

02172053 COOPER RIVER AT MOBAY NEAR NORTH CHARLESTON, SC--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1983 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1983 to current year.

pH: June 1983 to July 1993 (discontinued).

WATER TEMPERATURE: June 1983 to current year.

DISSOLVED OXYGEN: June 1983 to September 1993 (discontinued).

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

REMARKS.--Specific conductance records rated excellent except for Nov. 22 to Dec. 17, and June 24-26, which are good, and Apr. 10 to June 5, which are poor. Temperature records rated excellent except for Apr. 10 to May 20, which are fair, and May 20 to June 5, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 37,500 microsiemens, May 9, 1995; minimum, 31 microsiemens, Apr. 23, May 5, 1996.

pH: Maximum, 8.3 units, Oct. 8, 9, 1987, Jan. 15, 16, Feb. 14, 28, 29, 1988; minimum, 5.7 units, Sep. 8, 1987.

WATER TEMPERATURE: Maximum, 33.0°C, Aug. 1, 1999; minimum, 4.5°C, Jan. 17, 1988.

DISSOLVED OXYGEN: Maximum, 13.6 mg/L, Jan. 5, 1984; minimum, 1.5 mg/L, Oct. 8, 1989.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 23,000 microsiemens, Sep. 21; minimum, 64 microsiemens, July 27.

WATER TEMPERATURE: Maximum, 31.0°C, Aug. 31; minimum, 6.2°C, Jan. 28.

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	15900	412	4260	15800	446	5990	10100	196	2850	11100	255	2780
2	15400	288	4470	14500	437	5180	13700	285	4020	7170	267	1590
3	13400	278	3670	13700	485	4800	10700	364	3590	7370	227	1620
4	13300	283	3560	13000	529	4460	16100	490	5690	13300	216	1600
5	11100	492	4080	13900	585	4840	15100	883	5110	7580	218	1560
6	11800	456	4210	10100	543	3060	12500	700	3610	6410	221	1260
7	13300	844	5700	9570	359	2180	11700	525	2760	7420	185	1340
8	12400	1100	5230	10400	343	2230	8890	355	2010	4120	169	926
9	14100	1160	5370	11500	280	2660	13100	295	3100	7610	178	2330
10	12600	946	4280	10800	282	2700	19600	353	6730	8780	207	3270
11	9320	450	2720	5720	233	1550	16400	393	5220	12700	219	3620
12	4430	215	781	7680	208	1770	6170	237	1900	14400	321	5020
13	6980	183	1280	12400	190	2580	12200	231	4660	19200	282	7420
14	11700	170	2210	13100	197	3770	9530	194	1860	20300	653	7320
15	---	---	---	13600	216	4770	9820	176	2920	17600	468	5920
16	---	---	---	14200	257	4800	10400	187	2170	18600	383	6540
17	8070	181	1900	11300	214	2230	11600	169	4090	13200	403	3860
18	8150	174	2020	4950	172	1110	19100	254	6950	15000	297	3740
19	5980	162	1300	9980	170	2200	18500	604	6170	5740	231	1200
20	6910	167	1440	11200	185	2410	15500	570	3730	3810	188	827
21	7160	166	1570	13300	207	3040	6100	294	1380	10100	194	2530
22	9090	172	2230	9900	217	1970	8630	252	1810	16900	588	6270
23	12100	197	2920	7780	182	1470	9450	238	1930	15100	678	5040
24	14500	217	3730	11300	185	3010	16500	258	4330	5740	281	1330
25	14600	254	4040	12200	213	2720	8180	209	1600	8540	233	2440
26	13100	266	3420	11900	188	2880	7940	179	1300	12500	299	4320
27	15300	246	4270	11800	198	3000	8160	181	2500	13100	313	4660
28	17500	281	5220	14300	217	4750	5460	162	1270	18300	352	6320
29	16900	327	4950	13200	263	4700	6920	159	1530	16200	469	4230
30	17600	450	6610	6620	211	1780	12300	166	2960	13000	360	3720
31	16900	383	6170	---	---	---	11600	226	2960	11600	372	2640
MONTH	---	---	---	15800	170	3150	19600	159	3310	20300	169	3460

