COLORADO RIVER MAIN STEM

09402500 COLORADO RIVER NEAR GRAND CANYON, AZ

LOCATION.--Lat 36° 06'05", long 112° 05'08", in sec. 5, T.31 N., R.3 E. (unsurveyed), Coconino County, Hydrologic Unit 15010001, in Grand Canyon National Park, on left bank 0.2 mi upstream from Kaibab Bridge, 0.4 mi upstream from Bright Angel Creek, 4.5 mi northeast of village of Grand Canyon, 26 mi downstream from Little Colorado River, and 267 mi upstream from Hoover Dam.

DRAINAGE AREA.--141,600 mi^2 approximately, including 3,959 mi^2 in Great Divide basin in southern Wyoming which is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Oct. 1922 to current year. Prior to 1944, published as "Colorado River at Bright Angel Creek, near Grand Canyon." Gage-height records collected 1.5 mi downstream 1908-13, published in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 2,418.7 ft above sea level.

REMARKS.--No estimated daily discharges. Records good. Flow completely regulated by Lake Powell, 104 mi upstream, since Mar. 13, 1963. (See elsewhere in this report.) Many diversions above station for irrigation, municipal, and industrial uses.

EXTREMES FOR PERIOD OF RECORD.--1922–62: Maximum discharge, 127,000 ft^3/s July 2, 1927, gage height, 29.25 ft; minimum, 700 ft^3/s Dec. 28, 1924, gage height, -0.70 ft.
1963–2001: Maximum discharge, 96,200 ft^3/s June 29, 1983, gage height, 26.26 ft; minimum, 850 ft^3/s Jan. 26, 1963, gage height, -0.55 ft, result of closing coffer dam at Glen Canyon Dam.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since at least 1884, 300,000 ft^3/s about July 8, 1884 (computed on basis of flood studies at Lees Ferry). Crest discharge of flood of June 19, 1921, was 220,000 ft^3/s, gage height, 37.5 ft from floodmarks, from rating curve extended above 120,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 21,400 ft^3/s Sept. 11 at 1330, gage height, 12.37 ft. Minimum daily discharge, 7,600 ft^3/s Oct. 1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7600	10700	11400	14100	13800	11400	9710	10900	8480	12400	15900	14700
2	10500	10800	14200	12100	11700	10600	10800	10700	12700	15400	15200	9340
3	10600	10900	10800	14200	10400	9750	10800	10900	12300	15500	15200	7990
4	10600	10000	14200	13900	9940	9760	10700	11300	13500	15500	14700	8970
5	10700	9590	14400	14100	11700	10300	10700	10500	13500	13700	13900	8850
6	10700	10900	14200	12400	11700	10400	10800	9880	13300	15200	15000	8790
7	10700	10900	14100	11600	11400	10500	9840	11000	13300	14800	15300	10100
8	8210	10800	14000	13900	11300	10600	9780	10900	13300	13700	15600	11700
9	10600	10600	13300	13900	11400	10600	10800	10900	12500	15100	15800	10800
10	10900	10900	10400	14000	10500	9930	10800	10800	12200	15000	15500	10100
11	10900	10500	13900	14000	10100	9700	10800	10900	13300	15100	14500	16100
12	10700	9370	13900	14100	11800	10600	11100	10200	13300	15900	13900	12700
13	10800	10800	14000	12600	11800	10400	10900	9820	13300	15600	15100	10800
14	10600	10800	13900	11500	11700	10500	9980	10800	13300	15600	15200	10800
15	8120	10900	13900	13800	11700	10600	9750	10900	13300	13800	15200	10700
16	10500	10900	13500	13700	11700	10600	10800	10900	12600	15600	15300	11400
17	10700	10700	10600	14100	10500	10000	10800	11000	12200	15600	15400	11600
18	10700	10600	13800	14000	10300	9940	10800	10800	13300	15700	14700	10100
19	10800	9730	13900	13900	11700	10900	10900	10600	13300	15700	14000	9350
20	10800	11000	14200	12100	11800	10500	11000	9810	13300	15300	15700	9200
21	10600	10900	14100	11400	11700	10400	10100	10500	13400	15200	15300	9110
22	8120	10800	14000	13900	11700	10500	9850	10800	13500	13800	15300	8400
23	10600	9900	13700	14000	11700	10500	11100	10900	12700	15500	14500	8080
24	10700	10900	10700	14000	10500	9540	11000	10700	12100	15600	15200	9060
25	10800	10800	13900	14000	10200	9710	11000	8530	13300	15400	14600	9270
26	10700	9900	11100	14000	11700	10300	11000	8450	13400	15400	13900	9050
27	10700	11400	13800	12100	11700	10300	10900	8460	13400	15500	15400	8880
28	10600	11400	14100	12400	11500	10500	10100	8460	13400	15300	15500	8850
29	8080	11500	14100	14100	---	10400	9770	8460	13300	14000	15400	7890
30	10500	11300	13500	13700	---	10500	10800	8450	12600	15700	15300	7820
31	10600	---	11400	13800	---	9640	---	8480	---	16000	15400	---
TOTAL	317730	320190	411000	415400	317640	319870	317180	315700	387380	467600	466900	300500
MEAN	10250	10670	13260	13400	11340	10320	10570	10180	12910	15080	15060	10020
MAX	10900	11500	14400	14200	13800	11400	11100	11300	13500	16000	15900	16100
MIN	7600	9370	10400	11400	9940	9540	9710	8450	8480	12400	13900	7820
AC-FT	630200	635100	815200	823900	630000	634500	629100	626200	768400	927500	926100	596000

