

**09380000 COLORADO RIVER AT LEES FERRY, AZ**

Upper Colorado-Dirty Devil Basin  
Lower Lake Powell Subbasin

LOCATION.--Lat 36°51'53", long 111°35'15" referenced to North American Datum of 1927, in NE ¼ SE ¼ sec.13, T.40 N., R.7 E., Coconino County, AZ, Hydrologic Unit 14070006, in Navajo Indian Reservation, on left bank at head of Marble Gorge at Lees Ferry, just upstream from Paria River, 16 mi downstream from Glen Canyon Dam, 28 mi downstream from Utah-Arizona State line, and 61.5 mi upstream from Little Colorado River.

DRAINAGE AREA.--111,800 mi<sup>2</sup>, approximately, including 3,959 mi<sup>2</sup> in Great Divide Basin in southern Wyoming which is noncontributing (previously considered part of the Missouri River basin).

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Jan. 1895 to current year. Estimates of monthly and annual discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 859: 1921-23. WSP 1313: 1914-21.

GAGE.--Water-stage recorder. Datum of gage is 3,106.16 ft above sea level. Prior to Jan. 19, 1923, nonrecording gages or reference points within 400 ft of present gage, at different datums.

REMARKS.--Records good. Flow regulated since Mar. 13, 1963, by Lake Powell, 16 mi upstream. Many diversions above Lake Powell for irrigation, municipal, and industrial use. No diversions or inflow between Lake Powell and the gage.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--51 years (water years 1912-62), 17,850 ft<sup>3</sup>/s, 12,930,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--1895-1962: Maximum discharge, 220,000 ft<sup>3</sup>/s June 18, 1921, gage height, 26.5 ft, from floodmarks, from rating curve extended above 120,000 ft<sup>3</sup>/s on basis of discharge computed for station near Grand Canyon; minimum, 750 ft<sup>3</sup>/s Dec. 27, 1924. 1963-2000: Maximum discharge, 97,300 ft<sup>3</sup>/s June 29, 1983, gage height, 18.14 ft; minimum daily, 700 ft<sup>3</sup>/s Jan. 23, 24, 1963, result of closing coffer dam at Glen Canyon Dam.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since at least 1868, about 300,000 ft<sup>3</sup>/s July 7, 1884, gage height, 31.5 ft, present site and datum, from floodmark at mouth of Paria River, from rating curve extended above 120,000 ft<sup>3</sup>/s on basis of discharge computed for flood of June 18, 1921, for station near Grand Canyon.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,600 ft<sup>3</sup>/s, July 20, gage height, 10.16 ft; minimum daily discharge, 7,960 ft<sup>3</sup>/s, May 25.

## 09380000 COLORADO RIVER AT LEES FERRY, AZ—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**  
**DAILY MEAN VALUES**

