	—	—	—	—	—	—	—
EPA IV-A1	02-28-96	1025	<100	110	220	2,300	580	<10	—
	02-28-96	1035	<100	120	270	2,400	580	<10	—
	07-31-96	1700	170	82	140	2,900	650	7	—
EPA IV-A2	02-22-96	0945	<100	300	160	200	410	<10	—
	07-31-96	1510	55	345	420	190	440	9	—
	02-06-97	1600	—	—	—	—	—	—	—
EPA VI	02-29-96	0845	<100	230	<3.0	<1.0	440	20	—
	08-01-96	0920	3.0	152	<3.0	<1.0	380	12	—
EPA II-1	02-27-96	1350	<100	330	120	1,100	630	10	—
	07-24-96	1130	97	337	66	690	500	6	—
	02-05-97	1515	—	—	—	—	—	—	—
EPA II-2	02-16-96	1010	100	340	2,500	990	630	<10	—
	07-24-96	1100	—	—	—	—	—	—	—
EPA III	02-27-96	1150	<100	320	2,200	500	600	<10	—
	07-24-96	1320	65	272	1,900	420	590	4	—
	02-05-97	1640	—	—	—	—	—	—	—
B1-1	02-05-97	1030	—	—	—	—	—	—	—
B1-2	02-05-97	1030	—	—	—	—	—	—	—
B2-1	02-05-97	1145	—	—	—	—	—	—	—
B2-2	02-05-97	1145	—	—	—	—	—	—	—
B3-1	02-05-97	1325	—	—	—	—	—	—	—
B3-2	02-05-97	1330	—	—	—	—	—	—	—
EPA VII	02-28-96	1415	<100	130	22	28	380	10	—
	07-31-96	1100	20	82	<3.0	5.0	470	14	—
EPA I-1	02-15-96	1600	100	170	1,500	1,800	800	<10	—
	07-16-96	1450	170	173	520	1,500	770	<4	—
	02-07-97	1210	—	—	—	—	—	—	—
EPA I-2	02-15-96	1400	—	—	—	—	—	—	—
	07-16-96	1340	240	183	1,800	1,700	830	6	—
A2-1	02-04-97	1700	—	—	—	—	—	—	—
A2-2	02-04-97	1700	—	—	—	—	—	—	—
B-2	10-16-97	1600	178	185	13	315	1,180	13	<.200
B-3	10-16-97	1400	73	355	20	328	401	10	<.200
Daily-594	06-17-92	1000	12	1,000	<3.0	19	—	—	—
	01-14-93	1120	22	930	20	11	180	—	—
Daily-276	06-17-92	1230	17	520	28	31	—	—	—
	01-14-93	1630	35	490	<3.0	<1.0	240	—	—

Table C20. Water-quality data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Common name	Date	Time	Carbon tetrachloride total (µg/L)	1,2-Dichloro-ethane total (µg/L)	Bromo-form total (µg/L)	Chloro-dibromo-methane total (µg/L)	Chloro-form total (µg/L)	Toluene total (µg/L)	Benzene total (µg/L)
A1-1	02-04-97	1500	—	—	—	—	—	—	—
A1-2	02-04-97	1500	—	—	—	—	—	—	—
Lower Narrows	02-07-97	1015	—	—	—	—	—	—	—
C1-1	02-06-97	1110	—	—	—	—	—	—	—
C1-2	02-05-97	1110	—	—	—	—	—	—	—
C2-1	02-06-97	1200	—	—	—	—	—	—	—
C2-2	02-06-97	1200	—	—	—	—	—	—	—
C3-1	02-07-97	1200	—	—	—	—	—	—	—
C3-2	02-07-97	1200	—	—	—	—	—	—	—
C4-1	02-04-97	1200	—	—	—	—	—	—	—
C4-2	02-04-97	1205	—	—	—	—	—	—	—
EPA IV-B	02-21-96	1420	—	—	—	—	—	—	—
	08-01-96	1145	—	—	—	—	—	—	—
	02-07-97	1700	—	—	—	—	—	—	—
EPA IV-A1	02-28-96	1025	—	—	—	—	—	—	—
	02-28-96	1035	—	—	—	—	—	—	—
	07-31-96	1700	—	—	—	—	—	—	—
EPA IV-A2	02-22-96	0945	—	—	—	—	—	—	—
	07-31-96	1510	—	—	—	—	—	—	—
	02-06-97	1600	—	—	—	—	—	—	—
EPA VI	02-29-96	0845	—	—	—	—	—	—	—
	08-01-96	0920	—	—	—	—	—	—	—
EPA II-1	02-27-96	1350	—	—	—	—	—	—	—
	07-24-96	1130	—	—	—	—	—	—	—
	02-05-97	1515	—	—	—	—	—	—	—
EPA II-2	02-16-96	1010	—	—	—	—	—	—	—
	07-24-96	1100	—	—	—	—	—	—	—
EPA III	02-27-96	1150	—	—	—	—	—	—	—
	07-24-96	1320	—	—	—	—	—	—	—
	02-05-97	1640	—	—	—	—	—	—	—
B1-1	02-05-97	1030	—	—	—	—	—	—	—
B1-2	02-05-97	1030	—	—	—	—	—	—	—
B2-1	02-05-97	1145	—	—	—	—	—	—	—
B2-2	02-05-97	1145	—	—	—	—	—	—	—
B3-1	02-05-97	1325	—	—	—	—	—	—	—
B3-2	02-05-97	1330	—	—	—	—	—	—	—
EPA VII	02-28-96	1415	—	—	—	—	—	—	—
	07-31-96	1100	—	—	—	—	—	—	—
EPA I-1	02-15-96	1600	—	—	—	—	—	—	—
	07-16-96	1450	—	—	—	—	—	—	—
	02-07-97	1210	—	—	—	—	—	—	—
EPA I-2	02-15-96	1400	—	—	—	—	—	—	—
	07-16-96	1340	—	—	—	—	—	—	—
A2-1	02-04-97	1700	—	—	—	—	—	—	—
A2-2	02-04-97	1700	—	—	—	—	—	—	—
B-2	10-16-97	1600	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200
B-3	10-16-97	1400	<.200	<.200	<.200	<.200	.255	<.200	<.200
Daily-594	06-17-92	1000	—	—	—	—	—	—	—
	01-14-93	1120	—	—	—	—	—	—	—
Daily-276	06-17-92	1230	—	—	—	—	—	—	—
	01-14-93	1630	—	—	—	—	—	—	—

Table C20. Water-quality data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Common name	Date	Time	Chloro-benzene total (µg/L)	Ethyl-benzene total (µg/L)	Methylene chloride total (µg/L)	Tetrachloro-ethylene total (µg/L)	Trichloro-fluoro-methane total (µg/L)	1,1-Dichloro-ethane total (µg/L)
A1-1	02-04-97	1500	—	—	—	—	—	—
A1-2	02-04-97	1500	—	—	—	—	—	—
Lower Narrows	02-07-97	1015	—	—	—	—	—	—
C1-1	02-06-97	1110	—	—	—	—	—	—
C1-2	02-05-97	1110	—	—	—	—	—	—
C2-1	02-06-97	1200	—	—	—	—	—	—
C2-2	02-06-97	1200	—	—	—	—	—	—
C3-1	02-07-97	1200	—	—	—	—	—	—
C3-2	02-07-97	1200	—	—	—	—	—	—
C4-1	02-04-97	1200	—	—	—	—	—	—
C4-2	02-04-97	1205	—	—	—	—	—	—
EPA IV-B	02-21-96	1420	—	—	—	—	—	—
	08-01-96	1145	—	—	—	—	—	—
	02-07-97	1700	—	—	—	—	—	—
EPA IV-A1	02-28-96	1025	—	—	—	—	—	—
	02-28-96	1035	—	—	—	—	—	—
	07-31-96	1700	—	—	—	—	—	—
EPA IV-A2	02-22-96	0945	—	—	—	—	—	—
	07-31-96	1510	—	—	—	—	—	—
	02-06-97	1600	—	—	—	—	—	—
EPA VI	02-29-96	0845	—	—	—	—	—	—
	08-01-96	0920	—	—	—	—	—	—
EPA II-1	02-27-96	1350	—	—	—	—	—	—
	07-24-96	1130	—	—	—	—	—	—
	02-05-97	1515	—	—	—	—	—	—
EPA II-2	02-16-96	1010	—	—	—	—	—	—
	07-24-96	1100	—	—	—	—	—	—
EPA III	02-27-96	1150	—	—	—	—	—	—
	07-24-96	1320	—	—	—	—	—	—
	02-05-97	1640	—	—	—	—	—	—
B1-1	02-05-97	1030	—	—	—	—	—	—
B1-2	02-05-97	1030	—	—	—	—	—	—
B2-1	02-05-97	1145	—	—	—	—	—	—
B2-2	02-05-97	1145	—	—	—	—	—	—
B3-1	02-05-97	1325	—	—	—	—	—	—
B3-2	02-05-97	1330	—	—	—	—	—	—
EPA VII	02-28-96	1415	—	—	—	—	—	—
	07-31-96	1100	—	—	—	—	—	—
EPA I-1	02-15-96	1600	—	—	—	—	—	—
	07-16-96	1450	—	—	—	—	—	—
	02-07-97	1210	—	—	—	—	—	—
EPA I-2	02-15-96	1400	—	—	—	—	—	—
	07-16-96	1340	—	—	—	—	—	—
A2-1	02-04-97	1700	—	—	—	—	—	—
A2-2	02-04-97	1700	—	—	—	—	—	—
B-2	10-16-97	1600	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200
B-3	10-16-97	1400	<.200	<.200	<.200	<.200	<.200	<.200
Daily-594	06-17-92	1000	—	—	—	—	—	—
	01-14-93	1120	—	—	—	—	—	—
Daily-276	06-17-92	1230	—	—	—	—	—	—
	01-14-93	1630	—	—	—	—	—	—

