

021720709 COOPER RIVER AT U.S. HIGHWAY 17 AT CHARLESTON, SC--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1997 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1997 to current year.

WATER TEMPERATURE: April 1997 to current year.

DISSOLVED OXYGEN: April 1997 to current year.

INSTRUMENTATION.--Water-quality multiprobe and data collection platform.

REMARKS.--Dissolved oxygen concentrations are not corrected for salinity.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 52,500 microsiemens, July 2, 2000; minimum, 12,000 microsiemens, Feb. 19, 1998.

WATER TEMPERATURE: Maximum, 31.5°C, on several days during August, 1999; minimum, 7.0°C, Jan. 30-Feb. 3, 2000.

DISSOLVED OXYGEN: Maximum, 12.4 mg/L, Jan. 31, 2000; minimum, 3.3 mg/L, Jul. 26, 1999.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 52,500 microsiemens, July 2; minimum, 23,700 microsiemens, Jan. 28.

WATER TEMPERATURE: Maximum, 31.0°C, July 20-22; minimum, 7.0°C, Jan. 30-Feb. 3.

DISSOLVED OXYGEN: Maximum, 12.4 mg/L, Jan. 31; minimum, 3.4 mg/L, July 13, 14.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	44700	31400	38200	38400	28100	33000	40000	31500	36600	38900	28200	33200
2	43100	31800	37200	38900	27400	32700	41500	32600	36800	39200	29800	34200
3	41100	30000	35900	36000	26400	30300	40700	32600	36400	40100	31300	35400
4	38800	30100	34800	36900	26800	31700	40900	32300	36200	38600	31800	34600
5	40400	30600	35200	35900	26200	31300	40700	32200	36400	37900	29300	33700
6	44000	31700	37300	35900	26000	31100	40600	32700	35800	39600	27200	34300
7	43900	33200	38200	37100	26400	31600	39600	30400	35200	39200	28000	34200
8	43500	33200	38200	39000	28300	33200	39500	30800	35600	39800	29400	34600
9	41400	33400	37400	38000	29000	33600	39800	29900	35400	40000	29600	34900
10	41100	32200	36200	38400	27700	33300	37400	30100	34300	37800	29500	33900
11	40300	31300	35600	37800	27200	32500	39600	28800	35100	36300	28500	32600
12	43000	30200	35400	39900	26800	33500	41400	31000	36300	37100	27100	32500
13	39300	32000	35300	40000	28900	34900	40900	30400	36000	41100	26200	34200
14	39400	30200	34800	40700	30400	34400	39000	30900	34700	40400	27000	33800
15	40500	29200	35100	41000	29600	35400	39500	28000	34400	42700	30700	36700
16	40800	29100	36000	40000	32300	36500	38900	28900	34200	43200	30800	36600
17	40200	31700	35700	40400	32000	36700	40200	30800	35300	44000	32800	37900
18	35400	27100	32600	40000	32000	37100	40800	32500	36700	49000	32600	39600
19	37900	25800	32600	40300	34200	37200	43200	33400	38200	49400	33600	40900
20	36200	28400	32200	42600	33800	37600	45200	32800	37700	47600	31600	38900
21	38700	28300	33100	44900	33600	38500	46000	31600	37800	48700	33600	39800
22	40200	29600	34400	47100	33900	40100	46100	31200	37700	50500	31900	40700
23	39900	28200	33300	46800	34200	40700	46600	30900	37600	51300	33300	40700
24	43700	28300	34400	47800	34400	40400	46000	29300	36300	50600	33400	39700
25	44200	29100	34800	46100	33000	39400	46200	28100	36400	44600	30000	37400
26	43600	27600	34400	46100	33300	38800	43200	29300	35100	42600	29600	35400
27	44000	25300	33500	42700	28300	36200	42000	26200	33800	40900	25800	33000
28	44500	25300	34000	42600	27300	35900	38900	27100	33300	39500	23700	31600
29	42100	27300	33600	41500	32000	36400	39200	25700	32300	37500	24000	32700
30	41400	27100	33000	39800	32600	36100	37300	26300	32500	39700	25900	31400
31	37400	27100	32100	---	---	---	35900	26500	32000	35900	25900	31200
MONTH	44700	25300	35000	47800	26000	35300	46600	25700	35600	51300	23700	35500