CAL YR 2001 TOTAL 4287720 MEAN 11750 MAX 15800 MIN 7410 AC-FT 8505000
WTR YR 2002 TOTAL 4357090 MEAN 11940 MAX 16100 MIN 7600 AC-FT 8642000

09402500 COLORADO RIVER NEAR GRAND CANYON , AZ--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Oct. 1925 to Nov. 1942, Sept. 1943 to Dec. 1987, Aug. 1990 to Apr. 1993, Apr. 1998 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Oct. 1940 to Oct. 1942, Sept. 1943 to Sept. 1976, Apr. 1983 to Dec. 1987, Aug. 1990 to Apr. 1993, Apr. 1998 to current year.

SPECIFIC CONDUCTANCE: Oct. 1964 to Mar. 1974, Apr. 1983 to Dec. 1987, Aug. 1990 to Apr. 1993, Apr. 1998 to current year.

pH: Aug. 1990 to Apr. 1993.

DISSOLVED OXYGEN: Aug. 1990 to Apr. 1993.

SUSPENDED-SEDIMENT DISCHARGE: Oct. 1925 to Nov. 1942, Sept. 1943 to Sept. 1972, June 1983 to Dec. 1983, Sept. 1985 to Feb. 1986.

TURBIDITY: Feb. 1998 to Sept. 2000.

INSTRUMENTATION.--Water-temperature recorder Nov. 1952 to Sept. 1976, Apr. 1983 to Dec. 1987, Aug. 1990 to Apr. 1993, Apr. 1998 to current year. Specific conductance recorder Oct. 1964 to Mar. 1974, Apr. 1983 to Dec. 1987, Aug. 1990 to Apr. 1993, Apr. 1998 to current year.

REMARKS.--Temperature and specific conductance records are good. Unpublished chemical analyses for period Oct. 1930 to Sept. 1940, daily specific conductance measurements Oct. 1937 to Nov. 1942, Sept. 1943 to Sept. 1964, and daily water temperature Oct. 1936 to Sept. 1940, available from the district office in Tucson, AZ.

EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE (Apr. 1983 to Dec. 1987, Aug. 1990 to Apr. 1993, Apr. 1998 to Sept. 1998): Maximum recorded, 16.0° C on Aug. 26, 1984; minimum recorded, 5.7° C on Dec. 24, 25, 1990.