Table C20. Water-quality data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Common name	Date	Time	1,1-Dichloro-ethylene total (µg/L)	1,1,1-Tri-chloro-ethane total (µg/L)	Benzene O-dichloro-water unfltrd rec (µg/L)	1,2-Di-chloro-propane total (µg/L)	Trans-1,2-di-chloro-ethene total (µg/L)	Benzene 1,3-di-chloro-water unfltrd rec (µg/L)
A1-1	02-04-97	1500	—	—	—	—	—	—
A1-2	02-04-97	1500	—	—	—	—	—	—
Lower Narrows	02-07-97	1015	—	—	—	—	—	—
C1-1	02-06-97	1110	—	—	—	—	—	—
C1-2	02-05-97	1110	—	—	—	—	—	—
C2-1	02-06-97	1200	—	—	—	—	—	—
C2-2	02-06-97	1200	—	—	—	—	—	—
C3-1	02-07-97	1200	—	—	—	—	—	—
C3-2	02-07-97	1200	—	—	—	—	—	—
C4-1	02-04-97	1200	—	—	—	—	—	—
C4-2	02-04-97	1205	—	—	—	—	—	—
EPA IV-B	02-21-96	1420	—	—	—	—	—	—
	08-01-96	1145	—	—	—	—	—	—
	02-07-97	1700	—	—	—	—	—	—
EPA IV-A1	02-28-96	1025	—	—	—	—	—	—
	02-28-96	1035	—	—	—	—	—	—
	07-31-96	1700	—	—	—	—	—	—
EPA IV-A2	02-22-96	0945	—	—	—	—	—	—
	07-31-96	1510	—	—	—	—	—	—
	02-06-97	1600	—	—	—	—	—	—
EPA VI	02-29-96	0845	—	—	—	—	—	—
	08-01-96	0920	—	—	—	—	—	—
EPA II-1	02-27-96	1350	—	—	—	—	—	—
	07-24-96	1130	—	—	—	—	—	—
	02-05-97	1515	—	—	—	—	—	—
EPA II-2	02-16-96	1010	—	—	—	—	—	—
	07-24-96	1100	—	—	—	—	—	—
EPA III	02-27-96	1150	—	—	—	—	—	—
	07-24-96	1320	—	—	—	—	—	—
	02-05-97	1640	—	—	—	—	—	—
B1-1	02-05-97	1030	—	—	—	—	—	—
B1-2	02-05-97	1030	—	—	—	—	—	—
B2-1	02-05-97	1145	—	—	—	—	—	—
B2-2	02-05-97	1145	—	—	—	—	—	—
B3-1	02-05-97	1325	—	—	—	—	—	—
B3-2	02-05-97	1330	—	—	—	—	—	—
EPA VII	02-28-96	1415	—	—	—	—	—	—
	07-31-96	1100	—	—	—	—	—	—
EPA I-1	02-15-96	1600	—	—	—	—	—	—
	07-16-96	1450	—	—	—	—	—	—
	02-07-97	1210	—	—	—	—	—	—
EPA I-2	02-15-96	1400	—	—	—	—	—	—
	07-16-96	1340	—	—	—	—	—	—
A2-1	02-04-97	1700	—	—	—	—	—	—
A2-2	02-04-97	1700	—	—	—	—	—	—
B-2	10-16-97	1600	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200
B-3	10-16-97	1400	<.200	<.200	<.200	<.200	<.200	<.200
Daily-594	06-17-92	1000	—	—	—	—	—	—
	01-14-93	1120	—	—	—	—	—	—
Daily-276	06-17-92	1230	—	—	—	—	—	—
	01-14-93	1630	—	—	—	—	—	—

Table C20. Water-quality data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Common name	Date	Time	Benzene 1,4-di-chloro-water unfltrd rec (µg/L)	Dichloro-difluoro-methane total (µg/L)	Vinyl chloride total (µg/L)	Trichloro-ethylene total (µg/L)	Cis-1,2-di-chloro-ethene water total (µg/L)	Styrene total (µg/L)
A1-1	02-04-97	1500	—	—	—	—	—	—
A1-2	02-04-97	1500	—	—	—	—	—	—
Lower Narrows	02-07-97	1015	—	—	—	—	—	—
C1-1	02-06-97	1110	—	—	—	—	—	—
C1-2	02-05-97	1110	—	—	—	—	—	—
C2-1	02-06-97	1200	—	—	—	—	—	—
C2-2	02-06-97	1200	—	—	—	—	—	—
C3-1	02-07-97	1200	—	—	—	—	—	—
C3-2	02-07-97	1200	—	—	—	—	—	—
C4-1	02-04-97	1200	—	—	—	—	—	—
C4-2	02-04-97	1205	—	—	—	—	—	—
EPA IV-B	02-21-96	1420	—	—	—	—	—	—
	08-01-96	1145	—	—	—	—	—	—
	02-07-97	1700	—	—	—	—	—	—
EPA IV-A1	02-28-96	1025	—	—	—	—	—	—
	02-28-96	1035	—	—	—	—	—	—
	07-31-96	1700	—	—	—	—	—	—
EPA IV-A2	02-22-96	0945	—	—	—	—	—	—
	07-31-96	1510	—	—	—	—	—	—
	02-06-97	1600	—	—	—	—	—	—
EPA VI	02-29-96	0845	—	—	—	—	—	—
	08-01-96	0920	—	—	—	—	—	—
EPA II-1	02-27-96	1350	—	—	—	—	—	—
	07-24-96	1130	—	—	—	—	—	—
	02-05-97	1515	—	—	—	—	—	—
EPA II-2	02-16-96	1010	—	—	—	—	—	—
	07-24-96	1100	—	—	—	—	—	—
EPA III	02-27-96	1150	—	—	—	—	—	—
	07-24-96	1320	—	—	—	—	—	—
	02-05-97	1640	—	—	—	—	—	—
B1-1	02-05-97	1030	—	—	—	—	—	—
B1-2	02-05-97	1030	—	—	—	—	—	—
B2-1	02-05-97	1145	—	—	—	—	—	—
B2-2	02-05-97	1145	—	—	—	—	—	—
B3-1	02-05-97	1325	—	—	—	—	—	—
B3-2	02-05-97	1330	—	—	—	—	—	—
EPA VII	02-28-96	1415	—	—	—	—	—	—
	07-31-96	1100	—	—	—	—	—	—
EPA I-1	02-15-96	1600	—	—	—	—	—	—
	07-16-96	1450	—	—	—	—	—	—
	02-07-97	1210	—	—	—	—	—	—
EPA I-2	02-15-96	1400	—	—	—	—	—	—
	07-16-96	1340	—	—	—	—	—	—
A2-1	02-04-97	1700	—	—	—	—	—	—
A2-2	02-04-97	1700	—	—	—	—	—	—
B-2	10-16-97	1600	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200
B-3	10-16-97	1400	<.200	<.200	<.200	<.200	<.200	<.200
Daily-594	06-17-92	1000	—	—	—	—	—	—
	01-14-93	1120	—	—	—	—	—	—
Daily-276	06-17-92	1230	—	—	—	—	—	—
	01-14-93	1630	—	—	—	—	—	—

