

CHARLESTON HARBOR

021720869 ASHLEY RIVER NEAR NORTH CHARLESTON, SC

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1992 TO 1995, 2004.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE (TOP): July 1992 to September 1995, March 2004 to September 2004.

SPECIFIC CONDUCTANCE (BOTTOM): July 1992 to September 1994, March 2004 to September 2004.

SALINITY (TOP): March 1993 to September 1995 (discontinued).

SALINITY (BOTTOM): April 1993 to September 1994 (discontinued).

WATER TEMPERATURE (TOP): July 1992 to September 1995, March 2004 to September 2004.

WATER TEMPERATURE (BOTTOM): July 1992 to September 1994, March 2004 to September 2004.

DISSOLVED OXYGEN (TOP): July 1992 to September 1995, March 2004 to September 2004.

DISSOLVED OXYGEN (BOTTOM): July 1992 to September 1994, March 2004 to September 2004.

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

REMARKS.--Specific conductance (Top) records rated excellent except for Apr. 17 to May 4, May 15-20, June 20, 21, which are good. Specific conductance (Bottom) rated excellent except for May 16-20, Sep. 10-20, which are good. Temperature (Top) records rated excellent. Temperature (Bottom) records rated excellent. Dissolved oxygen (Top) records rated good except for July 16-19, Aug. 2, 9-11, 23, 24, 31, Sep. 1, which are fair, and Mar. 17 to Apr. 25, Aug. 12, which are poor. Dissolved oxygen (Bottom) records rated good except for June 5-8, 12, 13, 24, 25, July 28-31, Aug. 7, 8, 29, 30, which are fair, and Mar. 17-May 25, June 14-21, June 26 to July 6, Aug. 1, 2, 9-12, and Aug. 31, Sep. 1, which are poor. Prior to October 1, 2003 dissolved oxygen concentrations are not corrected for salinity.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE (TOP): Maximum, 40,300 microsiemens, Sep. 18, 1993; minimum, 60 microsiemens, Oct. 14, 15, 1994.

SPECIFIC CONDUCTANCE (BOTTOM): Maximum, 39,300 microsiemens, Sep. 20, 1993; minimum, 100 microsiemens, Jan. 13-23, 1993, Aug. 17, 22, 25, 1994.

SALINITY (TOP): Maximum 25.8 ppt, Sep. 18, 1993; minimum 0.0 ppt, Aug. 17, 18, Oct. 14, 15, 1994.

SALINITY (BOTTOM): Maximum 24.8 ppt, Sep. 19, 1993, Dec. 10, 1994; minimum 0.0 ppt, Jan. 13, 14, 17-23, 1993, Aug. 17-20, 22-25, 1994.

WATER TEMPERATURE (TOP): Maximum, 32.0°C, July 23, 28, 29, 1994, July 20-24, 1995; minimum, 5.5°C, Jan. 21, 22, 1994.

WATER TEMPERATURE (BOTTOM): Maximum, 31.6°C, July 11, 14, 15, 2004; minimum, 6.0°C, Jan. 21-23, 1994.

DISSOLVED OXYGEN (TOP): Maximum, 15.2 mg/L, Jan. 26, 1994; minimum, 1.5 mg/L, July 13, 14, 1994.

DISSOLVED OXYGEN (BOTTOM): Maximum, 15.5 mg/L, Jan. 26, 1994; minimum, 1.0 mg/L, Aug. 3, 2004.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE (TOP): Maximum, 38,700 microsiemens, June 6; minimum, 2,930 microsiemens, Sep. 18.

SPECIFIC CONDUCTANCE (BOTTOM): Maximum, 38,900 microsiemens, Aug. 2; minimum, 3,890 microsiemens, Sep. 18.

WATER TEMPERATURE (TOP): Maximum, 31.8°C, July 7, 15; minimum, 14.8°C, Mar. 24.

WATER TEMPERATURE (BOTTOM): Maximum, 31.6°C, July 11, 14, 15; minimum, 14.8°C, Mar. 24.

DISSOLVED OXYGEN (TOP): Maximum, 9.9 mg/L, Mar. 27; minimum, 2.1 mg/L, Aug. 4, 6.

DISSOLVED OXYGEN (BOTTOM): Maximum, 8.9 mg/L, Mar. 24-26; minimum, 1.0 mg/L, Aug. 3.