SPECIFIC CONDUCTANCE (Apr. 1983 to Dec. 1987, Aug. 1990 to Apr. 1993, Apr. 1998 to Sept. 1998): Maximum recorded, 1,440 microsiemens on Mar. 20, 1986; minimum recorded, 631 microsiemens Dec. 22, 1986.

pH: Maximum recorded 8.6 units, Nov. 5, 1990; minimum recorded, 7.7 units Nov. 5, 1990.

DISSOLVED OXYGEN: Maximum recorded, 11.4 mg/l, Jan. 23, 1993; minimum recorded, 9.8 mg/l, Nov. 27–30, 1991, May 26, 1992, Mar. 21 and 23, 1993.

TURBIDITY: Minimum daily 1.1 NTU on many days.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum recorded, 15.9° C Sept. 11; minimum recorded, 7.3° C Feb. 10 and Mar. 4.

SPECIFIC CONDUCTANCE: Maximum recorded, 1,200 microsiemens, Sept. 9; minimum recorded, 699 microsiemens Sept. 12.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	12.9	12.4	12.7	11.0	10.4	10.7	9.3	8.7	9.0	10.0	9.7	9.8
2	12.9	12.3	12.5	10.9	10.3	10.6	9.5	9.1	9.2	9.8	9.4	9.5
3	12.4	12.0	12.2	10.7	10.1	10.4	9.7	9.2	9.4	9.4	9.0	9.2
4	12.4	11.9	12.1	10.6	10.2	10.4	9.5	9.2	9.3	9.4	9.0	9.2
5	12.4	11.9	12.1	11.1	10.5	10.7	9.3	9.0	9.1	9.3	8.8	9.1
6	12.4	12.0	12.2	11.1	10.5	10.8	9.3	8.8	9.0	9.4	9.0	9.1
7	12.2	11.8	12.0	11.0	10.7	10.8	9.3	8.8	9.0	9.5	9.0	9.2
8	12.5	11.8	12.0	11.1	10.7	10.9	9.2	8.7	9.0	9.6	9.2	9.4
9	12.5	11.9	12.1	11.0	10.6	10.8	9.0	8.5	8.8	9.6	9.3	9.4
10	12.1	11.4	11.7	10.9	10.3	10.5	8.8	8.4	8.5	9.6	9.3	9.4
11	11.5	10.8	11.1	10.6	10.0	10.3	8.9	8.5	8.6	9.4	9.0	9.2
12	11.1	10.5	10.8	10.8	10.3	10.5	9.1	8.6	8.8	9.3	8.9	9.1
13	11.1	10.3	10.6	10.8	10.4	10.6	9.1	8.6	8.8	9.3	8.9	9.1
14	11.3	10.8	11.0	10.7	10.0	10.3	9.0	8.5	8.7	9.3	8.7	8.9
15	11.6	11.0	11.2	10.4	9.8	10.1	8.9	8.5	8.7	8.9	8.6	8.8
16	11.6	11.0	11.3	10.3	9.7	10.0	8.7	8.2	8.4	8.9	8.6	8.8
17	11.4	11.0	11.2	10.2	9.6	9.9	8.6	8.2	8.4	9.1	8.7	8.8
18	11.4	10.8	11.1	10.3	9.8	10.0	8.7	7.8	8.2	8.9	8.3	8.6
19	11.3	10.7	11.0	10.3	9.8	10.1	9.1	8.6	8.8	8.6	8.1	8.3
20	11.3	10.7	11.0	10.3	9.6	9.9	9.3	8.8	9.0	8.4	8.0	8.1
21	11.2	10.7	10.9	10.0	9.5	9.7	9.3	9.1	9.2	8.5	7.9	8.1
22	11.6	10.9	11.1	9.9	9.5	9.6	9.6	9.1	9.3	8.8	8.2	8.4
23	11.6	10.7	11.2	9.9	9.3	9.7	9.4	9.1	9.2	8.7	8.3	8.4
24	11.3	10.7	11.0	9.8	9.2	9.5	9.2	8.8	9.0	8.4	7.8	8.0
25	11.1	10.4	10.7	9.5	9.0	9.2	9.3	8.8	9.0	8.2	7.7	7.9
26	10.8	10.1	10.5	9.1	8.5	8.8	9.2	8.7	8.9	8.4	7.9	8.1
27	10.7	10.2	10.4	9.0	8.1	8.5	9.2	8.7	8.9	8.6	8.2	8.3
28	11.0	10.5	10.6	8.6	7.9	8.2	9.6	9.0	9.2	8.5	8.2	8.3
29	11.3	10.7	10.9	8.6	8.2	8.4	9.8	9.4	9.7	8.6	8.2	8.4
30	11.3	10.7	11.0	9.1	8.4	8.6	10.1	9.7	9.8	8.5	8.1	8.2
31	11.1	10.8	10.9	---	---	---	10.0	9.7	9.8	8.2	7.5	7.8
MONTH	12.9	10.1	11.3	11.1	7.9	9.9	10.1	7.8	9.0	10.0	7.5	8.7