Table C20. Water-quality data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Common name	Date	Time	Freon-113 water unfltrd rec (µg/L)	Methyl tertbutyl ether wat unf rec (µg/L)	Ethane 12dicl surrog voc unfltrd rec percent	Toluene d8 surrog voc unfltrd rec percent	Benzene 14brfl-surrog voc unfltrd rec percent	Xylene water unfltrd rec (µg/L)
A1-1	02-04-97	1500	—	—	—	—	—	—
A1-2	02-04-97	1500	—	—	—	—	—	—
Lower Narrows	02-07-97	1015	—	—	—	—	—	—
C1-1	02-06-97	1110	—	—	—	—	—	—
C1-2	02-05-97	1110	—	—	—	—	—	—
C2-1	02-06-97	1200	—	—	—	—	—	—
C2-2	02-06-97	1200	—	—	—	—	—	—
C3-1	02-07-97	1200	—	—	—	—	—	—
C3-2	02-07-97	1200	—	—	—	—	—	—
C4-1	02-04-97	1200	—	—	—	—	—	—
C4-2	02-04-97	1205	—	—	—	—	—	—
EPA IV-B	02-21-96	1420	—	—	—	—	—	—
	08-01-96	1145	—	—	—	—	—	—
	02-07-97	1700	—	—	—	—	—	—
EPA IV-A1	02-28-96	1025	—	—	—	—	—	—
	02-28-96	1035	—	—	—	—	—	—
	07-31-96	1700	—	—	—	—	—	—
EPA IV-A2	02-22-96	0945	—	—	—	—	—	—
	07-31-96	1510	—	—	—	—	—	—
	02-06-97	1600	—	—	—	—	—	—
EPA VI	02-29-96	0845	—	—	—	—	—	—
	08-01-96	0920	—	—	—	—	—	—
EPA II-1	02-27-96	1350	—	—	—	—	—	—
	07-24-96	1130	—	—	—	—	—	—
	02-05-97	1515	—	—	—	—	—	—
EPA II-2	02-16-96	1010	—	—	—	—	—	—
	07-24-96	1100	—	—	—	—	—	—
EPA III	02-27-96	1150	—	—	—	—	—	—
	07-24-96	1320	—	—	—	—	—	—
	02-05-97	1640	—	—	—	—	—	—
B1-1	02-05-97	1030	—	—	—	—	—	—
B1-2	02-05-97	1030	—	—	—	—	—	—
B2-1	02-05-97	1145	—	—	—	—	—	—
B2-2	02-05-97	1145	—	—	—	—	—	—
B3-1	02-05-97	1325	—	—	—	—	—	—
B3-2	02-05-97	1330	—	—	—	—	—	—
EPA VII	02-28-96	1415	—	—	—	—	—	—
	07-31-96	1100	—	—	—	—	—	—
EPA I-1	02-15-96	1600	—	—	—	—	—	—
	07-16-96	1450	—	—	—	—	—	—
	02-07-97	1210	—	—	—	—	—	—
EPA I-2	02-15-96	1400	—	—	—	—	—	—
	07-16-96	1340	—	—	—	—	—	—
A2-1	02-04-97	1700	—	—	—	—	—	—
A2-2	02-04-97	1700	—	—	—	—	—	—
B-2	10-16-97	1600	<0.200	<0.200	118	96.0	86.0	<0.200
B-3	10-16-97	1400	<.200	<.200	120	97.0	90.0	<.200
Daily-594	06-17-92	1000	—	—	—	—	—	—
	01-14-93	1120	—	—	—	—	—	—
Daily-276	06-17-92	1230	—	—	—	—	—	—
	01-14-93	1630	—	—	—	—	—	—

Table C20. Water-quality data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Common name	Date	Time	$^{2}H/^{1}H$ stable isotope ratio per mil	$^{18}O/^{16}O$ stable isotope ratio per mil	Tritium in water molecules (TU)	Tritium water molecules count error (TU)	$^{13}C/^{12}C$ stable isotope ratio per mil	Carbon 14 percent modern
A1-1	02-04-97	1500	—	—	—	—	—	—
A1-2	02-04-97	1500	—	—	—	—	—	—
Lower Narrows	02-07-97	1015	—	—	—	—	—	—
C1-1	02-06-97	1110	—	—	—	—	—	—
C1-2	02-05-97	1110	—	—	—	—	—	—
C2-1	02-06-97	1200	—	—	—	—	—	—
C2-2	02-06-97	1200	—	—	—	—	—	—
C3-1	02-07-97	1200	—	—	—	—	—	—
C3-2	02-07-97	1200	—	—	—	—	—	—
C4-1	02-04-97	1200	—	—	—	—	—	—
C4-2	02-04-97	1205	—	—	—	—	—	—
EPA IV-B	02-21-96	1420	-64.3	-9.00	—	—	—	—
	08-01-96	1145	-65.3	-8.91	—	—	—	—
	02-07-97	1700	—	—	—	—	—	—
EPA IV-A1	02-28-96	1025	-61.9	-8.61	—	—	—	—
	02-28-96	1035	—	—	—	—	—	—
	07-31-96	1700	-60.8	-8.55	—	—	—	—
EPA IV-A2	02-22-96	0945	—	—	—	—	—	—
	07-31-96	1510	-63.7	-8.91	—	—	—	—
	02-06-97	1600	—	—	—	—	—	—
EPA VI	02-29-96	0845	-85.5	-11.80	—	—	—	—
	08-01-96	0920	-85.0	-11.86	—	—	—	—
EPA II-1	02-27-96	1350	-64.0	-8.89	—	—	—	—
	07-24-96	1130	-62.7	-9.03	—	—	—	—
	02-05-97	1515	—	—	—	—	—	—
EPA II-2	02-16-96	1010	-64.2	-9.02	—	—	—	—
	07-24-96	1100	—	—	—	—	—	—
EPA III	02-27-96	1150	-63.0	-8.79	—	—	—	—
	07-24-96	1320	-63.6	-8.81	—	—	—	—
	02-05-97	1640	—	—	—	—	—	—
B1-1	02-05-97	1030	—	—	—	—	—	—
B1-2	02-05-97	1030	—	—	—	—	—	—
B2-1	02-05-97	1145	—	—	—	—	—	—
B2-2	02-05-97	1145	—	—	—	—	—	—
B3-1	02-05-97	1325	—	—	—	—	—	—
B3-2	02-05-97	1330	—	—	—	—	—	—
EPA VII	02-28-96	1415	-88.3	-12.04	—	—	—	—
	07-31-96	1100	-86.4	-12.04	—	—	—	—
EPA I-1	02-15-96	1600	-64.6	-9.26	—	—	—	—
	07-16-96	1450	-65.7	-9.37	—	—	—	—
	02-07-97	1210	—	—	—	—	—	—
EPA I-2	02-15-96	1400	-65.6	-9.27	—	—	—	—
	07-16-96	1340	-64.5	-9.31	—	—	—	—
A2-1	02-04-97	1700	—	—	—	—	—	—
A2-2	02-04-97	1700	—	—	—	—	—	—
B-2	10-16-97	1600	-60.4	-8.23	—	—	—	—
B-3	10-16-97	1400	-61.0	-8.09	—	—	—	—
Daily-594	06-17-92	1000	-82.0	-11.55	0.1	0.1	—	—
	01-14-93	1120	-83.4	-11.60	.0	.1	-10.60	19.4
Daily-276	06-17-92	1230	-69.0	-9.90	.1	.1	—	—
	01-14-93	1630	-69.6	-10.01	.2	.1	-12.30	57.1

Table C20. Water-quality data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Common name	State well No.	Site identification No.	Date	Time	Temperature, water (ºC)	Temperature, air (ºC)	Depth below land surface (water level) (feet)
Daily-150	007N004W19Q007S	344030117201103	06-16-92	1230	23.5	—	88.95
			01-22-93	1200	21.5	—	88.06
			04-10-96	1540	21.0	22.5	87.80
EPA V-A1	007N005W13H001S	344159117205701	04-11-96	1150	14.7	22.0	17.78
			08-02-96	1000	15.5	35.0	21.56
EPA V-A2	007N005W13H002S	344159117205702	03-28-96	0900	16.0	18.8	1.18
			03-28-96	0910	16.0	18.8	1.18
			08-02-96	1030	15.0	36.2	4.46
EPA V-B	007N005W13H003S	344200117205001	03-28-96	1040	13.2	19.3	2.64
			08-02-96	1325	20.0	39.5	5.49
			08-02-96	1326	20.0	39.5	5.49
Older-2 at 740	007N005W23R001S	344036117215201	07-24-92	1250	27.5	34.0	287.75
			06-03-93	1530	28.0	26.0	289.25
Older-2 at 510	007N005W23R002S	344036117215202	07-08-93	1320	28.0	—	291.88
Older-2 at 315	007N005W23R003S	344036117215203	07-23-92	1845	26.5	29.0	245.52
			06-09-93	1436	27.0	32.5	241.00
Older-1 at 550	007N005W24R005S	344028117210601	05-29-92	1220	20.5	26.5	—
			01-15-93	1230	22.5	9.0	71.83
Older-1 at 285	007N005W24R006S	344028117210602	05-29-92	1430	20.0	26.0	—
			01-15-93	1445	20.0	8.5	68.92
Older-1 at 150	007N005W24R007S	344028117210603	05-29-92	1530	18.5	26.5	—
			01-15-93	1545	17.0	8.0	28.93
			03-27-96	1415	18.0	23.0	28.57
Older-1 at 50	007N005W24R008S	344028117210604	05-29-92	1630	18.0	27.5	10.29
			01-15-93	1345	16.0	9.0	7.68
			03-27-96	1530	16.5	22.0	9.04
			02-13-97	1645	18.1	20.0	9.68
Helendale 4-1	008N004W19G001S	344611117200801	01-24-95	1300	22.0	10.0	71.96
			04-27-95	1020	24.9	20.1	71.30
			04-27-95	1030	24.9	20.1	71.30
Helendale 4-2	008N004W19G002S	344611117200802	01-24-95	1000	22.5	10.0	73.38
			04-27-95	1650	24.2	23.8	71.62
Helendale 4-3	008N004W19G003S	344611117200803	01-25-95	1430	21.5	10.5	71.18
			04-27-95	1135	22.3	22.2	70.28
Helendale 4-4	008N004W19G004S	344611117200804	01-25-95	1700	20.0	10.5	71.48
			04-27-95	1325	21.0	25.1	70.38
Helendale 2-460	008N004W20Q007S	344546117190101	01-27-94	1101	21.7	8.3	8.88
Helendale 2-350	008N004W20Q008S	344546117190102	01-24-94	1708	20.0	7.8	8.33
			04-25-95	1730	20.6	27.2	7.25
Helendale 2-270	008N004W20Q009S	344546117190103	01-27-94	1320	19.9	8.1	7.67
Helendale 2-160	008N004W20Q010S	344546117190104	01-27-94	1649	18.5	4.7	7.51
Helendale 2-50	008N004W20Q011S	344546117190105	01-27-94	1458	17.6	7.8	8.01
CHERIES	008N004W20Q012S	344546117185901	01-27-94	1635	18.3	8.2	7.74
Helendale 3-1	008N004W29E003S	344524117193401	01-19-95	1330	18.0	15.5	20.34
			04-26-95	1130	19.7	23.7	20.61
Helendale 3-2	008N004W29E004S	344524117193402	01-20-95	1100	18.0	16.0	—
			04-26-95	1545	20.8	31.1	20.10
Helendale 3-3	008N004W29E005S	344524117193403	01-19-95	1730	17.0	5.0	18.50
			04-26-95	1020	18.1	23.5	18.90
Helendale 3-4	008N004W29E006S	344524117193404	01-20-95	1405	18.0	16.0	15.23
			04-26-95	1410	18.1	30.3	11.20

