

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1964 to 1967, 2004 to December 2004 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1964 to September 1967, November 2003 to December 2004.

SALINITY: October 1964 to September 1967, November 2003 to December 2004.

pH: November 2003 to December 2004.

WATER TEMPERATURE: October 1963 to September 1967, November 2003 to December 2004.

DISSOLVED OXYGEN: November 2003 to December 2004.

DISSOLVED OXYGEN, PERCENT SATURATION: November 2003 to December 2004.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from November 2003 to December 2004.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources. Salinity and dissolved oxygen, percent saturation are computed. The salinity is computed from specific conductance using the conversion from U.S. Geological Survey Water Supply Paper 2311. The dissolved oxygen, percent saturation is computed using a barometric pressure of 760 mm of Hg.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	249, July 27, 2004	39, June 29, August 16, 1965, March 2, 3, 4, 1966
SALINITY, ppt	0.1, July 26, 27, 2004	0.02, June 29, August 16, 1965, March 2, 3, 4, 1966
pH, standard units	7.2, March 9, 10, 12, 13, 2004	5.5, August 19, 2004
WATER TEMPERATURE, °C	30.3, July 15, 16, 2004	1.1, December 22, 1963
DISSOLVED OXYGEN, mg/L	12.2, January 23, 29, 30, February 2, 3, 2004	2.9, August 23, 24, 2004
DISSOLVED OXYGEN, PERCENT SATURATION,%	96, January 23, 2004	35, August 23, 24, 2004

EXTREMES FOR CURRENT PERIOD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	249, July 27, 2004	71, August 19, 2004
SALINITY, ppt	0.1, July 26, 27, 2004	0.03, on many days during the period
pH, standard units	7.2, March 9, 10, 12, 13, 2004	5.5, August 19, 2004
WATER TEMPERATURE, °C	30.3, July 15, 16, 2004	3.0, January 29, 30, 2004
DISSOLVED OXYGEN, mg/L	12.2, January 23, 29, 30, February 2, 3, 2004	2.9, August 23, 24, 2004
DISSOLVED OXYGEN, PERCENT SATURATION,%	96, January 23, 2004	35, August 23, 24, 2004

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

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
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	138	135	137	---	---	---
2	---	---	---	---	---	---	140	137	139	---	---	---
3	---	---	---	---	---	---	140	140	140	---	---	---
4	---	---	---	86	80	83	140	138	139	---	---	---
5	---	---	---	93	86	90	141	127	136	---	---	---
6	---	---	---	101	93	97	135	127	134	121	120	121
7	---	---	---	112	101	106	130	123	127	123	121	122
8	---	---	---	112	105	109	125	123	123	124	122	123
9	---	---	---	109	105	107	123	115	122	124	121	123
10	---	---	---	112	109	110	123	115	121	125	123	125
11	---	---	---	113	111	112	115	103	108	126	120	125
12	---	---	---	114	112	113	106	92	98	124	123	124
13	---	---	---	---	---	---	92	91	91	125	123	124
14	---	---	---	119	114	116	91	85	88	124	122	123
15	---	---	---	124	119	121	85	83	84	125	124	125
16	---	---	---	129	124	125	84	81	83	125	124	125
17	---	---	---	132	129	131	81	80	81	128	125	127
18	---	---	---	137	129	135	83	80	81	127	126	126
19	---	---	---	138	133	137	86	82	84	129	127	128
20	---	---	---	---	---	---	90	86	88	130	127	129
21	---	---	---	125	120	122	95	90	93	130	128	128
22	---	---	---	123	114	119	99	95	97	---	---	---
23	---	---	---	120	117	118	102	99	101	---	---	---
24	---	---	---	120	113	119	103	101	102	132	130	131
25	---	---	---	---	---	---	104	102	103	---	---	---
26	---	---	---	123	117	122	107	104	105	---	---	---
27	---	---	---	---	---	---	109	106	108	130	126	128
28	---	---	---	128	121	127	109	107	108	128	125	126
29	---	---	---	131	128	129	110	108	109	127	121	124
30	---	---	---	135	131	134	111	109	110	122	121	121
31	---	---	---	---	---	---	113	110	111	122	120	121
MONTH	---	---	---	---	---	---	141	80	108	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	120	120	120	86	85	85	133	125	131	124	100	115
2	121	120	121	88	86	87	133	125	132	101	90	96
3	121	120	120	91	88	89	134	131	133	94	83	88
4	123	120	122	93	91	92	136	133	134	83	79	81
5	---	---	---	96	93	95	136	133	134	79	76	77
6	---	---	---	104	96	100	135	132	134	77	76	77
7	127	125	126	109	104	107	134	133	133	77	76	76
8	127	124	125	112	109	111	136	133	134	77	75	76
9	129	127	128	113	111	112	137	132	134	79	76	77
10	130	128	129	116	112	114	138	137	137	85	79	82
11	130	127	129	118	116	117	142	138	140	93	85	89
12	130	124	127	119	118	119	144	141	142	97	93	95
13	124	118	121	120	118	119	146	135	142	98	96	97
14	122	116	119	120	118	119	135	106	117	102	98	100
15	117	108	112	123	120	122	106	98	100	107	102	104
16	109	105	107	123	117	120	98	94	96	111	107	110
17	106	103	104	118	115	116	98	94	96	116	111	114
18	103	101	102	117	114	116	100	97	98	117	116	116
19	102	100	101	114	113	113	100	99	99	118	116	117
20	102	101	102	115	106	114	104	100	101	120	115	118
21	103	102	102	114	113	113	108	103	105	121	119	120
22	105	103	104	114	113	113	114	108	111	123	121	122
23	108	105	106	115	113	114	121	114	117	128	122	124
24	109	106	107	118	114	115	126	120	124	134	128	130
25	112	108	110	121	111	119	131	125	129	138	134	136
26	113	112	112	126	118	122	132	130	131	141	137	139
27	112	99	107	125	118	123	133	131	132	144	139	142
28	99	89	93	127	117	125	135	130	132	149	143	147
29	89	85	87	129	118	126	134	130	132	149	130	140
30	---	---	---	134	123	130	132	124	129	132	128	130
31	---	---	---	132	120	130	---	---	---	132	130	131
MONTH	---	---	---	134	85	113	146	94	124	149	75	109

