09421500 Colorado River Below Hoover Dam, AZ-NV

Lower Colorado-Lake Mead Basin
Lake Mead Subbasin

LOCATION.--Lat 36°00′55″, long 114°44′16″ referenced to North American Datum of 1927, in SW ¼ NE ¼ sec.3, T.30 N., R.23 W., Clark County, NV, Hydrologic Unit 15010005, in powerhouse at downstream side of Hoover Dam. Bureau of Reclamation data taken inside of Hoover Dam. USGS stream gaging station several thousand feet downstream of dam.

DRAINAGE AREA.--171,700 mi^2, including 3,959 mi^2 in Great Divide basin in southern Wyoming, which is noncontributing (previously considered part of the Missouri River basin).

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct. 1933 to current year (prior to Apr. 1934, monthly discharge only, published in WSP 1313). Published as "near Willow Beach" 1933-39 and as "below Boulder Dam" 1939-45.

GAGE.--Acoustical velocity meters on each turbine in Hoover Dam. Prior to Nov. 1, 1939, water-stage recorder at site 9 mi downstream at datum 594.8 ft above National Geodetic Vertical Datum of 1929, from topographic map. Nov. 1, 1939, to Jun. 30, 1958, water-stage recorder at site 0.8 mi downstream at datum 600.35 ft above NGVD of 1929. Jul. 1, 1958, to Nov. 7, 1979, totalizing flowmeter on each turbine.

COOPERATION.--Daily-discharge data provided by Bureau of Reclamation, Boulder City, Nevada.

REMARKS.--Flow regulated by Hoover Dam on Lake Mead since Feb. 1, 1935. Many diversions above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 50,800 ft^3/s, Jul. 29, 1983, no flow at Hoover Dam part of Feb. 10, 1935; minimum daily, 152 ft^3/s, Feb. 10, 1935.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 25,600 ft^3/s, Apr. 28; minimum daily discharge, 3,210 ft^3/s, Oct. 10.