Table C20. Water-quality data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Common name	Date	Time	Specific conductance (µS/cm)	Oxygen, dissolved (mg/L)	pH water whole field (standard units)	ANC water unfltred fet field mg/L as $CaCO_3$	Alkalinity wat dis fix end field $CaCO_3$ (mg/L)	Alkalinity wat dis tot it field mg/L as $CaCO_3$	Carbonate wat.dis fet field CO_3 (mg/L)
Daily-150	06-16-92	1230	616	—	7.3	—	180	181	—
	01-22-93	1200	657	—	>7.3	—	170	166	—
	04-10-96	1540	780	<.2	7.3	—	—	—	—
EPA V-A1	04-11-96	1150	751	<0.2	7.3	—	190	—	—
	08-02-96	1000	785	<.2	7.1	—	190	—	—
EPA V-A2	03-28-96	0900	690	<.2	7.2	—	130	—	—
	03-28-96	0910	690	<.2	7.2	—	130	—	—
	08-02-96	1030	719	<.2	7.0	—	150	—	—
EPA V-B	03-28-96	1040	622	.4	7.2	—	130	—	—
	08-02-96	1325	694	<.2	7.3	—	140	—	—
	08-02-96	1326	694	<.2	7.3	—	140	—	—
Older-2 at 740	07-24-92	1250	1,530	—	7.8	—	90	90	—
	06-03-93	1530	1,510	—	7.9	—	90	88	—
Older-2 at 510	07-08-93	1320	1,210	—	7.9	—	110	112	—
Older-2 at 315	07-23-92	1845	685	—	7.7	—	180	177	—
	06-09-93	1436	694	—	7.6	—	180	179	—
Older-1 at 550	05-29-92	1220	670	—	7.8	182	—	—	—
	01-15-93	1230	604	—	8.5	—	160	156	6.0
Older-1 at 285	05-29-92	1430	761	—	7.8	—	160	156	—
	01-15-93	1445	716	—	8.4	—	140	142	1.0
Older-1 at 150	05-29-92	1530	697	—	7.4	—	170	168	—
	01-15-93	1545	645	—	7.6	—	150	151	—
	03-27-96	1415	662	.2	7.6	—	150	—	—
Older-1 at 50	05-29-92	1630	876	—	6.9	—	200	194	—
	01-15-93	1345	870	—	7.2	—	190	188	—
	03-27-96	1530	1,020	<.2	7.1	—	190	—	—
	02-13-97	1645	985	.3	7.1	—	—	—	—
Helendale 4-1	01-24-95	1300	1,030	3.0	7.7	—	150	153	—
	04-27-95	1020	1,040	2.6	7.7	—	140	140	—
	04-27-95	1030	1,040	2.6	7.7	—	140	140	—
Helendale 4-2	01-24-95	1000	1,130	3.0	7.3	—	170	161	—
	04-27-95	1650	1,060	2.6	7.6	—	160	156	—
Helendale 4-3	01-25-95	1430	1,620	2.4	7.5	—	120	117	—
	04-27-95	1135	1,590	2.2	7.6	—	110	106	—
Helendale 4-4	01-25-95	1700	3,330	5.2	7.2	—	160	157	—
	04-27-95	1325	3,510	4.0	7.3	—	150	155	—
Helendale 2-460	01-27-94	1101	3,200	.8	7.1	—	96	96	—
Helendale 2-350	01-24-94	1708	2,300	1.2	7.1	—	120	122	—
	04-25-95	1730	2,370	<.2	7.4	—	110	107	—
Helendale 2-270	01-27-94	1320	1,180	2.5	7.3	—	150	148	—
Helendale 2-160	01-27-94	1649	978	.8	7.4	—	200	195	—
Helendale 2-50	01-27-94	1458	1,000	1.2	7.2	—	200	193	—
CHERIES	01-27-94	1635	765	1.2	7.5	—	190	193	—
Helendale 3-1	01-19-95	1330	5,040	.4	7.3	—	70	69	—
	04-26-95	1130	5,060	<.2	7.4	—	59	58	—
Helendale 3-2	01-20-95	1100	3,420	.8	6.9	—	85	84	—
	04-26-95	1545	2,300	.6	6.9	—	78	79	—
Helendale 3-3	01-19-95	1730	935	1.0	7.2	—	170	175	—
	04-26-95	1020	928	<.2	7.4	—	170	171	—
Helendale 3-4	01-20-95	1405	1,000	1.2	7.2	—	170	176	—
	04-26-95	1410	2,090	3.0	7.2	—	200	196	—

Table C20. Water-quality data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Common name	Date	Time	Carbonate water, dis it field mg/L as HCO_3	Nitrogen, ammonia, dissolved (mg/L as N)	Nitrogen, nitrite, dissolved (mg/L as N)	Nitrogen, ammonia + organic, dissolved (mg/L as N)	Nitrogen, NO_2+NO_3, dissolved (mg/L as N)	Phosphorus, dissolved (mg/L as P)	Phosphorus, ortho, dissolved (mg/L as P)
Daily-150	06-16-92	1230	—	0.040	0.010	<0.20	<0.050	5.80	4.30
	01-22-93	1200	—	.030	.020	<.20	<.050	5.40	4.80
	04-10-96	1540	—	<.015	<.010	<.20	<.050	.130	.120
EPA V-A1	04-11-96	1150	—	.130	<.010	.20	<.050	.090	.080
	08-02-96	1000	—	—	—	—	—	—	—
EPA V-A2	03-28-96	0900	—	.020	<.010	<.20	<.050	.190	.180
	03-28-96	0910	—	.020	<.010	<.20	<.050	.170	.170
	08-02-96	1030	—	<.015	<.010	<.20	<.050	.110	.080
EPA V-B	03-28-96	1040	—	<.015	<.010	<.20	<.050	.030	.030
	08-02-96	1325	—	—	—	—	—	—	—
	08-02-96	1326	—	—	—	—	—	—	—
Older-2 at 740	07-24-92	1250	—	.020	<.010	<.20	<.050	.070	.060
	06-03-93	1530	—	.020	<.010	<.20	<.050	.060	.030
Older-2 at 510	07-08-93	1320	—	.040	<.010	<.20	<.050	.170	.170
Older-2 at 315	07-23-92	1845	—	<.010	<.010	<.20	.099	1.80	1.40
	06-09-93	1436	—	.010	<.010	<.20	.100	4.90	4.90
Older-1 at 550	05-29-92	1220	—	.040	.030	.40	.250	8.80	3.70
	01-15-93	1230	4	<.010	.020	<.20	.250	.500	.510
Older-1 at 285	05-29-92	1430	—	.040	.010	.50	.320	3.30	2.30
	01-15-93	1445	1	<.010	.010	<.20	.370	.050	.050
Older-1 at 150	05-29-92	1530	—	.030	<.010	<.20	.170	7.20	4.30
	01-15-93	1545	—	.010	.010	<.20	.110	.520	.530
	03-27-96	1415	—	<.015	<.010	<.20	<.050	.170	.150
Older-1 at 50	05-29-92	1630	—	.100	<.010	.20	<.050	.160	.140
	01-15-93	1345	—	.110	.010	<.20	<.050	.110	.120
	03-27-96	1530	—	.110	<.010	.30	<.050	.120	.110
	02-13-97	1645	—	—	—	—	—	—	—
Helendale 4-1	01-24-95	1300	—	.020	<.010	<.20	.200	.090	.030
	04-27-95	1020	—	<.015	<.010	<.20	.170	.080	.040
	04-27-95	1030	—	—	—	—	—	—	—
Helendale 4-2	01-24-95	1000	—	.040	.010	.30	.310	14.0	1.90
	04-27-95	1650	—	.030	<.010	<.20	.170	4.70	2.10
Helendale 4-3	01-25-95	1430	—	<.015	<.010	<.20	.180	.580	.320
	04-27-95	1135	—	<.015	<.010	<.20	.180	.170	.140
Helendale 4-4	01-25-95	1700	—	.030	<.010	<.20	4.50	1.70	.930
	04-27-95	1325	—	—	—	—	—	—	—
Helendale 2-460	01-27-94	1101	—	.030	<.010	<.20	<.050	1.40	1.20
Helendale 2-350	01-24-94	1708	—	.030	<.010	<.20	.063	3.80	3.40
	04-25-95	1730	—	<.015	<.010	<.20	<.050	1.90	1.80
Helendale 2-270	01-27-94	1320	—	.030	<.010	<.20	<.050	4.80	2.40
Helendale 2-160	01-27-94	1649	—	.030	<.010	<.20	<.050	3.30	2.20
Helendale 2-50	01-27-94	1458	—	.050	<.010	<.20	<.050	4.20	2.60
CHERIES	01-27-94	1635	—	.010	<.010	<.20	<.050	.190	.130
Helendale 3-1	01-19-95	1330	—	.070	<.010	<.20	<.050	.040	.020
	04-26-95	1130	—	.050	<.010	<.20	<.050	<.010	<.010
Helendale 3-2	01-20-95	1100	—	.070	.050	<.20	.190	4.30	2.10
	04-26-95	1545	—	.050	.020	<.20	.070	5.70	4.00
Helendale 3-3	01-19-95	1730	—	<.015	<.010	<.20	.150	.090	.050
	04-26-95	1020	—	<.015	<.010	<.20	.260	.020	.020
Helendale 3-4	01-20-95	1405	—	<.015	<.010	<.20	.060	.970	.530
	04-26-95	1410	—	.030	<.010	<.20	.090	.200	.210