COOPER RIVER BASIN

021720709 COOPER RIVER AT U.S. HIGHWAY 17 AT CHARLESTON, SC--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.0	23.5	24.0	20.0	19.5	20.0	17.0	15.5	16.0	12.0	11.0	11.0
2	24.0	23.5	24.0	20.5	20.0	20.0	16.0	14.5	15.0	12.0	11.0	11.5
3	24.5	23.5	24.0	20.0	19.0	19.5	15.5	14.5	15.0	12.5	11.5	12.0
4	24.5	24.0	24.0	19.0	18.5	18.5	15.0	14.5	15.0	13.0	12.0	12.5
5	24.0	24.0	24.0	18.5	18.0	18.5	15.0	15.0	15.0	13.0	12.5	12.5
6	24.0	23.0	23.5	18.5	18.0	18.5	15.5	15.0	15.0	12.5	12.0	12.5
7	23.5	22.5	23.0	18.5	18.0	18.5	15.0	14.5	15.0	12.5	12.0	12.5
8	23.0	22.5	23.0	19.0	18.0	18.5	15.0	14.5	14.5	12.5	12.0	12.5
9	23.5	22.5	23.0	19.0	18.5	18.5	14.5	14.5	14.5	12.5	12.0	12.5
10	23.5	23.0	23.5	19.0	18.5	18.5	15.0	14.5	14.5	13.0	12.5	13.0
11	24.0	23.5	23.5	19.0	18.5	19.0	15.0	14.5	14.5	13.0	12.5	13.0
12	24.0	23.5	24.0	19.0	18.5	19.0	15.0	14.5	14.5	13.0	13.0	13.0
13	24.0	23.5	23.5	19.0	18.5	18.5	15.0	15.0	15.0	13.5	13.0	13.0
14	24.0	23.5	23.5	19.0	18.5	18.5	15.5	15.0	15.5	13.5	12.0	12.5
15	23.5	23.0	23.5	19.0	18.0	18.5	15.5	15.0	15.0	12.5	12.0	12.0
16	23.0	23.0	23.0	18.5	18.0	18.0	15.0	15.0	15.0	12.5	11.5	12.0
17	23.0	23.0	23.0	18.0	17.0	17.5	15.0	14.5	14.5	12.0	12.0	12.0
18	23.5	22.5	23.0	17.5	16.5	17.0	14.5	14.0	14.5	12.0	11.5	12.0
19	23.0	22.5	23.0	17.5	17.0	17.0	14.5	14.0	14.0	11.5	11.0	11.5
20	23.5	23.0	23.0	17.5	17.0	17.0	14.0	13.5	14.0	11.5	11.0	11.5
21	23.0	22.0	22.5	17.5	17.0	17.0	14.0	13.5	14.0	11.5	10.5	11.0
22	22.5	21.5	22.0	17.5	17.0	17.0	14.0	13.5	14.0	11.0	10.5	10.5
23	22.0	21.0	21.5	18.0	17.5	17.5	13.5	13.5	13.5	10.5	10.0	10.5
24	21.0	20.0	20.5	18.0	17.5	18.0	13.5	13.0	13.0	10.5	10.0	10.0
25	20.0	19.0	19.5	18.5	18.0	18.0	13.0	12.0	12.5	10.0	9.0	9.5
26	19.5	19.0	19.5	18.5	18.0	18.5	12.0	11.5	12.0	9.5	8.5	9.0
27	19.5	19.0	19.5	18.5	18.0	18.5	11.5	11.0	11.5	9.0	8.5	8.5
28	19.5	19.0	19.5	18.0	18.0	18.0	11.5	11.0	11.0	8.5	8.0	8.0
29	19.5	19.0	19.0	18.0	18.0	18.0	11.0	10.5	11.0	8.0	7.5	7.5
30	19.5	19.0	19.5	18.0	17.0	17.5	11.0	10.5	10.5	7.5	7.0	7.5
31	19.5	19.5	19.5	---	---	---	11.0	10.5	11.0	7.5	7.0	7.0