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Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	30700	19700	25700	29100	15700	23600
2	---	---	---	---	---	---	31400	19700	26600	27300	14500	21700
3	---	---	---	---	---	---	33100	20500	27800	26200	10300	19100
4	---	---	---	---	---	---	33800	20400	27800	30900	10500	20000
5	---	---	---	---	---	---	34400	21000	28800	31400	11000	21000
6	---	---	---	---	---	---	35300	21300	29000	31900	11200	21200
7	---	---	---	---	---	---	35200	21000	28700	32100	12500	22100
8	---	---	---	---	---	---	35400	21900	28800	32100	12600	22200
9	---	---	---	---	---	---	35400	22800	29100	32100	14200	22900
10	---	---	---	---	---	---	35600	23500	29600	31900	14500	23300
11	---	---	---	---	---	---	35200	23000	29100	31600	14900	23400
12	---	---	---	---	---	---	34400	20100	27500	30900	14800	23400
13	---	---	---	---	---	---	32400	16500	25200	30800	15200	23500
14	---	---	---	---	---	---	30000	14700	22300	30500	14700	23800
15	---	---	---	---	---	---	30900	16300	24700	31600	15000	24100
16	---	---	---	---	---	---	31500	17100	25700	32100	15500	24500
17	---	---	---	---	---	---	30800	16400	24800	32700	16400	24600
18	---	---	---	29500	12200	22800	30600	15300	23900	32800	15900	24600
19	---	---	---	29200	11500	21900	30700	15400	23600	33000	16600	24900
20	---	---	---	31100	14000	23900	30800	15300	23500	30600	16700	24100
21	---	---	---	29100	11600	21700	31200	17300	24500	30900	17400	24200
22	---	---	---	30300	12400	22100	30600	17800	24500	30900	18900	25000
23	---	---	---	30200	14800	22800	30300	18700	24500	31100	19700	25500
24	---	---	---	30000	14800	22100	30200	19400	24900	31000	20200	25400
25	---	---	---	29300	14400	21700	30500	21200	25800	30800	20400	25600
26	---	---	---	28300	15400	21500	---	---	---	31000	21500	26600
27	---	---	---	28600	16700	22400	---	---	---	31500	21700	27200
28	---	---	---	28500	17000	22300	---	---	---	32500	22400	27900
29	---	---	---	30700	19300	24900	30200	20800	25500	33100	22000	28600
30	---	---	---	32100	21800	26400	30200	19800	25400	36200	23800	30900
31	---	---	---	31600	20600	26600	---	---	---	35900	22600	30200
MONTH	---	---	---	---	---	---	---	---	---	36200	10300	24400

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	36100	22600	30100	34900	18800	27400	38000	23700	31700	---	---	---
2	38300	23800	31400	36200	18000	26400	38300	24700	32000	25700	9030	18200
3	38200	23800	31400	36400	19700	28300	38000	25300	32500	25800	10800	19000
4	38100	24400	31700	36300	20200	28400	37700	25500	32200	25400	11000	18600
5	38700	24800	31700	35700	21400	28900	37400	25700	32200	25700	12500	19200
6	38700	25700	32200	35900	21800	29300	36800	25800	32200	25200	12100	18700
7	38600	27000	32800	36900	22400	30300	38200	27600	33200	21000	9130	15000
8	38300	26000	32600	36100	22300	30500	37000	27600	32700	18200	6380	12400
9	37800	25000	32000	35700	22800	30300	36800	27100	32400	20700	5340	11000
10	37200	25100	32100	35600	22300	30000	36500	27600	32400	21600	5100	12700
11	36700	24300	31500	34800	23200	30000	36600	27800	32500	23900	6860	15400
12	37600	25000	32400	34900	22600	29300	36400	27600	32300	25200	6610	16400
13	38400	27900	33900	34200	22100	28500	34200	24300	29700	25400	6270	16300
14	37800	25100	32200	34900	22200	28800	33400	22900	29500	24900	5670	16100
15	35500	22700	28400	34800	22600	29000	32200	19900	27200	24000	3960	14300
16	31000	19200	24500	36600	23500	29900	31900	18900	25600	24000	3910	14200
17	31000	17800	24000	36500	23800	30200	32000	19500	26000	24600	3710	13500
18	30800	17500	24200	35800	23500	29900	31900	19100	25900	22100	2930	12100
19	32500	19200	25500	36600	24100	30800	31300	18600	25400	23800	3970	14500
20	33200	21300	27200	36600	25000	30700	31100	18800	25400	27500	7620	18100
21	33700	23000	28000	36300	25300	31200	31000	18700	25100	28900	9420	19300
22	33700	21600	27000	36400	25500	31500	31300	18800	25400	27100	9420	18300
23	31500	21600	26300	36500	25500	31400	31800	20300	26400	26800	8840	17900
24	31400	21500	26800	36100	24500	30800	32400	20000	26700	28800	10200	20200
25	31900	21800	27500	35800	23700	30400	32900	20100	26800	29400	11800	21600
26	32200	22500	27700	36600	23300	30500	32700	19400	26700	30000	12700	22000
27	34300	23200	29200	37300	23300	31100	33900	19400	27000	29200	12300	22200
28	34100	22000	28800	37300	22800	31000	33900	19500	27300	25200	7470	17600
29	35900	21700	29400	36800	22000	30200	29600	13000	22400	26000	7330	17500
30	36600	22300	29900	37700	22700	30700	---	---	---	27700	8740	19300
31	---	---	---	38200	23700	31700	---	---	---	---	---	---
MONTH	38700	17500	29400	38200	18000	29900	---	---	---	---	---	---