Table C20. Water-quality data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Common name	Date	Time	Calcium dissolved (mg/L as Ca)	Magnesium, dissolved (mg/L as Mg)	Sodium, dissolved (mg/L as Na	Potassium, dissolved (mg/L as K)	Chloride, dissolved (mg/L as Cl)	Sulfate dissolved (mg/L as SO_4)
Daily-150	06-16-92	1230	31	3.9	99	2.7	40	61
	01-22-93	1200	39	4.9	84	2.5	39	63
	04-10-96	1540	—	—	—	—	—	—
EPA V-A1	04-11-96	1150	73	12	60	2.6	53	110
	08-02-96	1000	78	13	58	2.4	53	120
EPA V-A2	03-28-96	0900	42	7.1	85	6.0	71	86
	03-28-96	0910	42	7.1	85	6.0	72	85
	08-02-96	1030	41	6.9	89	5.2	71	92
EPA V-B	03-28-96	1040	37	6.6	79	3.0	59	71
	08-02-96	1325	39	6.8	85	3.7	69	80
	08-02-96	1326	39	6.8	86	3.6	72	80
Older-2 at 740	07-24-92	1250	47	.98	260	4.1	210	300
	06-03-93	1530	50	.70	250	3.7	200	300
Older-2 at 510	07-08-93	1320	32	1.2	220	4.1	150	230
Older-2 at 315	07-23-92	1845	24	2.4	120	2.4	48	98
	06-09-93	1436	22	2.7	140	2.3	48	100
Older-1 at 550	05-29-92	1220	9.9	1.7	130	3.7	49	100
	01-15-93	1230	11	.53	120	2.6	17	110
Older-1 at 285	05-29-92	1430	—	—	—	—	—	—
	01-15-93	1445	8.6	.82	140	2.4	38	140
Older-1 at 150	05-29-92	1530	21	3.1	120	2.9	49	99
	01-15-93	1545	26	2.9	110	2.2	44	100
	03-27-96	1415	27	2.7	110	2.2	41	95
Older-1 at 50	05-29-92	1630	71	11	95	2.1	68	160
	01-15-93	1345	74	11	94	2.1	68	160
	03-27-96	1530	85	13	110	2.2	88	170
	02-13-97	1645	—	—	—	—	—	—
Helendale 4-1	01-24-95	1300	43	2.5	170	3.5	150	130
	04-27-95	1020	43	2.5	170	3.3	150	130
	04-27-95	1030	—	—	—	—	150	—
Helendale 4-2	01-24-95	1000	10	2.6	220	3.8	150	140
	04-27-95	1650	26	3.5	190	4.9	150	140
Helendale 4-3	01-25-95	1430	85	3.0	240	4.1	290	220
	04-27-95	1135	86	2.5	230	3.4	280	230
Helendale 4-4	01-25-95	1700	250	12	480	6.2	640	590
	04-27-95	1325	280	13	510	5.5	680	640
Helendale 2-460	01-27-94	1101	240	29	380	7.9	850	230
Helendale 2-350	01-24-94	1708	150	16	300	6.4	530	170
	04-25-95	1730	160	17	280	6.2	590	170
Helendale 2-270	01-27-94	1320	73	8.2	160	4.2	230	92
Helendale 2-160	01-27-94	1649	72	9.2	130	3.1	78	180
Helendale 2-50	01-27-94	1458	81	13	120	3.6	88	200
CHERIES	01-27-94	1635	58	7.7	95	2.4	56	110
Helendale 3-1	01-19-95	1330	400	17	600	13	1,500	370
	04-26-95	1130	400	16	610	13	1,500	360
Helendale 3-2	01-20-95	1100	190	15	490	12	880	360
	04-26-95	1545	120	10	330	8.6	460	380
Helendale 3-3	01-19-95	1730	98	13	75	2.8	58	220
	04-26-95	1020	95	13	77	2.8	58	220
Helendale 3-4	01-20-95	1405	76	12	110	5.0	77	220
	04-26-95	1410	260	41	160	8.0	130	800

Table C20. Water-quality data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Common name	Date	Time	Fluoride, dissolved (mg/L as F)	Silica, dissolved (mg/L as SiO_2)	Solids, residue at 180 °C dissolved (mg/L)	Iodide, dissolved (mg/L as I)	Bromide dissolved (mg/L as Br)	Arsenic dissolved (µg/L as As)
Daily-150	06-16-92	1230	0.90	34	400	0.008	0.12	—
	01-22-93	1200	.60	29	370	.008	.080	13
	04-10-96	1540	—	—	—	—	—	—
EPA V-A1	04-11-96	1150	.40	24	476	.008	.11	2
	08-02-96	1000	.50	26	487	.009	.12	2
EPA V-A2	03-28-96	0900	.60	16	406	.005	.10	3
	03-28-96	0910	.60	16	410	.005	.10	3
	08-02-96	1030	.60	15	420	.007	.12	2
EPA V-B	03-28-96	1040	.70	16	369	.013	.10	<1
	08-02-96	1325	.90	16	401	.006	.10	<1
	08-02-96	1326	.90	16	404	.006	.10	<1
Older-2 at 740	07-24-92	1250	.90	38	920	.092	.23	18
	06-03-93	1530	1.0	39	928	.100	.19	17
Older-2 at 510	07-08-93	1320	.80	36	748	.041	.14	28
Older-2 at 315	07-23-92	1845	1.5	31	429	.005	.090	19
	06-09-93	1436	1.2	34	457	.004	.10	23
Older-1 at 550	05-29-92	1220	1.6	33	479	.019	.11	82
	01-15-93	1230	1.4	30	401	.016	.030	80
Older-1 at 285	05-29-92	1430	—	—	—	—	—	—
	01-15-93	1445	3.5	31	454	.064	.010	100
Older-1 at 150	05-29-92	1530	1.5	33	458	.015	.10	53
	01-15-93	1545	1.6	30	420	.014	.090	22
	03-27-96	1415	1.6	30	416	.014	.090	18
Older-1 at 50	05-29-92	1630	.50	24	558	.018	.11	2
	01-15-93	1345	.50	25	562	.016	.12	4
	03-27-96	1530	.50	25	654	.021	.14	3
	02-13-97	1645	—	—	—	—	—	—
Helendale 4-1	01-24-95	1300	1.1	29	630	.017	.15	19
	04-27-95	1020	1.0	28	630	.032	.15	20
	04-27-95	1030	1.0	—	—	—	.15	21
Helendale 4-2	01-24-95	1000	1.0	34	704	.030	.15	40
	04-27-95	1650	.90	31	674	.053	.15	26
Helendale 4-3	01-25-95	1430	1.1	33	994	.032	.26	34
	04-27-95	1135	1.1	31	978	.024	.26	18
Helendale 4-4	01-25-95	1700	.80	35	2,170	.016	.80	32
	04-27-95	1325	.70	32	2,330	.036	.78	18
Helendale 2-460	01-27-94	1101	.80	25	1,960	.097	.57	6
Helendale 2-350	01-24-94	1708	.70	35	1,380	.030	.42	74
	04-25-95	1730	.60	31	1,440	.062	.41	56
Helendale 2-270	01-27-94	1320	.50	32	704	.010	.22	30
Helendale 2-160	01-27-94	1649	.70	33	626	.011	.16	22
Helendale 2-50	01-27-94	1458	.60	32	656	.010	.16	18
CHERIES	01-27-94	1635	.70	30	477	.013	.13	5
Helendale 3-1	01-19-95	1330	2.5	24	3,120	.099	1.0	8
	04-26-95	1130	2.3	23	3,190	.120	.97	7
Helendale 3-2	01-20-95	1100	2.5	32	2,110	.076	.69	44
	04-26-95	1545	2.2	35	1,460	.110	.38	—
Helendale 3-3	01-19-95	1730	.40	29	630	.007	.14	6
	04-26-95	1020	.50	28	625	.007	.13	6
Helendale 3-4	01-20-95	1405	.60	23	640	.008	.17	9
	04-26-95	1410	.40	22	1,630	.005	.28	3