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.0	7.4	7.6	8.8	8.3	8.5	11.4	10.9	11.1	11.9	11.2	11.4
2	8.0	7.5	7.6	8.6	7.5	7.9	11.3	10.8	11.0	11.7	10.9	11.2
3	8.2	7.5	7.7	8.1	7.4	7.7	11.4	10.8	11.0	11.6	10.7	11.1
4	8.2	7.5	7.9	8.1	7.3	7.7	11.4	10.8	11.1	11.7	11.0	11.3
5	8.2	7.5	7.8	8.6	7.8	8.0	11.4	10.9	11.1	12.0	11.2	11.5
6	8.2	7.6	7.9	9.0	8.2	8.4	11.3	10.6	10.8	12.3	11.4	11.8
7	8.2	7.6	7.9	9.2	8.7	8.8	11.3	10.4	10.7	12.3	11.8	12.0
8	8.3	7.7	7.9	9.3	8.8	9.0	11.3	10.8	11.0	12.2	11.5	11.9
9	8.3	7.6	7.9	9.3	8.6	8.9	11.5	10.7	11.0	12.1	11.4	11.7
10	8.1	7.3	7.7	9.2	8.6	8.8	11.4	10.9	11.2	12.0	11.4	11.7
11	8.2	7.4	7.8	9.5	8.6	8.8	11.5	11.0	11.2	12.1	11.4	11.7
12	8.3	7.6	7.9	9.6	9.0	9.3	11.5	10.8	11.1	12.2	11.4	11.7
13	8.3	7.8	8.0	10.2	9.3	9.6	11.9	10.8	11.2	12.4	11.7	12.0
14	8.6	8.0	8.2	10.1	9.1	9.5	11.8	11.3	11.5	12.6	12.0	12.2
15	8.6	8.0	8.3	9.5	8.7	9.0	11.6	11.3	11.4	12.6	12.0	12.3
16	8.7	8.1	8.4	9.2	8.3	8.6	11.5	10.8	11.1	12.7	11.9	12.2
17	8.7	8.3	8.5	9.0	8.1	8.4	11.3	10.8	11.0	12.7	12.0	12.4
18	8.5	8.2	8.3	9.1	8.5	8.7	11.2	10.5	10.8	13.0	12.1	12.5
19	8.6	8.1	8.3	9.6	8.7	9.0	11.1	10.4	10.7	12.9	12.2	12.5
20	8.9	8.2	8.5	10.0	9.3	9.5	11.0	10.1	10.4	12.9	12.2	12.5
21	9.1	8.5	8.7	10.1	9.5	9.8	11.0	10.0	10.4	12.8	11.9	12.2
22	9.2	8.5	8.8	10.5	9.8	10.0	11.1	10.4	10.7	12.2	11.5	11.8
23	9.1	8.5	8.8	10.5	9.8	10.1	11.2	10.6	10.8	12.1	11.4	11.6
24	9.3	8.4	8.7	10.0	9.6	9.7	11.6	10.7	11.1	12.1	11.0	11.5
25	9.3	8.6	8.9	10.3	9.5	9.8	11.9	11.2	11.5	12.5	11.6	12.0
26	9.2	8.5	8.8	10.3	9.7	9.9	12.0	11.4	11.7	12.5	11.9	12.3
27	8.9	8.2	8.6	10.7	9.9	10.1	11.8	11.0	11.4	13.3	12.0	12.6
28	8.9	8.1	8.4	10.7	10.1	10.4	11.7	10.8	11.2	13.6	12.5	13.1
29	---	---	---	10.9	10.2	10.5	11.8	11.1	11.4	13.8	12.6	13.2
30	---	---	---	11.1	10.5	10.7	12.0	11.2	11.5	14.2	13.0	13.6
31	---	---	---	11.3	10.7	10.9	---	---	---	14.2	13.2	13.8
MONTH	9.3	7.3	8.2	11.3	7.3	9.2	12.0	10.0	11.1	14.2	10.7	12.1