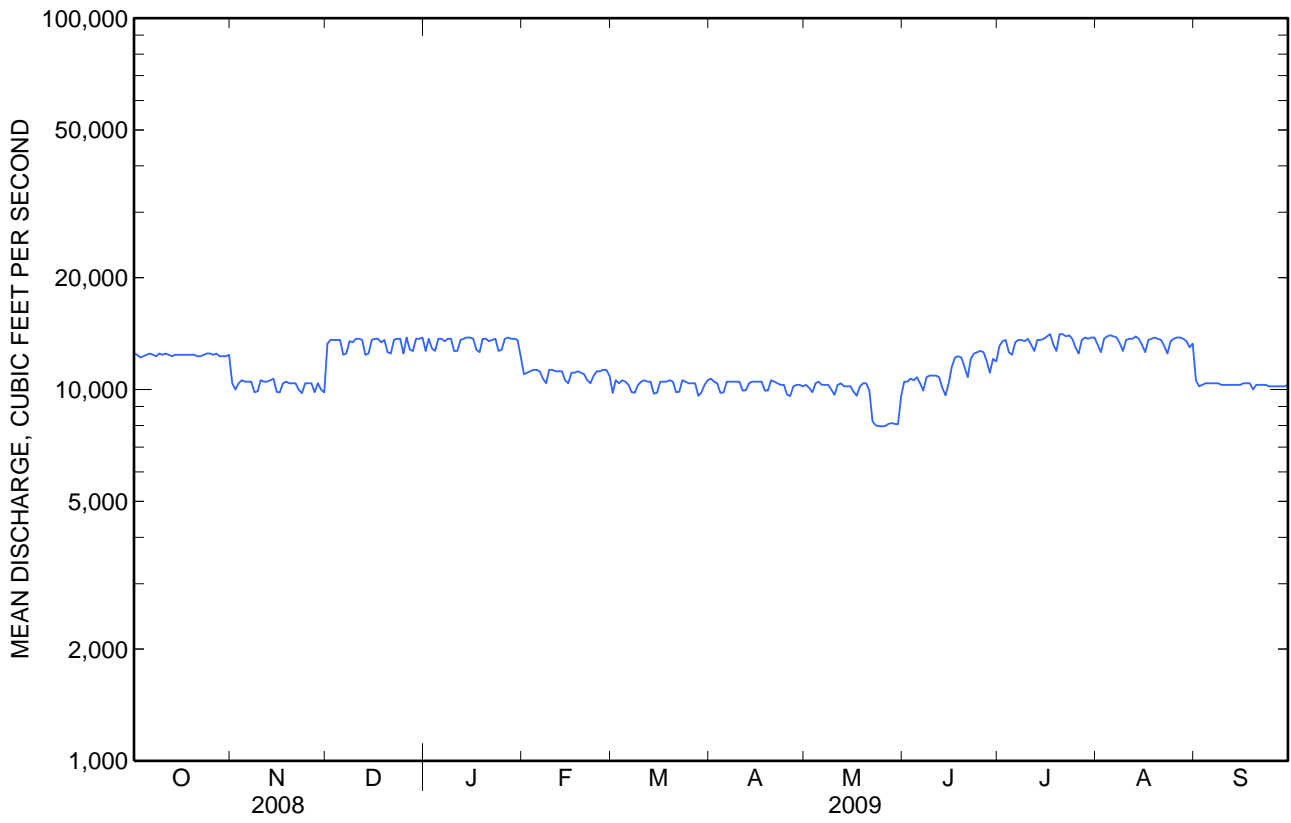
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12,500	10,400	13,300	12,700	11,000	9,800	10,700	10,300	10,500	e13,100	13,200	10,600
2	12,400	10,000	13,600	13,700	11,100	10,600	10,500	10,100	10,500	e13,500	12,600	10,200
3	12,200	10,400	13,600	12,900	11,200	10,400	10,400	9,840	10,700	13,600	13,700	10,300
4	12,300	10,600	13,600	12,700	11,300	10,600	9,800	10,400	10,600	12,600	13,900	10,400
5	12,400	e10,500	13,600	13,700	11,300	10,500	9,830	10,500	10,800	12,400	14,000	10,400
6	12,500	e10,500	12,400	13,700	11,200	10,300	10,500	10,300	10,400	13,400	13,900	10,400
7	12,400	e10,500	12,500	13,500	10,700	9,850	10,500	10,300	9,930	13,600	13,800	10,400
8	12,300	e9,840	e13,500	13,700	10,400	9,810	10,500	10,300	10,800	13,600	13,300	10,400
9	12,500	e9,890	e13,400	13,700	11,300	10,300	10,500	9,980	10,900	13,500	12,700	10,300
10	12,400	10,600	13,700	12,700	11,300	10,500	10,500	9,680	10,900	13,700	13,600	10,300
11	12,500	10,500	13,700	12,700	11,200	10,600	9,930	10,300	10,900	13,200	13,700	10,300
12	12,400	10,500	13,600	13,600	11,200	10,500	9,950	10,400	10,800	12,700	13,700	10,300
13	12,300	10,600	12,400	13,700	11,200	10,500	10,400	10,200	10,100	13,600	13,900	10,300
14	12,400	10,700	12,500	13,800	10,600	9,750	10,500	10,200	9,650	13,600	13,700	10,300
15	12,400	9,860	13,600	13,800	10,400	9,810	10,500	10,200	10,400	13,700	13,200	10,300
16	12,400	9,830	13,700	13,700	11,100	10,500	10,500	9,880	11,500	13,900	12,600	10,400
17	12,400	10,400	13,700	12,800	11,100	10,500	10,500	9,620	12,200	14,100	13,600	10,400
18	12,400	10,500	13,400	12,600	11,200	10,500	9,930	10,200	12,300	13,200	13,700	10,400
19	12,400	10,400	13,600	13,700	11,100	10,600	9,940	10,400	12,200	12,700	13,800	10,000
20	12,400	10,400	12,600	13,700	11,000	10,500	10,600	10,400	11,500	14,100	13,700	10,300
21	12,300	10,400	12,500	13,500	10,600	9,840	10,500	9,930	10,800	14,100	13,600	10,300
22	12,300	9,980	13,600	13,600	10,400	9,870	10,400	8,200	12,100	13,900	13,100	10,300
23	12,400	9,780	13,700	13,700	10,900	10,600	10,300	8,010	12,500	14,000	12,500	10,300
24	e12,500	10,400	13,700	12,700	11,200	10,500	10,300	7,970	12,600	13,700	13,500	10,200
25	12,500	10,400	12,500	12,800	11,200	10,400	9,700	7,960	12,700	13,000	13,700	10,200
26	12,400	10,400	13,800	13,700	11,300	10,400	9,600	7,980	12,600	12,500	13,800	10,200
27	12,500	9,840	12,800	13,800	11,300	10,400	10,200	8,080	11,900	13,600	13,800	10,200
28	12,300	10,400	12,700	13,700	10,900	9,620	10,300	8,120	11,100	13,800	13,700	10,200
29	12,300	10,000	13,700	13,700	---	9,820	10,300	8,080	12,100	13,700	13,500	10,200
30	12,300	9,830	13,700	13,600	---	10,300	10,200	8,070	e11,900	13,800	13,000	10,300
31	12,400	---	13,800	12,300	---	10,600	---	9,630	---	13,800	13,300	---
<b>Total</b>	384,100	308,350	412,500	414,200	308,700	318,770	308,280	295,530	337,880	417,700	417,800	309,100
<b>Mean</b>	12,390	10,280	13,310	13,360	11,020	10,280	10,280	9,533	11,260	13,470	13,480	10,300
<b>Max</b>	12,500	10,700	13,800	13,800	11,300	10,600	10,700	10,500	12,700	14,100	14,000	10,600
<b>Min</b>	12,200	9,780	12,400	12,300	10,400	9,620	9,600	7,960	9,650	12,400	12,500	10,000
<b>Med</b>	12,400	10,400	13,600	13,700	11,200	10,400	10,400	9,980	10,900	13,600	13,700	10,300
<b>Ac-ft</b>	761,900	611,600	818,200	821,600	612,300	632,300	611,500	586,200	670,200	828,500	828,700	613,100
<b>Cfsm</b>	0.11	0.09	0.12	0.12	0.10	0.09	0.09	0.09	0.10	0.12	0.12	0.09