CHARLESTON HARBOR

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Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	30900	22500	27000	31500	17200	25700
2	---	---	---	---	---	---	31600	22300	27200	29800	16000	23600
3	---	---	---	---	---	---	32700	22200	28000	29000	11400	21000
4	---	---	---	---	---	---	33100	20900	27800	30900	11400	21400
5	---	---	---	---	---	---	33600	21400	28400	31400	12000	22200
6	---	---	---	---	---	---	34300	21600	28400	31800	11800	21900
7	---	---	---	---	---	---	34100	20900	28100	32000	13100	22600
8	---	---	---	---	---	---	34300	21700	28200	32000	14200	23300
9	---	---	---	---	---	---	34300	22700	28400	31900	16000	24100
10	---	---	---	---	---	---	34500	23600	29100	31700	16700	24500
11	---	---	---	---	---	---	34300	23000	28700	31700	17500	24600
12	---	---	---	---	---	---	33800	21200	27200	31300	17900	24800
13	---	---	---	---	---	---	32100	16900	25100	30900	17500	24600
14	---	---	---	---	---	---	29300	15000	22600	30900	17300	24900
15	---	---	---	---	---	---	30600	17000	24800	31600	17900	25200
16	---	---	---	---	---	---	31100	18500	25700	32000	18200	25600
17	---	---	---	---	---	---	30700	17100	24900	32400	18600	25600
18	---	---	---	29800	13800	23300	30600	17000	24300	32500	17800	25700
19	---	---	---	29000	12600	22300	30900	16700	24100	32600	19500	26000
20	---	---	---	30900	16000	24200	31200	17300	24200	30700	19900	25500
21	---	---	---	29100	12400	22000	31500	18700	25200	31100	19200	25300
22	---	---	---	30000	12500	22700	31400	19600	25500	31200	20800	26200
23	---	---	---	30300	15800	23300	30500	20500	25800	31400	22100	26700
24	---	---	---	29600	16200	22600	30600	22100	26300	31400	22300	27000
25	---	---	---	29600	17300	22400	30900	23800	26900	31000	23300	27500
26	---	---	---	29300	17800	22400	---	---	---	31400	24000	28100
27	---	---	---	29000	20000	24500	---	---	---	32300	25000	28500
28	---	---	---	29000	21700	26500	---	---	---	32800	25300	29100
29	---	---	---	31400	23000	28200	32200	24000	27700	34300	25500	29900
30	---	---	---	32400	23200	27400	32300	23500	27600	36000	26000	31500
31	---	---	---	32800	22400	27300	---	---	---	35800	24300	31000
MONTH	---	---	---	---	---	---	---	---	---	36000	11400	25600

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	37000	23200	30800	36800	20900	29600	38500	24200	32000	25400	8990	17800
2	38200	24500	31800	37000	20400	29000	38900	25800	32600	26300	10200	19300
3	38300	24200	31800	37800	20600	29400	38600	26500	33100	26800	12200	20000
4	37800	24900	31800	37500	21900	30000	37800	26000	32600	26400	12900	19900
5	38500	25200	32000	37400	22900	30500	37400	26900	32700	27000	14500	20800
6	38500	27100	32900	37500	23900	31100	37400	26700	32800	26500	14700	20200
7	38600	27800	33300	36900	24900	31500	38400	28800	33900	21900	11300	16400
8	38300	27200	33100	35900	23600	30700	37200	28900	33400	19600	9330	14500
9	38000	26400	32600	36200	25600	31200	37100	29600	33200	24100	11500	18000
10	37400	26400	32700	35700	24500	30900	36600	30200	33300	25100	11900	18400
11	36700	25500	32000	35200	25900	30800	36600	29600	33200	25400	11800	18300
12	37300	25700	32600	34800	25800	30200	37100	29700	33300	26600	10200	18400
13	37600	28900	33900	34900	26400	30200	34600	25100	30600	26100	8300	18200
14	37200	27000	32300	34900	26300	30200	33800	22300	29800	26400	7800	17900
15	35200	23300	29300	35600	26000	30500	32300	22500	28300	26200	5420	16300
16	30900	19800	25100	35800	25400	31000	32000	19900	26200	26500	4990	16000
17	30400	18300	24200	35900	27400	31300	32200	19800	26500	26400	5700	15600
18	30200	19200	24900	35700	26500	31000	32000	20100	26500	24400	3890	13900
19	31600	20400	26000	36600	26500	31800	31800	19700	26100	27200	6460	17300
20	33400	22400	27700	36800	26700	31500	31500	19800	26100	28700	11000	20400
21	33700	24500	28600	36700	26400	31600	31100	19200	25900	29200	11400	20700
22	33800	24000	28300	36700	27300	32300	31700	19900	26300	28000	11700	19600
23	31900	23300	27600	36800	27100	32200	31800	21500	27100	27600	12100	19500
24	31800	22900	27700	36300	26400	31400	32000	21200	27200	28900	12500	21300
25	31100	23800	27800	36600	24800	31200	32200	22100	27600	29800	13400	22400
26	31600	23400	27400	36900	25900	31700	32200	21300	27300	30200	14100	22800
27	32400	22600	28100	37500	25200	32100	33000	20900	27500	28200	13100	21800
28	35000	23800	30000	37600	24600	31900	34000	21000	28000	25400	8230	18100
29	36600	23300	30500	37400	23200	31200	29700	13200	22900	26400	7670	18100
30	37400	23900	31100	38000	23000	31300	26300	9160	18100	27900	9410	19600
31	---	---	---	38500	24100	32200	26200	8860	17800	---	---	---
MONTH	38600	18300	29900	38500	20400	31000	38900	8860	28800	30200	3890	18700