09421500 Colorado River Below Hoover Dam, AZ-NV—Continued

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8,530	9,810	13,200	7,700	13,000	15,300	20,500	22,400	11,800	12,300	8,980	10,900
2	5,780	8,550	8,100	8,010	13,600	17,300	15,200	16,000	13,200	11,700	10,100	10,300
3	5,330	8,570	8,880	7,620	13,100	15,500	19,600	15,900	11,500	11,100	9,480	10,900
4	5,110	12,800	10,500	10,200	13,100	13,600	19,200	18,500	14,700	9,650	10,300	11,200
5	4,610	14,300	9,380	13,100	14,400	14,600	19,000	17,700	11,600	10,800	10,400	9,540
6	6,920	15,700	5,050	14,500	12,900	12,300	19,300	20,100	10,800	13,300	9,270	8,110
7	6,950	16,600	7,920	8,820	11,300	15,600	17,700	20,900	10,600	11,900	13,500	9,770
8	7,310	11,300	7,710	8,760	9,940	17,300	17,000	16,500	11,900	10,700	19,000	11,300
9	4,410	9,070	9,360	10,000	15,600	18,000	17,000	11,900	14,600	14,100	20,500	11,300
10	3,210	13,000	6,800	8,940	13,500	17,100	14,900	10,800	14,900	15,700	18,200	12,200
11	3,800	11,000	6,640	9,310	15,200	17,500	16,700	17,400	15,500	14,700	9,690	11,300
12	4,970	11,200	5,050	10,700	12,300	13,200	16,400	10,900	14,800	15,600	9,560	7,440
13	4,840	8,180	4,190	8,550	16,400	15,900	19,200	15,700	16,000	17,400	9,400	7,560
14	4,770	11,600	7,370	11,800	9,170	8,070	21,700	14,600	11,200	18,800	10,900	8,500
15	7,870	6,170	11,100	11,900	13,700	11,700	21,200	14,100	13,500	17,000	13,100	8,930
16	9,730	6,450	6,230	8,860	14,600	13,800	17,500	13,000	15,700	14,800	15,100	8,290
17	11,100	7,230	9,330	7,220	12,800	20,100	22,500	11,900	8,980	12,100	14,700	8,730
18	7,840	15,300	6,550	7,970	9,770	18,100	19,100	17,600	11,100	9,870	14,200	9,690
19	7,680	15,900	5,340	10,700	5,980	18,200	19,500	18,700	11,200	9,370	14,700	7,360
20	9,580	14,600	4,920	12,600	7,240	19,900	21,300	15,100	7,670	8,350	14,300	8,950
21	11,200	10,600	5,600	9,400	5,720	17,600	22,300	13,600	6,370	11,500	12,300	6,560
22	12,900	10,500	7,340	10,500	7,340	17,500	20,100	12,700	12,000	15,400	11,300	7,700
23	11,600	7,950	6,550	15,500	10,400	19,100	18,600	13,200	12,300	17,200	11,600	8,270
24	9,890	13,900	5,570	8,570	13,400	20,100	20,200	9,560	13,900	15,500	15,400	10,900
25	9,670	14,600	4,690	10,400	16,400	21,000	19,200	12,000	10,200	16,300	14,500	13,000
26	11,600	11,700	8,740	17,700	17,000	21,400	19,300	17,800	16,800	14,400	13,900	13,300
27	13,600	10,300	7,670	19,400	14,400	24,100	23,100	17,700	14,500	13,500	16,500	8,970
28	10,900	9,940	7,800	22,500	10,200	19,600	25,600	20,900	11,700	13,500	13,600	9,800
29	11,700	10,500	8,640	21,500	---	13,200	24,900	23,700	13,100	18,300	13,100	9,710
30	11,600	13,300	7,590	21,100	---	18,400	24,400	20,700	15,900	16,600	11,100	8,950
31	11,300	---	4,680	19,800	---	17,700	---	11,300	---	12,000	15,200	---
Total	256,300	340,620	228,490	373,630	342,460	522,770	592,200	492,860	378,020	423,440	403,880	289,430
Mean	8,268	11,350	7,371	12,050	12,230	16,860	19,740	15,900	12,600	13,660	13,030	9,648
Max	13,600	16,600	13,200	22,500	17,000	24,100	25,600	23,700	16,800	18,800	20,500	13,300
Min	3,210	6,170	4,190	7,220	5,720	8,070	14,900	9,560	6,370	8,350	8,980	6,560
Ac-ft	508,400	675,600	453,200	741,100	679,300	1,037,000	1,175,000	977,600	749,800	839,900	801,100	574,100