CAL YR 2008 TOTAL 4695850 MEAN 12830 MAX 42500 MIN 8980 MED 12600 AC-FT 9314000 CFSM 0.11

WTR YR 2009 TOTAL 4232910 MEAN 11600 MAX 14100 MIN 7960 MED 11100 AC-FT 8396000 CFSM 0.10

09380000 COLORADO RIVER AT LEES FERRY, AZ—Continued



**09380000 COLORADO RIVER AT LEES FERRY, AZ—Continued****WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Jan. to July 1926, Oct. 1926 to June 1927, Aug. 1928 to Dec. 1933, Nov. 1942 to Oct. 1945, Oct. 1947 to current year.

PERIOD OF DAILY RECORD.--SPECIFIC CONDUCTANCE:Oct. 1964 to Sept. 1981, Feb. 1982 to Dec. 1987, Oct. 1989 to Mar. 2003., Feb. 2004 to current year.

pH:Aug. 1990 to Apr. 1993.

WATER TEMPERATURE:July 1949 to Sept. 1981, Feb. 1982 to Dec. 1987, Oct. 1989 to Mar. 2003, Feb. 2004 to current year.

DISSOLVED OXYGEN:Aug. 1990 to Apr. 1993.

SUSPENDED-SEDIMENT DISCHARGE:Oct. 1928 to Dec. 1933, Nov. 1942 to Sept. 1944, Oct. 1947 to Sept. 1965.

TURBIDITY:Oct. 1998 to Sept. 2000, minimum daily values.

INSTRUMENTATION.--Specific conductance and water temperature recorder Mar. 1977 to Sept. 1981, Feb. 1982 to Dec. 1987, and Oct. 1990 to current; dissolved-oxygen recorder Aug. 1990 to Apr. 1993.

REMARKS.--Daily water temperature and specific conductance records good. Unpublished daily specific conductance measurements for period Nov. 1942 Oct. 1947 to Sept. 1964 available from District Office in Tucson, AZ. Extreme value for the period of record include only those obtained after a normal from Glen Canyon Dam was started after July 31, 1965.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: (Aug. 1965 to Sept. 1981, Feb. 1982 to Dec. 1987, Oct. 1990 to current year).-Maximum, 1,260 microsiemens, Apr. 20,21, 1967; 460 microsiemens, Aug. 10, 1965.

pH:-Maximum 8.3, on many days in Jan. to Apr. and June 1991;-Minimum 7.6, on several days in Nov. and Dec. 1990, and Mar. 1991.

WATER TEMPERATURE: (Aug. 1965 to Sept. 1981, Feb. 1982 to Dec. 1987, Oct. 1990 to current year).-Maximum, 21.0 C on several days during Aug., 1967, 1968;-Minimum, 2.0 C on Jan. 29, 30, 1970.

DISSOLVED OXYGEN:-Maximum recorded, 11.2 mg/L, Apr. 29, 1991;-Minimum recorded, 6.4 mg/L, Sept. 18, 1991.

TURBIDITY:-Minimum daily, less than 1.0 NTU on most days.

**WATER-QUALITY DATA****WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 1 of 5

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; k, counts outside acceptable range; n, below the LRL and above the LT-MDL.]

Date	Time	Medium name	Sample type code	Baro-metric pressure, mm Hg (00025)	Temper-ature, air, deg C (00020)	Instan-taneous dis-charge, ft <sup>3</sup> /s (00061)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif-ic conduc-tance, wat unf 25 degC (00095)
<b>Dec</b>										
<b>01...</b>	1445	Surface water	9	629	17.4	15,500	7.4	85	7.6	706
<b>Feb</b>										
<b>10...</b>	1130	Surface water	9	678	5.8	13,200	8.1	78	8.0	716
<b>May</b>										
<b>19...</b>	1305	Surface water	9	681	28.1	11,300	8.5	84	8.1	730
<b>Aug</b>										
<b>04...</b>	1110	Surface water	9	685	22.7	12,100	7.8	78	8.1	695

## 09380000 COLORADO RIVER AT LEES FERRY, AZ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 2 of 5

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; k, counts outside acceptable range; n, below the LRL and above the LT-MDL.]