021720869 ASHLEY RIVER NEAR NORTH CHARLESTON, SC--Continued

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	Temperature, water, degrees Celsius								
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
			FEBRUARY	MARCH			APRIL			MAY		
1	---	---	---	---	---	---	17.9	16.5	17.4	23.7	23.1	23.3
2	---	---	---	---	---	---	17.4	16.0	17.0	23.6	23.0	23.3
3	---	---	---	---	---	---	17.7	16.1	16.9	23.8	22.9	23.3
4	---	---	---	---	---	---	17.8	16.4	17.1	23.2	21.9	22.5
5	---	---	---	---	---	---	17.5	16.2	16.9	23.0	21.7	22.3
6	---	---	---	---	---	---	17.6	16.4	17.0	23.6	22.0	22.7
7	---	---	---	---	---	---	17.9	16.8	17.3	24.8	22.7	23.4
8	---	---	---	---	---	---	18.3	17.5	17.8	25.7	23.5	24.3
9	---	---	---	---	---	---	19.3	17.8	18.3	26.0	24.2	24.7
10	---	---	---	---	---	---	19.8	18.2	18.9	25.6	24.4	24.9
11	---	---	---	---	---	---	20.6	19.1	19.8	25.7	24.6	25.0
12	---	---	---	---	---	---	20.8	19.9	20.4	25.8	24.9	25.2
13	---	---	---	---	---	---	21.1	20.1	20.6	26.0	25.1	25.6
14	---	---	---	---	---	---	20.3	19.0	19.4	26.4	25.4	26.0
15	---	---	---	---	---	---	19.1	18.2	18.8	26.8	25.8	26.3
16	---	---	---	---	---	---	19.6	18.6	19.1	27.0	26.1	26.5
17	---	---	---	---	---	---	20.3	18.9	19.6	27.3	26.2	26.7
18	---	---	---	16.6	15.7	16.2	21.2	19.5	20.3	27.5	26.5	26.8
19	---	---	---	17.5	16.0	16.7	21.9	20.2	21.1	27.5	26.5	27.0
20	---	---	---	17.4	16.4	17.0	22.3	20.8	21.5	27.9	26.6	27.3
21	---	---	---	17.9	16.9	17.3	22.6	21.2	22.0	28.4	27.1	27.7
22	---	---	---	17.3	15.8	16.5	23.2	21.8	22.5	28.8	27.4	27.9
23	---	---	---	16.1	15.0	15.7	23.8	22.5	23.1	28.6	27.5	27.9
24	---	---	---	16.0	14.8	15.5	24.8	23.1	23.7	29.8	27.4	28.1
25	---	---	---	16.9	15.4	16.0	24.8	23.7	24.1	29.4	27.6	28.3
26	---	---	---	17.5	16.0	16.8	---	---	---	29.0	27.8	28.3
27	---	---	---	19.9	16.6	17.6	---	---	---	29.2	27.8	28.2
28	---	---	---	19.7	17.3	18.2	---	---	---	28.9	27.8	28.2
29	---	---	---	20.0	17.5	18.2	23.6	22.3	23.1	28.7	27.8	28.3
30	---	---	---	18.2	17.2	17.9	23.8	22.8	23.4	28.9	28.0	28.5
31	---	---	---	18.2	17.4	17.8	---	---	---	29.1	28.1	28.6
MONTH	---	---	---	---	---	---	---	---	---	29.8	21.7	26.0

DAY	MAX	MIN	MEAN	Temperature, water, degrees Celsius								
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
			JUNE	JULY			AUGUST			SEPTEMBER		
1	29.0	27.8	28.3	29.5	28.9	29.2	30.1	29.5	29.8	---	---	---
2	28.8	27.6	28.2	29.4	28.8	29.1	30.1	29.1	29.6	27.8	27.1	27.4
3	29.2	27.8	28.4	29.6	28.5	29.1	30.1	29.2	29.6	28.0	26.7	27.2
4	28.6	27.4	28.1	30.0	28.9	29.5	31.4	29.4	30.0	28.3	26.7	27.2
5	28.3	27.1	27.7	30.5	29.3	29.9	31.7	29.8	30.4	27.7	26.9	27.2
6	28.6	27.6	28.0	31.0	29.8	30.4	30.8	29.3	30.0	27.0	26.1	26.5
7	28.9	27.8	28.4	31.8	30.3	30.9	29.4	28.3	28.8	26.5	26.1	26.3
8	29.3	28.2	28.6	31.6	30.5	31.0	28.6	27.8	28.3	27.0	26.2	26.6
9	29.3	28.0	28.7	31.6	30.6	31.0	28.6	27.6	28.1	28.2	26.1	27.0
10	29.5	28.2	28.9	31.4	30.4	31.0	28.6	27.5	28.1	27.7	27.0	27.2
11	29.8	28.6	29.2	31.7	30.6	31.2	28.3	27.8	28.1	27.2	26.7	27.1
12	30.1	29.0	29.6	31.3	30.6	31.0	28.5	27.7	28.1	27.0	26.1	26.7
13	29.7	28.7	29.1	31.4	30.4	31.0	28.0	27.0	27.6	26.8	26.0	26.3
14	28.8	28.1	28.4	31.7	30.6	31.3	27.6	26.7	27.3	26.0	25.7	25.8
15	28.4	27.3	27.9	31.8	30.5	31.2	27.8	27.0	27.3	25.7	25.4	25.5
16	28.0	27.6	27.8	31.5	30.1	30.9	27.8	26.8	27.2	26.3	25.3	25.8
17	28.3	27.6	27.9	31.5	30.4	30.8	27.9	27.1	27.4	26.6	25.8	26.2
18	29.7	27.8	28.5	30.8	29.7	30.4	28.1	27.1	27.6	27.0	25.6	26.1
19	30.2	28.5	29.2	30.3	29.5	29.9	28.8	27.6	28.1	26.3	25.0	25.5
20	30.2	29.1	29.5	30.9	29.3	29.9	29.6	28.1	28.7	25.5	23.7	24.3
21	29.5	28.9	29.1	31.2	29.4	29.9	29.5	28.5	28.9	24.3	23.2	23.6
22	29.8	28.6	29.1	31.1	29.5	30.1	30.4	28.5	28.8	24.3	23.2	23.7
23	29.8	28.7	29.2	31.1	29.8	30.2	28.9	28.4	28.6	24.6	23.3	24.0
24	29.9	28.5	29.1	30.9	30.0	30.3	29.5	28.1	28.6	24.4	23.7	24.2
25	30.2	28.8	29.3	31.6	29.8	30.2	29.0	28.2	28.7	24.5	23.8	24.1
26	29.8	28.8	29.3	30.6	29.6	30.2	28.7	28.2	28.5	24.3	23.9	24.1
27	29.7	28.8	29.4	30.9	29.8	30.4	28.4	27.8	28.1	25.0	24.0	24.4
28	29.7	28.7	29.3	31.0	30.1	30.6	28.4	27.6	27.9	25.4	24.6	24.9
29	29.8	28.6	29.4	30.7	29.9	30.4	27.8	25.8	26.7	25.7	24.9	25.3
30	30.1	29.2	29.6	30.8	29.8	30.2	---	---	---	26.0	25.3	25.5
31	---	---	---	30.6	29.7	30.1	---	---	---	---	---	---
MONTH	30.2	27.1	28.8	31.8	28.5	30.4	---	---	---	---	---	---