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	138	130	133	128	114	121	164	161	163	103	90	98
2	156	138	149	116	109	112	162	153	160	90	78	85
3	156	152	153	110	104	108	156	150	152	83	78	80
4	154	151	153	104	100	102	182	150	163	89	83	86
5	151	144	148	100	97	98	178	141	150	93	89	91
6	154	143	146	102	100	101	141	135	137	93	93	93
7	158	153	155	106	100	103	138	130	135	95	93	94
8	158	115	136	109	105	107	131	116	122	100	95	97
9	116	114	115	119	109	114	119	116	118	101	93	97
10	124	115	120	126	118	123	119	118	118	97	94	96
11	135	124	131	131	126	129	120	118	119	96	91	94
12	140	135	137	136	130	133	125	120	122	92	90	90
13	144	136	141	137	134	136	125	107	116	92	90	91
14	140	124	129	139	135	136	114	93	101	95	92	93
15	124	115	119	150	139	143	94	77	83	96	94	95
16	118	116	117	150	144	149	78	75	76	99	96	98
17	118	114	115	150	144	148	77	75	76	103	99	101
18	117	114	115	147	140	146	76	75	76	107	102	105
19	119	101	115	144	135	139	75	71	74	108	106	107
20	101	88	91	143	136	138	76	74	75	109	107	108
21	98	89	93	147	141	144	81	76	79	110	109	109
22	102	98	100	147	145	146	88	81	84	111	109	110
23	109	102	105	153	146	151	98	88	93	111	110	111
24	117	109	112	172	153	165	107	97	102	113	111	112
25	124	116	121	180	171	173	117	107	111	116	113	114
26	145	123	130	233	173	199	131	117	124	120	116	118
27	151	132	137	249	200	227	137	131	135	123	119	121
28	133	123	127	222	176	195	137	131	136	126	123	125
29	123	119	121	188	167	175	131	121	126	---	---	---
30	125	120	122	169	163	166	122	106	113	---	---	---
31	---	---	---	165	163	164	109	102	105	---	---	---
MONTH	158	88	126	249	97	142	182	71	114	---	---	---

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	137	131	133	165	162	163	137	131	134	---	---	---
2	138	137	138	166	164	165	131	129	129	---	---	---
3	138	137	137	166	162	164	---	---	---	---	---	---
4	138	137	137	166	162	163	---	---	---	---	---	---
5	137	135	136	169	164	168	---	---	---	---	---	---
6	136	135	136	171	167	169	---	---	---	---	---	---
7	141	136	138	177	170	174	---	---	---	---	---	---
8	139	137	138	182	176	180	---	---	---	---	---	---
9	140	137	138	187	181	184	---	---	---	---	---	---
10	145	140	143	189	183	186	---	---	---	---	---	---
11	148	144	146	192	184	186	---	---	---	---	---	---
12	151	147	149	196	189	194	---	---	---	---	---	---
13	153	150	151	195	185	192	---	---	---	---	---	---
14	154	152	153	185	172	178	---	---	---	---	---	---
15	157	153	155	174	163	169	---	---	---	---	---	---
16	158	156	157	163	148	153	---	---	---	---	---	---
17	159	151	155	148	137	141	---	---	---	---	---	---
18	161	156	158	138	136	137	---	---	---	---	---	---
19	161	154	157	139	137	138	---	---	---	---	---	---
20	154	151	152	142	139	140	---	---	---	---	---	---
21	153	151	152	146	141	143	---	---	---	---	---	---
22	151	143	147	151	145	148	---	---	---	---	---	---
23	144	142	143	153	150	151	---	---	---	---	---	---
24	145	143	144	156	153	154	---	---	---	---	---	---
25	145	144	145	158	155	156	---	---	---	---	---	---
26	150	145	148	157	153	154	---	---	---	---	---	---
27	153	149	151	153	147	149	---	---	---	---	---	---
28	156	153	153	147	138	143	---	---	---	---	---	---
29	159	155	157	143	139	141	---	---	---	---	---	---
30	161	158	159	142	136	140	---	---	---	---	---	---
31	162	160	161	---	---	---	---	---	---	---	---	---
MONTH	162	131	147	196	136	161	---	---	---	---	---	---

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	
													OCTOBER
1	---	---	---	---	---	---	0.06	0.05	0.05	---	---	---	
2	---	---	---	---	---	---	0.06	0.05	0.06	---	---	---	
3	---	---	---	---	---	---	0.06	0.06	0.06	---	---	---	
4	---	---	---	0.03	0.03	0.03	0.06	0.06	0.06	---	---	---	
5	---	---	---	0.04	0.03	0.04	0.06	0.05	0.05	---	---	---	
6	---	---	---	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	
7	---	---	---	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	
8	---	---	---	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	
9	---	---	---	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	
10	---	---	---	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	
11	---	---	---	0.05	0.04	0.04	0.05	0.04	0.04	0.05	0.05	0.05	
12	---	---	---	0.05	0.04	0.05	0.04	0.04	0.04	0.05	0.05	0.05	
13	---	---	---	---	---	---	0.04	0.04	0.04	0.05	0.05	0.05	
14	---	---	---	0.05	0.05	0.05	0.04	0.03	0.04	0.05	0.05	0.05	
15	---	---	---	0.05	0.05	0.05	0.03	0.03	0.03	0.05	0.05	0.05	
16	---	---	---	0.05	0.05	0.05	0.03	0.03	0.03	0.05	0.05	0.05	
17	---	---	---	0.05	0.05	0.05	0.03	0.03	0.03	0.05	0.05	0.05	
18	---	---	---	0.05	0.05	0.05	0.03	0.03	0.03	0.05	0.05	0.05	
19	---	---	---	0.06	0.05	0.05	0.03	0.03	0.03	0.05	0.05	0.05	
20	---	---	---	---	---	---	0.04	0.03	0.04	0.05	0.05	0.05	
21	---	---	---	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05	
22	---	---	---	0.05	0.05	0.05	0.04	0.04	0.04	---	---	---	
23	---	---	---	0.05	0.05	0.05	0.04	0.04	0.04	---	---	---	
24	---	---	---	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05	
25	---	---	---	---	---	---	0.04	0.04	0.04	---	---	---	
26	---	---	---	0.05	0.05	0.05	0.04	0.04	0.04	---	---	---	
27	---	---	---	---	---	---	0.04	0.04	0.04	0.05	0.05	0.05	
28	---	---	---	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05	
29	---	---	---	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05	
30	---	---	---	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05	
31	---	---	---	---	---	---	0.05	0.04	0.04	0.05	0.05	0.05	
MONTH	---	---	---	---	---	---	0.06	0.03	0.04	---	---	---	
FEBRUARY			MARCH			APRIL			MAY				
1	0.05	0.05	0.05	0.03	0.03	0.03	0.05	0.05	0.05	0.05	0.04	0.04	0.05
2	0.05	0.05	0.05	0.04	0.03	0.03	0.05	0.05	0.05	0.04	0.04	0.04	0.04
3	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.03	0.04	0.04
4	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05	0.03	0.03	0.03	0.03
5	---	---	---	0.04	0.04	0.04	0.05	0.05	0.05	0.03	0.03	0.03	0.03
6	---	---	---	0.04	0.04	0.04	0.05	0.05	0.05	0.03	0.03	0.03	0.03
7	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05	0.03	0.03	0.03	0.03
8	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05	0.03	0.03	0.03	0.03
9	0.05	0.05	0.05	0.05	0.04	0.04	0.05	0.05	0.05	0.03	0.03	0.03	0.03
10	0.05	0.05	0.05	0.05	0.04	0.05	0.06	0.05	0.05	0.03	0.03	0.03	0.03
11	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.04	0.03	0.04	0.04
12	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.04	0.04	0.04	0.04
13	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.06	0.04	0.04	0.04	0.04
14	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.05	0.04	0.04	0.04	0.04
15	0.05	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04
16	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04
17	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.04	0.05	0.05
18	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05	0.05
19	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05	0.05
20	0.04	0.04	0.04	0.05	0.04	0.05	0.04	0.04	0.04	0.05	0.05	0.05	0.05
21	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05	0.05
22	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.04	0.04	0.05	0.05	0.05	0.05
23	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
24	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
25	0.04	0.04	0.04	0.05	0.04	0.05	0.05	0.05	0.05	0.06	0.05	0.05	0.05
26	0.05	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.06	0.06
27	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06
28	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06
29	0.04	0.03	0.03	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.06	0.06
30	---	---	---	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
31	---	---	---	0.05	0.05	0.05	---	---	---	0.05	0.05	0.05	0.05
MONTH	---	---	---	0.05	0.03	0.05	0.06	0.04	0.05	0.06	0.03	0.04	0.04