Table C20. Water-quality data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Common name	Date	Time	Barium, dissolved (µg/L as Ba)	Boron, dissolved (µg/L as B)	Iron, dissolved (µg/L as Fe)	Manganese, dissolved (µg/L as Mn)	Strontium, dissolved (µg/L as Sr)	Lithium, dissolved (µg/L as Li)	Bromo-dichloro-methane total (µg/L)
Daily-150	06-16-92	1230	22	260	65	70	—	—	—
	01-22-93	1200	51	170	28	40	520	—	—
	04-10-96	1540	—	—	—	—	—	—	—
EPA V-A1	04-11-96	1150	<100	110	<3.0	5,000	710	<10	—
	08-02-96	1000	200	114	4.0	5,000	800	6	—
EPA V-A2	03-28-96	0900	<100	270	740	66	420	<10	—
	03-28-96	0910	<100	280	750	64	420	<10	—
	08-02-96	1030	54	325	660	57	400	7	—
EPA V-B	03-28-96	1040	<100	280	150	39	380	<10	—
	08-02-96	1325	62	288	120	40	380	7	—
	08-02-96	1326	63	290	120	38	380	7	—
Older-2 at 740	07-24-92	1250	45	1,500	<3.0	83	—	—	—
	06-03-93	1530	39	1,500	9.0	50	1,000	—	—
Older-2 at 510	07-08-93	1320	33	1,200	28	57	540	—	—
Older-2 at 315	07-23-92	1845	29	510	34	14	—	—	—
	06-09-93	1436	17	480	80	33	540	—	—
Older-1 at 550	05-29-92	1220	11	940	430	94	—	—	—
	01-15-93	1230	12	880	6.0	6.0	170	—	—
Older-1 at 285	05-29-92	1430	—	—	—	—	—	—	—
	01-15-93	1445	17	830	24	45	150	—	—
Older-1 at 150	05-29-92	1530	23	310	250	110	—	—	—
	01-15-93	1545	39	300	10	160	420	—	—
	03-27-96	1415	<100	270	<3.0	35	410	10	—
Older-1 at 50	05-29-92	1630	73	250	3.0	4,300	—	—	—
	01-15-93	1345	79	260	<3.0	4,600	710	—	—
	03-27-96	1530	<100	270	4.0	5,500	810	<10	—
	02-13-97	1645	—	—	—	—	—	—	—
Helendale 4-1	01-24-95	1300	21	540	5.0	3.0	870	40	—
	04-27-95	1020	22	530	<3.0	6.0	880	—	—
	04-27-95	1030	22	570	<3.0	7.0	880	41	—
Helendale 4-2	01-24-95	1000	<2.0	550	360	60	150	47	—
	04-27-95	1650	3.0	550	21	26	460	—	—
Helendale 4-3	01-25-95	1430	17	620	4.0	6.0	1,900	55	—
	04-27-95	1135	22	610	<3.0	<1.0	2,000	—	—
Helendale 4-4	01-25-95	1700	<100	940	30	20	5,700	100	—
	04-27-95	1325	<100	970	<10	<10	5,400	—	—
Helendale 2-460	01-27-94	1101	100	490	110	360	4,700	210	—
Helendale 2-350	01-24-94	1708	<100	470	20	180	2,700	140	—
	04-25-95	1730	<100	470	<10	200	3,000	—	—
Helendale 2-270	01-27-94	1320	22	310	190	180	1,300,	72	—
Helendale 2-160	01-27-94	1649	35	240	45	110	890	27	—
Helendale 2-50	01-27-94	1458	17	200	62	280	890	16	—
CHERIES	01-27-94	1635	32	230	9.0	27	620	17	—
Helendale 3-1	01-19-95	1330	<100	1,400	<10	160	8,500	530	—
	04-26-95	1130	<100	1,500	<10	160	8,700	—	—
Helendale 3-2	01-20-95	1100	<100	1,300	30	150	4,400	410	—
	04-26-95	1545	<100	1,300	30	290	2,400	—	—
Helendale 3-3	01-19-95	1730	41	200	<3.0	33	1,100	14	—
	04-26-95	1020	50	230	<3.0	4.0	1,100	—	—
Helendale 3-4	01-20-95	1405	40	270	7.0	32	740	13	—
	04-26-95	1410	100	300	<10	<10	2,500	—	—

Table C20. Water-quality data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Common name	Date	Time	Carbon tetrachloride total (µg/L)	1,2-Dichloro-ethane total (µg/L)	Bromo-form total (µg/L)	Chloro-dibromo-methane total (µg/L)	Chloro-form total (µg/L)	Toluene total (µg/L)	Benzene total (µg/L)
Daily-150	06-16-92	1230	—	—	—	—	—	—	—
	01-22-93	1200	—	—	—	—	—	—	—
	04-10-96	1540	—	—	—	—	—	—	—
EPA V-A1	04-11-96	1150	—	—	—	—	—	—	—
	08-02-96	1000	—	—	—	—	—	—	—
EPA V-A2	03-28-96	0900	—	—	—	—	—	—	—
	03-28-96	0910	—	—	—	—	—	—	—
	08-02-96	1030	—	—	—	—	—	—	—
EPA V-B	03-28-96	1040	—	—	—	—	—	—	—
	08-02-96	1325	—	—	—	—	—	—	—
	08-02-96	1326	—	—	—	—	—	—	—
Older-2 at 740	07-24-92	1250	—	—	—	—	—	—	—
	06-03-93	1530	—	—	—	—	—	—	—
Older-2 at 510	07-08-93	1320	—	—	—	—	—	—	—
Older-2 at 315	07-23-92	1845	—	—	—	—	—	—	—
	06-09-93	1436	—	—	—	—	—	—	—
Older-1 at 550	05-29-92	1220	—	—	—	—	—	—	—
	01-15-93	1230	—	—	—	—	—	—	—
Older-1 at 285	05-29-92	1430	—	—	—	—	—	—	—
	01-15-93	1445	—	—	—	—	—	—	—
Older-1 at 150	05-29-92	1530	—	—	—	—	—	—	—
	01-15-93	1545	—	—	—	—	—	—	—
	03-27-96	1415	—	—	—	—	—	—	—
Older-1 at 50	05-29-92	1630	—	—	—	—	—	—	—
	01-15-93	1345	—	—	—	—	—	—	—
	03-27-96	1530	—	—	—	—	—	—	—
	02-13-97	1645	—	—	—	—	—	—	—
Helendale 4-1	01-24-95	1300	—	—	—	—	—	—	—
	04-27-95	1020	—	—	—	—	—	—	—
	04-27-95	1030	—	—	—	—	—	—	—
Helendale 4-2	01-24-95	1000	—	—	—	—	—	—	—
	04-27-95	1650	—	—	—	—	—	—	—
Helendale 4-3	01-25-95	1430	—	—	—	—	—	—	—
	04-27-95	1135	—	—	—	—	—	—	—
Helendale 4-4	01-25-95	1700	—	—	—	—	—	—	—
	04-27-95	1325	—	—	—	—	—	—	—
Helendale 2-460	01-27-94	1101	—	—	—	—	—	—	—
Helendale 2-350	01-24-94	1708	—	—	—	—	—	—	—
	04-25-95	1730	—	—	—	—	—	—	—
Helendale 2-270	01-27-94	1320	—	—	—	—	—	—	—
Helendale 2-160	01-27-94	1649	—	—	—	—	—	—	—
Helendale 2-50	01-27-94	1458	—	—	—	—	—	—	—
CHERIES	01-27-94	1635	—	—	—	—	—	—	—
Helendale 3-1	01-19-95	1330	—	—	—	—	—	—	—
	04-26-95	1130	—	—	—	—	—	—	—
Helendale 3-2	01-20-95	1100	—	—	—	—	—	—	—
	04-26-95	1545	—	—	—	—	—	—	—
Helendale 3-3	01-19-95	1730	—	—	—	—	—	—	—
	04-26-95	1020	—	—	—	—	—	—	—
Helendale 3-4	01-20-95	1405	—	—	—	—	—	—	—
	04-26-95	1410	—	—	—	—	—	—	—