MONTH	24.5	19.0	22.3	20.5	16.5	18.2	17.0	10.5	13.9	13.5	7.0	11.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.5	7.0	7.0	16.0	14.5	15.0	18.5	17.5	18.0	21.0	20.0	20.5
2	8.0	7.0	7.5	16.0	15.0	15.0	18.5	18.0	18.0	21.0	20.5	20.5
3	8.0	7.0	7.5	15.5	15.0	15.0	19.0	18.5	18.5	21.5	21.0	21.0
4	8.5	7.5	8.0	15.5	15.0	15.0	19.0	18.5	19.0	22.0	21.0	21.5
5	8.5	7.5	8.0	15.5	15.0	15.0	18.5	18.0	18.0	22.5	21.5	22.0
6	8.5	7.5	8.0	16.0	15.0	15.5	18.5	17.5	18.0	23.0	22.0	22.5
7	8.5	8.0	8.0	16.0	15.5	15.5	18.5	18.0	18.0	23.0	22.5	22.5
8	9.0	8.0	8.5	16.5	16.0	16.0	19.0	18.0	18.5	23.5	22.5	23.0
9	9.0	8.5	8.5	17.0	16.0	16.5	18.5	17.5	18.0	23.5	23.0	23.0
10	9.0	8.5	9.0	17.5	16.5	17.0	18.5	17.5	18.0	24.0	23.0	23.5
11	9.5	9.0	9.0	17.5	17.0	17.0	18.5	17.5	18.0	24.5	23.5	24.0
12	10.0	9.0	9.5	17.5	17.0	17.5	19.5	18.0	18.5	---	---	---
13	10.0	9.5	10.0	17.0	16.5	16.5	19.0	18.0	18.5	26.0	24.5	25.0
14	11.0	10.0	10.5	17.0	16.0	16.5	18.5	17.5	18.0	---	---	---
15	11.5	10.5	11.0	17.0	15.5	16.5	19.0	17.5	18.0	---	---	---
16	11.5	11.0	11.0	17.0	16.0	16.5	19.5	18.0	18.5	---	---	---
17	11.5	11.0	11.5	17.5	16.5	17.0	19.5	18.5	19.0	25.0	24.0	24.5
18	12.0	11.0	11.5	17.5	15.5	16.5	19.5	19.0	19.0	25.0	24.5	24.5
19	13.0	12.0	12.0	16.5	15.0	16.0	19.5	18.5	19.0	25.5	24.5	25.0
20	12.5	12.0	12.5	16.5	15.0	16.0	19.5	19.0	19.5	26.0	24.5	25.0
21	12.5	12.0	12.5	17.0	16.0	16.5	20.5	19.5	20.0	26.0	25.0	25.0
22	12.5	12.0	12.5	17.0	16.5	17.0	20.0	19.5	20.0	25.5	25.0	25.0
23	13.0	12.0	12.5	17.0	16.5	17.0	20.0	19.5	19.5	25.5	25.0	25.0
24	13.5	12.5	13.0	17.0	16.5	17.0	20.0	19.5	19.5	26.0	25.0	25.5
25	14.0	13.0	13.5	17.5	16.5	17.0	20.0	19.5	19.5	26.5	25.5	26.0
26	14.0	13.5	13.5	18.0	17.0	17.5	20.0	19.0	19.5	26.5	25.5	26.0
27	14.5	14.0	14.0	18.0	17.5	17.5	20.0	19.0	19.5	27.0	26.0	26.5
28	15.0	14.0	14.5	18.0	17.5	17.5	20.0	19.5	19.5	27.5	26.5	27.0
29	15.0	14.5	14.5	18.5	17.5	18.0	20.5	19.0	19.5	27.0	26.5	26.5
30	---	---	---	18.0	17.5	18.0	20.5	19.5	20.0	26.5	25.0	26.0
31	---	---	---	18.5	17.5	18.0	---	---	---	25.5	24.5	25.0
MONTH	15.0	7.0	10.7	18.5	14.5	16.5	20.5	17.5	18.8	27.5	20.0	24.1