CAPE FEAR RIVER BASIN

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	0.06	0.05	0.05	0.05	0.05	0.05	0.07	0.06	0.07	0.04	0.04	0.04
2	0.06	0.06	0.06	0.05	0.04	0.04	0.06	0.06	0.06	0.04	0.03	0.03
3	0.06	0.06	0.06	0.04	0.04	0.04	0.06	0.06	0.06	0.03	0.03	0.03
4	0.06	0.06	0.06	0.04	0.04	0.04	0.07	0.06	0.07	0.04	0.03	0.03
5	0.06	0.06	0.06	0.04	0.04	0.04	0.07	0.06	0.06	0.04	0.04	0.04
6	0.06	0.06	0.06	0.04	0.04	0.04	0.06	0.05	0.05	0.04	0.04	0.04
7	0.06	0.06	0.06	0.04	0.04	0.04	0.06	0.05	0.05	0.04	0.04	0.04
8	0.06	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04
9	0.05	0.05	0.05	0.05	0.04	0.05	0.05	0.05	0.05	0.04	0.04	0.04
10	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04
11	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04
12	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04
13	0.06	0.05	0.06	0.05	0.05	0.05	0.05	0.04	0.05	0.04	0.04	0.04
14	0.06	0.05	0.05	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04
15	0.05	0.05	0.05	0.06	0.06	0.06	0.04	0.03	0.03	0.04	0.04	0.04
16	0.05	0.05	0.05	0.06	0.06	0.06	0.03	0.03	0.03	0.04	0.04	0.04
17	0.05	0.05	0.05	0.06	0.06	0.06	0.03	0.03	0.03	0.04	0.04	0.04
18	0.05	0.05	0.05	0.06	0.06	0.06	0.03	0.03	0.03	0.04	0.04	0.04
19	0.05	0.04	0.05	0.06	0.05	0.06	0.03	0.03	0.03	0.04	0.04	0.04
20	0.04	0.04	0.04	0.06	0.05	0.06	0.03	0.03	0.03	0.04	0.04	0.04
21	0.04	0.04	0.04	0.06	0.06	0.06	0.03	0.03	0.03	0.04	0.04	0.04
22	0.04	0.04	0.04	0.06	0.06	0.06	0.04	0.03	0.03	0.04	0.04	0.04
23	0.04	0.04	0.04	0.06	0.06	0.06	0.04	0.04	0.04	0.04	0.04	0.04
24	0.05	0.04	0.04	0.07	0.06	0.07	0.04	0.04	0.04	0.05	0.04	0.04
25	0.05	0.05	0.05	0.07	0.07	0.07	0.05	0.04	0.04	0.05	0.05	0.05
26	0.06	0.05	0.05	0.10	0.07	0.08	0.05	0.05	0.05	0.05	0.05	0.05
27	0.06	0.05	0.05	0.1	0.08	0.09	0.05	0.05	0.05	0.05	0.05	0.05
28	0.05	0.05	0.05	0.09	0.07	0.08	0.05	0.05	0.05	0.05	0.05	0.05
29	0.05	0.05	0.05	0.08	0.07	0.07	0.05	0.05	0.05	---	---	---
30	0.05	0.05	0.05	0.07	0.07	0.07	0.05	0.04	0.05	---	---	---
31	---	---	---	0.07	0.07	0.07	0.04	0.04	0.04	---	---	---
MONTH	0.06	0.04	0.05	0.1	0.04	0.06	0.07	0.03	0.05	---	---	---

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	0.05	0.05	0.05	0.07	0.06	0.07	0.05	0.05	0.05	---	---	---
2	0.06	0.05	0.06	0.07	0.07	0.07	0.05	0.05	0.05	---	---	---
3	0.06	0.05	0.05	0.07	0.06	0.07	---	---	---	---	---	---
4	0.06	0.05	0.05	0.07	0.06	0.07	---	---	---	---	---	---
5	0.05	0.05	0.05	0.07	0.07	0.07	---	---	---	---	---	---
6	0.05	0.05	0.05	0.07	0.07	0.07	---	---	---	---	---	---
7	0.06	0.05	0.06	0.07	0.07	0.07	---	---	---	---	---	---
8	0.06	0.05	0.06	0.07	0.07	0.07	---	---	---	---	---	---
9	0.06	0.05	0.06	0.07	0.07	0.07	---	---	---	---	---	---
10	0.06	0.06	0.06	0.08	0.07	0.07	---	---	---	---	---	---
11	0.06	0.06	0.06	0.08	0.07	0.07	---	---	---	---	---	---
12	0.06	0.06	0.06	0.08	0.08	0.08	---	---	---	---	---	---
13	0.06	0.06	0.06	0.08	0.07	0.08	---	---	---	---	---	---
14	0.06	0.06	0.06	0.07	0.07	0.07	---	---	---	---	---	---
15	0.06	0.06	0.06	0.07	0.07	0.07	---	---	---	---	---	---
16	0.06	0.06	0.06	0.07	0.06	0.06	---	---	---	---	---	---
17	0.06	0.06	0.06	0.06	0.05	0.06	---	---	---	---	---	---
18	0.06	0.06	0.06	0.06	0.05	0.05	---	---	---	---	---	---
19	0.06	0.06	0.06	0.06	0.05	0.06	---	---	---	---	---	---
20	0.06	0.06	0.06	0.06	0.06	0.06	---	---	---	---	---	---
21	0.06	0.06	0.06	0.06	0.06	0.06	---	---	---	---	---	---
22	0.06	0.06	0.06	0.06	0.06	0.06	---	---	---	---	---	---
23	0.06	0.06	0.06	0.06	0.06	0.06	---	---	---	---	---	---
24	0.06	0.06	0.06	0.06	0.06	0.06	---	---	---	---	---	---
25	0.06	0.06	0.06	0.06	0.06	0.06	---	---	---	---	---	---
26	0.06	0.06	0.06	0.06	0.06	0.06	---	---	---	---	---	---
27	0.06	0.06	0.06	0.06	0.06	0.06	---	---	---	---	---	---
28	0.06	0.06	0.06	0.06	0.06	0.06	---	---	---	---	---	---
29	0.06	0.06	0.06	0.06	0.06	0.06	---	---	---	---	---	---
30	0.06	0.06	0.06	0.06	0.05	0.06	---	---	---	---	---	---
31	0.06	0.06	0.06	---	---	---	---	---	---	---	---	---
MONTH	0.06	0.05	0.06	0.08	0.05	0.07	---	---	---	---	---	---