Date	Temperature, water, deg C (00010)	Turbidity, white light, det ang 90+/-30 corrctd NTRU (63676)	Dissolved solids, dried @ 180degC wat flt mg/L (70300)	Dissolved solids, sum of constituents, mg/L (70301)	Dissolved solids, water, tons/ acre-ft (70303)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Suspended solids, water, unfltrd mg/L (00530)	Calcium water, unfltrd, mg/L (00915)	Calcium water, recover-able, mg/L (00916)	Magnesium, water, unfltrd, recover-able, mg/L (00925)	Magnesium, water, unfltrd, recover-able, mg/L (00927)	Potassium, water, unfltrd, mg/L (00935)
Dec 01...	12.7	<2.0	456	413	.62	240	150	<15	63.2	61.8	19.8	19.3	3.35
Feb 10...	8.2	<2.0	452	E423	.61	240	120	<15	63.9	63.0	19.0	19.4	3.23
May 19...	9.8	E3.2b	469	E435	.64	250	120	<15	65.4	61.1	19.9	18.9	2.97
Aug 04...	10.5	E2.6b	436	E415	.59	240	110	<15	62.5	59.5	19.5	19.4	2.99

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 3 of 5

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; k, counts outside acceptable range; n, below the LRL and above the LT-MDL.]

Date	Sodium adsorption ratio (00931)	Sodium, water, mg/L (00930)	Alkalinity, water unfltrd, mg/L as CaCO3 (39086)	Bicarbonate, water unfltrd, mg/L (00453)	Carbonate, water unfltrd, mg/L (00452)	Chloride, water, unfltrd, mg/L (00940)	Fluoride, water, unfltrd, mg/L (00950)	Sulfate, water, unfltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, unfltrd, mg/L as N (00608)	Nitrate + nitrite, water, unfltrd, mg/L as N (00631)	Phosphorus, water, unfltrd, mg/L as P (00665)	Total nitrogen, water, unfltrd, mg/L (00600)
Dec 01...	1.6	56.1	94	114	<1	38.2	.29	175	.28	<.020	.26	<.02	.54
Feb 10...	1.5	53.9	124	150	<1	38.5	.28	170	.19	<.020	.33	<.02	.52
May 19...	1.5	54.3	129	154	1	41.2	.28	172	.20	<.020	.32	<.02	.51
Aug 04...	1.5	52.4	127	152	1	37.6	.24	163	.15	<.020	.31	<.02	.46

09380000 COLORADO RIVER AT LEES FERRY, AZ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 4 of 5

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; k, counts outside acceptable range; n, below the LRL and above the LT-MDL.]

Date	E coli, modif. m-TEC, water, col/100 mL (90902)	Barium, water, unfltrd recover-able, µg/L (01007)	Beryllium, water, fltrd, µg/L (01010)	Beryllium, water, unfltrd recover-able, µg/L (01012)	Cadmium, water, fltrd, µg/L (01025)	Cadmium, water, unfltrd, µg/L (01027)	Chromium, water, unfltrd recover-able, µg/L (01034)	Copper, water, fltrd, µg/L (01040)	Copper, water, unfltrd recover-able, µg/L (01042)	Lead, water, fltrd, µg/L (01049)	Lead, water, unfltrd recover-able, µg/L (01051)	Manganese, water, unfltrd recover-able, µg/L (01055)	Mercury, water, fltrd, µg/L (71890)
Dec 01...	2k	102	<.02	<.02	.04	<.06	<.40	17.5	<4.0	.34	.10	1.4	<.010
Feb 10...	E2k	98.7	<.02	<.02	.03	<.06	<.40	E.98n	<4.0	E.05n	<.10	.7	<.010
May 19...	E1k	94.1	<.02	<.02	.02	<.06	E.30n	1.3	<4.0	.09	<.10	1.0	<.010
Aug 04...	<1k	87.4	<.02	<.02	E.01n	<.06	E.27n	E.88n	<4.0	E.04n	E.06n	1.1	<.010

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 5 of 5

[Remark codes: <, less than; E, estimated. Value qualifier codes: b, value extrapolated at low end; k, counts outside acceptable range; n, below the LRL and above the LT-MDL.]

Date	Mercury, water, unfltrd recover-able, µg/L (71900)	Zinc, water, fltrd, µg/L (01090)	Zinc, water, unfltrd recover-able, µg/L (01092)	Anti-mony, water, fltrd, µg/L (01095)	Anti-mony, water, unfltrd, µg/L (01097)	Arsenic, water, fltrd, µg/L (01000)	Arsenic, water, unfltrd, µg/L (01002)	Boron, water, unfltrd recover-able, µg/L (01022)	Selenium, water, unfltrd, µg/L (01147)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons/d (80155)
Dec 01...	<.010	19.3	2.7	.29	E.3n	1.5	1.4	67	1.6	2	84
Feb 10...	.016	E1.4n	<2.0	.25	E.2n	1.4	1.3	63	1.5	1	36
May 19...	<.010	E1.4n	<2.0	.22	E.3n	1.4	1.4	62	1.4	1	31
Aug 04...	<.010	<2.0	4.2	.23	E.2n	1.4	1.5	64	1.6	1	33

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 840 microsiemens/cm, Mar. 27; minimum, 11 microsiemens/cm, on several days.

