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Water-Data Report 2010

**10261500 Mojave River at Lower Narrows, near Victorville, CA**

Mojave River Basin

LOCATION.--Lat 34°34'23", long 117°19'11" referenced to North American Datum of 1927, in SW ¼ SE ¼ sec.29, T.6 N., R.4 W., San Bernardino County, CA, Hydrologic Unit 18090208, on left bank, 650 ft upstream from bridge on National Trails Highway (formerly U.S. Highway 66), 0.6 mi downstream from Atchison, Topeka, and Santa Fe Railway bridge, and 3 mi northwest of Victorville.

DRAINAGE AREA.--513 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--February 1899 to September 1906, October 1930 to current year. Monthly discharge only for January to September 1906, October, November 1930, published in WSP 1314. Prior to October 1936, published as "at Victorville" and as "near Victorville" in 1937.

REVISED RECORDS.--WSP 1927: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Auxiliary gage with water-stage recorder 85 ft upstream, on right bank, from October 1995 to September 2005. Elevation of gage is 2,643.01 ft above NGVD of 1929. See WSP 1314 for history of gage changes prior to Mar. 28, 1938. Mar. 28, 1938, to Apr. 14, 1966, at site 350 ft upstream at datum 15.00 ft higher. Apr. 15, 1966, to July 17, 1969, at site 350 ft upstream at datum 13.00 ft higher. From July 18, 1969, to Oct. 13, 2003, at present site at datum 10.00 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by Mojave River Forks Reservoir, capacity, 89,700 acre-ft, since 1971, 17.8 mi upstream; Silverwood Lake, capacity, 74,970 acre-ft, since 1972; and Lake Arrowhead, capacity, 48,000 acre-ft, since 1922. Some water is imported into basin. Diversions and pumping for irrigation and for Mojave State Fish Hatchery upstream from station. See schematic diagram of Mojave River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,600 ft<sup>3</sup>/s, Mar. 2, 1938, gage height, 33.7 ft, present datum, from rating curve extended above 10,000 ft<sup>3</sup>/s, on basis of slope-area measurement of peak flow; no flow Sept. 21-23, 1995.

**10261500 Mojave River at Lower Narrows, near Victorville, CA—Continued**

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**  
**DAILY MEAN VALUES**  
[*e*, estimated]

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	1.3	1.6	5.1	10	17	323	69	33	10	4.7	1.9	1.4
<b>2</b>	1.2	1.5	5.4	9.8	16	146	42	27	9.0	4.3	2.0	1.4
<b>3</b>	1.2	1.4	5.7	9.5	16	88	32	22	8.9	4.2	1.9	1.4
<b>4</b>	1.2	1.5	5.9	8.9	16	67	29	20	8.4	4.7	1.8	1.3
<b>5</b>	1.3	1.5	6.2	8.5	16	75	29	19	8.3	5.0	1.7	1.2
<b>6</b>	1.3	1.6	6.5	8.4	605	56	178	18	8.9	4.7	1.6	1.5
<b>7</b>	1.3	1.6	6.5	8.4	1,140	38	128	17	7.9	4.1	1.5	1.1
<b>8</b>	1.3	1.7	6.6	8.5	226	32	70	16	7.7	3.8	1.5	1.2
<b>9</b>	1.3	1.8	6.4	7.3	122	27	53	16	7.6	3.8	1.6	1.3
<b>10</b>	1.3	1.8	6.6	7.9	112	26	53	15	7.6	3.6	1.5	1.9
<b>11</b>	1.8	1.8	6.9	7.9	69	24	54	15	7.7	3.6	1.5	1.3
<b>12</b>	1.6	e1.9	7.1	9.0	49	22	68	14	8.0	3.2	1.4	1.2
<b>13</b>	1.5	e2.2	8.1	11	43	25	130	14	7.9	3.0	1.4	1.4
<b>14</b>	e2.5	e2.1	13	10	35	21	86	13	8.1	2.8	1.5	1.6
<b>15</b>	e2.0	e2.2	8.3	9.9	26	19	52	13	8.4	2.8	2.0	1.2
<b>16</b>	e1.7	e2.2	7.8	10	22	19	45	12	7.7	2.7	1.5	1.4
<b>17</b>	e1.6	e2.3	7.7	11	21	18	35	12	7.6	2.6	1.7	1.4
<b>18</b>	e1.6	e2.3	8.0	37	20	19	33	12	7.6	2.4	1.7	1.3
<b>19</b>	e1.5	e2.3	7.9	39	20	19	32	12	7.6	2.3	1.6	1.4
<b>20</b>	1.6	e2.4	8.4	260	20	25	34	11	6.9	2.2	1.5	1.6
<b>21</b>	1.7	e2.4	8.5	546	20	25	50	11	6.7	2.2	1.5	1.4
<b>22</b>	1.7	e2.5	7.8	671	19	28	90	11	6.8	2.1	1.5	1.4
<b>23</b>	1.6	e2.5	7.5	55	18	27	92	11	5.7	2.2	1.1	1.5
<b>24</b>	1.6	e2.6	7.5	37	19	30	75	11	5.5	2.2	1.2	1.4
<b>25</b>	1.6	e2.9	7.3	29	19	34	71	11	5.2	2.3	1.2	1.4
<b>26</b>	1.6	e3.4	6.6	24	19	37	78	11	5.1	2.2	1.4	1.5
<b>27</b>	1.7	e3.8	7.4	24	22	37	81	9.7	4.9	2.1	1.4	1.5
<b>28</b>	1.9	e5.5	e7.6	21	304	37	70	10	4.6	2.0	1.3	1.5
<b>29</b>	1.6	e4.7	e8.0	19	---	38	60	9.7	4.6	2.0	1.5	1.6
<b>30</b>	1.6	e5.1	e8.4	17	---	43	49	11	5.0	2.0	1.5	1.8
<b>31</b>	1.6	---	8.7	17	---	73	---	9.8	---	2.0	1.5	---
<b>Total</b>	48.3	73.1	229.4	1,952.0	3,051	1,498	1,968	447.2	215.9	93.8	47.9	42.5
<b>Mean</b>	1.56	2.44	7.40	63.0	109	48.3	65.6	14.4	7.20	3.03	1.55	1.42
<b>Max</b>	2.5	5.5	13	671	1,140	323	178	33	10	5.0	2.0	1.9
<b>Min</b>	1.2	1.4	5.1	7.3	16	18	29	9.7	4.6	2.0	1.1	1.1
<b>Ac-ft</b>	96	145	455	3,870	6,050	2,970	3,900	887	428	186	95	84

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 1970, BY WATER YEAR (WY)**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	27.1	42.6	61.5	91.4	164	210	147	47.8	21.9	17.6	17.7	19.5
<b>Max</b>	39.0	222	376	1,216	2,002	2,229	1,015	193	32.6	32.5	29.3	29.7
(WY)	(1940)	(1966)	(1967)	(1969)	(1969)	(1938)	(1958)	(1967)	(1969)	(1969)	(1969)	(1941)
<b>Min</b>	13.7	22.1	26.5	33.2	30.1	28.8	25.1	18.2	14.0	10.5	8.45	10.1
(WY)	(1965)	(1967)	(1965)	(1962)	(1964)	(1966)	(1966)	(1963)	(1961)	(1966)	(1966)	(1966)

