

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.

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, 19,500 microsiemens, May 30; minimum, 100 microsiemens, many days every month.

WATER TEMPERATURE: Maximum, 31.5°C, July 21, 22; minimum, 6.0°C, Feb. 1.

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	9300	140	2100	7240	218	1600	6160	254	1720	8540	171	2790
2	8860	315	2000	7780	100	2160	6080	205	1440	12700	260	4690
3	5780	120	1190	900	100	363	8360	120	2220	12900	200	3970
4	6480	100	1160	945	139	431	7260	140	1710	7360	407	2420
5	9260	100	2110	940	100	390	9680	160	2920	3260	232	879
6	10400	100	3340	1360	100	394	8700	240	1830	7020	190	1390
7	8540	260	3150	1080	120	470	5380	100	1080	6860	100	1220
8	8620	531	3260	5140	100	1000	5460	100	1020	8400	100	2290
9	7820	552	2780	6360	180	1360	7680	175	1590	11300	257	3290
10	5220	397	1520	5460	140	1010	8240	189	1810	10500	100	2670
11	5600	349	1260	3560	100	560	8560	140	2000	4900	233	1090
12	6120	271	1540	8840	100	2220	10500	100	2820	3160	100	697
13	8440	100	2650	12000	277	3470	10200	325	3140	4120	100	854
14	6540	120	1710	9040	249	2290	5660	100	1500	6520	100	1460
15	10900	120	2900	12800	120	3290	6260	100	1430	9260	151	2360
16	14300	340	4630	13800	374	4880	3440	145	1010	10500	151	2050
17	13200	518	5250	11600	254	3050	7220	145	2090	12100	161	4260
18	3120	160	756	6480	178	1790	12400	167	4690	17400	340	6100
19	10600	100	2210	8580	180	2830	16900	480	6770	14100	280	4320
20	6000	159	1430	9020	140	2790	12200	100	3070	9320	100	2780
21	7040	132	1360	11000	272	3760	7540	180	1660	9680	280	2740
22	6320	193	1860	13000	100	4490	6020	100	1310	11000	100	3260
23	3140	100	813	10800	140	3380	6720	271	1510	11800	280	3790
24	3760	160	896	10400	120	3130	3900	100	888	11100	100	3020
25	3180	180	780	8660	100	2460	5760	250	1120	5360	400	1540
26	2380	100	638	8240	360	2480	3680	243	815	1740	100	552
27	2120	198	576	3580	140	949	3160	100	626	915	137	373
28	3240	205	690	5560	180	999	2920	100	503	1140	123	325
29	4220	210	825	7480	180	1600	2600	137	527	3280	123	595
30	5420	100	1120	8580	353	2630	5280	163	1580	7420	129	2050
31	4720	160	934	---	---	---	5460	163	1640	5680	150	1130
MONTH	14300	100	1850	13800	100	2070	16900	100	1870	17400	100	2290