WATER TEMPERATURE: Maximum, 13.7°C, Nov. 28; minimum, 7.2°C, Mar. 27 [THE FOLLOWING FLAG(S) APPEARED IN THE ADAPS END-OF-YEAR SUMMARY RETRIEVAL: #, value is write-protected with a "1"; #, value is write-protected with a "1"].

## 09380000 COLORADO RIVER AT LEES FERRY, AZ—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

<b>Day</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>
	<b>October</b>			<b>November</b>			<b>December</b>			<b>January</b>		
<b>1</b>	719	712	715	731	722	727	718	705	710	650	650	650
<b>2</b>	727	716	722	729	719	725	---	---	---	660	650	655
<b>3</b>	728	720	723	732	720	726	---	---	---	660	650	660
<b>4</b>	728	723	726	737	711	723	---	---	---	660	650	659
<b>5</b>	729	719	725	---	---	---	---	---	---	650	640	641
<b>6</b>	725	712	719	---	---	---	---	---	---	650	640	641
<b>7</b>	729	715	720	---	---	---	---	---	---	640	640	640
<b>8</b>	715	708	713	---	---	---	---	---	---	650	640	641
<b>9</b>	716	708	713	---	---	---	---	---	---	650	640	649
<b>10</b>	727	714	719	716	707	712	710	700	703	660	650	650
<b>11</b>	741	721	731	722	713	718	710	690	700	650	640	649
<b>12</b>	---	---	---	730	719	724	690	680	685	640	640	640
<b>13</b>	---	---	---	732	724	728	690	680	683	640	640	640
<b>14</b>	---	---	---	728	723	725	730	680	707	640	640	640
<b>15</b>	---	---	---	728	725	726	730	710	719	640	640	640
<b>16</b>	712	707	709	729	720	726	710	680	701	640	640	640
<b>17</b>	715	710	712	721	716	718	690	670	675	650	640	642
<b>18</b>	717	711	713	718	716	717	680	670	671	640	640	640
<b>19</b>	721	710	714	722	718	720	690	670	682	640	640	640
<b>20</b>	718	712	715	723	716	720	680	660	672	640	640	640
<b>21</b>	720	715	717	---	---	---	690	670	680	640	640	640
<b>22</b>	721	711	717	---	---	---	690	680	689	640	640	640
<b>23</b>	---	---	---	719	711	713	680	670	679	640	630	639
<b>24</b>	---	---	---	716	710	713	670	660	667	640	630	635
<b>25</b>	724	715	721	727	716	720	670	660	669	650	630	639
<b>26</b>	721	715	717	724	703	716	730	670	698	690	650	669
<b>27</b>	726	720	724	711	699	702	770	720	754	710	680	695
<b>28</b>	724	719	721	706	694	699	720	680	694	710	680	699
<b>29</b>	723	716	719	716	702	704	690	660	678	690	660	671
<b>30</b>	723	720	721	716	705	710	660	650	655	670	650	663
<b>31</b>	728	722	724	---	---	---	660	650	654	660	650	652
<b>Month</b>	---	---	---	---	---	---	---	---	---	710	630	650

## 09380000 COLORADO RIVER AT LEES FERRY, AZ—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

<b>Day</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>
	<b>February</b>			<b>March</b>			<b>April</b>			<b>May</b>		
<b>1</b>	670	650	658	770	750	758	801	780	791	764	742	753
<b>2</b>	680	660	670	780	750	764	801	751	785	774	752	764
<b>3</b>	670	660	662	770	740	756	821	751	786	779	748	763
<b>4</b>	660	650	660	740	730	736	812	792	808	791	761	779
<b>5</b>	670	660	664	790	740	766	812	802	808	781	760	768
<b>6</b>	680	670	675	800	770	784	812	782	796	772	749	757
<b>7</b>	680	660	668	790	760	777	782	772	776	761	750	757
<b>8</b>	670	650	658	800	780	790	773	753	759	761	748	755
<b>9</b>	670	650	662	800	780	793	773	753	760	772	746	758
<b>10</b>	730	670	704	830	790	813	783	753	767	758	741	749
<b>11</b>	760	730	743	830	790	816	784	773	775	751	738	743
<b>12</b>	750	720	735	800	780	786	784	774	784	743	726	737
<b>13</b>	740	720	726	800	780	791	784	764	770	743	728	737
<b>14</b>	730	720	727	790	760	774	775	764	770	769	737	754
<b>15</b>	730	720	725	760	750	754	795	765	776	747	734	742
<b>16</b>	740	720	727	760	750	754	805	785	795	751	726	744
<b>17</b>	740	720	729	760	750	758	795	755	774	733	723	727
<b>18</b>	760	730	747	780	760	771	776	756	767	731	724	727
<b>19</b>	760	740	747	770	760	770	776	766	770	758	730	734
<b>20</b>	750	730	737	780	770	770	776	766	772	759	720	740
<b>21</b>	740	740	740	780	770	774	767	747	758	768	743	752
<b>22</b>	740	730	738	780	770	775	757	747	755	766	701	728
<b>23</b>	740	730	738	820	760	794	762	749	756	750	707	739
<b>24</b>	740	720	729	830	780	816	763	752	759	752	719	731
<b>25</b>	720	720	720	800	790	797	784	755	768	726	715	721
<b>26</b>	740	720	728	810	790	803	800	779	788	719	709	716
<b>27</b>	750	720	739	840	740	803	800	759	784	744	718	728
<b>28</b>	770	740	757	790	750	768	785	760	773	721	714	717
<b>29</b>	---	---	---	800	790	794	789	757	772	722	710	716
<b>30</b>	---	---	---	820	780	796	761	743	754	727	712	717
<b>31</b>	---	---	---	800	770	788	---	---	---	720	711	716
<b>Month</b>	770	650	711	840	730	780	821	743	775	791	701	741