**10261500 Mojave River at Lower Narrows, near Victorville, CA—Continued****SUMMARY STATISTICS**

<b>Water Years 1931 - 1970</b>		
<b>Annual mean</b>	71.8	
<b>Highest annual mean</b>	402	1969
<b>Lowest annual mean</b>	23.2	1965
<b>Highest daily mean</b>	21,000	Feb 25, 1969
<b>Lowest daily mean</b>	6.0	Aug 19, 1951
<b>Annual seven-day minimum</b>	6.8	Aug 25, 1966
<b>Maximum peak flow</b>	70,600	Mar 2, 1938
<b>Maximum peak stage</b>	33.70	Mar 2, 1938
<b>Annual runoff (ac-ft)</b>	52,050	
<b>10 percent exceeds</b>	53	
<b>50 percent exceeds</b>	31	
<b>90 percent exceeds</b>	15	

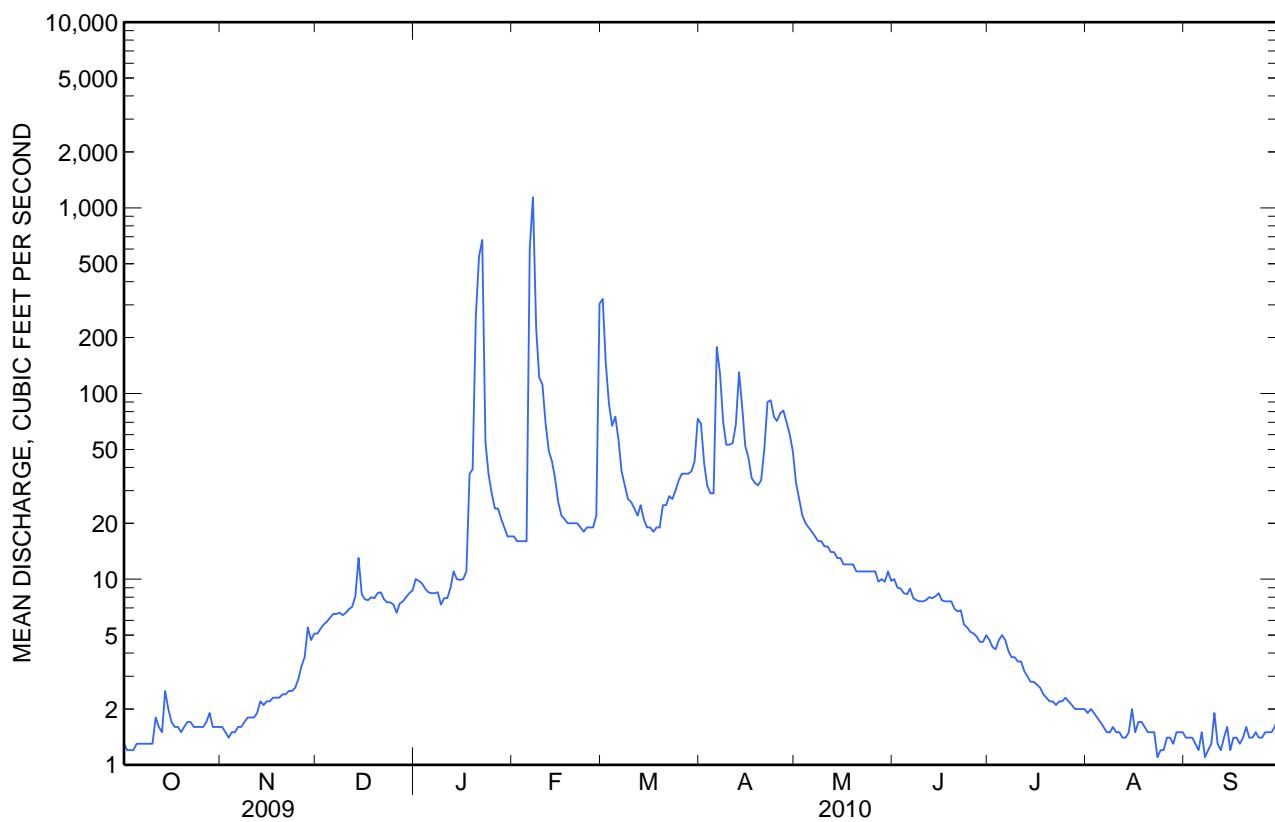
**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2010, BY WATER YEAR (WY)**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	16.4	20.7	33.1	131	225	193	86.6	38.8	16.5	8.63	8.62	10.0
<b>Max</b>	58.2	45.6	141	1,853	2,334	1,585	422	312	157	22.5	23.8	41.7
(WY)	(1977)	(1977)	(1972)	(2005)	(1993)	(1983)	(1978)	(1998)	(1978)	(1980)	(1979)	(1976)
<b>Min</b>	0.92	2.44	7.40	9.23	12.6	9.75	7.59	2.86	1.48	1.09	0.73	0.61
(WY)	(2004)	(2010)	(2010)	(2003)	(2009)	(2009)	(2004)	(2004)	(2003)	(2004)	(2002)	(2003)

**SUMMARY STATISTICS**

	<b>Calendar Year 2009</b>			<b>Water Year 2010</b>			<b>Water Years 1971 - 2010</b>		
<b>Annual total</b>	1,920.92			9,667.1			64.8		
<b>Annual mean</b>	5.26			26.5			394		
<b>Highest annual mean</b>							1993		
<b>Lowest annual mean</b>							6.02		2009
<b>Highest daily mean</b>	32	Feb 7		1,140	Feb 7		14,000	Jan 9, 2005	
<b>Lowest daily mean</b>	0.95	Aug 30		1.1	Aug 23		0.00	Sep 21, 1995	
<b>Annual seven-day minimum</b>	1.1	Sep 5		1.3	Oct 1		0.37	Sep 20, 1995	
<b>Maximum peak flow</b>				3,400	Feb 6		24,000	Feb 24, 1998	
<b>Maximum peak stage</b>				14.99	Feb 6		16.70	Jan 9, 2005	
<b>Annual runoff (ac-ft)</b>	3,810			19,170			46,970		
<b>10 percent exceeds</b>	11			52			49		
<b>50 percent exceeds</b>	3.4			7.6			17		
<b>90 percent exceeds</b>	1.2			1.4			2.0		

**10261500 Mojave River at Lower Narrows, near Victorville, CA—Continued**



**10261500 Mojave River at Lower Narrows, near Victorville, CA—Continued****WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1962-65, 1967-1982, 2006 to current year.

CHEMICAL DATA: Water years 1967-1982, 2006 to current year.

BIOLOGICAL DATA: Water years 1975-1981.

pH: Water years 1967-1982, 2006 to current year.

SEDIMENT DATA: Water years 1975-1982.

PERIOD OF DAILY RECORD.--

pH: December 2005 to current year.

SPECIFIC CONDUCTANCE: June 1975 to September 1981, December 2005 to current year.

WATER TEMPERATURE: March 1962 to May 1965, June 1975 to May 1980, December 2005 to current year.

INSTRUMENTATION.--Specific conductance recorder from June 1975 to September 1981. Water temperature recorder from March 1962 to May 1965 and from June 1975 to May 1980. Water-quality monitor recording pH, specific conductance, and water temperature since December 2005.