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	14.1	13.2	13.7	13.2	12.2	12.6	12.7	11.9	12.4	12.3	11.8	12.0
2	14.1	13.0	13.4	13.0	12.2	12.6	12.1	11.6	12.0	12.4	11.7	11.9
3	13.0	12.2	12.5	12.4	11.8	12.1	12.0	11.6	11.8	13.0	12.1	12.4
4	12.3	11.5	11.9	12.2	11.7	11.9	12.1	11.9	12.0	13.5	13.0	13.2
5	12.3	11.5	11.9	---	---	e12.0	12.6	11.9	12.3	13.3	12.7	12.9
6	12.7	11.7	12.1	12.8	12.1	12.4	12.2	11.9	12.0	13.0	12.7	12.8
7	13.0	11.9	12.4	12.5	12.2	12.3	12.0	11.7	11.8	13.4	12.6	12.8
8	13.2	12.2	12.6	13.1	12.1	12.6	11.9	11.4	11.7	14.2	12.0	13.2
9	13.4	12.3	12.8	13.2	12.5	12.9	12.2	11.8	12.0	14.6	13.6	14.2
10	13.3	12.5	12.9	13.0	12.6	12.8	12.1	11.8	12.0	14.4	13.0	13.5
11	13.0	12.3	12.6	13.0	12.5	12.8	12.3	11.9	12.1	15.9	12.8	14.4
12	12.8	11.8	12.2	12.7	12.3	12.4	12.6	11.9	12.2	15.5	14.5	15.0
13	12.8	11.8	12.2	12.6	12.3	12.4	12.6	12.0	12.3	14.5	13.7	13.9
14	13.0	11.8	12.4	12.8	12.4	12.6	12.5	12.1	12.3	13.9	13.5	13.7
15	13.1	12.1	12.5	13.2	12.2	12.7	12.4	12.0	12.2	14.4	13.6	13.8
16	13.1	12.1	12.6	12.9	12.3	12.5	12.6	11.9	12.3	15.3	14.2	14.6
17	13.3	12.2	12.7	12.4	12.0	12.2	12.6	12.1	12.4	15.2	14.4	14.7
18	13.1	12.3	12.7	12.4	12.1	12.2	12.6	12.0	12.4	14.4	13.2	13.9
19	13.1	12.2	12.6	12.2	11.5	11.9	12.7	12.2	12.4	13.2	12.6	12.9
20	13.1	12.2	12.6	12.4	11.5	11.9	12.4	11.6	12.2	12.7	12.3	12.4
21	13.1	12.3	12.6	12.4	12.0	12.2	12.8	11.4	11.8	12.4	12.0	12.2
22	13.1	12.2	12.6	12.6	12.1	12.3	12.3	11.7	11.9	12.6	12.0	12.2
23	13.0	12.3	12.6	13.1	12.4	12.7	12.3	11.9	12.2	13.1	12.3	12.5
24	13.3	12.2	12.7	13.0	12.4	12.7	12.1	11.6	11.8	13.1	12.6	12.8
25	13.1	12.4	12.7	12.9	12.3	12.6	12.0	11.6	11.8	12.9	12.5	12.7
26	12.9	12.2	12.5	12.9	12.4	12.7	12.3	11.5	11.9	12.6	12.4	12.5
27	13.1	12.3	12.6	12.8	12.4	12.7	12.1	11.7	11.9	12.4	12.2	12.4
28	12.9	12.2	12.5	12.8	12.2	12.6	12.0	11.7	11.9	12.4	12.0	12.1
29	13.0	12.2	12.6	12.8	12.3	12.5	12.0	11.7	11.9	12.3	11.9	12.0
30	13.1	12.2	12.7	12.7	12.3	12.5	12.3	11.6	11.9	12.3	11.8	12.0
31	---	---	---	12.7	12.3	12.5	12.2	11.8	12.0	---	---	---
MONTH	14.1	11.5	12.6	---	---	12.4	12.8	11.4	12.1	15.9	11.7	13.1