## COOPER RIVER BASIN

02172053 COOPER RIVER AT MOBAY NEAR NORTH CHARLESTON, SC--Continued

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	12500	300	3110	15100	343	5010	5680	148	1330	10600	136	1940
2	10200	298	2280	15200	408	4270	3060	140	755	8530	199	2290
3	8510	275	1750	7020	264	1690	3240	134	655	9330	160	1790
4	7570	268	1780	6240	205	1340	6420	149	1010	13100	214	3080
5	6140	210	1330	5560	171	1200	6540	158	1270	14900	284	3810
6	9450	236	2830	1680	142	439	13100	172	2400	10200	162	1680
7	9960	209	2420	3430	132	674	16100	266	4240	3850	115	634
8	5270	178	1630	4730	144	1320	6310	166	1160	7660	107	1680
9	9650	326	4210	5740	139	1700	13900	170	3280	6400	119	1950
10	13200	272	3640	8830	146	2390	16500	136	3350	6520	102	1570
11	10900	259	3980	13100	175	3290	10600	136	2920	8290	102	2700
12	13300	298	4400	7320	160	2100	10800	132	2780	9470	137	2660
13	11800	332	5080	10600	160	3840	9700	119	2400	14700	151	3690
14	15500	365	6100	11300	210	4640	7980	128	2060	16000	296	4510
15	17800	426	6480	19100	349	6350	6940	152	1850	14300	475	4650
16	16600	387	6870	18500	543	5730	8400	206	2230	12000	430	3640
17	16700	898	6540	9240	408	3170	9610	349	2720	13500	445	3390
18	12200	624	3790	10700	495	3750	9270	496	2930	13500	813	4940
19	13200	721	4150	8070	380	2910	9000	432	2540	14300	683	4120
20	10100	569	3300	8420	346	2610	8580	376	2260	13700	630	4150
21	12400	584	4230	3620	116	627	9760	378	2650	12100	402	3220
22	13500	483	4200	514	96	172	8790	224	1880	8050	282	2580
23	8190	213	1580	219	91	138	5480	224	1490	6730	179	1520
24	5690	189	1120	1080	94	250	8310	203	2190	6620	151	1890
25	9620	210	3100	4170	109	847	8550	164	2340	9150	128	2280
26	16300	210	5040	5130	105	955	6940	150	1700	7550	117	1930
27	18000	268	4560	7820	112	2300	11300	146	2670	7890	111	1810
28	12900	318	4050	12200	145	3350	8750	173	2380	11200	123	2780
29	---	---	---	5760	158	1140	7240	150	1530	8000	122	1800
30	---	---	---	---	---	---	6010	129	1160	10100	131	2290
31	---	---	---	4720	142	997	---	---	---	7260	112	1650
MONTH	18000	178	3700	---	---	---	16500	119	2140	16000	102	2670

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	9680	98	1510	16200	171	3250	6370	93	1070	10200	242	2740
2	10100	136	2450	16200	185	2700	6800	103	1420	12600	231	3390
3	10100	156	2740	6290	123	1030	6090	99	1330	13700	225	3610
4	12200	141	2050	7120	111	1320	6200	95	1270	15300	251	4160
5	5970	118	1360	5150	99	1200	6260	89	950	16500	247	4350
6	9960	151	3090	4330	89	968	7190	87	1280	18400	348	5920
7	11600	160	3590	4960	87	1050	11800	104	2370	16600	401	5020
8	5880	128	1660	7000	90	1340	12300	127	2510	13400	363	4060
9	6360	111	1310	12900	105	2670	10700	116	1880	8310	180	1760
10	8760	104	1690	13600	152	3270	10200	118	1810	6790	117	1200
11	10100	121	2120	12100	178	2660	9940	144	1880	7810	113	1640
12	8950	140	2050	11200	172	2230	11100	185	2350	6370	129	1510
13	7410	156	1600	11400	198	2390	10800	226	2590	3690	96	714
14	8600	185	1760	10200	200	2280	10100	215	2410	6340	88	1040
15	7320	172	1460	10900	281	2400	8720	179	1990	7270	94	1390
16	7320	189	1330	10900	304	2560	6960	149	1780	10800	98	2530
17	6710	126	925	8330	203	1570	7740	140	2210	17600	134	4830
18	---	---	---	6060	172	1600	9080	118	2070	14000	259	4470
19	---	---	---	5460	112	1150	14900	120	3910	12800	156	3030
20	---	---	---	4660	95	988	17600	209	5140	19900	210	6050
21	---	---	---	10600	91	2040	17800	269	5150	23000	800	8850
22	---	---	---	7220	87	1380	17000	274	5060	22800	1090	9510
23	---	---	---	7240	83	1360	16300	265	4860	17000	910	6160
24	---	---	---	5810	78	789	21400	287	6410	18300	760	6270
25	12100	104	2710	6510	74	1000	21500	956	8950	17400	1210	7730
26	12700	113	3420	6150	69	942	17900	697	5970	15200	1510	7140
27	14500	112	3280	7320	64	960	15200	475	4510	14400	1270	6300
28	14700	165	3820	5470	65	610	12700	383	3630	13200	1090	4990
29	13300	175	3140	5590	68	691	11700	351	3200	12400	726	3830
30	13700	178	2920	6140	74	777	11300	351	3170	13300	574	3910
31	---	---	---	6370	89	838	9440	294	2640	---	---	---
MONTH	---	---	---	16200	64	1610	21500	87	3090	23000	88	4270