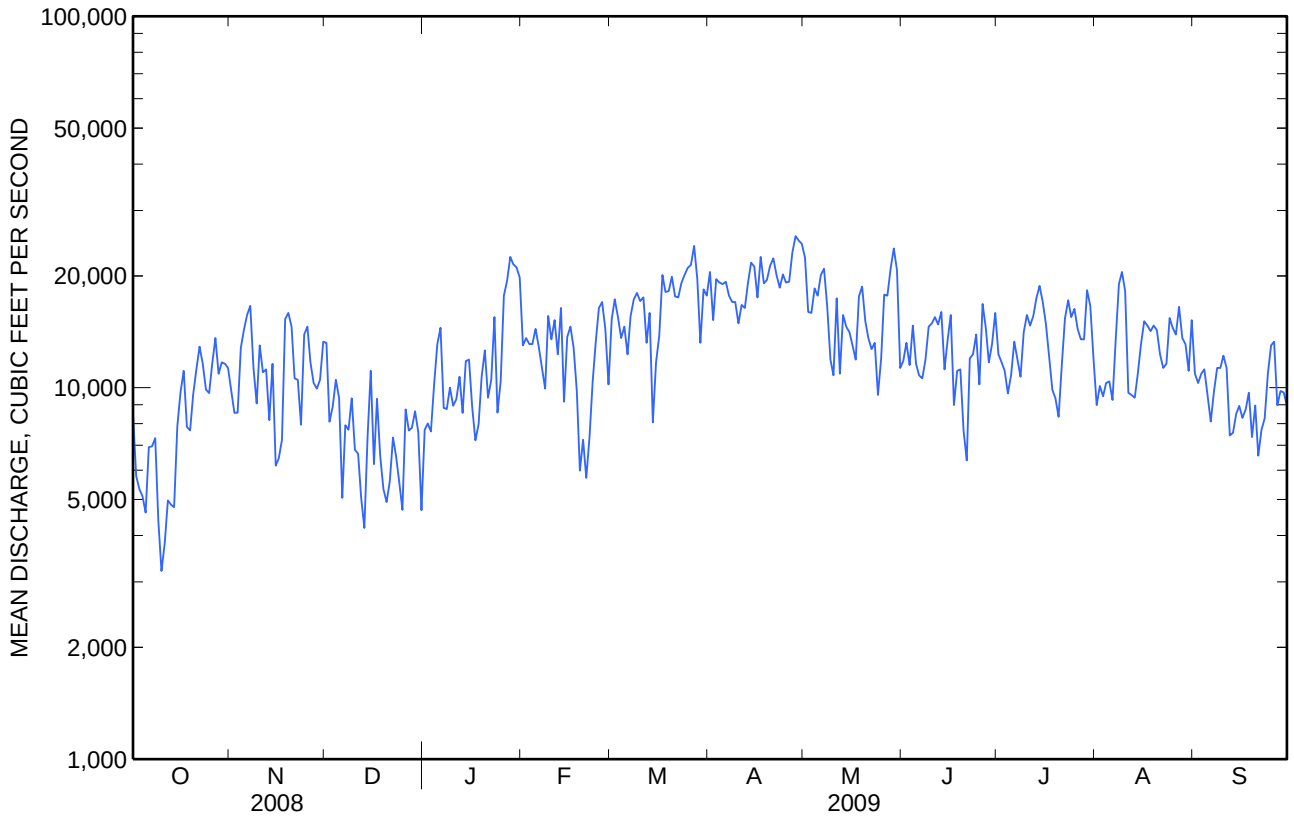
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	11,440	11,480	11,790	12,080	12,540	14,850	16,160	16,400	15,690	15,440	14,800	12,920
Max	34,250	30,530	33,670	32,700	30,680	28,790	26,290	33,330	34,890	41,870	39,390	36,750
(WY)	(1984)	(1942)	(1942)	(1942)	(1984)	(1984)	(1984)	(1986)	(1984)	(1983)	(1983)	(1983)
Min	3,109	3,519	4,444	3,540	1,106	5,474	7,297	8,898	9,786	2,783	2,631	3,312
(WY)	(1935)	(1935)	(1935)	(1979)	(1993)	(1993)	(1935)	(1937)	(1940)	(1934)	(1934)	(1934)

09421500 Colorado River Below Hoover Dam, AZ-NV—Continued

SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 1934 - 2009	
Annual total	4,810,130		4,644,100			
Annual mean	13,140		12,720		13,860	
Highest annual mean					30,590	1984
Lowest annual mean					7,674	1935
Highest daily mean	23,700	Apr 24	25,600	Apr 28	50,800	Jul 29, 1983
Lowest daily mean	3,210	Oct 10	3,210	Oct 10	152	Feb 10, 1935
Annual seven-day minimum	4,760	Oct 8	4,760	Oct 8	927	Feb 25, 1980
Annual runoff (ac-ft)	9,541,000		9,212,000		10,040,000	
10 percent exceeds	20,000		19,200		21,400	
50 percent exceeds	12,800		12,000		13,300	
90 percent exceeds	6,960		7,330		6,680	



09421500 Colorado River Below Hoover Dam, AZ-NV—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1940 to current year.

PERIOD OF DAILY RECORD.--
CHEMICAL ANALYSES: Oct. 1939 to Sep. 1944, Oct. 1950 to Sep. 1957, Oct. 1967 to Mar. 1970.
SPECIFIC CONDUCTANCE: Oct. 1939 to Jul. 1957, Oct. 1977 to Sep. 1987.
WATER TEMPERATURE: Oct. 1941 to Jul. 1957, Oct. 1977 to Sep. 1987.