e Estimated

09402500 COLORADO RIVER NEAR GRAND CANYON , AZ—CONTINUED

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	894	844	866	857	816	830	837	811	820	819	786	799
2	880	822	851	859	812	829	836	798	813	818	785	808
3	854	815	829	851	812	826	846	799	826	827	799	809
4	855	815	831	849	815	830	841	796	816	826	796	811
5	855	816	830	859	816	835	819	793	802	---	---	e798
6	859	811	833	849	808	824	814	793	799	817	795	806
7	861	821	835	849	808	820	822	788	801	823	803	812
8	874	822	849	851	811	824	808	787	795	814	787	797
9	901	823	858	851	816	827	816	787	801	811	787	796
10	878	812	831	856	817	829	842	783	825	816	791	800
11	845	813	825	861	819	832	835	796	816	816	792	800
12	849	815	828	858	820	836	826	796	807	814	786	796
13	857	813	829	846	807	822	823	787	801	813	786	801
14	852	816	828	841	806	817	816	783	797	826	795	808
15	871	826	848	846	808	820	813	785	796	825	792	804
16	878	816	851	850	810	823	813	785	800	816	792	800
17	849	816	826	859	812	828	836	797	822	815	776	797
18	859	817	832	848	809	822	844	791	817	824	794	806
19	854	810	827	854	811	831	814	791	801	818	791	800
20	850	810	824	842	810	822	815	787	798	819	791	808
21	855	813	827	843	810	821	810	787	796	835	806	821
22	871	819	847	850	813	824	815	785	797	823	785	799
23	875	821	848	853	814	830	819	789	802	825	791	801
24	858	820	831	847	806	824	834	791	818	823	796	806
25	855	819	832	841	806	819	823	785	802	838	800	823
26	863	816	833	848	813	830	823	784	810	827	797	811
27	858	816	830	844	811	827	826	796	808	824	797	811
28	851	807	825	840	809	819	---	---	e801	836	807	818
29	877	814	848	843	803	819	810	789	795	824	786	801
30	880	829	854	837	808	817	816	789	802	810	787	794
31	861	815	833	---	---	---	822	793	811	832	793	816
MONTH	901	807	837	861	803	825	---	---	806	---	---	805