02172053 COOPER RIVER AT MOBAY NEAR NORTH CHARLESTON, SC--Continued

Temperature, water, degrees Celsius  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	27.3	26.7	27.0	21.6	20.6	21.3	13.8	12.9	13.3	11.0	10.0	10.5
2	27.2	26.5	26.9	21.0	20.1	20.7	13.5	12.6	12.9	10.9	10.6	10.8
3	27.3	26.5	26.9	20.5	19.8	20.2	13.0	12.3	12.7	11.2	10.8	11.0
4	27.4	26.7	27.0	20.2	19.3	19.8	12.8	11.8	12.3	11.0	10.6	10.8
5	27.5	27.0	27.2	19.6	19.2	19.4	12.0	11.3	11.6	10.9	10.3	10.6
6	27.9	27.2	27.5	19.7	19.1	19.4	11.6	10.7	11.1	11.0	10.2	10.5
7	28.1	27.4	27.7	19.3	18.7	18.9	11.3	10.3	10.7	10.5	9.9	10.1
8	27.8	27.3	27.6	19.1	18.4	18.7	11.0	10.3	10.6	10.2	9.5	9.8
9	27.3	26.6	27.0	19.1	18.4	18.7	10.9	10.5	10.6	10.4	9.5	9.9
10	26.9	26.4	26.7	19.3	18.6	18.9	10.9	10.4	10.6	10.6	9.9	10.2
11	26.7	25.9	26.4	19.5	18.9	19.1	10.9	10.2	10.6	10.6	9.9	10.3
12	26.2	25.5	25.8	19.5	19.0	19.2	10.6	10.2	10.4	10.3	9.8	10.1
13	26.1	25.2	25.6	19.3	18.7	19.1	11.0	10.2	10.6	10.1	9.6	9.9
14	25.6	24.3	25.0	18.9	18.0	18.6	10.8	10.5	10.6	10.0	9.4	9.8
15	---	---	---	18.7	17.7	18.3	10.6	10.0	10.5	9.8	9.2	9.5
16	---	---	---	18.7	17.9	18.2	10.6	10.2	10.4	9.6	8.9	9.3
17	23.1	22.2	22.6	18.4	17.0	17.7	10.6	10.2	10.4	9.6	8.9	9.2
18	22.6	21.6	22.0	17.1	16.3	16.6	10.8	10.3	10.6	9.1	8.4	8.8
19	21.9	21.3	21.5	16.9	15.9	16.2	11.2	10.6	10.9	8.6	7.9	8.2
20	21.9	21.3	21.5	16.7	15.6	16.0	12.0	11.1	11.4	8.2	7.5	7.8
21	21.9	21.5	21.7	16.6	15.7	16.0	11.6	11.3	11.4	8.9	7.8	8.3
22	21.9	21.4	21.7	16.4	15.7	15.9	11.9	11.3	11.5	8.8	8.6	8.7
23	21.7	21.3	21.5	15.9	15.2	15.4	12.2	11.4	11.6	8.7	7.9	8.4
24	21.6	21.3	21.4	16.0	15.0	15.3	12.0	11.6	11.8	8.1	6.8	7.5
25	21.5	21.0	21.2	15.9	15.0	15.3	12.1	11.2	11.8	7.4	6.3	7.0
26	21.3	20.9	21.1	15.9	14.9	15.3	11.4	10.9	11.1	7.4	6.4	6.9
27	21.9	20.8	21.2	15.7	15.0	15.3	11.2	10.4	10.9	7.2	6.3	6.8
28	22.0	21.1	21.5	15.4	14.4	14.9	10.8	9.8	10.4	7.0	6.2	6.7
29	22.2	21.5	21.8	14.9	13.8	14.4	10.4	9.7	10.0	7.2	6.3	6.8
30	22.3	21.9	22.1	14.2	13.2	13.7	10.4	9.6	10.0	7.5	6.7	7.2
31	22.0	21.3	21.8	---	---	---	10.4	9.6	10.1	7.6	7.2	7.4
MONTH	---	---	---	21.6	13.2	17.6	13.8	9.6	11.1	11.2	6.2	9.0