CHARLESTON HARBOR

021720869 ASHLEY RIVER NEAR NORTH CHARLESTON, SC--Continued

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	Temperature, water, degrees Celsius								
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
			FEBRUARY	MARCH			APRIL			MAY		
1	---	---	---	---	---	---	17.9	16.8	17.3	23.6	23.0	23.2
2	---	---	---	---	---	---	17.4	16.3	16.8	23.5	22.8	23.2
3	---	---	---	---	---	---	17.2	16.1	16.7	23.7	23.0	23.2
4	---	---	---	---	---	---	17.6	16.3	17.0	23.0	22.0	22.5
5	---	---	---	---	---	---	17.4	16.1	16.8	23.0	21.6	22.3
6	---	---	---	---	---	---	17.5	16.3	16.9	23.5	22.0	22.6
7	---	---	---	---	---	---	17.8	16.7	17.2	24.4	22.7	23.4
8	---	---	---	---	---	---	18.1	17.4	17.7	25.0	23.5	24.2
9	---	---	---	---	---	---	18.8	17.7	18.2	25.3	24.2	24.7
10	---	---	---	---	---	---	19.7	18.1	18.8	25.4	24.3	24.9
11	---	---	---	---	---	---	20.4	19.0	19.7	25.4	24.5	25.0
12	---	---	---	---	---	---	20.7	19.8	20.3	25.7	24.8	25.3
13	---	---	---	---	---	---	20.8	20.1	20.5	26.0	25.1	25.6
14	---	---	---	---	---	---	20.2	18.9	19.4	26.5	25.5	26.0
15	---	---	---	---	---	---	19.0	18.2	18.7	26.8	25.9	26.3
16	---	---	---	---	---	---	19.6	18.5	19.0	27.0	26.1	26.5
17	---	---	---	---	---	---	20.2	18.8	19.5	27.3	26.1	26.7
18	---	---	---	16.5	15.6	16.1	21.1	19.4	20.2	27.4	26.4	26.8
19	---	---	---	17.3	15.9	16.6	21.8	20.1	20.9	27.6	26.4	27.0
20	---	---	---	17.3	16.3	16.9	22.2	20.7	21.4	27.8	26.5	27.1
21	---	---	---	17.8	16.7	17.2	22.6	21.1	21.8	28.0	26.9	27.4
22	---	---	---	17.3	15.9	16.5	23.0	21.7	22.3	28.1	27.2	27.7
23	---	---	---	16.0	15.0	15.6	23.4	22.4	22.9	28.0	27.4	27.7
24	---	---	---	15.9	14.8	15.4	24.0	23.0	23.4	28.1	27.3	27.7
25	---	---	---	16.5	15.3	15.8	24.6	23.6	23.9	28.4	27.5	27.9
26	---	---	---	17.4	16.0	16.6	---	---	---	28.4	27.7	28.0
27	---	---	---	17.7	16.8	17.2	---	---	---	28.4	27.7	28.1
28	---	---	---	18.5	17.4	17.7	---	---	---	28.5	27.7	28.1
29	---	---	---	18.1	17.4	17.6	23.4	22.5	23.0	28.5	27.8	28.1
30	---	---	---	18.0	17.4	17.7	23.7	22.8	23.2	28.7	28.0	28.4
31	---	---	---	18.0	17.4	17.7	---	---	---	28.9	28.1	28.4
MONTH	---	---	---	---	---	---	---	---	---	28.9	21.6	25.9