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	6.5	6.5	6.5	---	---	---
2	---	---	---	---	---	---	6.5	6.4	6.5	---	---	---
3	---	---	---	---	---	---	6.5	6.5	6.5	---	---	---
4	---	---	---	5.8	5.8	5.8	6.5	6.5	6.5	---	---	---
5	---	---	---	5.9	5.8	5.9	6.5	6.5	6.5	---	---	---
6	---	---	---	6.0	5.9	5.9	6.6	6.5	6.6	6.3	6.3	6.3
7	---	---	---	6.1	6.0	6.0	6.6	6.6	6.6	6.3	6.3	6.3
8	---	---	---	6.2	6.1	6.2	6.6	6.6	6.6	6.4	6.3	6.3
9	---	---	---	6.2	6.2	6.2	6.6	6.6	6.6	6.4	6.3	6.3
10	---	---	---	6.2	6.2	6.2	6.6	6.6	6.6	6.5	6.4	6.4
11	---	---	---	6.2	6.2	6.2	6.6	6.3	6.4	6.6	6.5	6.6
12	---	---	---	6.2	6.2	6.2	6.5	6.3	6.4	6.6	6.6	6.6
13	---	---	---	---	---	---	6.3	6.2	6.3	6.6	6.6	6.6
14	---	---	---	6.3	6.2	6.2	6.3	6.2	6.2	6.6	6.6	6.6
15	---	---	---	6.3	6.3	6.3	6.2	6.2	6.2	6.7	6.6	6.7
16	---	---	---	6.4	6.3	6.3	6.2	6.1	6.1	6.7	6.7	6.7
17	---	---	---	6.4	6.4	6.4	6.1	6.0	6.1	6.7	6.7	6.7
18	---	---	---	6.4	6.4	6.4	6.0	6.0	6.0	6.7	6.7	6.7
19	---	---	---	6.5	6.4	6.4	6.0	6.0	6.0	6.7	6.7	6.7
20	---	---	---	---	---	---	6.1	6.0	6.0	6.8	6.7	6.7
21	---	---	---	6.4	6.4	6.4	6.0	6.0	6.0	6.9	6.8	6.9
22	---	---	---	6.4	6.3	6.3	6.0	6.0	6.0	---	---	---
23	---	---	---	6.4	6.3	6.4	6.1	6.0	6.1	---	---	---
24	---	---	---	6.4	6.4	6.4	6.1	6.1	6.1	6.9	6.9	6.9
25	---	---	---	---	---	---	6.1	6.1	6.1	---	---	---
26	---	---	---	6.4	6.4	6.4	6.2	6.1	6.2	---	---	---
27	---	---	---	---	---	---	6.2	6.2	6.2	6.9	6.8	6.9
28	---	---	---	6.4	6.4	6.4	6.3	6.2	6.2	6.9	6.8	6.9
29	---	---	---	6.4	6.4	6.4	6.3	6.3	6.3	6.9	6.8	6.9
30	---	---	---	6.5	6.4	6.5	6.3	6.3	6.3	6.9	6.8	6.8
31	---	---	---	---	---	---	6.3	6.3	6.3	7.0	6.8	6.9
MONTH	---	---	---	---	---	---	6.6	6.0	6.3	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.0	6.8	6.9	6.9	6.9	6.9	6.6	6.5	6.6	6.9	6.8	6.9
2	7.0	6.8	6.9	6.9	6.8	6.9	6.6	6.6	6.6	6.8	6.6	6.7
3	6.9	6.9	6.9	6.9	6.9	6.9	6.7	6.6	6.7	6.6	6.5	6.6
4	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.7	6.7	6.5	6.2	6.3
5	---	---	---	6.9	6.9	6.9	6.9	6.7	6.8	6.2	6.2	6.2
6	---	---	---	7.0	6.9	6.9	6.9	6.9	6.9	6.2	6.1	6.2
7	6.8	6.8	6.8	7.0	7.0	7.0	6.9	6.8	6.9	6.1	6.1	6.1
8	6.8	6.7	6.8	7.1	7.0	7.0	6.9	6.8	6.9	6.1	6.0	6.1
9	6.9	6.8	6.8	7.2	7.1	7.1	6.9	6.8	6.8	6.1	6.0	6.1
10	6.9	6.8	6.9	7.2	7.0	7.1	6.9	6.8	6.8	6.1	6.0	6.1
11	6.9	6.9	6.9	7.1	7.1	7.1	6.9	6.9	6.9	6.2	6.1	6.1
12	6.9	6.9	6.9	7.2	7.1	7.2	6.9	6.9	6.9	6.2	6.1	6.2
13	6.9	6.8	6.8	7.2	7.0	7.1	7.2	6.9	7.0	6.2	6.1	6.2
14	7.0	6.9	7.0	7.1	7.0	7.1	7.1	6.9	7.0	6.3	6.2	6.2
15	7.0	6.9	6.9	7.1	7.1	7.1	6.9	6.8	6.9	6.4	6.3	6.3
16	6.9	6.9	6.9	7.1	6.9	7.0	6.8	6.8	6.8	6.5	6.3	6.4
17	6.9	6.8	6.9	7.0	6.9	6.9	6.8	6.7	6.8	6.6	6.5	6.5
18	6.8	6.8	6.8	7.0	7.0	7.0	6.8	6.7	6.7	6.6	6.5	6.6
19	6.8	6.8	6.8	7.0	6.9	6.9	6.7	6.7	6.7	6.6	6.6	6.6
20	6.8	6.8	6.8	7.0	6.9	6.9	6.7	6.6	6.6	6.6	6.6	6.6
21	6.8	6.8	6.8	6.9	6.9	6.9	6.6	6.6	6.6	6.6	6.6	6.6
22	6.8	6.8	6.8	6.9	6.8	6.8	6.6	6.5	6.5	6.6	6.6	6.6
23	6.8	6.7	6.8	6.8	6.8	6.8	6.6	6.5	6.6	6.6	6.5	6.6
24	6.8	6.8	6.8	6.8	6.8	6.8	6.6	6.6	6.6	6.6	6.6	6.6
25	6.8	6.8	6.8	6.8	6.7	6.7	6.7	6.6	6.6	6.6	6.6	6.6
26	6.9	6.8	6.9	6.8	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.6
27	6.9	6.9	6.9	6.7	6.7	6.7	6.7	6.7	6.7	6.8	6.6	6.7
28	6.9	6.8	6.9	6.7	6.6	6.6	6.8	6.7	6.8	6.9	6.8	6.8
29	6.9	6.8	6.8	6.6	6.6	6.6	6.9	6.8	6.8	6.8	6.8	6.8
30	---	---	---	6.6	6.6	6.6	6.9	6.8	6.8	6.8	6.8	6.8
31	---	---	---	6.6	6.5	6.6	---	---	---	6.8	6.8	6.8
MONTH	---	---	---	7.2	6.5	6.9	7.2	6.5	6.8	6.9	6.0	6.5