REMARKS.--Samples collected at gaging station 0.3 mi downstream from Hoover Dam. Unpublished chemical analyses for period Oct. 1939 to Sep. 1940 available from the U.S. Geological Survey in Tucson, Arizona. Surrogate constituent values (parameters 90640, 91063, 91065, 99958, 99959, 99994, and 99995) are recovery percentages for the indicated compounds. These compounds are added to the sample to determine the relative recovery of other organic compounds that are detected using the same analytical method.

EXTREMES FOR PERIOD OF DAILY RECORD.--(Since Oct. 1977)
SPECIFIC CONDUCTANCE: Maximum, 1,180 microsiemens, cm, Jun. 10, 1980; minimum, 787 microsiemens, cm, Apr. 20, 1987.
WATER TEMPERATURE: Maximum, 21.5°C, Jul. 23, 1983; minimum, 9.0°C, Jan. 10, 1978.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
Part 1 of 15
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Time	Medium name	Sample type	Barometric pressure, mm Hg (00025)	Temperature, air, deg C (00020)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Instantaneous discharge, ft³/s (00061)
Nov								
19...	1130	Surface water	Regular	--	--	.050	.034	20,800
19...	1258	Surface water	Regular	--	--	--	--	--
Feb								
11...	1100	Surface water	Regular	753	--	.047	.031	E17,000
11...	1143	Surface water	Regular	--	--	--	--	--
May								
27...	1230	Surface water	Regular	746	--	.057	.040	31,000
Aug								
27...	1230	Surface water	Regular	746	40.5	.050	.034	14,300

09421500 Colorado River Below Hoover Dam, AZ-NV—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 15

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf µS/cm @ 25 degC (00095)	Temperature, water, deg C (00010)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	2,4,5-T surrog, water, fltrd, percent recovry (99958)	alpha-HCH-d6, surrog, Sch2003 wat flt percent recovry (99995)	Barban, surrog, Sched. 2060/ 9060, wat flt % recvy (90640)	Caffeine-13C, surrog, wat flt percent recovry (99959)	Diazinon-d10 surrog, Sch2003 wat flt percent recovry (99994)	Dissolved solids dried @ 180degC wat flt mg/L (70300)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
Nov													
19...	7.5	--	1,020	--	<2.0	67.5	89.8	E125	51.2	119	655	77.0	26.1
19...	--	--	--	--	--	--	--	--	--	--	650	78.3	26.1
Feb													
11...	8.4	7.7	998	12.5	<2.0	59.0	96.8	96.1	48.1	120	640	80.3	25.1
11...	--	--	--	--	--	--	--	--	--	--	657	80.2	25.3
May													
27...	8.9	8.8	1,000	15.0	<2.0	59.8	102	113	66.5	125	649	78.8	26.5
Aug													
27...	7.8	8.0	992	16.9	<2.0	72.6	94.0	76.6	E64.5	110	631	77.8	26.8

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 3 of 15

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)	Alkalinity, wat flt inf tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt infl pt titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Total carbon, suspnd sedimnt total, mg/L (00694)	Carbonate, wat flt infl pt titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)
Nov													
19...	4.77	91.2	140	138	169	--	<.2	--	84.8	.35	<.04	6.61	243
19...	4.83	92.1	141	--	--	--	--	--	85.5	.34	--	6.72	244
Feb													
11...	4.75	99.0	140	130	159	.08	<.2	<1.0	84.1	.34	<.04	6.86	241
11...	4.82	97.9	141	--	--	--	--	--	83.9	.37	--	6.91	242
May													
27...	4.73	88.5	139	120	146	--	E.1	--	83.7	.35	<.04	7.35	242
Aug													
27...	4.63	84.2	134	134	163	--	<.2	--	80.5	.36	<.04	7.08	236