COOPER RIVER BASIN

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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	25.0	24.0	24.5	20.0	19.0	19.5	16.5	15.0	16.0	11.0	10.5	11.0
2	24.5	24.0	24.0	20.0	19.5	20.0	15.5	14.0	15.0	11.5	11.0	11.0
3	24.5	24.0	24.0	19.5	19.0	19.0	15.0	14.0	14.5	12.0	11.5	11.5
4	24.5	24.0	24.0	19.0	18.5	18.5	14.5	13.5	14.0	12.5	11.5	12.0
5	24.0	23.5	24.0	18.5	18.0	18.0	14.5	14.0	14.5	13.0	12.5	12.5
6	24.0	23.0	23.5	18.0	17.5	18.0	15.0	14.0	14.5	13.0	12.0	12.5
7	23.5	23.0	23.5	18.0	17.5	18.0	14.5	14.0	14.5	13.0	12.5	12.5
8	23.0	23.0	23.0	18.0	17.5	18.0	14.5	14.0	14.0	12.5	12.0	12.5
9	23.5	23.0	23.0	18.5	18.0	18.0	14.5	14.0	14.0	13.0	12.0	12.5
10	24.0	23.0	23.5	19.0	18.0	18.5	15.0	14.0	14.5	13.5	12.5	13.0
11	24.0	23.5	24.0	19.0	18.5	19.0	15.0	14.0	14.5	13.5	13.0	13.0
12	24.0	24.0	24.0	19.0	19.0	19.0	15.0	14.0	14.5	13.5	13.0	13.0
13	24.0	23.5	24.0	19.0	18.5	19.0	15.5	15.0	15.0	13.5	13.0	13.0
14	24.5	23.5	24.0	19.0	18.5	19.0	15.5	15.0	15.5	13.0	12.5	12.5
15	24.0	23.5	24.0	19.0	18.5	18.5	15.5	15.0	15.5	12.5	11.5	12.0
16	24.0	23.5	23.5	18.5	17.5	18.0	15.5	14.5	15.0	12.5	11.0	11.5
17	23.5	23.0	23.5	18.0	17.0	17.5	15.0	14.0	14.5	12.0	11.0	11.5
18	23.0	22.5	23.0	17.5	16.0	17.0	15.0	14.0	14.5	12.0	11.0	11.5
19	23.0	22.5	22.5	17.0	16.5	16.5	14.5	14.0	14.0	11.5	11.0	11.0
20	23.0	22.5	22.5	17.0	16.5	17.0	14.5	13.5	14.0	11.0	10.5	11.0
21	23.0	22.0	22.5	17.5	16.5	17.0	14.0	13.0	13.5	11.0	10.0	10.5
22	22.0	21.5	22.0	17.5	17.0	17.0	13.5	13.0	13.5	10.5	10.0	10.5
23	21.5	20.5	21.0	18.0	17.0	17.5	13.5	13.0	13.5	10.5	10.0	10.0
24	21.0	20.0	20.5	18.0	17.5	17.5	13.5	12.5	13.0	10.5	9.5	10.0
25	20.0	19.5	19.5	18.5	17.5	18.0	13.0	12.0	12.5	10.0	8.5	9.0
26	19.5	19.0	19.5	18.5	18.0	18.0	12.0	11.0	11.5	9.0	8.0	8.5
27	19.5	19.0	19.0	18.5	18.0	18.0	11.5	10.5	11.0	8.5	7.0	7.5
28	19.5	19.0	19.0	18.0	17.5	18.0	11.0	10.5	11.0	7.5	6.5	7.0
29	19.5	18.5	19.0	18.0	17.5	17.5	10.5	10.5	10.5	7.0	6.5	6.5
30	19.5	19.0	19.0	17.5	16.5	17.0	11.0	10.5	10.5	7.0	6.5	6.5
31	19.5	19.0	19.0	---	---	---	11.0	10.5	10.5	7.0	6.5	6.5
MONTH	25.0	18.5	22.3	20.0	16.0	18.0	16.5	10.5	13.7	13.5	6.5	10.8
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.0	6.0	6.5	15.5	14.5	15.0	19.5	18.5	19.0	21.0	20.5	20.5
2	7.0	6.5	6.5	15.5	15.0	15.5	19.5	19.0	19.0	21.5	20.5	21.0
3	7.0	6.5	7.0	15.5	15.0	15.5	20.0	19.0	19.5	22.0	21.5	21.5
4	7.0	6.5	7.0	15.5	15.0	15.5	20.0	19.5	20.0	22.5	21.5	22.0
5	7.5	7.0	7.0	16.0	15.0	15.5	20.0	19.5	19.5	23.5	22.0	22.5
6	7.5	7.0	7.0	16.0	15.5	15.5	19.5	19.0	19.0	24.0	22.5	23.0
7	7.5	7.0	7.5	16.5	15.5	16.0	20.0	19.0	19.0	24.0	23.0	23.5
8	8.0	7.5	8.0	16.5	16.0	16.5	20.0	19.0	19.5	24.5	23.0	23.5
9	8.5	8.0	8.0	17.5	16.5	17.0	19.5	19.0	19.0	24.5	23.5	24.0
10	10.0	8.5	9.0	18.0	17.0	17.5	19.5	18.5	19.0	25.0	24.0	24.5
11	10.0	9.0	9.0	18.5	17.5	18.0	19.5	18.5	19.0	25.0	24.5	24.5
12	10.0	9.5	9.5	18.5	18.0	18.0	19.5	18.5	19.0	25.5	24.5	25.0
13	10.5	9.5	10.0	18.0	17.5	17.5	19.5	19.0	19.5	26.0	25.0	25.5
14	11.0	10.0	10.5	17.5	16.5	17.5	19.0	18.0	18.5	26.0	25.5	25.5
15	11.5	10.5	11.0	17.5	16.5	17.0	19.0	18.5	18.5	26.0	25.0	25.5
16	12.0	11.0	11.5	17.5	17.0	17.0	19.5	18.5	19.0	25.5	25.0	25.5
17	12.0	11.5	11.5	17.5	17.0	17.5	20.0	19.0	19.5	25.5	25.0	25.5
18	12.5	11.5	12.0	17.5	16.5	17.0	20.0	19.5	19.5	25.5	25.0	25.5
19	13.0	12.0	12.5	17.0	16.5	16.5	20.0	19.5	19.5	26.0	25.0	25.5
20	13.0	12.5	13.0	17.5	16.5	17.0	21.0	19.5	20.0	26.5	25.5	25.5
21	13.0	12.5	13.0	17.5	17.0	17.0	21.0	20.0	20.5	26.0	25.5	26.0
22	13.5	12.5	13.0	17.5	17.0	17.5	21.0	20.5	20.5	26.0	25.5	26.0
23	14.0	12.5	13.0	17.5	17.0	17.5	21.0	20.0	20.5	26.5	25.5	26.0
24	13.5	13.0	13.0	18.0	17.0	17.5	21.0	20.0	20.5	26.5	25.5	26.0
25	14.0	13.0	13.5	18.0	17.0	17.5	21.0	20.5	20.5	27.0	26.0	26.5
26	14.0	13.5	13.5	18.0	17.5	18.0	21.0	20.0	20.5	27.5	26.5	27.0
27	14.5	13.5	14.0	19.0	18.0	18.5	20.5	20.0	20.5	28.0	27.0	27.5
28	15.0	14.0	14.5	19.0	18.5	19.0	20.5	20.0	20.0	28.0	27.5	28.0
29	15.0	14.5	15.0	19.5	18.5	19.0	20.5	20.0	20.0	28.0	27.0	27.5
30	---	---	---	19.0	18.5	19.0	20.5	20.0	20.5	28.0	26.0	27.0
31	---	---	---	19.5	18.5	19.0	---	---	---	27.0	26.0	26.5
MONTH	15.0	6.0	10.6	19.5	14.5	17.2	21.0	18.0	19.6	28.0	20.5	25.0