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.8	6.8	6.8	---	---	---	6.7	6.7	6.7	6.3	6.1	6.2
2	6.8	6.8	6.8	6.8	6.7	6.7	6.7	6.6	6.7	6.1	6.0	6.1
3	6.9	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.1	6.0	6.0
4	6.8	6.7	6.7	6.7	6.6	6.7	6.6	6.6	6.6	6.1	6.0	6.1
5	6.8	6.7	6.8	6.6	6.6	6.6	6.8	6.6	6.7	6.1	6.0	6.0
6	6.8	6.7	6.7	6.6	6.6	6.6	6.8	6.8	6.8	6.1	6.0	6.0
7	6.8	6.7	6.7	6.6	6.6	6.6	6.8	6.7	6.8	6.1	6.0	6.1
8	6.8	6.6	6.7	6.7	6.6	6.6	6.7	6.5	6.7	6.2	6.1	6.1
9	6.6	6.6	6.6	6.7	6.6	6.7	6.5	6.5	6.5	6.2	6.1	6.2
10	6.6	6.6	6.6	6.8	6.7	6.7	6.5	6.5	6.5	6.2	6.1	6.2
11	6.7	6.6	6.6	6.8	6.7	6.7	6.5	6.5	6.5	6.2	6.2	6.2
12	6.7	6.6	6.6	6.8	6.7	6.8	6.5	6.5	6.5	6.2	6.1	6.2
13	6.7	6.6	6.7	6.8	6.7	6.7	6.6	6.4	6.5	6.2	6.1	6.1
14	6.7	6.6	6.6	6.8	6.7	6.8	6.4	6.3	6.4	6.2	6.1	6.2
15	6.6	6.6	6.6	6.9	6.8	6.8	6.3	5.9	6.1	6.2	6.1	6.2
16	6.7	6.6	6.6	6.9	6.8	6.8	5.9	5.8	5.8	6.2	6.1	6.2
17	6.6	6.6	6.6	6.8	6.7	6.7	5.8	5.7	5.7	6.2	6.1	6.2
18	6.6	6.6	6.6	6.8	6.7	6.7	5.7	5.6	5.6	6.2	6.2	6.2
19	6.6	6.5	6.6	6.7	6.7	6.7	5.7	5.5	5.6	6.3	6.2	6.2
20	6.5	6.4	6.5	6.7	6.6	6.7	5.8	5.7	5.7	6.2	6.2	6.2
21	6.5	6.4	6.4	6.7	6.6	6.6	5.8	5.7	5.8	6.2	6.2	6.2
22	6.5	6.5	6.5	6.6	6.5	6.6	5.9	5.8	5.8	6.3	6.2	6.2
23	6.5	6.5	6.5	6.7	6.5	6.6	5.9	5.8	5.8	6.4	6.2	6.3
24	6.6	6.5	6.5	6.8	6.7	6.7	6.0	5.9	5.9	6.4	6.3	6.4
25	6.6	6.6	6.6	6.8	6.7	6.7	6.0	6.0	6.0	6.4	6.3	6.4
26	6.7	6.6	6.6	6.9	6.7	6.8	6.2	6.0	6.1	6.4	6.4	6.4
27	6.7	6.7	6.7	6.9	6.8	6.8	6.3	6.2	6.2	6.4	6.4	6.4
28	6.7	6.7	6.7	6.9	6.7	6.7	6.4	6.3	6.3	6.5	6.4	6.4
29	6.7	6.7	6.7	6.7	6.6	6.7	6.4	6.3	6.4	6.5	6.4	6.5
30	6.7	6.6	6.7	6.8	6.7	6.7	6.4	6.2	6.3	6.6	6.5	6.6
31	---	---	---	6.8	6.6	6.7	6.3	6.2	6.3	---	---	---
MONTH	6.9	6.4	6.6	---	---	---	6.8	5.5	6.3	6.6	6.0	6.2