REMARKS.--Interruptions in record at times due to malfunction of recording or sensing equipment.

pH records rated excellent except for Sept. 4-7 and Sept. 26-28, which are rated good.

Specific conductance records rated excellent.

Water temperature records rated excellent except for June 27-29, which are rated good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

pH: Maximum recorded, 8.9 standard units, June 28, July 10, 2006; minimum recorded, 6.9 standard units, Aug. 24-28, 2010.

SPECIFIC CONDUCTANCE: Maximum recorded, 1,570 microsiemens, Aug. 6, 1981; minimum recorded, 110 microsiemens, Feb. 6, 2010.

WATER TEMPERATURE: Maximum recorded, 36.0°C, Aug. 5, 1978; minimum recorded, 0.0°C, Feb. 12, 1980.

EXTREMES FOR CURRENT YEAR.--

pH: Maximum recorded, 8.6 standard units, Feb. 6; minimum recorded, 6.9 standard units, Aug. 24-28.

SPECIFIC CONDUCTANCE: Maximum recorded, 766 microsiemens, Nov. 23; minimum recorded, 110 microsiemens, Feb. 6.

WATER TEMPERATURE: Maximum recorded, 26.4°C, July 18; minimum recorded, 1.5°C, Jan. 20.

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 1 of 4

[%, percent; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; A, average; E, estimated]

Sample date-time	Barometric pressure, mm Hg (00025)	Temperature, air, °C (00020)	Discharge, instantaneous, ft <sup>3</sup> /s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, saturation (00301)	pH, water, unfiltered, % saturation (00400)	Specific conductance, water, unfiltered, µS/cm at 25 °C (00095)	Temperature, water, unfiltered, °C (00010)	Dissolved solids dried at 180 °C, water, filtered, mg/L (70300)	Dissolved solids, water, filtered, sum of constituents, milligrams per liter (70301)
11-02-2009 1045	696	22.0	1.6	5.4	56	7.7	722	12.5	435	434
01-04-2010 1030	--	11.5	9.1	8.8	--	7.9	661	6.6	413	397
01-20-2010 0945	--	11.0	77	9.4	--	7.6	445	6.4	298	265
03-09-2010 1110	--	10.0	26	9.0	--	8.1	545	10.5	361	327
05-18-2010 1145	--	18.5	12	8.5	--	8.0	620	17.5	383	E 365
07-20-2010 0940	--	33.0	2.4	4.8	--	7.7	715	24.2	446	425
09-07-2010 1130	--	--	1.2	2.7	--	7.6	742	22.9	459	447

**10261500 Mojave River at Lower Narrows, near Victorville, CA—Continued**
**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 2 of 4

[%, percent; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; A, average; E, estimated]

Sample date-time	Dissolved solids, water, filtered, tons per acre-foot (70303)	Noncarbon						Sodium fraction of cations, water, percent in equiva- lents of major cations (00932)	Sodium, water, filtered, mg/L (00930)	Alkalinity, water, filtered, inflection- point, incremental titration method, field, mg/L as CaCO <sub>3</sub> (39086)
		Hardness, water, mg/L as CaCO <sub>3</sub> (00900)	milligrams per liter as calcium carbonate (00904)	Calcium, water, filtered, mg/L (00915)	Magne- sium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)	Sodium adsorption ratio, water, number (00931)			
		ate hardness, water, filtered, field, mg/L as calcium carbonate (00904)								
11-02-2009 1045	.59	176	--	55.6	8.95	12.3	2.75	49	83.7	223
01-04-2010 1030	.56	191	--	56.8	12.0	6.87	1.84	39	58.5	A 205
01-20-2010 0945	.41	126	--	38.4	7.27	8.32	1.30	35	33.6	A 130
03-09-2010 1110	.49	166	A 11	49.3	10.5	4.19	1.50	36	44.4	A 158
05-18-2010 1145	.52	189	A 11	57.8	10.9	4.86	1.71	38	54.1	A 180
07-20-2010 0940	.61	194	--	60.0	10.8	8.20	2.18	43	70.0	A 220
09-07-2010 1130	.62	189	--	58.8	10.2	10.1	2.66	48	84.1	228

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 3 of 4

[%, percent; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; A, average; E, estimated]

Sample date-time	Bicarbonate, water, filtered, inflection- point, incremental titration method, field, mg/L (00453)						Ammonia, water, filtered, mg/L as NH <sub>4</sub> (71846)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrate, water, filtered, mg/L (71851)	Nitrate, water, filtered, mg/L as N (00618)
	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Silica, water, filtered, mg/L as SiO <sub>2</sub> (00955)	Sulfate, water, filtered, mg/L (00945)							
11-02-2009 1045	270	54.9	.62	23.6	60.6	<.026	<.020	<.04	<.177	<.040	
01-04-2010 1030	A 248	55.0	.50	21.4	60.6	<.026	<.020	<.04	<.177	<.040	
01-20-2010 0945	A 158	30.5	.34	19.7	43.3	.094	.073	.66	2.82	.638	
03-09-2010 1110	A 190	44.0	.36	20.4	55.0	<.026	<.020	.26	1.13	.255	
05-18-2010 1145	A 217	47.7	.45	19.2	55.9	<.026	<.020	E .03	E .124	E .028	
07-20-2010 0940	A 267	56.9	.52	23.7	57.2	<.026	<.020	E .02	E .093	E .021	
09-07-2010 1130	277	61.7	.58	23.1	60.5	<.026	<.020	<.04	<.177	<.040	

**10261500 Mojave River at Lower Narrows, near Victorville, CA—Continued**

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 4 of 4

[%, percent; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; P, phosphorus; SiO<sub>2</sub>, silicon dioxide; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; A, average; E, estimated]

Sample date-time	Nitrite, water, filtered, milligrams per liter (71856)	Nitrite, water, filtered, mg/L as N (00613)	Orthophos- phate, water, filtered, mg/L (00660)	Orthophos- phate, water, filtered, mg/L as P (00671)	Iron, water, filtered, µg/L (01046)	Manga- nese, water, filtered, µg/L (01056)	Arsenic, water, filtered, µg/L (01000)	Boron, water, filtered, µg/L (01020)
11-02-2009 1045	< .007	< .002	.505	.165	13	96.2	2.1	178
01-04-2010 1030	< .007	< .002	.393	.128	12	24.6	1.7	146
01-20-2010 0945	.055	.017	.423	.138	119	68.8	1.5	72
03-09-2010 1110	.012	.004	.293	.095	18	77.7	1.3	91
05-18-2010 1145	E .007	E .002	.397	.129	15	126	1.8	130
07-20-2010 0940	< .007	< .002	.581	.190	12	130	2.3	167
09-07-2010 1130	< .007	< .002	.586	.191	14	296	2.6	178

**10261500 Mojave River at Lower Narrows, near Victorville, CA—Continued**
**PH, WATER, UNFILTERED, FIELD, STANDARD UNITS**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