Table C20. Water-quality data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Common name	Date	Time	Chloro-benzene total (µg/L)	Ethyl-benzene total (µg/L)	Methylene chloride total (µg/L)	Tetrachloro-ethylene total (µg/L)	Trichloro-fluoro-methane total (µg/L)	1,1-Dichloro-ethane total (µg/L)
Daily-150	06-16-92	1230	—	—	—	—	—	—
	01-22-93	1200	—	—	—	—	—	—
	04-10-96	1540	—	—	—	—	—	—
EPA V-A1	04-11-96	1150	—	—	—	—	—	—
	08-02-96	1000	—	—	—	—	—	—
EPA V-A2	03-28-96	0900	—	—	—	—	—	—
	03-28-96	0910	—	—	—	—	—	—
	08-02-96	1030	—	—	—	—	—	—
EPA V-B	03-28-96	1040	—	—	—	—	—	—
	08-02-96	1325	—	—	—	—	—	—
	08-02-96	1326	—	—	—	—	—	—
Older-2 at 740	07-24-92	1250	—	—	—	—	—	—
	06-03-93	1530	—	—	—	—	—	—
Older-2 at 510	07-08-93	1320	—	—	—	—	—	—
Older-2 at 315	07-23-92	1845	—	—	—	—	—	—
	06-09-93	1436	—	—	—	—	—	—
Older-1 at 550	05-29-92	1220	—	—	—	—	—	—
	01-15-93	1230	—	—	—	—	—	—
Older-1 at 285	05-29-92	1430	—	—	—	—	—	—
	01-15-93	1445	—	—	—	—	—	—
Older-1 at 150	05-29-92	1530	—	—	—	—	—	—
	01-15-93	1545	—	—	—	—	—	—
	03-27-96	1415	—	—	—	—	—	—
Older-1 at 50	05-29-92	1630	—	—	—	—	—	—
	01-15-93	1345	—	—	—	—	—	—
	03-27-96	1530	—	—	—	—	—	—
	02-13-97	1645	—	—	—	—	—	—
Helendale 4-1	01-24-95	1300	—	—	—	—	—	—
	04-27-95	1020	—	—	—	—	—	—
	04-27-95	1030	—	—	—	—	—	—
Helendale 4-2	01-24-95	1000	—	—	—	—	—	—
	04-27-95	1650	—	—	—	—	—	—
Helendale 4-3	01-25-95	1430	—	—	—	—	—	—
	04-27-95	1135	—	—	—	—	—	—
Helendale 4-4	01-25-95	1700	—	—	—	—	—	—
	04-27-95	1325	—	—	—	—	—	—
Helendale 2-460	01-27-94	1101	—	—	—	—	—	—
Helendale 2-350	01-24-94	1708	—	—	—	—	—	—
	04-25-95	1730	—	—	—	—	—	—
Helendale 2-270	01-27-94	1320	—	—	—	—	—	—
Helendale 2-160	01-27-94	1649	—	—	—	—	—	—
Helendale 2-50	01-27-94	1458	—	—	—	—	—	—
CHERIES	01-27-94	1635	—	—	—	—	—	—
Helendale 3-1	01-19-95	1330	—	—	—	—	—	—
	04-26-95	1130	—	—	—	—	—	—
Helendale 3-2	01-20-95	1100	—	—	—	—	—	—
	04-26-95	1545	—	—	—	—	—	—
Helendale 3-3	01-19-95	1730	—	—	—	—	—	—
	04-26-95	1020	—	—	—	—	—	—
Helendale 3-4	01-20-95	1405	—	—	—	—	—	—
	04-26-95	1410	—	—	—	—	—	—

Table C20. Water-quality data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Common name	Date	Time	1,1-Dichloro-ethylene total (µg/L)	1,1,1-Tri-chloro-ethane total (µg/L)	Benzene O-dichloro-water unfltrd rec (µg/L)	1,2-Di-chloro-propane total (µg/L)	Trans-1,2-di-chloro-ethene total (µg/L)	Benzene 1,3-di-chloro-water unfltrd rec (µg/L)
Daily-150	06-16-92	1230	—	—	—	—	—	—
	01-22-93	1200	—	—	—	—	—	—
	04-10-96	1540	—	—	—	—	—	—
EPA V-A1	04-11-96	1150	—	—	—	—	—	—
	08-02-96	1000	—	—	—	—	—	—
EPA V-A2	03-28-96	0900	—	—	—	—	—	—
	03-28-96	0910	—	—	—	—	—	—
	08-02-96	1030	—	—	—	—	—	—
EPA V-B	03-28-96	1040	—	—	—	—	—	—
	08-02-96	1325	—	—	—	—	—	—
	08-02-96	1326	—	—	—	—	—	—
Older-2 at 740	07-24-92	1250	—	—	—	—	—	—
	06-03-93	1530	—	—	—	—	—	—
Older-2 at 510	07-08-93	1320	—	—	—	—	—	—
Older-2 at 315	07-23-92	1845	—	—	—	—	—	—
	06-09-93	1436	—	—	—	—	—	—
Older-1 at 550	05-29-92	1220	—	—	—	—	—	—
	01-15-93	1230	—	—	—	—	—	—
Older-1 at 285	05-29-92	1430	—	—	—	—	—	—
	01-15-93	1445	—	—	—	—	—	—
Older-1 at 150	05-29-92	1530	—	—	—	—	—	—
	01-15-93	1545	—	—	—	—	—	—
	03-27-96	1415	—	—	—	—	—	—
Older-1 at 50	05-29-92	1630	—	—	—	—	—	—
	01-15-93	1345	—	—	—	—	—	—
	03-27-96	1530	—	—	—	—	—	—
	02-13-97	1645	—	—	—	—	—	—
Helendale 4-1	01-24-95	1300	—	—	—	—	—	—
	04-27-95	1020	—	—	—	—	—	—
	04-27-95	1030	—	—	—	—	—	—
Helendale 4-2	01-24-95	1000	—	—	—	—	—	—
	04-27-95	1650	—	—	—	—	—	—
Helendale 4-3	01-25-95	1430	—	—	—	—	—	—
	04-27-95	1135	—	—	—	—	—	—
Helendale 4-4	01-25-95	1700	—	—	—	—	—	—
	04-27-95	1325	—	—	—	—	—	—
Helendale 2-460	01-27-94	1101	—	—	—	—	—	—
Helendale 2-350	01-24-94	1708	—	—	—	—	—	—
	04-25-95	1730	—	—	—	—	—	—
Helendale 2-270	01-27-94	1320	—	—	—	—	—	—
Helendale 2-160	01-27-94	1649	—	—	—	—	—	—
Helendale 2-50	01-27-94	1458	—	—	—	—	—	—
CHERIES	01-27-94	1635	—	—	—	—	—	—
Helendale 3-1	01-19-95	1330	—	—	—	—	—	—
	04-26-95	1130	—	—	—	—	—	—
Helendale 3-2	01-20-95	1100	—	—	—	—	—	—
	04-26-95	1545	—	—	—	—	—	—
Helendale 3-3	01-19-95	1730	—	—	—	—	—	—
	04-26-95	1020	—	—	—	—	—	—
Helendale 3-4	01-20-95	1405	—	—	—	—	—	—
	04-26-95	1410	—	—	—	—	—	—

Table C20. Water-quality data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Common name	Date	Time	Benzene 1,4-di-chloro-water unfltrd rec (µg/L)	Dichloro-difluoro-methane total (µg/L)	Vinyl chloride total (µg/L)	Trichloro-ethylene total (µg/L)	Cis-1,2-di-chloro-ethene water total (µg/L)	Styrene total (µg/L)
Daily-150	06-16-92	1230	—	—	—	—	—	—
	01-22-93	1200	—	—	—	—	—	—
	04-10-96	1540	—	—	—	—	—	—
EPA V-A1	04-11-96	1150	—	—	—	—	—	—
	08-02-96	1000	—	—	—	—	—	—
EPA V-A2	03-28-96	0900	—	—	—	—	—	—
	03-28-96	0910	—	—	—	—	—	—
	08-02-96	1030	—	—	—	—	—	—
EPA V-B	03-28-96	1040	—	—	—	—	—	—
	08-02-96	1325	—	—	—	—	—	—
	08-02-96	1326	—	—	—	—	—	—
Older-2 at 740	07-24-92	1250	—	—	—	—	—	—
	06-03-93	1530	—	—	—	—	—	—
Older-2 at 510	07-08-93	1320	—	—	—	—	—	—
Older-2 at 315	07-23-92	1845	—	—	—	—	—	—
	06-09-93	1436	—	—	—	—	—	—
Older-1 at 550	05-29-92	1220	—	—	—	—	—	—
	01-15-93	1230	—	—	—	—	—	—
Older-1 at 285	05-29-92	1430	—	—	—	—	—	—
	01-15-93	1445	—	—	—	—	—	—
Older-1 at 150	05-29-92	1530	—	—	—	—	—	—
	01-15-93	1545	—	—	—	—	—	—
	03-27-96	1415	—	—	—	—	—	—
Older-1 at 50	05-29-92	1630	—	—	—	—	—	—
	01-15-93	1345	—	—	—	—	—	—
	03-27-96	1530	—	—	—	—	—	—
	02-13-97	1645	—	—	—	—	—	—
Helendale 4-1	01-24-95	1300	—	—	—	—	—	—
	04-27-95	1020	—	—	—	—	—	—
	04-27-95	1030	—	—	—	—	—	—
Helendale 4-2	01-24-95	1000	—	—	—	—	—	—
	04-27-95	1650	—	—	—	—	—	—
Helendale 4-3	01-25-95	1430	—	—	—	—	—	—
	04-27-95	1135	—	—	—	—	—	—
Helendale 4-4	01-25-95	1700	—	—	—	—	—	—
	04-27-95	1325	—	—	—	—	—	—
Helendale 2-460	01-27-94	1101	—	—	—	—	—	—
Helendale 2-350	01-24-94	1708	—	—	—	—	—	—
	04-25-95	1730	—	—	—	—	—	—
Helendale 2-270	01-27-94	1320	—	—	—	—	—	—
Helendale 2-160	01-27-94	1649	—	—	—	—	—	—
Helendale 2-50	01-27-94	1458	—	—	—	—	—	—
CHERIES	01-27-94	1635	—	—	—	—	—	—
Helendale 3-1	01-19-95	1330	—	—	—	—	—	—
	04-26-95	1130	—	—	—	—	—	—
Helendale 3-2	01-20-95	1100	—	—	—	—	—	—
	04-26-95	1545	—	—	—	—	—	—
Helendale 3-3	01-19-95	1730	—	—	—	—	—	—
	04-26-95	1020	—	—	—	—	—	—
Helendale 3-4	01-20-95	1405	—	—	—	—	—	—
	04-26-95	1410	—	—	—	—	—	—