DAY	MAX	MIN	MEAN	Temperature, water, degrees Celsius								
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
			JUNE	JULY			AUGUST			SEPTEMBER		
1	28.8	27.8	28.1	29.6	28.9	29.2	30.1	29.7	29.9	27.6	27.0	27.3
2	28.6	27.5	28.1	29.4	28.8	29.1	30.1	29.2	29.6	27.6	27.1	27.4
3	29.0	27.7	28.2	29.7	28.5	29.1	30.1	29.2	29.6	27.6	26.7	27.1
4	28.4	27.3	27.9	30.1	28.9	29.4	30.6	29.4	29.9	27.7	26.7	27.2
5	28.1	27.0	27.5	30.5	29.4	29.8	30.9	29.8	30.4	27.7	26.9	27.2
6	28.3	27.5	27.9	31.0	29.8	30.3	30.9	29.6	30.1	27.2	26.1	26.6
7	28.8	27.6	28.2	31.5	30.3	30.9	29.9	28.3	28.9	26.4	26.0	26.2
8	28.9	28.0	28.4	31.4	30.4	31.0	28.7	27.8	28.3	26.9	26.2	26.5
9	29.0	27.8	28.5	31.3	30.5	31.0	28.7	27.7	28.2	27.4	26.8	26.9
10	29.2	28.0	28.7	31.4	30.6	31.0	28.6	27.7	28.2	27.3	27.1	27.2
11	29.6	28.4	29.1	31.6	30.8	31.2	28.3	27.9	28.2	27.3	26.8	27.1
12	29.9	29.0	29.5	31.4	30.8	31.0	28.5	28.0	28.2	26.9	26.4	26.7
13	29.5	28.4	28.9	31.3	30.5	30.9	28.0	27.4	27.7	26.7	26.0	26.3
14	28.5	28.0	28.2	31.6	30.8	31.2	27.6	26.9	27.3	26.0	25.6	25.8
15	28.1	27.5	27.8	31.6	30.7	31.1	27.6	27.0	27.3	25.7	25.4	25.5
16	27.8	27.4	27.6	31.2	30.2	30.7	27.7	26.9	27.2	26.2	25.3	25.7
17	28.1	27.4	27.7	31.1	30.3	30.7	27.6	27.1	27.4	26.6	25.8	26.2
18	28.8	27.6	28.1	30.7	29.9	30.3	28.1	27.1	27.5	26.6	25.7	26.1
19	29.4	28.3	28.8	30.3	29.4	29.9	28.6	27.6	28.1	26.4	25.1	25.5
20	29.6	28.8	29.3	30.2	29.5	29.8	29.2	28.2	28.6	25.5	23.8	24.4
21	29.3	28.7	29.0	30.3	29.5	29.9	29.2	28.6	28.9	24.1	23.0	23.6
22	29.4	28.6	29.0	30.6	29.6	30.1	29.2	28.6	28.8	24.1	23.0	23.6
23	29.6	28.8	29.2	30.7	29.8	30.3	28.9	28.4	28.7	24.4	23.3	23.9
24	29.4	28.8	29.1	30.8	30.0	30.4	29.0	28.1	28.6	24.3	23.7	24.1
25	30.0	28.9	29.3	30.6	29.9	30.3	29.1	28.3	28.7	24.4	23.8	24.0
26	29.7	29.0	29.3	30.7	29.8	30.3	28.8	28.2	28.5	24.2	23.8	24.0
27	29.8	29.0	29.4	31.0	30.0	30.5	28.4	27.9	28.1	24.9	24.0	24.4
28	29.7	29.0	29.3	31.1	30.4	30.7	28.4	27.7	27.9	25.3	24.5	24.9
29	29.8	29.1	29.5	30.8	30.2	30.5	27.8	26.0	26.7	25.6	24.8	25.2
30	30.2	29.2	29.6	30.8	30.0	30.3	26.8	25.7	26.2	25.6	25.2	25.4
31	---	---	---	30.7	29.9	30.2	27.6	26.5	27.0	---	---	---
MONTH	30.2	27.0	28.6	31.6	28.5	30.4	30.9	25.7	28.3	27.7	23.0	25.7