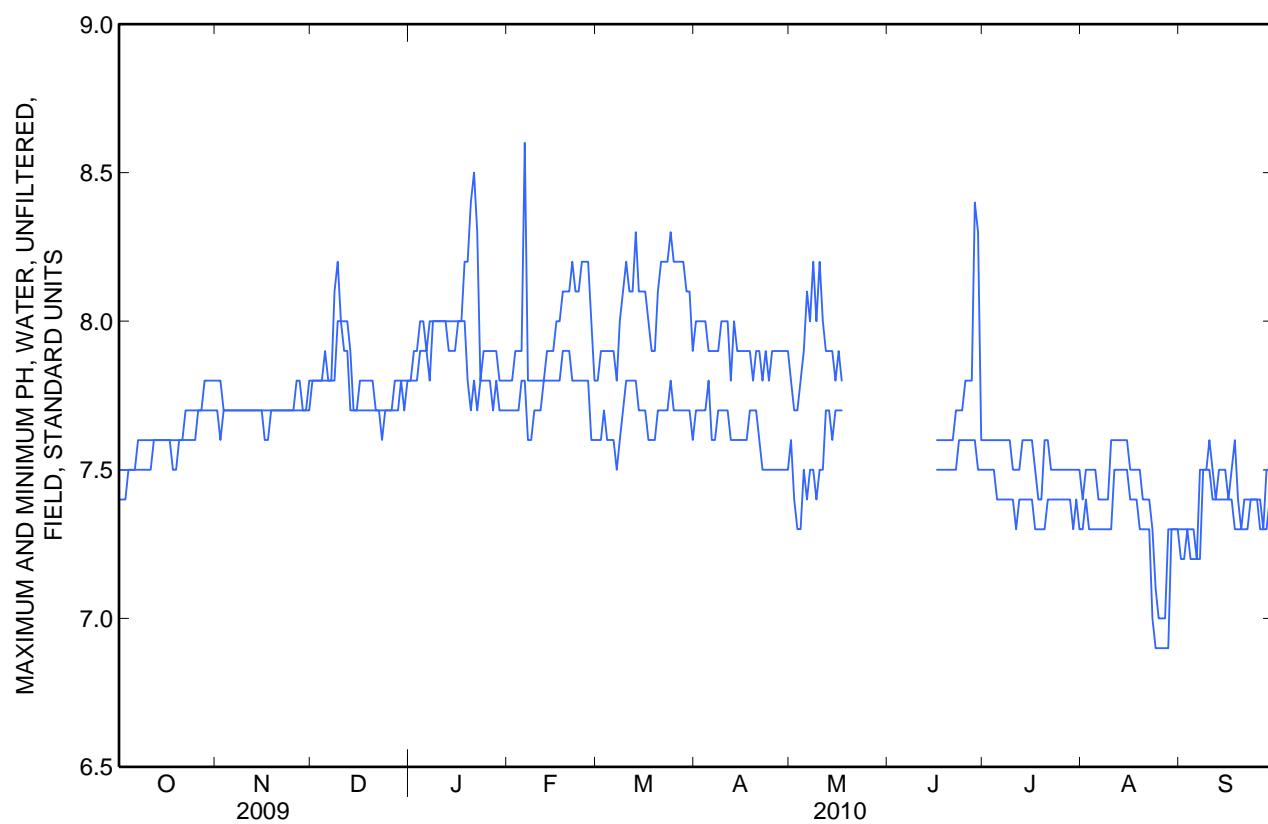
Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	7.5	7.4	7.8	7.7	7.8	7.8	7.8	7.8	7.8	7.7	7.8	7.6
2	7.5	7.4	7.8	7.6	7.8	7.8	7.9	7.8	7.8	7.7	7.9	7.6
3	7.5	7.4	7.7	7.7	7.8	7.8	7.9	7.8	7.9	7.7	7.9	7.7
4	7.5	7.5	7.7	7.7	7.8	7.8	8.0	7.9	7.9	7.7	7.9	7.6
5	7.5	7.5	7.7	7.7	7.9	7.8	8.0	7.9	7.9	7.8	7.9	7.6
6	7.5	7.5	7.7	7.7	7.8	7.8	7.9	7.9	8.6	7.8	7.9	7.6
7	7.6	7.5	7.7	7.7	7.8	7.8	8.0	7.8	7.8	7.6	7.8	7.5
8	7.6	7.5	7.7	7.7	8.1	7.8	8.0	8.0	7.8	7.6	8.0	7.6
9	7.6	7.5	7.7	7.7	8.2	8.0	8.0	8.0	7.8	7.7	8.1	7.7
10	7.6	7.5	7.7	7.7	8.0	8.0	8.0	8.0	7.8	7.7	8.2	7.8
11	7.6	7.5	7.7	7.7	8.0	7.9	8.0	8.0	7.8	7.7	8.1	7.8
12	7.6	7.6	7.7	7.7	8.0	7.9	8.0	8.0	7.8	7.8	8.1	7.8
13	7.6	7.6	7.7	7.7	7.9	7.7	8.0	7.9	7.9	7.8	8.3	7.8
14	7.6	7.6	7.7	7.7	7.7	7.7	8.0	7.9	7.9	7.8	8.1	7.7
15	7.6	7.6	7.7	7.7	7.7	7.7	8.0	7.9	7.9	7.8	8.1	7.7
16	7.6	7.6	7.7	7.6	7.8	7.7	8.0	8.0	8.0	7.8	8.1	7.7
17	7.6	7.6	7.7	7.6	7.8	7.7	8.0	8.0	8.0	7.8	8.0	7.6
18	7.6	7.5	7.7	7.7	7.8	7.7	8.2	8.0	8.1	7.9	7.9	7.6
19	7.6	7.5	7.7	7.7	7.8	7.7	8.2	7.8	8.1	7.9	7.9	7.6
20	7.6	7.6	7.7	7.7	7.8	7.7	8.4	7.7	8.1	7.9	8.1	7.7
21	7.6	7.6	7.7	7.7	7.7	7.7	8.5	7.8	8.2	7.8	8.2	7.7
22	7.7	7.6	7.7	7.7	7.7	7.7	8.3	7.7	8.1	7.8	8.2	7.7
23	7.7	7.6	7.7	7.7	7.7	7.6	7.8	7.8	8.1	7.8	8.2	7.7
24	7.7	7.6	7.7	7.7	7.7	7.7	7.9	7.8	8.2	7.8	8.3	7.8
25	7.7	7.6	7.7	7.7	7.7	7.7	7.9	7.8	8.2	7.8	8.2	7.7
26	7.7	7.7	7.8	7.7	7.7	7.7	7.9	7.8	8.2	7.8	8.2	7.7
27	7.7	7.7	7.8	7.7	7.8	7.7	7.9	7.7	8.0	7.6	8.2	7.7
28	7.8	7.7	7.7	7.7	7.8	7.7	7.9	7.8	7.8	7.6	8.2	7.7
29	7.8	7.7	7.7	7.7	7.8	7.8	7.8	7.7	---	---	8.1	7.7
30	7.8	7.7	7.8	7.7	7.8	7.7	7.8	7.7	---	---	8.1	7.7
31	7.8	7.7	---	---	7.8	7.8	7.8	7.7	---	---	7.9	7.6
<b>Month</b>	7.8	7.4	7.8	7.6	8.2	7.6	8.5	7.7	8.6	7.6	8.3	7.5