## 09380000 COLORADO RIVER AT LEES FERRY, AZ—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	724	704	712	---	---	---	710	694	700	710	693	701
2	726	714	719	---	---	---	699	683	692	700	691	694
3	734	719	726	717	693	708	707	693	697	697	691	693
4	727	712	720	719	692	704	721	700	708	702	691	695
5	723	712	717	719	697	703	720	696	707	703	692	695
6	722	703	711	721	692	704	719	697	709	700	689	697
7	726	710	719	715	696	702	718	685	700	694	688	691
8	717	701	707	721	696	710	732	695	714	695	689	693
9	709	698	703	723	699	709	737	686	708	707	695	704
10	716	699	707	723	697	708	722	694	705	716	697	704
11	726	711	722	705	694	699	726	704	715	706	698	703
12	715	705	709	720	698	705	720	702	712	707	690	700
13	714	707	710	720	692	702	725	693	710	697	683	689
14	724	698	715	714	696	705	719	686	697	699	690	694
15	714	698	709	717	680	695	710	691	699	705	697	701
16	710	693	700	712	693	701	715	690	699	708	689	699
17	719	701	709	710	692	701	713	687	699	697	681	687
18	717	698	709	706	692	697	712	694	702	717	683	700
19	709	704	707	707	700	704	711	697	704	700	695	697
20	711	700	707	711	687	702	721	694	709	698	692	695
21	711	702	705	727	693	708	718	689	705	704	693	699
22	716	698	709	727	692	703	702	690	696	703	683	690
23	711	698	705	709	696	700	709	688	700	701	684	693
24	708	692	698	714	699	705	724	694	706	708	694	700
25	710	693	700	720	693	709	720	691	704	707	698	701
26	716	700	707	712	695	705	713	696	706	702	695	699
27	728	690	709	715	692	699	711	697	703	698	692	696
28	704	695	699	713	685	696	704	693	701	697	687	695
29	704	700	702	712	690	700	705	693	699	701	696	699
30	705	696	699	725	688	704	712	692	702	710	695	701
31	---	---	---	713	694	702	710	695	702	---	---	---
Month	734	690	709	---	---	---	737	683	704	717	681	697

## 09380000 COLORADO RIVER AT LEES FERRY, AZ—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
<b>1</b>	13.1	12.4	12.8	13.0	12.4	12.7	12.9	12.4	12.7	10.3	10.0	10.2
<b>2</b>	12.9	12.1	12.5	13.1	12.6	12.9	12.8	12.5	12.6	10.2	10.0	10.1
<b>3</b>	12.9	12.1	12.5	12.9	12.2	12.5	12.6	12.1	12.2	10.2	9.8	10.1
<b>4</b>	12.8	12.2	12.3	12.7	11.9	12.3	12.2	11.7	11.9	9.9	9.6	9.8
<b>5</b>	12.7	11.9	12.3	---	---	---	12.3	11.6	12.0	10.0	9.7	9.9
<b>6</b>	13.0	11.8	12.4	---	---	---	12.5	11.9	12.2	10.0	9.7	9.8
<b>7</b>	12.8	11.6	12.3	---	---	---	12.6	12.1	12.3	10.0	9.6	9.8
<b>8</b>	13.0	12.1	12.6	---	---	---	---	---	---	9.8	9.5	9.7
<b>9</b>	13.2	12.4	12.8	---	---	---	---	---	---	9.7	9.4	9.5
<b>10</b>	12.9	12.1	12.4	13.5	12.8	13.1	12.0	11.4	11.7	9.5	9.2	9.4
<b>11</b>	12.2	11.2	11.6	13.2	12.5	12.9	12.1	11.5	11.8	9.6	9.3	9.4
<b>12</b>	---	---	---	13.1	12.5	12.7	12.4	11.9	12.2	9.6	9.3	9.5
<b>13</b>	---	---	---	12.9	12.1	12.5	12.3	11.9	12.0	9.6	9.3	9.4
<b>14</b>	---	---	---	13.0	12.5	12.8	11.9	10.5	11.1	9.5	9.2	9.3
<b>15</b>	---	---	---	12.9	12.5	12.8	10.9	10.5	10.7	9.4	9.1	9.3
<b>16</b>	12.9	12.2	12.6	13.1	12.3	12.6	11.7	10.9	11.2	9.4	9.0	9.2
<b>17</b>	13.1	12.2	12.7	13.3	12.7	13.0	11.9	11.5	11.7	9.4	9.0	9.2
<b>18</b>	13.2	12.5	12.9	13.3	12.8	13.0	11.8	11.5	11.7	9.4	9.0	9.2
<b>19</b>	13.5	12.7	13.1	13.2	12.6	12.9	11.6	10.8	11.2	9.4	9.0	9.2
<b>20</b>	13.4	12.9	13.2	13.4	12.7	13.0	11.6	10.9	11.3	9.3	9.0	9.2
<b>21</b>	13.2	12.5	12.9	13.3	12.7	13.0	11.5	11.1	11.2	9.4	8.9	9.2
<b>22</b>	12.9	12.1	12.6	---	---	---	11.1	10.8	10.9	9.4	9.1	9.3
<b>23</b>	---	---	---	13.1	12.7	12.9	11.1	10.8	10.9	9.5	9.2	9.3
<b>24</b>	---	---	---	13.1	12.5	12.8	11.2	10.8	11.0	9.6	9.3	9.4
<b>25</b>	13.1	12.3	12.8	12.9	12.6	12.7	11.2	10.8	11.0	9.5	9.1	9.2
<b>26</b>	13.2	12.5	12.9	13.4	12.6	13.0	10.8	9.3	10.0	9.1	8.6	8.7
<b>27</b>	13.3	12.6	12.9	13.5	13.2	13.4	9.5	8.3	8.9	8.6	8.1	8.4
<b>28</b>	13.3	12.6	12.9	13.7	13.2	13.5	10.2	9.5	9.9	8.8	8.2	8.5
<b>29</b>	13.4	12.8	13.1	13.2	12.8	13.0	10.4	9.8	10.1	9.0	8.5	8.8
<b>30</b>	13.2	12.7	13.0	13.1	12.6	12.8	10.5	10.2	10.4	9.0	8.5	8.8
<b>31</b>	13.0	12.5	12.8	---	---	---	10.4	10.1	10.3	9.0	8.6	8.8
<b>Month</b>	---	---	---	---	---	---	---	---	---	10.3	8.1	9.3

