CHEMICAL ANALYSES OF WATER SAMPLES
2001

The tables below are based on chemical analyses of samples from the Colorado River taken at the Northerly International Boundary by the United States Section of the Commission and analyzed under a contract with the U. S. Bureau of Reclamation.

Colorado River at Northerly International Boundary

2001 Date	Time Standard	Streamflow Momentary CMS	Specific Conductance Microsiemens/cm	pH Units	Hardness, Total (as CaCO3) mg/L	Hardness, Noncarbonate (CaCO3) mg/L	Calcium ion (Ca), Dissolved mg/L	Magnesium ion (Mg), Dissolved mg/L
Jan. 8	0800	58.7	1,400	8.2	371.00	198.00	94.3	32.9
22	0745	64.3	1,430	8.3	385.00	209.00	97.7	34.5
Feb. 5	0740	77.7	1,360	8.3	360.00	194.00	91.1	32.1
20	1015	92.4	1,230	8.2	334.00	176.00	83.3	30.8
Mar. 5	0745	88.7	1,310	8.3	357.00	192.00	89.8	32.2
19	0700	95.8	1,150	8.2	325.00	177.00	82.3	29.0
April 2	1130	92.5	1,130	8.2	316.00	168.00	81.0	27.5
16	0815	142	1,090	8.2	315.00	172.00	79.0	28.6
May 7	0730	44.0	1,390	8.2	375.00	208.00	94.0	34.2
21	0800	58.7	1,360	8.2	342.00	177.00	84.0	32.2
June 4	0800	52.8	1,410	8.3	366.00	195.00	91.4	33.5
18	0715	57.3	1,320	8.2	355.00	195.00	90.0	31.7
July 2	0815	71.6	1,260	8.2	378.00	222.00	97.2	32.9
16	0730	59.1	1,300	8.2	345.00	186.00	85.9	31.8
Aug. 6	0730	69.9	1,370	8.2	357.00	193.00	88.9	33.0
20	0705	48.9	1,330	8.2	345.00	182.00	85.0	32.3
Sept.10	0745	37.4	1,480	8.1	357.00	182.00	87.0	33.8
24	0800	70.3	1,350	8.1	344.00	184.00	84.0	32.7
Oct. 1	0915	35.8	1,720	8.2	405.00	216.00	100	37.8
15	0800	30.6	1,710	8.1	397.00	206.00	96.0	38.3
Nov. 5	0800	35.2	1,590	8.3	385.00	201.00	95.0	35.9
19	0800	41.2	1,520	8.0	389.00	208.00	97.0	35.6
Dec. 3	0800	52.3	1,420	8.1	377.00	202.00	95.0	33.9
17	0800	52.0	1,410	8.2	380.00	205.00	96.0	34.1

2001 Date	Sodium ion (Na), Dissolved mg/L	Potassium ion (K) Dissolved mg/L	Sulfate ion (SO4) Dissolved mg/L	Chloride ion (Cl), Dissolved mg/L	Carbonate (as CO3) mg/L	Bicarbonate (as HCO3) mg/L	Nitrate (as NO3) mg/L	Total Solids Dissolved (Calculated) mg/L
Jan. 8	157	4.6	320	154	N.D.	211	1.4	881
22	165	4.7	323	161	N.D.	215	1.6	907
Feb. 5	143	4.5	300	142	N.D.	203	1.5	826
20	135	4.3	284	127	N.D.	193	1.5	772
Mar. 5	144	4.7	306	142	N.D.	201	1.3	831
19	112	4.2	258	117	N.D.	181	1.5	704
April 2	112	5.0	254	111	N.D.	181	1.6	686
16	110	5.0	246	105	N.D.	174	1.6	666
May 7	161	5.0	293	152	N.D.	204	2.3	854
21	152	5.0	294	148	N.D.	201	1.8	823
June 4	157	5.0	309	155	N.D.	209	2.0	864
18	140	5.0	294	142	N.D.	195	1.1	807
July 2	140	4.5	294	124	N.D.	190	0.6	799
16	139	5.0	305	141	N.D.	194	1.1	817
Aug. 6	154	5.0	313	158	N.D	200	1.2	865
20	149	4.0	305	147	N.D.	199	1.2	835
Sept.10	170	5.0	332	178	N.D.	214	2.0	928
24	155	5.0	312	150	N.D.	195	1.5	849
Oct. 1	212	5.0	391	223	N.D.	231	3.0	1,100
15	201	5.0	353	213	N.D.	233	3.9	1,040
Nov. 5	189	5.0	342	188	N.D.	224	6.5	987
19	186	5.0	332	182	N.D.	221	1.5	963
Dec. 3	158	5.0	327	155	N.D.	214	1.7	894
17	157	4.0	330	158	N.D.	214	1.4	899

N.D. - Not Detected