09421500 Colorado River Below Hoover Dam, AZ-NV—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
Part 4 of 15
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, fltrd, mg/L as P (00666)	Phosphorus, water, unfltrd mg/L as P (00665)	Aluminum, water, fltrd, µg/L (01106)	Barium, water, fltrd, µg/L (01005)	Beryllium, water, fltrd, µg/L (01010)	Cadmium water, fltrd, µg/L (01025)
Nov													
19...	.17	.17	<.020	.59	E.001	E.004	<.02	E.003	E.004	<4.0	143	<.02	.02
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb													
11...	.19	.17	E.012	.61	E.001	E.006	<.02	<.006	E.005	<4.0	146	<.02	.03
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
May													
27...	.18	.15	<.020	.58	E.001	E.006	E.01	<.006	<.008	<4.0	149	<.02	E.02
Aug													
27...	.21	.16	<.020	.51	<.002	<.008	E.02	<.006	<.008	<4.0	144	<.02	E.02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
Part 5 of 15
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Chromium, water, fltrd, µg/L (01030)	Cobalt water, fltrd, µg/L (01035)	Copper, water, fltrd, µg/L (01040)	Iron, water, fltrd, µg/L (01046)	Lead, water, fltrd, µg/L (01049)	Lithium water, fltrd, µg/L (01130)	Manganese, water, fltrd, µg/L (01056)	Molybdenum, water, fltrd, µg/L (01060)	Nickel, water, fltrd, µg/L (01065)	Silver, water, fltrd, µg/L (01075)	Strontium, water, fltrd, µg/L (01080)	Vanadium, water, fltrd, µg/L (01085)	Zinc, water, fltrd, µg/L (01090)
Nov													
19...	E.07	.08	E.60	<4	E.05	39.7	.4	5.3	1.3	<.008	1,040	2.4	E1.2
19...	--	--	--	<4	--	--	--	--	--	--	--	--	--
Feb													
11...	E.08	<1	E.64	<4	<.06	50	.4	5.5	1.3	<.008	1,120	2.5	<2.0
11...	--	--	--	<4	--	--	--	--	--	--	--	--	--
May													
27...	E.07	.06	<1.0	<4	<.06	41.3	.3	5.4	1.0	<.008	1,090	2.4	<2.0
Aug													
27...	E.07	.10	E.63	<4	<.06	42.1	E.2	5.2	1.2	<.008	1,020	2.3	7.8

09421500 Colorado River Below Hoover Dam, AZ-NV—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
Part 6 of 15
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Antimony, water, fltrd, µg/L (01095)	Arsenic water, fltrd, µg/L (01000)	Boron, water, fltrd, µg/L (01020)	Selenium, water, fltrd, µg/L (01145)	1-Naphthol, water, fltrd 0.7µ GF µg/L (49295)	2,4-D methyl ester, water, fltrd, µg/L (50470)	2,4-D, water, fltrd, µg/L (39732)	2,4-DB, water, fltrd 0.7µ GF µg/L (38746)	2,6-Diethylaniline water, fltrd 0.7µ GF µg/L (82660)	2Chloro-2',6'-diethyl acetanilide wat flt µg/L (61618)	CIAT, water, fltrd, µg/L (04040)	CEAT, water, fltrd, µg/L (04038)	2-Ethyl-6-methylaniline wat flt µg/L (61620)
Nov													
19...	.37	2.3	106	2.0	<.04	<.200	<.06	<.02	<.006	<.010	<.014	<.06	<.010
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb													
11...	.35	2.6	135	2.1	<.04	<.200	<.06	<.02	<.006	<.010	<.014	<.06	<.010
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
May													
27...	.34	2.6	126	2.2	<.04	<.200	<.06	<.02	<.006	<.010	<.014	<.06	<.010
Aug													
27...	.34	2.4	118	2.0	<.04	<.200	<.06	<.02	<.006	<.010	<.014	<.06	<.010

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
Part 7 of 15
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	OIET, water, fltrd, µg/L (50355)	3,4-Dichloroaniline water, fltrd, µg/L (61625)	3-Hydroxycarbofuran, wat flt 0.7µ GF µg/L (49308)	4-Chloro-2-methylphenol, wat flt µg/L (61633)	Acetochlor, water, fltrd, µg/L (49260)	Acifluorfen, water, fltrd 0.7µ GF µg/L (49315)	Alachlor, water, fltrd, µg/L (46342)	Aldicarb sulfone water, fltrd 0.7µ GF µg/L (49313)	Aldicarb sulfoxide, wat flt 0.7µ GF µg/L (49314)	Aldicarb, water, fltrd 0.7µ GF µg/L (49312)	Atrazine, water, fltrd, µg/L (39632)	Azinphosmethyl oxon, water, fltrd, µg/L (61635)	Azinphosmethyl, water, fltrd 0.7µ GF µg/L (82686)
Nov													
19...	<.060	<.004	<.040	<.005	<.010	<.040	<.008	<.08	<.060	<.12	<.007	<.04	<.120
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb													
11...	<.060	<.004	<.040	<.005	<.010	<.040	<.008	<.08	<.060	<.12	<.007	<.04	<.120
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
May													
27...	<.060	<.004	<.040	<.005	<.010	<.040	<.008	<.08	<.060	<.12	<.007	<.04	<.120
Aug													
27...	<.060	<.004	<.040	<.005	<.010	<.040	<.008	<.08	<.060	<.12	<.007	<.04	<.120