## 09380000 COLORADO RIVER AT LEES FERRY, AZ—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
<b>1</b>	9.0	8.6	8.8	8.6	7.9	8.3	8.9	8.1	8.5	9.9	8.9	9.4
<b>2</b>	8.9	8.4	8.7	8.7	7.9	8.3	9.5	7.9	8.6	9.9	8.8	9.3
<b>3</b>	9.0	8.4	8.7	9.0	8.2	8.6	9.1	8.1	8.6	9.9	8.7	9.3
<b>4</b>	9.0	8.5	8.8	9.0	8.2	8.6	8.9	7.5	8.2	9.5	8.6	9.1
<b>5</b>	9.0	8.6	8.8	8.7	7.9	8.3	9.0	7.7	8.3	9.9	8.6	9.2
<b>6</b>	9.0	8.5	8.8	8.7	7.9	8.3	9.2	7.8	8.5	10.3	8.8	9.5
<b>7</b>	9.1	8.5	8.8	8.6	8.1	8.3	9.4	8.2	8.9	10.3	8.8	9.5
<b>8</b>	9.1	8.7	8.9	8.7	7.8	8.3	9.7	8.5	9.1	10.2	8.8	9.5
<b>9</b>	9.0	8.5	8.7	8.7	7.8	8.3	9.6	8.4	9.0	10.0	8.8	9.4
<b>10</b>	8.6	8.2	8.4	8.5	7.6	8.0	9.3	8.3	8.8	10.2	8.9	9.5
<b>11</b>	8.5	7.8	8.1	8.7	7.6	8.1	8.9	8.5	8.7	10.3	9.0	9.6
<b>12</b>	8.4	8.0	8.2	8.8	8.1	8.5	9.5	8.3	8.9	10.4	9.0	9.8
<b>13</b>	8.5	8.0	8.3	8.9	8.0	8.5	9.6	8.5	9.1	10.4	9.0	9.7
<b>14</b>	8.7	8.0	8.3	9.0	8.0	8.6	9.3	8.6	8.9	10.0	8.8	9.4
<b>15</b>	8.5	7.9	8.2	9.2	8.3	8.8	8.9	8.2	8.4	10.3	8.8	9.6
<b>16</b>	8.6	8.1	8.3	9.2	8.3	8.8	8.9	7.8	8.4	10.2	8.9	9.6
<b>17</b>	8.6	8.1	8.4	9.2	8.3	8.8	9.1	8.0	8.6	10.5	9.1	9.8
<b>18</b>	8.6	8.0	8.3	9.1	8.2	8.7	9.7	8.5	9.1	10.5	9.1	9.8
<b>19</b>	8.6	7.9	8.2	9.1	8.2	8.7	9.7	8.5	9.1	10.2	9.4	9.8
<b>20</b>	8.5	8.0	8.2	9.2	8.3	8.8	9.8	8.4	9.1	10.5	9.1	9.7
<b>21</b>	8.6	8.0	8.3	9.0	8.2	8.7	10.0	8.5	9.2	9.7	9.1	9.4
<b>22</b>	8.6	8.1	8.4	9.0	8.2	8.5	9.8	8.7	9.3	9.9	9.1	9.5
<b>23</b>	8.7	8.3	8.5	8.8	7.5	8.2	10.0	8.8	9.4	9.9	9.2	9.6
<b>24</b>	8.9	8.2	8.6	8.7	7.4	8.1	9.9	8.8	9.4	10.3	9.2	9.8
<b>25</b>	8.8	8.2	8.6	8.8	7.7	8.3	9.6	8.7	9.1	10.4	9.4	9.9
<b>26</b>	8.8	8.2	8.5	8.5	7.9	8.1	9.3	8.1	8.7	10.5	9.4	10.1
<b>27</b>	8.7	8.1	8.4	9.3	7.2	8.2	9.6	8.0	8.8	10.6	9.4	10.1
<b>28</b>	8.6	7.8	8.2	9.4	8.2	8.8	9.5	8.6	9.0	10.8	9.5	10.2
<b>29</b>	---	---	---	9.0	8.0	8.6	9.7	8.3	9.0	10.6	9.5	10.1
<b>30</b>	---	---	---	8.9	7.8	8.3	10.0	8.6	9.3	10.5	9.7	10.1
<b>31</b>	---	---	---	9.1	7.7	8.4	---	---	---	10.6	9.5	10.1
<b>Month</b>	9.1	7.8	8.5	9.4	7.2	8.4	10.0	7.5	8.9	10.8	8.6	9.7