e Estimated

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	830	799	816	860	829	842	926	897	909	941	925	931
2	851	803	833	853	832	844	921	885	904	949	919	938
3	858	833	845	891	844	863	914	883	900	935	908	921
4	855	829	841	916	891	904	924	896	906	931	902	913
5	843	802	824	898	839	870	923	895	905	960	912	938
6	829	801	810	870	835	849	926	897	908	954	933	945
7	825	801	811	875	853	862	926	906	916	933	893	917
8	828	806	814	870	849	857	940	916	926	920	892	909
9	828	807	814	866	846	854	928	902	915	932	915	922
10	834	809	822	914	865	891	928	901	915	943	918	928
11	847	820	831	948	904	924	937	882	904	937	908	919
12	832	800	815	930	884	898	959	931	944	959	923	945
13	821	800	807	904	863	886	940	910	926	954	921	937
14	827	802	810	900	878	886	927	909	918	939	909	921
15	834	806	815	891	867	877	951	922	936	935	895	916
16	834	808	816	938	865	899	937	907	924	939	901	926
17	837	808	823	942	912	931	914	897	903	913	889	900
18	847	819	830	943	891	923	955	898	930	911	886	899
19	831	805	815	914	891	901	948	910	927	928	902	912
20	829	805	812	918	893	905	985	911	958	933	902	914
21	843	809	825	924	895	905	975	927	954	926	905	912
22	839	816	824	918	879	894	943	910	924	927	903	912
23	837	815	826	916	887	894	975	938	956	927	904	912
24	840	821	829	916	882	895	944	922	935	928	886	911
25	849	825	836	920	891	902	945	914	927	972	885	934
26	855	825	837	936	891	914	932	912	920	963	942	948
27	864	837	846	932	908	918	921	908	914	945	915	928
28	869	830	847	925	896	908	954	920	938	941	915	929
29	---	---	---	929	897	909	955	918	934	937	925	928
30	---	---	---	938	903	916	942	921	929	928	925	926
31	---	---	---	930	906	916	---	---	---	939	925	930
MONTH	869	799	824	948	829	892	985	882	924	972	885	923

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	940	927	932	888	865	875	835	821	827	839	804	822
2	931	873	905	875	838	855	842	825	833	854	804	831
3	901	873	888	870	843	858	844	821	828	924	854	904
4	904	865	886	---	---	e854	840	818	828	895	864	880
5	885	858	872	---	---	e869	854	821	837	901	864	879
6	900	858	877	892	842	864	854	814	833	910	872	889
7	889	863	875	868	854	860	831	811	818	890	832	868
8	883	852	872	870	851	860	836	811	825	965	779	856
9	898	879	886	871	842	854	---	---	e826	1200	773	953
10	896	881	888	873	844	855	844	821	830	1030	916	971
11	900	884	891	863	848	853	840	824	832	1040	699	875
12	921	854	885	865	844	855	842	829	835	829	699	766
13	908	861	885	860	842	853	848	816	830	---	---	e849
14	891	852	872	863	842	853	832	814	820	---	---	e890
15	873	851	864	869	847	856	835	815	822	---	---	e896
16	889	863	881	862	838	847	832	814	819	885	860	872
17	905	887	895	872	846	854	834	813	819	863	850	857
18	900	864	884	860	838	852	826	805	816	887	852	866
19	893	861	873	853	837	848	818	804	810	912	860	880
20	893	860	875	861	839	850	827	792	806	905	866	880
21	889	860	871	857	833	845	---	---	e788	903	865	879
22	887	860	872	874	847	859	813	784	797	902	864	877
23	892	866	880	869	839	850	813	781	799	1020	861	892
24	896	870	885	856	839	844	826	795	806	1020	886	921
25	889	861	875	862	823	844	816	797	805	963	865	904
26	885	853	867	859	831	844	845	800	819	902	855	874
27	869	850	858	856	827	838	828	797	811	895	853	867
28	882	857	871	878	831	855	816	797	804	894	848	865
29	888	856	871	880	819	841	815	797	806	894	847	869
30	881	856	871	909	818	854	820	799	807	904	871	882
31	---	---	---	900	826	855	824	801	814	---	---	---
MONTH	940	850	880	---	---	853	---	---	818	---	---	877

e Estimated