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.9	7.4	7.7	11.5	10.8	11.1	17.3	16.6	16.9	22.0	21.5	21.8
2	8.5	7.6	8.0	12.0	10.8	11.3	17.0	16.2	16.6	22.4	21.5	22.0
3	9.1	8.0	8.4	11.8	11.1	11.3	17.1	16.3	16.7	22.9	22.2	22.5
4	9.6	8.6	9.1	11.9	11.4	11.7	17.7	16.9	17.1	23.3	22.4	22.7
5	9.9	9.3	9.5	12.5	11.8	12.2	18.2	17.3	17.7	23.2	22.5	22.7
6	10.0	9.3	9.7	13.3	12.4	12.9	18.5	17.9	18.2	23.4	22.6	22.9
7	10.0	9.4	9.8	13.3	13.0	13.2	18.9	17.9	18.5	23.6	22.8	23.1
8	10.2	9.3	9.6	14.1	12.7	13.2	18.7	18.2	18.5	24.2	23.3	23.6
9	10.0	9.2	9.5	13.7	13.3	13.4	18.2	17.0	17.8	24.7	23.7	24.0
10	9.7	9.1	9.5	14.4	13.2	13.5	17.6	15.7	16.7	24.9	24.0	24.3
11	9.6	9.0	9.3	14.3	13.2	13.7	16.6	15.1	15.8	24.9	24.4	24.7
12	9.7	9.0	9.4	14.8	13.5	14.1	16.0	15.1	15.4	25.1	24.6	24.8
13	9.7	9.1	9.4	14.6	14.0	14.4	16.2	15.1	15.6	25.1	24.5	24.9
14	9.7	9.2	9.5	14.7	14.2	14.4	16.7	15.7	16.2	24.9	24.3	24.7
15	10.4	9.4	9.9	14.5	13.6	14.1	17.7	16.5	17.1	24.7	23.9	24.4
16	10.5	10.1	10.3	14.4	13.9	14.2	18.6	17.3	17.9	24.9	24.1	24.3
17	10.5	9.8	10.2	14.4	14.0	14.2	19.2	18.0	18.6	24.6	24.2	24.4
18	10.3	9.8	10.0	14.9	14.1	14.4	20.1	18.7	19.3	24.7	24.1	24.4
19	10.7	9.5	9.9	15.9	14.6	15.0	19.9	19.4	19.6	24.5	23.9	24.2
20	10.9	9.7	10.1	16.2	15.3	15.7	20.6	19.4	19.7	24.6	23.3	23.9
21	10.9	10.2	10.5	17.2	15.9	16.7	20.9	19.5	19.9	24.3	23.3	23.8
22	11.4	10.8	11.1	17.9	16.9	17.4	20.5	19.7	20.0	24.0	23.3	23.7
23	11.7	11.3	11.5	18.1	17.5	17.8	20.5	19.7	20.0	23.8	23.3	23.5
24	12.0	11.3	11.6	18.4	17.7	18.1	20.3	19.4	20.0	24.0	23.2	23.6
25	12.1	11.6	11.8	18.7	17.5	18.2	20.4	19.9	20.1	24.2	23.6	23.9
26	11.9	11.7	11.8	18.6	17.9	18.3	20.2	19.9	20.0	24.5	23.9	24.2
27	11.8	11.3	11.6	18.5	18.1	18.3	20.5	19.8	20.1	24.7	24.3	24.5
28	11.5	11.0	11.3	18.5	17.8	18.2	20.8	20.1	20.4	25.1	24.4	24.8
29	---	---	---	18.9	18.2	18.5	21.1	20.4	20.8	25.2	24.8	25.0
30	---	---	---	---	---	---	21.8	21.0	21.4	25.3	24.8	25.0
31	---	---	---	17.9	17.0	17.5	---	---	---	25.5	24.9	25.2
MONTH	12.1	7.4	10.0	---	---	---	21.8	15.1	18.4	25.5	21.5	23.9