021720709 COOPER RIVER AT U.S. HIGHWAY 17 AT CHARLESTON, SC--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	5.7	5.0	5.3	6.5	5.3	6.0	9.9	9.5	9.7	10.5	10.0	10.3
2	5.5	4.8	5.2	6.6	5.9	6.3	9.9	9.4	9.7	10.4	9.8	10.1
3	5.4	4.8	5.1	7.0	5.9	6.6	9.8	9.4	9.6	10.2	9.6	9.9
4	5.3	4.5	5.0	7.1	6.5	6.8	9.5	9.2	9.3	10.0	9.4	9.8
5	5.0	4.5	4.7	7.2	6.6	6.9	9.2	8.7	9.0	9.9	9.4	9.7
6	5.1	4.5	4.8	7.3	6.7	7.0	8.8	8.6	8.7	10.0	9.4	9.7
7	5.1	4.4	4.7	7.4	6.9	7.1	8.8	8.4	8.6	9.9	9.2	9.6
8	5.4	4.5	4.9	7.5	7.0	7.2	8.6	8.3	8.5	9.8	9.2	9.5
9	5.4	4.7	5.0	7.5	7.1	7.3	8.5	8.2	8.4	9.8	9.2	9.5
10	5.2	4.5	4.8	7.7	6.8	7.3	8.7	8.2	8.4	9.5	9.1	9.4
11	5.2	4.5	4.8	7.7	7.0	7.4	8.7	8.4	8.5	9.6	9.2	9.4
12	5.1	4.4	4.8	7.8	7.4	7.6	8.5	8.1	8.4	9.5	9.0	9.4
13	5.4	4.7	5.0	8.1	7.4	7.8	8.5	8.1	8.3	9.6	9.0	9.3
14	5.2	4.7	4.9	8.3	7.6	8.0	8.6	8.1	8.4	9.7	9.2	9.5
15	5.6	4.8	5.2	8.5	7.8	8.3	8.7	8.1	8.5	9.8	9.3	9.5
16	5.8	5.2	5.5	8.9	8.0	8.5	8.8	8.3	8.6	9.9	9.3	9.7
17	6.1	5.6	5.9	9.1	8.5	8.8	8.8	8.1	8.6	9.9	9.4	9.7
18	6.0	5.5	5.8	9.3	8.6	8.9	8.8	8.4	8.6	9.8	9.3	9.6
19	6.1	5.7	5.9	9.5	8.7	9.1	8.8	8.3	8.6	9.8	9.1	9.6
20	6.1	5.5	5.8	9.5	8.8	9.1	8.7	8.4	8.6	9.8	9.3	9.6
21	6.2	5.7	5.9	9.4	8.7	9.1	8.6	8.1	8.4	10.0	9.5	9.8
22	6.2	5.5	5.9	9.5	8.7	9.1	8.6	8.2	8.4	10.2	9.3	9.8
23	6.1	4.9	5.8	9.4	8.7	9.1	8.7	8.4	8.6	10.1	9.6	9.9
24	6.5	5.1	5.9	9.5	8.7	9.1	8.9	8.6	8.7	10.2	9.6	9.9
25	6.1	4.9	5.6	9.5	8.8	9.1	9.4	8.8	9.1	10.5	9.9	10.3
26	6.2	4.8	5.6	9.5	8.8	9.1	9.8	9.2	9.5	10.9	10.2	10.6
27	6.2	5.0	5.6	9.5	8.8	9.2	10.0	9.6	9.8	11.3	10.6	11.0
28	6.3	5.1	5.9	9.5	8.8	9.2	10.4	9.8	10.1	11.7	10.9	11.3
29	6.4	5.4	6.0	9.5	8.7	9.2	10.5	10.0	10.3	12.1	11.2	11.6
30	6.6	5.5	6.2	9.8	9.0	9.4	10.6	10.2	10.4	12.2	11.7	12.0
31	6.6	5.4	6.1	---	---	---	10.5	10.2	10.4	12.4	11.9	12.1