Table C20. Water-quality data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Common name	Date	Time	Freon-113 water unfltrd rec (µg/L)	Methyl tertbutyl ether wat unf rec (µg/L)	Ethane 12dicl surrog voc unfltrd rec percent	Toluene d8 surrog voc unfltrd rec percent	Benzene 14brfl-surrog voc unfltrd rec percent	Xylene water unfltrd rec (µg/L)
Daily-150	06-16-92	1230	—	—	—	—	—	—
	01-22-93	1200	—	—	—	—	—	—
	04-10-96	1540	—	—	—	—	—	—
EPA V-A1	04-11-96	1150	—	—	—	—	—	—
	08-02-96	1000	—	—	—	—	—	—
EPA V-A2	03-28-96	0900	—	—	—	—	—	—
	03-28-96	0910	—	—	—	—	—	—
	08-02-96	1030	—	—	—	—	—	—
EPA V-B	03-28-96	1040	—	—	—	—	—	—
	08-02-96	1325	—	—	—	—	—	—
	08-02-96	1326	—	—	—	—	—	—
Older-2 at 740	07-24-92	1250	—	—	—	—	—	—
	06-03-93	1530	—	—	—	—	—	—
Older-2 at 510	07-08-93	1320	—	—	—	—	—	—
Older-2 at 315	07-23-92	1845	—	—	—	—	—	—
	06-09-93	1436	—	—	—	—	—	—
Older-1 at 550	05-29-92	1220	—	—	—	—	—	—
	01-15-93	1230	—	—	—	—	—	—
Older-1 at 285	05-29-92	1430	—	—	—	—	—	—
	01-15-93	1445	—	—	—	—	—	—
Older-1 at 150	05-29-92	1530	—	—	—	—	—	—
	01-15-93	1545	—	—	—	—	—	—
	03-27-96	1415	—	—	—	—	—	—
Older-1 at 50	05-29-92	1630	—	—	—	—	—	—
	01-15-93	1345	—	—	—	—	—	—
	03-27-96	1530	—	—	—	—	—	—
	02-13-97	1645	—	—	—	—	—	—
Helendale 4-1	01-24-95	1300	—	—	—	—	—	—
	04-27-95	1020	—	—	—	—	—	—
	04-27-95	1030	—	—	—	—	—	—
Helendale 4-2	01-24-95	1000	—	—	—	—	—	—
	04-27-95	1650	—	—	—	—	—	—
Helendale 4-3	01-25-95	1430	—	—	—	—	—	—
	04-27-95	1135	—	—	—	—	—	—
Helendale 4-4	01-25-95	1700	—	—	—	—	—	—
	04-27-95	1325	—	—	—	—	—	—
Helendale 2-460	01-27-94	1101	—	—	—	—	—	—
Helendale 2-350	01-24-94	1708	—	—	—	—	—	—
	04-25-95	1730	—	—	—	—	—	—
Helendale 2-270	01-27-94	1320	—	—	—	—	—	—
Helendale 2-160	01-27-94	1649	—	—	—	—	—	—
Helendale 2-50	01-27-94	1458	—	—	—	—	—	—
CHERIES	01-27-94	1635	—	—	—	—	—	—
Helendale 3-1	01-19-95	1330	—	—	—	—	—	—
	04-26-95	1130	—	—	—	—	—	—
Helendale 3-2	01-20-95	1100	—	—	—	—	—	—
	04-26-95	1545	—	—	—	—	—	—
Helendale 3-3	01-19-95	1730	—	—	—	—	—	—
	04-26-95	1020	—	—	—	—	—	—
Helendale 3-4	01-20-95	1405	—	—	—	—	—	—
	04-26-95	1410	—	—	—	—	—	—

Table C20. Water-quality data for monitoring sites in the Transition Zone subarea of the Mojave River ground-water basin, San Bernardino County, California—Continued

Common name	Date	Time	$^{2}H/^{1}H$ stable isotope ratio per mil	$^{18}O/^{16}O$ stable isotope ratio per mil	Tritium in water molecules (TU)	Tritium water molecules count error (TU)	$^{13}C/^{12}C$ stable isotope ratio per mil	Carbon 14 percent modern
Daily-150	06-16-92	1230	-61.5	-9.10	0.0	0.1	—	—
	01-22-93	1200	-62.7	-8.84	.3	.1	-12.70	86.6
	04-10-96	1540	-59.2	-8.67	—	—	—	—
EPA V-A1	04-11-96	1150	-57.0	-8.27	—	—	—	—
	08-02-96	1000	-58.9	-8.27	—	—	—	—
EPA V-A2	03-28-96	0900	-63.4	-8.87	—	—	—	—
	03-28-96	0910	—	—	—	—	—	—
	08-02-96	1030	-61.2	-8.49	—	—	—	—
EPA V-B	03-28-96	1040	-62.1	-8.54	—	—	—	—
	08-02-96	1325	-64.4	-8.84	—	—	—	—
	08-02-96	1326	-63.9	-8.76	—	—	—	—
Older-2 at 740	07-24-92	1250	86.0	11.45	.0	.1	—	—
	06-03-93	1530	-85.6	-11.58	.1	.1	-9.80	2.7
Older-2 at 510	07-08-93	1320	-88.6	-12.00	—	—	-10.10	3.3
Older-2 at 315	07-23-92	1845	72.5	10.05	.2	.1	—	—
	06-09-93	1436	-71.8	-10.18	—	—	-12.10	44.7
Older-1 at 550	05-29-92	1220	-92.0	-12.85	.1	.1	—	—
	01-15-93	1230	-94.4	-12.93	.0	.1	-9.60	4.6
Older-1 at 285	05-29-92	1430	-90.0	-12.55	.1	.2	—	—
	01-15-93	1445	-92.4	-12.74	.1	.1	-9.30	3.3
Older-1 at 150	05-29-92	1530	-67.5	-9.65	2.3	.1	—	—
	01-15-93	1545	-69.5	-9.77	—	—	—	—
	03-27-96	1415	-67.8	-9.68	—	—	—	—
Older-1 at 50	05-29-92	1630	-67.5	-9.45	2.9	.2	—	—
	01-15-93	1345	-67.4	-9.48	—	—	—	—
	03-27-96	1530	-67.8	-9.45	—	—	—	—
	02-13-97	1645	—	—	—	—	—	—
Helendale 4-1	01-24-95	1300	-76.4	-10.61	—	—	—	—
	04-27-95	1020	-77.1	-10.54	<.1	.2	-10.10	38.2
	04-27-95	1030	—	—	—	—	—	—
Helendale 4-2	01-24-95	1000	-76.3	-10.53	—	—	—	—
	04-27-95	1650	-77.4	-10.51	<.1	.2	-10.20	37.5
Helendale 4-3	01-25-95	1430	-82.0	-11.01	—	—	—	—
	04-27-95	1135	-80.0	-10.94	.3	.2	-10.80	45.9
Helendale 4-4	01-25-95	1700	-72.5	-9.60	—	—	—	—
	04-27-95	1325	-71.2	-9.40	1.6	.2	-10.20	88.6
Helendale 2-460	01-27-94	1101	-75.7	-10.30	<.1	.2	-9.70	32.3
Helendale 2-350	01-24-94	1708	-70.7	-9.75	<.1	.2	-11.50	—
	04-25-95	1730	-70.6	-9.56	—	—	-11.70	69.3
Helendale 2-270	01-27-94	1320	-67.3	-9.29	—	—	—	—
Helendale 2-160	01-27-94	1649	-64.1	-9.10	—	—	—	—
Helendale 2-50	01-27-94	1458	-60.4	-8.42	—	—	—	—
CHERIES	01-27-94	1635	-63.3	-9.08	—	—	—	—
Helendale 3-1	01-19-95	1330	-84.2	-10.59	—	—	—	—
	04-26-95	1130	-83.5	-10.58	<.1	.2	-9.50	27.6
Helendale 3-2	01-20-95	1100	-84.4	-10.56	—	—	—	—
	04-26-95	1545	-85.3	-10.47	<.1	.2	-8.00	28.3
Helendale 3-3	01-19-95	1730	-58.6	-8.15	—	—	—	—
	04-26-95	1020	-59.5	-8.15	6.2	.4	-12.48	117
Helendale 3-4	01-20-95	1405	-61.1	-8.35	—	—	—	—
	04-26-95	1410	-61.2	-8.17	3.1	.3	-13.50	108