CAPE FEAR RIVER BASIN

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	6.7	6.6	6.6	6.7	6.7	6.7	6.9	6.8	6.9	---	---	---
2	6.7	6.7	6.7	6.7	6.7	6.7	6.9	6.8	6.8	---	---	---
3	6.8	6.7	6.7	6.7	6.6	6.6	---	---	---	---	---	---
4	6.8	6.8	6.8	6.6	6.6	6.6	---	---	---	---	---	---
5	6.8	6.8	6.8	6.7	6.6	6.6	---	---	---	---	---	---
6	6.8	6.8	6.8	6.7	6.7	6.7	---	---	---	---	---	---
7	6.8	6.7	6.8	6.7	6.7	6.7	---	---	---	---	---	---
8	6.8	6.7	6.8	6.8	6.7	6.8	---	---	---	---	---	---
9	6.8	6.7	6.7	6.8	6.8	6.8	---	---	---	---	---	---
10	6.8	6.7	6.7	6.9	6.8	6.9	---	---	---	---	---	---
11	6.8	6.7	6.7	7.0	6.9	7.0	---	---	---	---	---	---
12	6.8	6.7	6.7	7.0	6.9	7.0	---	---	---	---	---	---
13	6.8	6.7	6.7	7.0	7.0	7.0	---	---	---	---	---	---
14	6.7	6.6	6.6	7.0	7.0	7.0	---	---	---	---	---	---
15	6.7	6.6	6.6	7.0	6.9	7.0	---	---	---	---	---	---
16	6.7	6.7	6.7	7.0	6.8	6.9	---	---	---	---	---	---
17	6.8	6.7	6.7	6.9	6.8	6.9	---	---	---	---	---	---
18	6.8	6.8	6.8	6.8	6.8	6.8	---	---	---	---	---	---
19	6.8	6.7	6.8	6.8	6.8	6.8	---	---	---	---	---	---
20	6.8	6.7	6.7	6.8	6.8	6.8	---	---	---	---	---	---
21	6.8	6.7	6.7	6.8	6.7	6.8	---	---	---	---	---	---
22	6.7	6.7	6.7	6.8	6.7	6.8	---	---	---	---	---	---
23	6.7	6.7	6.7	6.8	6.7	6.8	---	---	---	---	---	---
24	6.7	6.7	6.7	6.8	6.7	6.8	---	---	---	---	---	---
25	6.7	6.7	6.7	6.8	6.7	6.8	---	---	---	---	---	---
26	6.7	6.7	6.7	6.8	6.8	6.8	---	---	---	---	---	---
27	6.7	6.7	6.7	6.9	6.8	6.8	---	---	---	---	---	---
28	6.7	6.7	6.7	6.9	6.9	6.9	---	---	---	---	---	---
29	6.7	6.7	6.7	7.0	6.9	6.9	---	---	---	---	---	---
30	6.7	6.7	6.7	6.9	6.9	6.9	---	---	---	---	---	---
31	6.7	6.7	6.7	---	---	---	---	---	---	---	---	---
MONTH	6.8	6.6	6.7	7.0	6.6	6.8	---	---	---	---	---	---

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	11.5	11.0	11.3	---	---	---
2	---	---	---	---	---	---	11.2	9.8	10.5	---	---	---
3	---	---	---	---	---	---	9.8	8.3	8.9	---	---	---
4	---	---	---	17.4	16.6	16.9	8.3	7.7	7.9	---	---	---
5	---	---	---	18.2	17.4	17.7	8.0	7.7	7.9	---	---	---
6	---	---	---	19.5	18.2	18.8	8.1	7.8	7.9	12.2	11.6	12.0
7	---	---	---	20.6	19.5	20.0	7.8	7.3	7.5	12.2	10.9	11.5
8	---	---	---	20.6	19.9	20.4	7.4	6.8	7.0	10.9	9.5	10.0
9	---	---	---	19.9	17.6	18.8	6.9	6.2	6.5	9.5	7.8	8.7
10	---	---	---	17.6	15.5	16.5	7.9	6.2	6.7	7.8	5.4	6.7
11	---	---	---	15.5	14.5	14.9	9.9	7.9	8.8	5.4	3.8	4.4
12	---	---	---	14.7	14.0	14.4	10.5	9.9	10.2	3.8	3.3	3.6
13	---	---	---	---	---	---	10.1	9.2	9.7	3.9	3.4	3.6
14	---	---	---	14.9	14.1	14.5	9.2	8.3	8.8	3.9	3.6	3.8
15	---	---	---	14.1	13.4	13.6	8.3	7.9	8.1	4.6	3.9	4.2
16	---	---	---	13.4	12.9	13.1	7.9	7.5	7.7	5.0	4.6	4.8
17	---	---	---	13.3	12.7	13.0	8.2	7.8	8.0	5.2	4.8	5.0
18	---	---	---	13.8	13.2	13.5	8.0	7.7	7.8	6.4	5.2	5.7
19	---	---	---	15.1	13.8	14.5	7.8	7.6	7.7	7.0	6.4	6.8
20	---	---	---	---	---	---	7.6	6.9	7.3	6.8	6.1	6.4
21	---	---	---	15.3	14.6	14.9	6.9	6.1	6.4	6.1	5.3	5.6
22	---	---	---	14.6	13.8	14.1	6.1	5.5	5.7	---	---	---
23	---	---	---	13.8	13.0	13.4	5.6	5.2	5.4	---	---	---
24	---	---	---	13.6	12.8	13.2	6.8	5.6	6.1	4.9	4.5	4.7
25	---	---	---	---	---	---	7.8	6.8	7.3	---	---	---
26	---	---	---	13.5	13.2	13.3	8.2	7.5	7.8	---	---	---
27	---	---	---	---	---	---	8.0	7.3	7.7	3.8	3.6	3.7
28	---	---	---	13.8	13.3	13.5	7.3	6.4	6.7	3.7	3.4	3.6
29	---	---	---	13.7	12.6	13.1	6.5	6.0	6.2	3.6	3.0	3.3
30	---	---	---	12.6	11.5	11.9	7.2	6.4	6.8	3.7	3.0	3.4
31	---	---	---	---	---	---	7.8	7.1	7.4	3.7	3.4	3.5
MONTH	---	---	---	---	---	---	11.5	5.2	7.7	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.6	3.2	3.4	7.9	6.3	7.1	16.6	16.1	16.3	20.3	19.3	19.7
2	4.2	3.3	3.7	10.2	7.9	9.0	16.2	15.3	15.8	20.0	19.0	19.5
3	4.8	4.1	4.4	12.6	10.2	11.4	15.3	14.6	14.9	20.2	19.8	20.0
4	5.3	4.5	4.9	14.9	12.6	13.7	15.5	14.6	14.9	19.9	19.0	19.4
5	---	---	---	16.8	14.9	15.8	15.3	14.6	14.8	19.0	18.3	18.7
6	---	---	---	18.0	16.8	17.4	15.0	14.2	14.6	19.1	18.1	18.6
7	10.0	8.5	9.3	18.4	17.7	18.0	15.6	14.3	14.8	19.6	18.5	19.0
8	10.0	9.7	9.9	18.0	17.0	17.5	16.5	15.2	15.8	20.4	19.3	19.8
9	9.9	9.3	9.5	17.0	15.3	15.9	17.6	16.1	16.8	21.4	20.3	20.8
10	10.0	9.7	9.9	15.3	14.0	14.5	17.9	17.2	17.6	22.3	21.3	21.7
11	9.8	9.1	9.3	14.0	12.7	13.1	18.6	17.7	18.1	22.9	22.0	22.4
12	9.1	8.4	8.7	13.0	12.1	12.6	18.9	18.4	18.6	23.1	22.4	22.8
13	8.8	8.2	8.5	12.8	12.2	12.6	19.0	18.7	18.9	23.4	22.7	23.0
14	8.7	8.5	8.6	12.7	12.3	12.5	18.8	17.2	17.9	23.5	22.6	23.0
15	8.6	8.4	8.5	13.4	12.5	12.9	17.2	16.5	16.9	23.6	22.8	23.2
16	8.6	8.1	8.3	14.0	13.4	13.7	17.0	15.8	16.4	23.9	23.3	23.6
17	8.1	6.9	7.5	14.2	13.9	14.1	17.3	15.7	16.5	24.6	23.5	23.9
18	6.9	6.2	6.5	14.1	13.6	13.9	18.4	16.5	17.4	24.6	24.2	24.4
19	6.7	5.7	6.2	14.4	13.7	14.1	19.6	17.8	18.6	24.6	23.8	24.3
20	7.4	6.1	6.7	14.3	13.6	14.0	20.7	19.1	19.8	25.0	24.4	24.7
21	9.0	7.2	8.1	14.5	14.0	14.2	21.6	20.2	20.9	25.8	24.9	25.3
22	10.2	8.8	9.5	14.3	13.8	14.1	22.1	20.9	21.4	26.5	25.4	25.9
23	10.8	9.7	10.3	14.0	13.2	13.5	22.6	21.1	21.8	27.0	25.7	26.3
24	10.8	10.4	10.6	13.4	12.8	13.1	22.8	21.9	22.4	27.5	26.6	27.0
25	10.7	10.2	10.4	13.4	12.9	13.2	22.9	22.4	22.7	28.0	27.0	27.5
26	10.3	8.9	9.6	14.0	13.3	13.6	22.9	22.4	22.7	28.5	27.6	28.0
27	8.9	6.6	7.7	15.0	14.0	14.6	22.8	22.0	22.5	28.9	28.0	28.4
28	6.6	5.8	6.1	15.8	14.9	15.4	22.0	21.1	21.5	28.9	28.1	28.5
29	6.7	5.4	6.1	16.6	15.5	16.0	21.1	20.3	20.6	28.8	28.1	28.4
30	---	---	---	16.6	16.0	16.3	20.6	19.7	20.2	28.2	27.5	27.8
31	---	---	---	16.7	15.9	16.2	---	---	---	27.5	26.9	27.1
MONTH	---	---	---	18.4	6.3	14.0	22.9	14.2	18.4	28.9	18.1	23.6