MONTH	6.6	4.4	5.4	9.8	5.3	8.1	10.6	8.1	9.0	12.4	9.0	10.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.3	11.8	12.1	8.9	8.2	8.5	6.2	5.5	5.7	8.7	7.5	8.2
2	12.3	11.6	11.9	8.6	8.1	8.4	6.0	5.6	5.8	8.8	7.7	8.3
3	12.2	11.3	11.8	8.4	7.8	8.1	6.0	5.4	5.8	8.7	7.8	8.4
4	12.2	11.4	11.8	8.1	7.6	7.9	6.0	5.3	5.7	8.8	8.0	8.5
5	12.1	11.4	11.8	8.0	7.6	7.8	6.0	5.6	5.8	9.3	8.4	8.7
6	12.1	11.5	11.8	7.7	7.4	7.6	6.2	5.5	5.9	9.2	8.4	8.6
7	12.3	11.3	11.8	7.7	7.1	7.4	6.4	5.7	6.1	9.1	8.2	8.5
8	12.1	11.1	11.6	7.6	7.0	7.3	6.4	5.9	6.1	8.9	8.2	8.5
9	12.0	11.0	11.5	7.4	7.0	7.2	6.9	5.9	6.5	8.8	8.2	8.5
10	11.8	10.8	11.4	7.3	6.7	7.0	6.8	6.3	6.6	8.9	8.1	8.4
11	11.8	10.8	11.4	7.1	6.6	6.9	6.8	6.3	6.6	8.6	7.8	8.1
12	11.7	11.0	11.3	7.2	6.6	6.9	7.0	6.4	6.7	8.6	7.4	7.9
13	11.3	10.3	11.0	7.1	6.5	6.8	7.1	6.4	6.8	8.0	7.3	7.6
14	11.0	10.2	10.7	7.0	6.4	6.7	7.1	6.5	6.8	---	---	---
15	10.9	9.8	10.5	6.7	6.2	6.5	7.1	6.7	6.9	---	---	---
16	10.8	9.8	10.4	6.5	6.0	6.3	7.0	6.6	6.8	8.0	6.4	7.3
17	10.7	9.7	10.2	6.4	5.9	6.2	7.2	6.5	6.9	7.9	6.3	7.2
18	10.4	9.5	10.0	6.3	5.8	6.0	7.3	6.5	7.0	7.8	6.7	7.3
19	10.2	9.4	9.8	6.2	5.8	6.0	7.6	7.0	7.3	7.9	6.6	7.2
20	10.0	9.1	9.6	6.2	5.8	6.0	7.7	7.1	7.4	7.9	6.5	7.2
21	9.9	9.1	9.5	6.0	5.5	5.7	7.9	7.2	7.6	7.7	6.7	7.3
22	9.8	9.2	9.5	6.0	5.5	5.7	8.1	7.3	7.8	7.7	6.6	7.1
23	9.8	9.3	9.5	6.0	5.3	5.7	8.4	7.5	7.9	8.1	6.9	7.5
24	9.8	9.1	9.4	5.9	5.3	5.6	8.6	7.3	7.9	8.0	7.0	7.5
25	9.6	8.9	9.2	5.9	5.4	5.6	8.7	7.5	8.0	7.8	6.8	7.3
26	9.1	8.7	8.9	6.1	5.5	5.8	8.7	7.6	8.1	7.6	6.8	7.2
27	9.2	8.5	8.8	6.4	5.5	5.9	9.0	7.6	8.1	7.5	6.6	7.0
28	9.1	8.4	8.7	6.4	5.8	6.1	8.8	7.3	8.0	6.9	6.1	6.6
29	9.0	8.3	8.6	6.4	5.8	6.1	8.2	7.3	7.8	6.7	5.7	6.3
30	---	---	---	6.2	5.5	5.9	8.6	7.1	8.0	7.2	6.1	6.6
31	---	---	---	6.0	5.5	5.7	---	---	---	7.4	6.3	6.7
MONTH	12.3	8.3	10.5	8.9	5.3	6.6	9.0	5.3	6.9	9.3	5.7	7.6