CHARLESTON HARBOR

021720869 ASHLEY RIVER NEAR NORTH CHARLESTON, SC--Continued

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	8.3	7.4	7.8	---	---	---
2	---	---	---	---	---	---	8.2	7.4	7.9	---	---	---
3	---	---	---	---	---	---	8.3	7.6	7.9	---	---	---
4	---	---	---	---	---	---	8.2	7.5	7.8	---	---	---
5	---	---	---	---	---	---	7.8	7.1	7.5	6.0	4.6	5.3
6	---	---	---	---	---	---	7.7	6.9	7.4	6.5	4.8	5.3
7	---	---	---	---	---	---	7.4	6.6	7.1	5.9	4.3	5.0
8	---	---	---	---	---	---	7.1	6.2	6.8	6.1	4.3	5.0
9	---	---	---	---	---	---	6.9	6.0	6.5	6.3	4.2	5.0
10	---	---	---	---	---	---	6.5	5.7	6.1	5.9	4.0	4.9
11	---	---	---	---	---	---	6.1	5.5	5.8	5.6	3.8	4.6
12	---	---	---	---	---	---	5.9	5.4	5.6	5.8	3.5	4.8
13	---	---	---	---	---	---	5.7	4.9	5.4	6.0	4.4	5.1
14	---	---	---	---	---	---	5.8	5.2	5.5	6.1	3.9	5.1
15	---	---	---	---	---	---	5.7	5.3	5.5	6.0	3.7	5.1
16	---	---	---	---	---	---	5.5	4.9	5.3	6.1	3.9	5.3
17	---	---	---	---	---	---	5.2	4.6	5.0	5.9	3.5	5.2
18	---	---	---	8.7	7.8	8.3	5.0	4.0	4.7	5.8	3.7	5.2
19	---	---	---	8.8	8.0	8.4	4.8	3.8	4.5	5.8	4.1	5.2
20	---	---	---	8.7	7.9	8.3	4.8	3.7	4.3	6.3	3.4	5.3
21	---	---	---	8.8	7.8	8.3	4.8	3.1	4.2	6.9	3.9	5.4
22	---	---	---	9.2	8.2	8.6	4.6	3.3	4.0	7.0	3.8	5.7
23	---	---	---	9.1	8.3	8.7	4.2	3.1	3.8	6.9	4.1	5.7
24	---	---	---	9.3	8.4	8.9	4.3	3.2	3.8	9.6	3.8	5.9
25	---	---	---	9.7	8.4	9.0	4.4	3.3	3.9	8.6	3.8	6.1
26	---	---	---	9.8	8.6	9.1	---	---	---	8.6	4.3	6.3
27	---	---	---	9.9	8.4	8.9	---	---	---	9.2	4.5	6.4
28	---	---	---	9.8	8.2	8.8	---	---	---	8.0	4.3	6.4
29	---	---	---	9.5	7.9	8.5	---	---	---	7.2	3.7	5.9
30	---	---	---	8.3	7.7	8.0	---	---	---	6.6	4.3	6.0
31	---	---	---	8.1	7.4	7.7	---	---	---	6.2	3.6	5.4
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	6.1	3.8	5.3	5.1	3.6	4.4	4.3	2.2	3.4	---	---	---
2	5.6	4.0	4.8	5.9	3.3	4.1	4.5	2.9	3.5	4.2	3.2	3.5
3	5.0	3.6	4.4	7.2	3.2	4.4	4.1	2.5	3.1	5.1	3.4	3.8
4	4.6	3.2	4.2	8.1	3.6	4.7	6.2	2.1	2.9	5.3	3.7	4.2
5	5.2	3.1	4.0	7.1	3.7	4.6	5.5	2.2	2.9	5.5	4.0	4.6
6	5.0	2.7	4.1	5.9	3.3	4.6	5.9	2.1	3.5	5.7	4.7	5.2
7	5.1	2.5	3.8	7.4	3.7	4.5	6.5	2.6	4.2	5.9	5.0	5.4
8	5.4	2.6	4.1	5.1	3.1	3.9	6.4	2.7	4.5	6.1	5.1	5.7
9	5.3	3.5	4.3	5.7	3.1	3.9	6.8	2.7	4.7	6.1	3.9	5.4
10	5.5	3.6	4.3	5.5	3.2	4.1	7.2	3.1	4.9	5.4	3.6	4.8
11	5.8	3.8	4.5	5.2	3.2	4.2	6.8	3.0	4.7	5.0	3.8	4.5
12	5.9	3.7	5.0	5.4	3.2	4.0	5.2	3.0	4.5	4.9	4.1	4.5
13	5.3	3.8	5.0	5.2	3.4	4.2	4.4	2.8	3.8	4.9	3.7	4.3
14	5.4	4.1	4.9	6.0	3.5	4.6	4.8	2.9	3.9	5.1	3.8	4.2
15	5.8	4.0	5.0	5.9	3.4	4.9	4.4	2.7	3.5	4.8	3.6	4.0
16	5.7	3.4	4.4	6.2	3.0	5.0	3.9	2.3	3.3	4.5	3.7	4.0
17	5.5	3.3	4.3	5.8	3.2	4.8	5.8	2.2	3.2	5.4	4.3	4.8
18	6.2	3.6	4.6	5.3	3.6	4.4	4.4	2.3	3.2	6.2	4.4	4.9
19	7.4	3.7	5.5	5.8	3.0	4.4	5.6	2.2	3.2	6.9	4.3	5.1
20	8.5	4.6	6.1	8.5	3.1	4.6	4.9	2.2	3.3	6.3	4.8	5.6
21	8.7	4.4	6.2	5.9	3.2	4.5	5.4	2.3	3.7	6.5	5.1	5.6
22	7.5	4.1	5.8	7.8	3.1	4.4	5.2	2.3	3.9	6.3	4.8	5.4
23	8.5	4.3	6.2	6.2	2.9	4.4	4.7	3.2	3.8	6.5	4.6	5.1
24	9.1	4.2	6.5	5.4	2.8	4.0	5.0	3.3	3.9	5.5	4.5	5.0
25	8.2	5.3	6.5	5.9	3.0	4.0	5.0	3.0	4.0	5.6	4.6	5.1
26	7.3	4.3	6.2	5.3	2.8	3.8	4.7	2.7	4.0	5.5	4.8	5.2
27	6.1	4.6	5.5	5.9	3.1	4.0	4.5	2.8	3.8	5.6	4.9	5.3
28	6.7	4.1	5.5	5.5	2.4	4.0	4.4	3.1	3.9	5.8	5.1	5.5
29	6.2	3.2	5.1	5.0	2.8	3.9	6.3	4.2	5.7	6.8	4.6	5.1
30	5.4	3.9	4.6	4.8	2.9	3.8	---	---	---	5.5	3.7	4.6
31	---	---	---	4.8	2.4	3.6	---	---	---	---	---	---
MONTH	9.1	2.5	5.0	8.5	2.4	4.3	---	---	---	---	---	---