## 09380000 COLORADO RIVER AT LEES FERRY, AZ—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	10.4	9.6	10.0	---	---	---	11.4	10.1	10.7	11.2	10.4	10.8
2	10.7	9.4	10	---	---	---	11.9	10.3	11.0	11.5	10.6	11.1
3	10.8	9.2	9.9	11.1	9.8	10.3	11.6	10.3	10.9	11.4	10.6	11.1
4	10.3	9.4	9.8	11.4	9.8	10.6	11.2	10.1	10.6	11.6	10.5	11.1
5	10.6	9.4	10	11.3	10.1	10.6	11.2	10.1	10.6	11.5	10.8	11.1
6	10.6	9.3	9.9	11.4	9.8	10.6	11.5	10.3	10.8	11.6	10.6	11.1
7	10.5	9.1	9.8	11.5	10.0	10.7	11.3	10.3	10.8	11.8	10.7	11.3
8	10.4	9.3	9.9	11.5	9.7	10.5	11.3	9.5	10.4	11.6	10.6	11.2
9	10.4	9.4	9.8	11.3	9.9	10.5	11.6	9.6	10.6	11.5	10.5	11.0
10	10.6	9.6	10.1	11.3	9.9	10.5	11.4	10.1	10.7	11.5	10.6	11.0
11	10.6	9.4	10.1	11.2	10.2	10.7	11.6	10.0	10.7	11.4	10.3	10.9
12	10.5	9.5	10.0	11.4	10.0	10.6	11.2	10.2	10.6	11.6	10.6	11.2
13	10.9	9.5	10.2	11.4	10.1	10.7	10.9	10.2	10.4	11.6	10.8	11.2
14	11.0	9.4	10.2	11.2	9.9	10.5	11.7	10.4	11.0	11.5	10.7	11.2
15	11.1	9.6	10.4	11.4	9.9	10.7	11.8	10.4	11.0	11.5	10.6	11.0
16	10.6	9.8	10.1	11.4	10.0	10.6	11.4	10.3	10.8	11.8	10.4	11.1
17	10.4	9.7	10	11.7	10.1	10.8	11.6	10.1	10.7	12.1	10.8	11.6
18	10.9	9.6	10.2	11.5	10.2	10.8	11.5	10.2	10.8	12.1	11.0	11.4
19	11.2	9.7	10.4	11.2	10.4	10.8	11.5	10.3	10.8	11.6	10.7	11.2
20	10.7	9.7	10.2	11.2	10.2	10.6	11.4	10.2	10.7	11.7	10.8	11.4
21	11.5	10.0	10.7	10.7	9.9	10.3	11.8	9.9	10.8	11.7	10.7	11.2
22	11.1	9.7	10.4	11.6	10.1	10.8	11.5	10.5	11.0	11.8	10.5	11.1
23	10.8	9.6	10.2	11.4	10.2	10.7	11.8	10.4	11.2	11.8	10.6	11.3
24	11.1	9.9	10.5	11.3	10.3	10.8	11.3	10.0	10.7	11.7	10.6	11.2
25	11.1	10.1	10.6	11.7	10.0	10.8	11.4	9.9	10.7	11.5	10.6	11.1
26	10.9	10.0	10.4	11.3	10.3	10.8	11.4	10.3	10.8	11.7	10.7	11.2
27	11.5	9.4	10.4	11.2	10.3	10.8	11.6	10.2	10.8	11.5	10.7	11.2
28	11.4	9.9	10.6	11.4	10.2	10.7	11.5	10.3	10.8	11.4	10.5	11.0
29	11.5	9.9	10.7	11.3	10.5	10.8	11.5	10.4	10.9	11.5	10.6	11.1
30	11.6	10.1	10.8	11.0	10.2	10.5	11.7	10.6	11.1	11.5	10.8	11.0
31	---	---	---	11.6	10.1	10.7	11.2	10.4	10.8	---	---	---
<b>Month</b>	11.6	9.1	10.2	---	---	---	11.9	9.5	10.8	12.1	10.3	11.1