CAPE FEAR RIVER BASIN

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	26.9	26.4	26.6	26.8	26.2	26.4	29.4	28.9	29.1	25.3	24.9	25.1
2	27.2	26.3	26.7	26.2	25.7	26.0	29.1	28.7	29.0	24.9	24.4	24.6
3	27.9	26.7	27.2	26.1	25.7	25.9	28.7	28.2	28.5	24.4	24.0	24.2
4	27.8	27.3	27.5	26.6	25.5	26.0	28.4	27.5	28.0	24.3	23.8	24.1
5	27.6	27.0	27.3	27.6	26.4	26.9	29.2	28.1	28.6	24.5	23.9	24.2
6	27.2	26.7	27.0	28.5	27.5	28.0	28.8	28.0	28.5	24.4	24.1	24.3
7	27.1	26.5	26.8	29.4	28.4	28.8	28.0	26.2	26.8	24.4	24.2	24.3
8	26.9	26.4	26.6	29.8	29.2	29.4	26.2	25.1	25.5	24.9	24.2	24.5
9	26.5	25.9	26.1	29.7	29.1	29.3	25.2	24.4	24.8	25.4	24.6	25.0
10	26.6	25.7	26.1	29.9	29.0	29.3	24.8	24.2	24.6	25.6	25.2	25.4
11	27.6	26.5	27.0	29.9	29.0	29.3	25.3	24.6	24.9	25.4	24.8	25.0
12	27.7	27.2	27.5	29.4	28.6	28.9	25.6	24.9	25.2	24.8	24.3	24.6
13	27.2	25.9	26.4	29.5	28.8	29.1	25.3	24.3	24.9	24.5	23.9	24.2
14	25.9	25.3	25.6	30.0	29.1	29.4	24.3	23.3	23.8	24.0	23.3	23.6
15	26.0	25.3	25.6	30.3	29.5	29.8	23.3	22.4	22.7	23.4	23.0	23.2
16	26.0	25.4	25.8	30.3	29.4	29.8	22.6	22.2	22.4	23.5	23.1	23.3
17	26.1	25.8	25.9	29.8	28.6	29.2	22.8	22.2	22.5	24.1	23.4	23.7
18	27.4	26.1	26.5	28.6	28.1	28.4	23.1	22.5	22.8	24.1	23.7	23.9
19	28.0	27.0	27.5	28.4	27.8	28.1	23.6	22.9	23.2	23.7	22.8	23.3
20	27.7	27.0	27.3	28.4	27.6	27.9	24.3	23.5	23.8	22.8	21.9	22.2
21	27.2	26.4	26.9	28.6	27.8	28.2	24.9	24.2	24.6	21.9	21.0	21.3
22	27.4	26.5	27.0	28.6	28.1	28.3	25.2	24.9	25.0	21.2	20.6	20.9
23	27.6	26.8	27.2	28.8	28.4	28.6	25.5	25.0	25.3	21.1	20.5	20.9
24	27.6	27.4	27.5	29.4	28.4	28.9	25.5	24.9	25.2	21.5	20.8	21.2
25	27.8	27.1	27.5	29.3	28.7	29.0	25.2	24.7	25.0	22.1	21.3	21.6
26	27.7	27.5	27.6	29.3	28.7	29.0	25.0	24.6	24.8	22.1	21.9	22.0
27	27.5	27.0	27.2	29.4	28.7	29.0	24.8	24.5	24.7	22.8	22.1	22.4
28	27.1	26.7	27.0	29.2	28.8	29.0	25.2	24.5	24.8	23.1	22.8	22.9
29	27.1	26.6	26.9	29.1	28.7	28.9	25.3	24.9	25.1	23.5	23.0	23.2
30	27.0	26.7	26.8	29.3	28.5	28.9	25.4	25.0	25.3	23.6	23.3	23.5
31	---	---	---	29.5	28.7	29.0	25.5	25.0	25.3	---	---	---
MONTH	28.0	25.3	26.8	30.3	25.5	28.5	29.4	22.2	25.3	25.6	20.5	23.4