## Water-Data Report 2010

**10261500 Mojave River at Lower Narrows, near Victorville, CA—Continued****PH, WATER, UNFILTERED, FIELD, STANDARD UNITS  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

<b>Day</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>
	<b>April</b>		<b>May</b>		<b>June</b>		<b>July</b>		<b>August</b>		<b>September</b>	
<b>1</b>	8.0	7.7	7.8	7.6	---	---	7.6	7.5	7.4	7.3	7.3	7.2
<b>2</b>	8.0	7.7	7.7	7.4	---	---	7.6	7.5	7.5	7.4	7.3	7.2
<b>3</b>	8.0	7.7	7.7	7.3	---	---	7.6	7.5	7.5	7.3	7.3	7.3
<b>4</b>	8.0	7.7	7.8	7.3	---	---	7.6	7.5	7.5	7.3	7.3	7.2
<b>5</b>	7.9	7.8	7.9	7.5	---	---	7.6	7.4	7.5	7.3	7.3	7.2
<b>6</b>	7.9	7.6	8.1	7.4	---	---	7.6	7.4	7.4	7.3	7.2	7.2
<b>7</b>	7.9	7.6	8.0	7.5	---	---	7.6	7.4	7.4	7.3	7.5	7.2
<b>8</b>	7.9	7.7	8.2	7.5	---	---	7.6	7.4	7.4	7.3	7.5	7.5
<b>9</b>	8.0	7.7	8.0	7.4	---	---	7.6	7.4	7.4	7.3	7.5	7.5
<b>10</b>	8.0	7.7	8.2	7.5	---	---	7.5	7.4	7.6	7.3	7.6	7.5
<b>11</b>	8.0	7.7	8.0	7.5	---	---	7.5	7.3	7.6	7.5	7.5	7.4
<b>12</b>	7.8	7.6	7.9	7.7	---	---	7.5	7.4	7.6	7.5	7.4	7.4
<b>13</b>	8.0	7.6	7.9	7.7	---	---	7.6	7.4	7.6	7.5	7.5	7.4
<b>14</b>	7.9	7.6	7.9	7.6	---	---	7.6	7.4	7.6	7.5	7.5	7.4
<b>15</b>	7.9	7.6	7.8	7.7	---	---	7.6	7.4	7.6	7.5	7.5	7.4
<b>16</b>	7.9	7.6	7.9	7.7	7.6	7.5	7.6	7.4	7.5	7.4	7.4	7.4
<b>17</b>	7.9	7.6	7.8	7.7	7.6	7.5	7.5	7.3	7.5	7.4	7.5	7.4
<b>18</b>	7.9	7.7	---	---	7.6	7.5	7.4	7.3	7.5	7.4	7.6	7.3
<b>19</b>	7.8	7.7	---	---	7.6	7.5	7.4	7.3	7.5	7.3	7.4	7.3
<b>20</b>	7.9	7.7	---	---	7.6	7.5	7.6	7.3	7.4	7.3	7.3	7.3
<b>21</b>	7.9	7.6	---	---	7.6	7.5	7.6	7.4	7.4	7.3	7.4	7.3
<b>22</b>	7.8	7.5	---	---	7.7	7.5	7.5	7.4	7.4	7.3	7.4	7.3
<b>23</b>	7.9	7.5	---	---	7.7	7.6	7.5	7.4	7.3	7.0	7.4	7.4
<b>24</b>	7.8	7.5	---	---	7.7	7.6	7.5	7.4	7.1	6.9	7.4	7.4
<b>25</b>	7.9	7.5	---	---	7.8	7.6	7.5	7.4	7.0	6.9	7.4	7.4
<b>26</b>	7.9	7.5	---	---	7.8	7.6	7.5	7.4	7.0	6.9	7.4	7.3
<b>27</b>	7.9	7.5	---	---	7.8	7.6	7.5	7.4	7.0	6.9	7.3	7.3
<b>28</b>	7.9	7.5	---	---	8.4	7.6	7.5	7.4	7.3	6.9	7.5	7.3
<b>29</b>	7.9	7.5	---	---	8.3	7.5	7.5	7.3	7.3	7.3	7.5	7.4
<b>30</b>	7.9	7.5	---	---	7.6	7.5	7.5	7.4	7.3	7.3	7.5	7.4
<b>31</b>	---	---	---	---	---	---	7.5	7.3	7.3	7.3	---	---
<b>Month</b>	8.0	7.5	---	---	---	---	7.6	7.3	7.6	6.9	7.6	7.2