09421500 Colorado River Below Hoover Dam, AZ-NV—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
Part 8 of 15
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Bendiocarb, water, fltrd, µg/L (50299)	Benfluralin, water, fltrd 0.7µ GF µg/L (82673)	Benomyl water, fltrd, µg/L (50300)	Bensulfuronmethyl, water, fltrd, µg/L (61693)	Bentazon, water, fltrd 0.7µ GF µg/L (38711)	Bromacil, water, fltrd, µg/L (04029)	Bromoxynil, water, fltrd 0.7µ GF µg/L (49311)	Carbaryl, water, fltrd 0.7µ GF µg/L (49310)	Carbaryl, water, fltrd 0.7µ GF µg/L (82680)	Carbofuran, water, fltrd 0.7µ GF µg/L (49309)	Chloramben methyl ester, water, fltrd, µg/L (61188)	Chlorimuronethyl, water, fltrd, µg/L (50306)	Chlorpyrifos oxon, water, fltrd, µg/L (61636)
Nov													
19...	<.04	<.014	<.060	<.06	<.06	<.06	<.12	<.04	<.200	<.040	<.10	<.080	<.05
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb													
11...	<.04	<.014	<.060	<.06	<.06	<.06	<.12	<.04	<.200	<.040	<.10	<.080	<.05
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
May													
27...	<.04	<.014	<.060	<.06	<.06	<.06	<.12	<.04	<.200	<.040	<.10	<.080	<.05
Aug													
27...	<.04	<.014	<.060	<.06	<.06	<.06	<.12	<.04	<.200	<.040	<.10	<.080	<.05

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
Part 9 of 15
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Chlorpyrifos water, fltrd, µg/L (38933)	cis-Permethrin water fltrd 0.7µ GF µg/L (82687)	Clopyralid, water, fltrd 0.7µ GF µg/L (49305)	Cycloate, water, fltrd, µg/L (04031)	Cyfluthrin, water, fltrd, µg/L (61585)	Cypermethrin water, fltrd, µg/L (61586)	Dacthal monoacid, water, fltrd 0.7µ GF µg/L (49304)	DCPA, water, fltrd 0.7µ GF µg/L (82682)	Desulfinyl-fipronil amide, wat flt µg/L (62169)	Desulfinyl-fipronil, water, fltrd, µg/L (62170)	Diazinon, water, fltrd, µg/L (39572)	Diazoxon, water, fltrd, µg/L (61638)	Dicamba water, fltrd 0.7µ GF µg/L (38442)
Nov													
19...	<.010	<.014	<.06	<.04	<.016	<.020	<.04	E.002	<.029	<.012	<.005	--	<.04
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb													
11...	<.010	<.014	<.06	<.04	<.016	<.020	<.04	<.006	<.029	<.012	<.005	--	<.04
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
May													
27...	<.010	<.014	<.06	<.04	<.016	<.020	<.04	E.002	<.029	<.012	<.005	--	<.04
Aug													
27...	<.010	<.014	<.06	<.04	<.016	<.020	<.04	<.006	<.029	<.012	<.005	<.01	<.04