CHARLESTON HARBOR

021720869 ASHLEY RIVER NEAR NORTH CHARLESTON, SC--Continued

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	7.4	6.8	7.0	---	---	---
2	---	---	---	---	---	---	7.3	6.8	7.1	---	---	---
3	---	---	---	---	---	---	7.2	6.7	7.0	---	---	---
4	---	---	---	---	---	---	7.2	6.6	6.9	---	---	---
5	---	---	---	---	---	---	7.1	6.5	6.8	5.7	5.0	5.3
6	---	---	---	---	---	---	7.0	6.3	6.7	5.5	4.9	5.2
7	---	---	---	---	---	---	6.8	6.1	6.5	5.3	4.8	5.1
8	---	---	---	---	---	---	6.3	5.8	6.1	5.3	4.5	4.9
9	---	---	---	---	---	---	6.1	5.4	5.8	5.4	4.5	5.0
10	---	---	---	---	---	---	5.9	5.3	5.6	5.5	4.6	5.0
11	---	---	---	---	---	---	5.6	5.2	5.4	5.4	4.5	5.0
12	---	---	---	---	---	---	5.3	4.9	5.1	5.4	4.3	4.9
13	---	---	---	---	---	---	5.1	4.6	4.9	5.5	4.5	5.0
14	---	---	---	---	---	---	5.4	4.9	5.2	5.6	4.4	5.1
15	---	---	---	---	---	---	5.3	4.7	5.1	5.8	4.6	5.2
16	---	---	---	---	---	---	5.1	4.6	4.9	5.9	4.5	5.2
17	---	---	---	---	---	---	4.9	4.5	4.7	5.9	4.0	5.1
18	---	---	---	8.5	7.8	8.2	4.8	4.2	4.6	5.8	3.1	5.1
19	---	---	---	8.6	7.8	8.2	4.7	4.3	4.5	5.9	4.0	5.1
20	---	---	---	8.3	7.6	8.0	4.4	4.0	4.2	6.1	3.6	5.1
21	---	---	---	8.4	7.4	8.0	4.2	3.5	4.0	6.5	4.3	5.3
22	---	---	---	8.6	7.6	8.1	4.0	3.4	3.7	6.5	3.7	5.4
23	---	---	---	8.7	7.8	8.2	4.2	3.1	3.7	6.3	3.2	5.4
24	---	---	---	8.9	7.8	8.3	4.2	3.5	3.9	6.7	3.2	5.5
25	---	---	---	8.9	7.8	8.4	4.1	3.4	3.8	6.8	3.0	5.6
26	---	---	---	8.9	7.7	8.3	---	---	---	6.8	4.3	5.7
27	---	---	---	8.3	7.5	8.0	---	---	---	6.8	4.0	6.0
28	---	---	---	8.1	7.2	7.6	---	---	---	6.8	3.5	5.7
29	---	---	---	7.8	6.7	7.3	---	---	---	6.9	3.4	5.7
30	---	---	---	7.5	7.0	7.3	---	---	---	6.6	3.1	5.4
31	---	---	---	7.3	6.7	7.0	---	---	---	6.3	2.9	5.0
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.2	2.9	5.0	---	---	---	4.5	2.3	3.6	4.6	3.7	4.1
2	5.5	2.7	4.6	---	---	---	4.1	2.9	3.6	4.2	3.5	3.8
3	5.3	2.6	4.3	---	---	---	4.0	1.0	2.9	4.7	3.9	4.2
4	4.8	2.4	4.0	---	---	---	4.2	2.0	3.4	5.1	4.0	4.5
5	4.8	2.6	4.0	---	---	---	4.2	2.1	3.5	5.5	4.2	4.8
6	4.6	2.2	3.9	---	---	---	4.9	2.5	4.0	5.8	4.6	5.3
7	4.8	2.3	3.9	5.4	2.4	4.2	5.8	3.5	4.7	5.9	5.0	5.4
8	5.0	2.4	4.0	4.8	2.9	4.2	6.0	3.5	4.9	5.9	5.3	5.6
9	4.8	3.5	4.3	4.8	2.5	4.1	6.6	3.8	5.3	5.8	4.9	5.3
10	4.9	2.7	4.2	4.7	2.6	4.1	7.2	3.7	5.4	5.2	4.3	4.8
11	5.8	3.1	4.6	5.6	2.2	4.0	6.8	3.8	5.4	4.9	4.2	4.6
12	6.6	3.8	5.3	4.7	2.4	3.8	5.9	4.0	4.9	5.2	4.0	4.6
13	6.3	3.9	5.5	5.0	2.6	3.9	4.8	3.1	4.2	4.9	4.0	4.5
14	6.5	4.0	5.4	5.2	2.6	4.2	4.9	2.6	4.1	4.8	3.9	4.3
15	6.1	3.9	5.4	5.3	2.4	4.3	4.4	3.0	3.8	4.5	3.3	4.1
16	5.7	4.3	5.1	5.6	2.0	4.2	4.3	2.3	3.5	4.4	3.6	4.1
17	6.2	3.8	4.8	5.5	1.8	3.9	4.2	2.2	3.3	5.2	4.0	4.7
18	6.3	3.5	4.9	4.9	2.1	3.8	4.0	2.8	3.5	5.2	3.7	4.8
19	---	---	---	5.3	2.4	4.1	4.0	2.3	3.4	5.8	4.0	4.9
20	---	---	---	5.5	2.9	4.3	4.1	2.1	3.4	6.3	4.8	5.5
21	---	---	---	5.3	3.3	4.3	4.3	2.8	3.7	6.2	5.2	5.7
22	6.6	4.0	5.4	5.3	2.8	4.4	---	---	---	6.1	5.0	5.5
23	7.4	3.9	5.9	5.1	2.7	4.2	---	---	---	6.0	4.3	5.2
24	7.9	4.8	6.5	4.7	2.1	3.9	---	---	---	5.8	4.4	5.1
25	7.8	4.4	6.6	4.6	2.7	3.8	4.9	2.9	4.0	5.7	4.6	5.1
26	7.8	4.0	6.5	5.2	2.7	4.0	4.6	3.2	3.9	5.5	4.7	5.2
27	6.8	3.7	6.1	6.0	3.0	4.2	4.3	3.1	3.8	5.6	5.0	5.3
28	---	---	---	5.5	2.4	4.1	4.6	3.1	4.0	5.8	4.7	5.4
29	---	---	---	5.4	2.8	4.1	6.6	4.1	5.7	5.3	4.4	5.1
30	---	---	---	5.3	2.9	4.2	6.0	4.9	5.4	4.9	4.3	4.7
31	---	---	---	5.0	2.5	3.8	5.1	3.9	4.7	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	6.3	3.3	4.9