**10261500 Mojave River at Lower Narrows, near Victorville, CA—Continued**



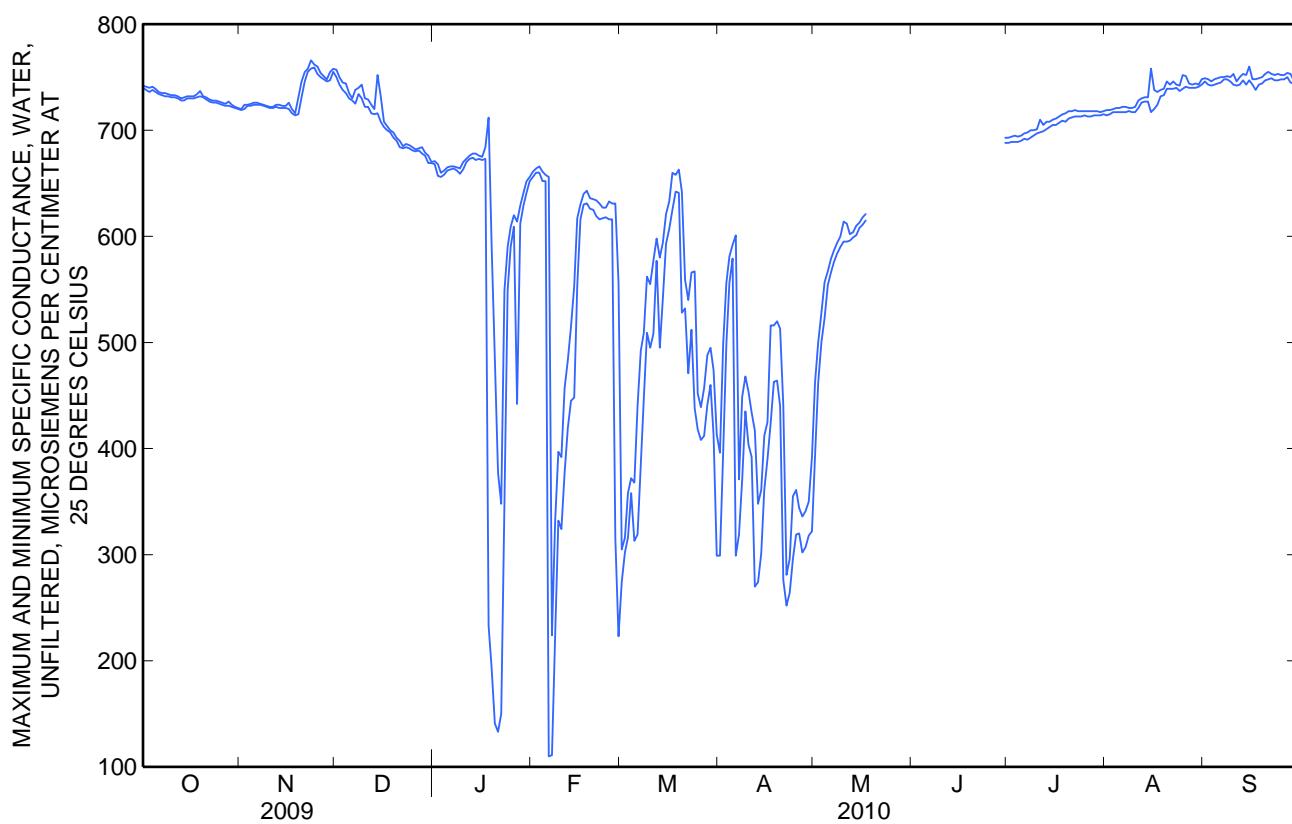
## Water-Data Report 2010

**10261500 Mojave River at Lower Narrows, near Victorville, CA—Continued**
**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	<b>October</b>		<b>November</b>		<b>December</b>		<b>January</b>		<b>February</b>		<b>March</b>	
<b>1</b>	742	740	720	719	757	750	671	668	661	656	305	274
<b>2</b>	741	738	724	720	750	743	668	657	664	660	316	302
<b>3</b>	740	736	724	723	745	738	660	656	666	660	358	316
<b>4</b>	741	738	725	723	744	735	662	658	661	652	372	358
<b>5</b>	739	736	726	724	735	730	665	662	658	652	368	313
<b>6</b>	736	734	726	724	730	728	666	663	656	110	440	319
<b>7</b>	735	733	725	724	738	725	666	664	224	111	492	384
<b>8</b>	735	732	724	723	740	734	665	662	332	224	509	447
<b>9</b>	734	732	723	722	743	730	664	659	397	332	562	509
<b>10</b>	733	731	722	721	730	722	670	663	392	324	555	495
<b>11</b>	733	731	722	721	729	722	673	670	457	377	577	508
<b>12</b>	732	730	724	722	724	716	676	673	483	419	598	577
<b>13</b>	730	728	724	721	720	715	678	674	515	445	580	495
<b>14</b>	731	728	723	721	752	716	678	672	553	448	594	541
<b>15</b>	732	730	723	721	732	708	676	673	617	553	621	593
<b>16</b>	732	730	726	720	708	703	675	672	630	616	633	607
<b>17</b>	732	730	720	716	704	700	684	673	640	630	660	625
<b>18</b>	734	731	716	714	700	698	712	233	643	631	658	642
<b>19</b>	737	732	731	715	698	693	591	193	636	626	663	641
<b>20</b>	732	731	746	731	693	690	485	141	635	625	642	528
<b>21</b>	731	729	755	746	690	684	377	133	634	619	559	532
<b>22</b>	729	727	758	755	685	683	348	150	631	616	540	471
<b>23</b>	728	726	766	758	687	684	549	348	627	617	566	512
<b>24</b>	728	726	762	759	686	683	590	549	627	618	567	438
<b>25</b>	727	725	760	753	684	681	609	590	633	616	452	418
<b>26</b>	726	724	754	750	682	680	620	609	631	616	439	408
<b>27</b>	725	723	751	748	683	681	614	442	631	316	457	412
<b>28</b>	727	723	748	746	684	678	629	612	556	223	488	441
<b>29</b>	724	722	755	747	679	676	641	629	---	---	495	460
<b>30</b>	722	721	758	755	676	669	652	641	---	---	474	413
<b>31</b>	721	720	---	---	670	669	656	652	---	---	413	299
<b>Month</b>	742	720	766	714	757	669	712	133	666	110	663	274

**10261500 Mojave River at Lower Narrows, near Victorville, CA—Continued****SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

<b>Day</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>
	<b>April</b>		<b>May</b>		<b>June</b>		<b>July</b>		<b>August</b>		<b>September</b>	
<b>1</b>	396	299	462	392	---	---	693	688	719	714	749	746
<b>2</b>	498	396	500	462	---	---	694	689	719	715	748	743
<b>3</b>	556	498	528	500	---	---	695	689	720	717	746	742
<b>4</b>	581	556	557	523	---	---	694	689	721	717	748	743
<b>5</b>	592	579	567	554	---	---	695	690	721	717	749	744
<b>6</b>	601	299	579	566	---	---	697	692	722	717	750	745
<b>7</b>	371	319	587	576	---	---	698	691	722	717	750	748
<b>8</b>	449	371	594	584	---	---	700	693	721	718	751	748
<b>9</b>	468	435	600	590	---	---	700	695	721	717	750	746
<b>10</b>	454	404	614	595	---	---	701	697	722	717	753	743
<b>11</b>	434	392	612	595	---	---	710	698	728	721	746	742
<b>12</b>	417	270	602	596	---	---	705	699	730	726	750	743
<b>13</b>	348	274	604	599	---	---	708	701	731	727	753	747
<b>14</b>	361	301	610	601	---	---	708	703	731	727	752	743
<b>15</b>	412	361	613	608	---	---	710	705	758	717	760	747
<b>16</b>	425	390	618	611	---	---	711	705	738	720	748	743
<b>17</b>	516	424	621	615	---	---	713	707	736	724	748	738
<b>18</b>	516	463	---	---	---	---	715	709	738	732	749	743
<b>19</b>	520	464	---	---	---	---	716	708	739	733	750	744
<b>20</b>	513	440	---	---	---	---	718	711	746	739	753	747
<b>21</b>	440	276	---	---	---	---	718	712	743	739	755	748
<b>22</b>	281	252	---	---	---	---	719	713	746	739	753	749
<b>23</b>	296	264	---	---	---	---	718	713	743	740	752	747
<b>24</b>	355	296	---	---	---	---	718	713	742	737	753	747
<b>25</b>	361	319	---	---	---	---	718	714	752	739	752	748
<b>26</b>	344	320	---	---	---	---	718	713	751	741	752	748
<b>27</b>	336	302	---	---	---	---	718	713	744	740	754	750
<b>28</b>	341	307	---	---	---	---	718	714	743	740	753	745
<b>29</b>	350	318	---	---	---	---	718	714	744	740	747	744
<b>30</b>	392	322	---	---	693	688	717	714	743	741	747	743
<b>31</b>	---	---	---	---	---	---	718	715	748	743	---	---
<b>Month</b>	601	252	---	---	---	---	719	688	758	714	760	738