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WATER-QUALITY DATA
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Part 10 of 15
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Dichlorprop, water, fltrd 0.7µ GF µg/L (49302)	Dichlorvos, water, fltrd, µg/L (38775)	Dicrotophos, water, fltrd, µg/L (38454)	Dieldrin, water, fltrd, µg/L (39381)	Dimethoate, water, fltrd 0.7µ GF µg/L (82662)	Dinoseb water, fltrd 0.7µ GF µg/L (49301)	Diphenamid, water, fltrd, µg/L (04033)	Diuron, water, fltrd 0.7µ GF µg/L (49300)	Ethion monoxon water, fltrd, µg/L (61644)	Ethion, water, fltrd, µg/L (82346)	Fenamiphos sulfone water, fltrd, µg/L (61645)	Fenamiphos sulfoxide, water, fltrd, µg/L (61646)	Fenamiphos, water, fltrd, µg/L (61591)
Nov													
19...	<.04	--	<.08	<.009	<.006	<.04	<.04	M	<.02	<.012	<.053	<.08	<.03
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb													
11...	<.04	<.02	<.08	<.009	<.006	<.04	<.04	M	<.02	<.012	<.053	<.08	<.03
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
May													
27...	<.04	<.02	<.08	<.009	<.006	<.04	<.04	<.04	<.02	<.012	<.053	<.08	<.03
Aug													
27...	<.04	<.02	<.08	<.009	<.006	<.04	<.04	<.04	<.02	<.012	<.053	<.08	<.03

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
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[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Fenuron water, fltrd 0.7µ GF µg/L (49297)	Fipronil sulfide water, fltrd, µg/L (62167)	Fipronil sulfone water, fltrd, µg/L (62168)	Fipronil, water, fltrd, µg/L (62166)	Flumetsulam, water, fltrd, µg/L (61694)	Fluometuron water, fltrd 0.7µ GF µg/L (38811)	Fonofos water, fltrd, µg/L (04095)	Hexazinone, water, fltrd, µg/L (04025)	Imazaquin, water, fltrd, µg/L (50356)	Imazethapyr, water, fltrd, µg/L (50407)	Imidacloprid water, fltrd, µg/L (61695)	Iprodione, water, fltrd, µg/L (61593)	Isofenphos, water, fltrd, µg/L (61594)
Nov													
19...	<.06	<.013	<.024	<.040	<.06	<.04	<.010	<.008	<.06	<.06	<.060	<.014	<.006
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb													
11...	<.06	<.013	<.024	<.040	<.06	<.04	<.010	<.008	<.06	<.06	<.060	<.014	<.006
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
May													
27...	<.06	<.013	<.024	<.040	<.06	<.04	<.010	<.008	<.06	<.06	<.060	<.014	<.006
Aug													
27...	<.06	<.013	<.024	<.040	<.06	<.04	<.010	<.008	<.06	<.06	<.060	<.014	<.006

09421500 Colorado River Below Hoover Dam, AZ-NV—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
Part 12 of 15
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Linuron water, fltrd 0.7µ GF µg/L (38478)	Mala-oxon, water, fltrd, µg/L (61652)	Mala-thion, water, fltrd, µg/L (39532)	MCPA, water, fltrd 0.7µ GF µg/L (38482)	MCPB, water, fltrd 0.7µ GF µg/L (38487)	Meta-laxyl, water, fltrd, µg/L (50359)	Meta-laxyl, water, fltrd, µg/L (61596)	Methid-athion, water, fltrd, µg/L (61598)	Methio-carb, water, fltrd 0.7µ GF µg/L (38501)	Meth-omyl, water, fltrd 0.7µ GF µg/L (49296)	Methyl para-oxon, water, fltrd, µg/L (61664)	Methyl para-thion, water, fltrd 0.7µ GF µg/L (82667)	Metola-chlor, water, fltrd, µg/L (39415)
Nov													
19...	<.04	<.080	<.020	<.04	<.20	<.04	<.007	<.006	<.040	<.120	<.01	<.008	<.014
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb													
11...	<.04	<.080	<.020	<.04	<.20	<.04	<.007	<.006	<.040	<.120	<.01	<.008	<.014
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
May													
27...	<.04	<.080	<.020	<.04	<.20	<.04	<.007	<.006	<.040	<.120	<.01	<.008	<.014
Aug													
27...	<.04	<.080	<.020	<.04	<.20	<.04	<.007	<.006	<.040	<.120	<.01	<.008	<.014