## COOPER RIVER BASIN

02172053 COOPER RIVER AT MOBAY NEAR NORTH CHARLESTON, SC--Continued

Temperature, water, degrees Celsius  
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	25.7	25.0	25.3	28.8	28.2	28.6	28.9	28.1	28.6	30.7	30.3	30.5
2	26.2	24.9	25.4	28.4	28.0	28.2	29.5	28.2	28.9	30.6	30.2	30.4
3	25.7	25.0	25.4	28.4	27.6	28.0	29.6	28.8	29.1	30.6	30.2	30.4
4	25.6	25.1	25.4	28.8	27.8	28.2	29.5	28.9	29.1	30.5	30.1	30.3
5	26.1	25.2	25.5	28.7	28.0	28.3	29.2	28.6	28.9	30.2	29.3	29.9
6	26.0	25.4	25.7	28.9	28.2	28.5	29.1	28.6	28.8	29.6	28.0	28.9
7	26.2	25.6	25.9	28.7	28.4	28.5	29.0	28.6	28.8	28.3	27.2	27.8
8	26.3	25.8	26.1	29.1	28.4	28.7	28.9	28.5	28.7	27.5	26.3	26.8
9	26.8	26.0	26.3	29.3	28.7	29.0	29.0	28.6	28.8	26.6	25.6	26.0
10	27.0	26.3	26.6	29.5	28.8	29.3	29.2	28.6	28.9	26.0	25.2	25.5
11	27.4	26.7	27.1	29.7	29.1	29.4	29.4	28.6	29.1	25.4	24.8	25.0
12	27.8	27.3	27.5	29.8	29.2	29.5	29.5	28.8	29.1	25.0	24.4	24.6
13	27.8	27.3	27.6	29.6	28.9	29.4	29.5	28.8	29.3	25.1	24.1	24.5
14	28.1	27.4	27.6	29.3	28.8	29.1	29.9	28.9	29.4	25.6	24.5	24.8
15	28.4	27.5	27.8	29.3	28.5	29.0	30.2	29.2	29.6	26.1	24.8	25.2
16	28.7	27.8	28.1	29.7	28.6	29.1	30.3	29.4	29.8	26.1	25.2	25.6
17	28.3	27.7	27.9	30.1	29.0	29.4	30.1	29.4	29.8	25.8	25.3	25.6
18	28.1	27.1	27.6	29.8	29.2	29.5	30.3	29.6	29.8	25.7	25.0	25.4
19	27.6	26.4	26.9	29.7	29.1	29.4	30.0	29.6	29.8	25.7	24.8	25.1
20	---	---	---	29.9	28.9	29.2	30.0	29.4	29.8	25.8	24.7	25.2
21	---	---	---	29.6	29.1	29.3	30.0	29.4	29.8	25.8	25.1	25.5
22	---	---	---	29.5	28.9	29.1	29.8	29.3	29.6	26.0	25.4	25.7
23	---	---	---	29.0	28.3	28.8	29.7	29.3	29.5	26.0	25.6	25.8
24	---	---	---	28.3	27.6	28.1	29.7	28.8	29.4	25.9	25.4	25.7
25	28.0	27.3	27.5	27.7	27.0	27.4	29.6	28.8	29.2	25.9	25.5	25.7
26	28.3	27.6	27.9	27.2	26.4	26.7	29.7	29.1	29.4	25.8	25.4	25.7
27	28.6	27.9	28.2	27.0	26.1	26.4	29.9	29.3	29.6	25.9	25.4	25.7
28	28.8	28.0	28.5	26.8	26.2	26.5	30.4	29.4	29.9	26.4	25.5	25.8
29	28.8	28.2	28.6	27.4	26.6	27.0	30.5	29.6	30.1	25.9	25.1	25.3
30	28.9	28.3	28.6	28.2	27.1	27.6	30.7	29.7	30.3	25.2	24.4	24.6
31	---	---	---	28.6	27.7	28.2	31.0	30.1	30.5	---	---	---
MONTH	---	---	---	30.1	26.1	28.5	31.0	28.1	29.4	30.7	24.1	26.4