**10261500 Mojave River at Lower Narrows, near Victorville, CA—Continued**

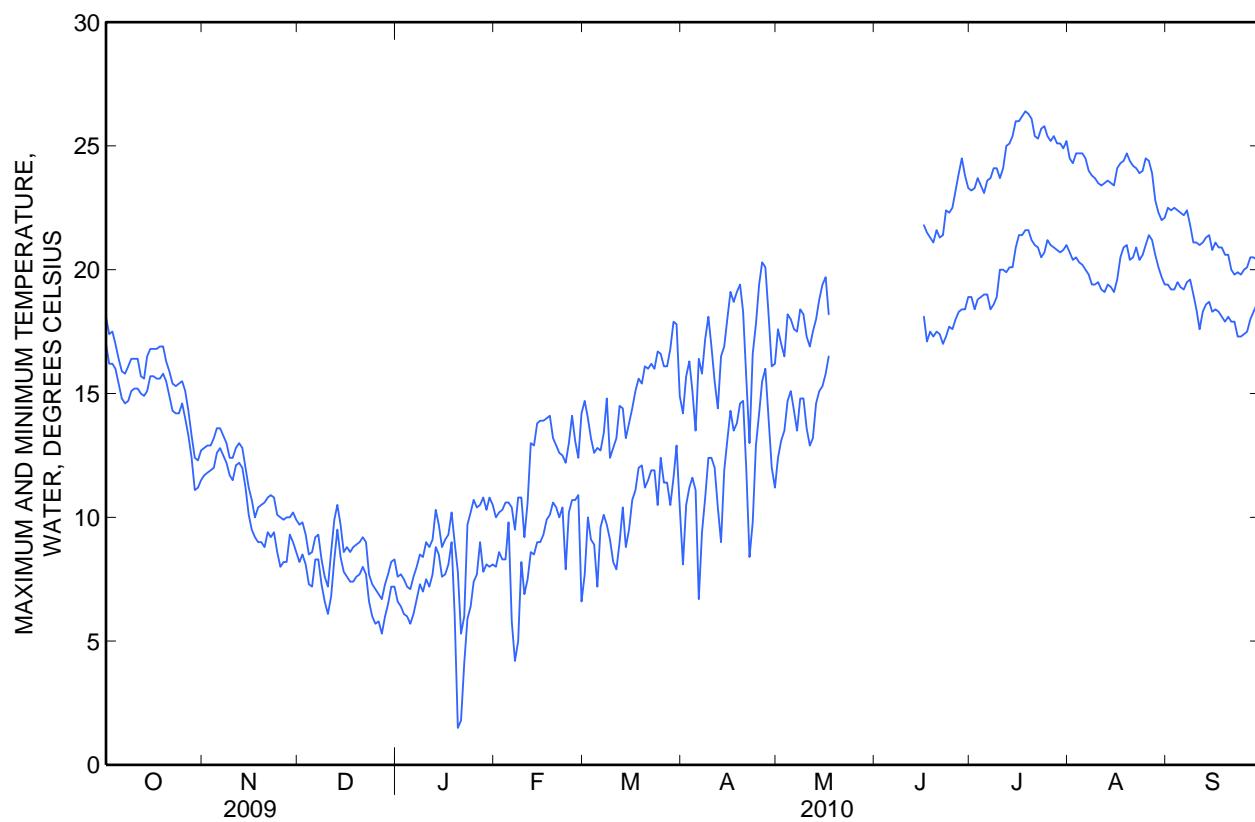
**10261500 Mojave River at Lower Narrows, near Victorville, CA—Continued**
**TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

<b>Day</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>
	<b>October</b>		<b>November</b>		<b>December</b>		<b>January</b>		<b>February</b>		<b>March</b>	
<b>1</b>	18.1	17.0	12.8	11.7	9.7	8.2	7.6	6.6	10.0	8.0	14.7	7.7
<b>2</b>	17.4	16.2	12.9	11.8	9.8	8.5	7.7	6.4	10.2	8.6	14.0	10.0
<b>3</b>	17.5	16.2	12.9	11.9	9.3	8.1	7.5	6.1	10.3	8.3	13.2	9.1
<b>4</b>	17.0	16.0	13.2	12.0	8.5	7.3	7.2	6.0	10.6	8.3	12.6	8.9
<b>5</b>	16.4	15.4	13.6	12.6	8.6	7.2	7.1	5.7	10.6	9.8	12.8	7.2
<b>6</b>	15.9	14.8	13.6	12.8	9.2	8.3	7.6	6.1	10.4	5.8	12.7	9.6
<b>7</b>	15.8	14.6	13.3	12.5	9.3	8.3	8.0	6.7	9.5	4.2	13.4	10.1
<b>8</b>	16.1	14.7	13.0	12.2	8.3	7.3	8.5	7.3	10.8	5.0	14.8	9.7
<b>9</b>	16.4	15.1	12.4	11.7	7.6	6.6	8.4	7.0	10.8	8.2	12.4	9.1
<b>10</b>	16.4	15.2	12.4	11.5	7.2	6.1	9.0	7.5	9.2	6.9	12.8	8.2
<b>11</b>	16.4	15.2	12.8	12.1	8.6	6.8	8.8	7.2	10.6	7.5	13.2	7.9
<b>12</b>	15.7	15.0	13.0	12.2	9.9	8.3	9.1	7.7	13.0	8.6	14.5	9.0
<b>13</b>	15.6	14.9	12.8	12.0	10.5	9.5	10.3	8.8	12.9	8.5	14.4	10.4
<b>14</b>	16.5	15.1	12.0	11.2	9.7	8.4	9.7	8.5	13.8	9.0	13.2	8.8
<b>15</b>	16.8	15.7	11.2	10.1	8.6	7.8	8.8	7.6	13.9	9.0	13.8	9.5
<b>16</b>	16.8	15.7	10.7	9.5	8.8	7.6	9.1	7.7	13.9	9.3	14.4	10.7
<b>17</b>	16.8	15.6	10.0	9.2	8.6	7.4	9.3	8.1	14.0	9.9	15.1	11.1
<b>18</b>	16.9	15.6	10.4	9.0	8.8	7.4	10.2	9.0	14.1	10.1	15.6	12.0
<b>19</b>	16.9	15.8	10.5	9.0	8.9	7.6	9.0	6.1	13.2	10.6	15.4	12.1
<b>20</b>	16.3	15.5	10.6	8.8	9.0	7.7	7.8	1.5	12.9	10.4	16.1	11.2
<b>21</b>	15.9	14.9	10.8	9.4	9.2	8.0	5.3	1.8	12.6	10.0	16.0	11.5
<b>22</b>	15.4	14.3	10.9	9.2	9.0	7.7	6.0	4.1	12.5	10.4	16.2	11.9
<b>23</b>	15.3	14.2	10.8	9.4	7.7	6.6	9.7	5.9	12.2	7.9	16.0	11.9
<b>24</b>	15.4	14.2	10.1	8.6	7.3	6.0	10.2	6.4	13.0	10.2	16.7	10.5
<b>25</b>	15.5	14.6	10.0	8.0	7.1	5.7	10.7	7.4	14.1	10.7	16.6	12.4
<b>26</b>	15.1	14.0	9.9	8.2	6.9	5.8	10.4	7.7	13.1	10.7	16.1	11.4
<b>27</b>	14.3	13.3	10.0	8.2	6.7	5.3	10.5	9.0	12.4	10.9	16.1	11.4
<b>28</b>	13.3	12.4	10.0	9.3	7.3	6.0	10.8	7.8	14.2	6.6	16.8	10.5
<b>29</b>	12.4	11.1	10.2	9.0	7.7	6.5	10.3	8.1	---	---	17.9	11.6
<b>30</b>	12.3	11.2	9.9	8.6	8.2	7.2	10.8	8.0	---	---	17.8	12.9
<b>31</b>	12.7	11.5	---	---	8.3	7.2	10.5	8.1	---	---	14.9	10.4
<b>Month</b>	18.1	11.1	13.6	8.0	10.5	5.3	10.8	1.5	14.2	4.2	17.9	7.2