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
Part 13 of 15
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Metri-buzin, water, fltrd, µg/L (82630)	Metsul-furon-methyl, water, fltrd, µg/L (61697)	Mycio-butanil water, fltrd, µg/L (61599)	N-(4-Chloro-phenyl) -N'-methyl-urea, µg/L (61692)	Neburon water, fltrd 0.7µ GF µg/L (49294)	Nico-sul-furon, water, fltrd, µg/L (50364)	Norflur azon, water, fltrd 0.7µ GF µg/L (49293)	Ory-zalin, water, fltrd 0.7µ GF µg/L (49292)	Oxamyl, water, fltrd 0.7µ GF µg/L (38866)	Pendi-meth-alin, water, fltrd 0.7µ GF µg/L (82683)	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd 0.7µ GF µg/L (82664)	Phosmet oxon, water, fltrd, µg/L (61668)
Nov													
19...	<.016	<.14	<.010	<.06	<.02	<.10	<.04	<.04	<.12	<.012	<.03	<.020	<.05
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb													
11...	<.016	<.14	<.010	<.06	<.02	<.10	<.04	<.04	<.12	<.012	<.03	<.020	--
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
May													
27...	<.016	<.14	<.010	<.06	<.02	<.10	<.04	<.04	<.12	<.012	<.03	<.020	<.05
Aug													
27...	<.016	<.14	<.010	<.06	<.02	<.10	<.04	<.04	<.12	<.012	<.03	<.020	<.05

09421500 Colorado River Below Hoover Dam, AZ-NV—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
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[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Phosmet water, fltrd, µg/L (61601)	Picloram, water, fltrd 0.7µ GF µg/L (49291)	Prometon, water, fltrd, µg/L (04037)	Prometryn, water, fltrd, µg/L (04036)	Propham water, fltrd 0.7µ GF µg/L (49236)	Propiconazole, water, fltrd, µg/L (50471)	Propoxur, water, fltrd 0.7µ GF µg/L (38538)	Propyzamide, water, fltrd 0.7µ GF µg/L (82676)	Siduron water, fltrd, µg/L (38548)	Simazine, water, fltrd, µg/L (04035)	Sulfometuronmethyl, water, fltrd, µg/L (50337)	Tebuthiuron water, fltrd 0.7µ GF µg/L (82670)	Terbacil, water, fltrd, µg/L (04032)
Nov													
19...	<.200	<.12	M	<.006	<.040	<.04	<.060	<.004	<.04	<.010	<.060	<.02	<.040
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb													
11...	<.200	<.12	<.01	<.006	<.040	<.04	<.060	<.004	<.04	<.010	<.060	<.02	<.040
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
May													
27...	<.200	<.12	M	<.006	<.040	<.04	<.060	<.004	<.04	<.010	<.060	<.02	<.040
Aug													
27...	<.200	<.12	<.01	<.006	<.040	<.04	<.060	<.004	<.04	<.010	<.060	<.02	<.040

WATER-QUALITY DATA
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Part 15 of 15
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Terbufos oxon sulfone water, fltrd, µg/L (61674)	Terbufos, water, fltrd 0.7µ GF µg/L (82675)	Terbuthylazine, water, fltrd, µg/L (04022)	Tribuphos, water, fltrd, µg/L (61610)	Triclopyr, water, fltrd 0.7µ GF µg/L (49235)	Trifluralin, water, fltrd 0.7µ GF µg/L (82661)	Caffeine, water, fltrd, µg/L (50305)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Uranium natural water, fltrd, µg/L (22703)	Suspnd. sedimnt sieve diametr percent <0.0625 mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
Nov													
19...	<.04	<.02	E.01	<.035	<.08	<.012	<.080	<.12	2.6	4.30	64	3	168
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb													
11...	<.04	<.02	.01	<.035	<.08	<.012	<.080	<.12	2.5	4.37	55	1	E46
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
May													
27...	<.04	<.02	E.01	<.035	<.08	<.012	<.080	<.12	2.6	4.37	--	--	--
Aug													
27...	<.04	<.02	M	<.035	<.08	<.012	<.080	<.12	2.5	4.17	--	--	--