**10261500 Mojave River at Lower Narrows, near Victorville, CA—Continued**
**TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

<b>Day</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>
	<b>April</b>		<b>May</b>		<b>June</b>		<b>July</b>		<b>August</b>		<b>September</b>	
<b>1</b>	14.2	8.1	17.6	12.4	---	---	23.2	18.9	24.5	20.7	22.5	19.4
<b>2</b>	15.7	10.5	17.0	13.1	---	---	23.3	18.4	24.3	20.4	22.4	19.2
<b>3</b>	16.3	11.2	16.5	13.5	---	---	23.7	18.8	24.7	20.5	22.5	19.2
<b>4</b>	15.1	11.6	18.2	14.7	---	---	23.4	18.9	24.7	20.3	22.4	19.5
<b>5</b>	13.5	11.1	18.0	15.1	---	---	23.1	19.0	24.7	20.2	22.3	19.3
<b>6</b>	16.4	6.7	17.6	14.3	---	---	23.6	19.0	24.5	20.0	22.2	19.2
<b>7</b>	15.8	9.4	17.5	13.5	---	---	23.7	18.4	24.0	19.8	22.4	19.5
<b>8</b>	17.2	10.8	18.4	14.8	---	---	24.1	18.6	23.8	19.4	21.8	19.6
<b>9</b>	18.1	12.4	18.2	14.8	---	---	24.1	18.9	23.7	19.4	21.1	19.0
<b>10</b>	16.9	12.4	17.3	13.6	---	---	23.7	20.0	23.5	19.5	21.1	18.4
<b>11</b>	15.5	12.0	16.9	12.9	---	---	24.1	20.0	23.4	19.2	21.0	17.6
<b>12</b>	14.4	10.4	17.5	13.2	---	---	25.0	19.9	23.5	19.1	21.1	18.3
<b>13</b>	16.5	9.0	18.0	14.6	---	---	25.1	20.1	23.6	19.4	21.3	18.6
<b>14</b>	16.9	11.9	18.8	15.1	---	---	25.4	20.1	23.5	19.3	21.4	18.7
<b>15</b>	18.0	13.1	19.4	15.3	---	---	26.0	20.9	23.4	19.1	20.8	18.3
<b>16</b>	19.1	14.3	19.7	15.8	21.8	18.1	26.0	21.4	24.1	19.6	21.1	18.4
<b>17</b>	18.7	13.5	18.2	16.5	21.5	17.1	26.2	21.4	24.3	20.5	20.9	18.3
<b>18</b>	19.1	13.8	---	---	21.3	17.5	26.4	21.6	24.4	20.9	20.9	18.1
<b>19</b>	19.4	14.6	---	---	21.1	17.3	26.3	21.6	24.7	21.0	20.6	17.9
<b>20</b>	18.3	14.7	---	---	21.6	17.5	26.1	21.2	24.4	20.4	20.6	18.1
<b>21</b>	15.6	11.9	---	---	21.3	17.4	25.4	21.0	24.2	20.5	20.0	17.9
<b>22</b>	13.0	8.4	---	---	21.4	17.0	25.3	20.9	24.1	20.9	19.8	17.9
<b>23</b>	16.6	9.8	---	---	22.4	17.3	25.7	20.5	23.9	20.4	19.9	17.3
<b>24</b>	17.8	12.9	---	---	22.3	17.7	25.8	20.7	24.0	20.6	19.8	17.3
<b>25</b>	19.4	14.2	---	---	22.5	17.6	25.4	21.2	24.5	21.0	20.0	17.4
<b>26</b>	20.3	15.5	---	---	23.2	18.0	25.2	21.0	24.4	21.4	20.1	17.5
<b>27</b>	20.1	16.0	---	---	23.9	18.3	25.4	20.9	23.9	21.2	20.5	18.0
<b>28</b>	18.2	14.0	---	---	24.5	18.4	25.1	20.8	22.8	20.6	20.5	18.3
<b>29</b>	16.1	12.0	---	---	23.8	18.4	25.1	20.7	22.3	20.1	20.4	18.6
<b>30</b>	16.2	11.2	---	---	23.3	18.9	24.9	20.8	22.0	19.7	20.0	18.7
<b>31</b>	---	---	---	---	---	---	25.2	21.0	22.1	19.4	---	---
<b>Month</b>	20.3	6.7	---	---	---	---	26.4	18.4	24.7	19.1	22.5	17.3

**10261500 Mojave River at Lower Narrows, near Victorville, CA—Continued**



**10261500 Mojave River at Lower Narrows, near Victorville, CA—Continued**
**CROSS SECTION ANALYSES**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

[%; percent; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter]

Sample date-time	Barometric pressure, mm Hg (00025)	Dissolved oxygen, water, unfiltered, % saturation (00300)			Specific conductance, water, unfiltered, µS/cm at 25 °C (00095)			Temperature, water, °C (00010)	Depth to bottom at sample location, ft (81903)	Stream width, ft (00004)	Location in cross section, distance from left bank looking downstream, ft (00009)
		Dissolved oxygen, water, unfiltered,	pH, water, unfiltered,	field, standard units (00400)	tance, water, unfiltered, µS/cm at 25 °C (00095)						
11-02-2009 1042	696	5.4	56	7.6	723	12.6	.50	6.00	5.00		
11-02-2009 1043	696	5.0	52	7.6	722	12.6	.50	6.00	4.50		
11-02-2009 1044	696	5.0	52	7.6	721	12.6	.47	6.00	4.00		
11-02-2009 1045	696	5.0	52	7.6	721	12.5	.49	6.00	3.50		
11-02-2009 1046	696	5.1	52	7.6	721	12.4	.48	6.00	3.00		
11-02-2009 1047	696	5.4	56	7.6	721	12.4	.50	6.00	2.50		
11-02-2009 1048	696	5.5	57	7.6	722	12.4	.50	6.00	2.00		
11-02-2009 1049	696	5.5	57	7.6	722	12.4	.49	6.00	1.50		
11-02-2009 1050	696	5.7	59	7.6	722	12.4	.48	6.00	1.00		
11-02-2009 1051	696	5.9	61	7.6	724	12.5	.44	6.00	.50		
09-07-2010 1105	--	3.0	--	7.5	736	22.3	--	10.5	9.70		
09-07-2010 1106	--	2.9	--	7.5	740	22.1	--	10.5	8.70		
09-07-2010 1107	--	2.9	--	7.5	744	21.9	--	10.5	7.70		
09-07-2010 1108	--	2.8	--	7.5	743	21.8	--	10.5	6.70		
09-07-2010 1109	--	2.7	--	7.5	744	21.7	--	10.5	5.70		
09-07-2010 1110	--	2.7	--	7.5	746	21.7	--	10.5	4.70		
09-07-2010 1111	--	2.7	--	7.5	746	21.7	--	10.5	3.70		
09-07-2010 1112	--	2.7	--	7.4	747	21.8	--	10.5	2.70		
09-07-2010 1113	--	3.6	--	7.5	746	21.9	--	10.5	1.70		

Note: Instantaneous discharge at the mean time of cross-sectional measurements: Nov. 2, 1.6 ft³/s; Sept. 7, 1.2 ft³/s.