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.0	23.5	23.7	19.1	18.0	18.6	11.8	11.3	11.5	---	---	---
2	24.1	23.7	23.9	19.9	18.9	19.3	11.3	10.7	10.9	---	---	---
3	24.2	23.8	24.0	20.4	19.8	20.1	---	---	---	---	---	---
4	24.1	23.6	23.9	20.6	20.1	20.4	---	---	---	---	---	---
5	23.7	23.2	23.5	20.5	19.8	20.2	---	---	---	---	---	---
6	23.2	22.2	22.8	19.8	18.7	19.1	---	---	---	---	---	---
7	22.2	21.0	21.6	18.7	17.6	17.9	---	---	---	---	---	---
8	21.0	20.3	20.6	17.6	16.5	16.8	---	---	---	---	---	---
9	20.5	19.9	20.2	16.6	15.1	15.6	---	---	---	---	---	---
10	20.6	20.0	20.2	15.1	14.0	14.4	---	---	---	---	---	---
11	20.5	20.1	20.3	14.1	13.2	13.6	---	---	---	---	---	---
12	20.3	19.7	19.9	13.9	13.3	13.6	---	---	---	---	---	---
13	20.1	19.8	19.9	13.7	13.1	13.4	---	---	---	---	---	---
14	20.2	19.8	20.0	13.2	12.7	13.0	---	---	---	---	---	---
15	20.1	19.8	20.0	12.7	11.5	11.9	---	---	---	---	---	---
16	19.9	19.3	19.5	11.5	10.0	10.7	---	---	---	---	---	---
17	19.3	18.6	18.9	10.0	9.1	9.4	---	---	---	---	---	---
18	18.6	18.0	18.2	9.4	8.8	9.1	---	---	---	---	---	---
19	18.9	18.1	18.5	10.0	9.2	9.6	---	---	---	---	---	---
20	19.6	18.8	19.2	11.2	9.9	10.5	---	---	---	---	---	---
21	19.6	19.3	19.5	12.5	11.2	11.7	---	---	---	---	---	---
22	19.5	19.1	19.3	13.7	12.5	13.1	---	---	---	---	---	---
23	19.1	18.4	18.7	14.6	13.7	14.2	---	---	---	---	---	---
24	18.4	17.8	18.0	15.7	14.6	15.1	---	---	---	---	---	---
25	17.8	17.3	17.6	16.4	15.7	16.1	---	---	---	---	---	---
26	17.3	16.9	17.1	16.2	14.5	15.3	---	---	---	---	---	---
27	16.9	16.4	16.6	14.5	13.6	13.9	---	---	---	---	---	---
28	16.9	16.4	16.6	14.0	13.0	13.7	---	---	---	---	---	---
29	16.8	16.4	16.6	13.0	11.6	12.2	---	---	---	---	---	---
30	17.3	16.6	16.8	11.6	11.1	11.4	---	---	---	---	---	---
31	18.3	17.2	17.6	---	---	---	---	---	---	---	---	---
MONTH	24.2	16.4	19.8	20.6	8.8	14.5	---	---	---	---	---	---

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—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	---	---	---	---	---	---	7.6	7.3	7.4	---	---	---
2	---	---	---	---	---	---	8.0	7.4	7.7	---	---	---
3	---	---	---	---	---	---	8.8	7.9	8.4	---	---	---
4	---	---	---	5.7	5.3	5.5	9.2	8.6	8.9	---	---	---
5	---	---	---	5.4	5.0	5.2	9.2	8.9	9.1	---	---	---
6	---	---	---	5.1	4.6	4.9	9.3	9.0	9.1	8.7	8.2	8.4
7	---	---	---	4.7	4.4	4.6	9.4	9.0	9.2	8.2	8.1	8.2
8	---	---	---	4.7	4.4	4.6	9.5	9.1	9.4	8.7	8.2	8.5
9	---	---	---	5.2	4.6	4.8	9.7	9.3	9.5	9.4	8.7	9.0
10	---	---	---	5.8	5.0	5.4	9.8	9.2	9.6	10.4	9.4	9.8
11	---	---	---	6.2	5.6	5.9	9.4	8.0	8.7	11.1	10.4	10.8
12	---	---	---	6.7	6.1	6.4	8.2	7.2	7.6	11.6	11.1	11.3
13	---	---	---	---	---	---	7.7	7.2	7.4	11.7	11.5	11.6
14	---	---	---	6.6	6.3	6.4	8.2	7.4	7.9	11.7	11.6	11.6
15	---	---	---	6.7	6.4	6.5	8.4	7.9	8.1	11.7	11.4	11.6
16	---	---	---	7.2	6.6	6.9	8.4	8.0	8.1	11.4	11.0	11.2
17	---	---	---	7.4	7.0	7.3	8.3	8.0	8.2	11.1	10.9	11.0
18	---	---	---	7.5	7.1	7.3	8.3	7.9	8.1	11.0	10.7	10.9
19	---	---	---	7.2	6.8	7.0	8.3	8.0	8.1	10.8	10.5	10.6
20	---	---	---	---	---	---	8.6	8.1	8.3	10.7	10.5	10.6
21	---	---	---	6.6	6.2	6.4	9.1	8.4	8.7	11.0	10.6	10.9
22	---	---	---	6.7	6.4	6.6	9.5	8.9	9.2	---	---	---
23	---	---	---	7.0	6.6	6.8	9.7	9.3	9.6	---	---	---
24	---	---	---	7.2	6.7	6.9	9.7	9.2	9.5	11.8	11.6	11.7
25	---	---	---	---	---	---	9.4	8.7	9.0	---	---	---
26	---	---	---	6.9	6.6	6.7	8.9	8.4	8.7	---	---	---
27	---	---	---	---	---	---	9.0	8.4	8.7	11.8	11.5	11.7
28	---	---	---	7.0	6.7	6.9	9.6	8.8	9.3	11.9	11.7	11.8
29	---	---	---	7.3	6.9	7.1	9.8	9.4	9.7	12.2	11.8	12.0
30	---	---	---	7.5	7.2	7.4	9.8	9.3	9.6	12.2	12.0	12.1
31	---	---	---	---	---	---	9.6	9.0	9.3	12.1	12.0	12.0
MONTH	---	---	---	---	---	---	9.8	7.2	8.7	---	---	---
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.1	12.0	12.0	10.9	10.4	10.7	7.0	6.8	6.9	6.6	5.5	6.0
2	12.2	11.9	12.0	10.4	9.6	10.1	7.0	6.6	6.8	6.7	5.5	6.2
3	12.2	12.0	12.1	9.7	8.9	9.3	6.8	6.6	6.7	6.2	5.6	5.9
4	12.1	11.8	12.0	8.9	8.0	8.5	6.9	6.7	6.8	6.1	5.3	5.7
5	---	---	---	8.1	7.4	7.7	7.1	6.9	7.0	5.7	5.2	5.5
6	---	---	---	7.4	6.9	7.2	7.2	7.0	7.1	5.7	5.2	5.5
7	11.1	10.4	10.7	7.0	6.6	6.8	7.2	7.0	7.2	5.7	5.2	5.4
8	10.5	10.0	10.2	6.7	6.5	6.6	7.2	6.9	7.0	5.6	5.1	5.3
9	10.1	9.9	10	7.0	6.6	6.7	7.0	6.6	6.8	5.4	4.9	5.1
10	10.1	9.7	9.9	7.4	7.0	7.2	6.6	6.3	6.4	5.1	4.7	4.9
11	10.5	10.0	10.2	8.0	7.4	7.8	6.4	6.0	6.2	4.9	4.4	4.7
12	10.6	10.4	10.5	8.3	8.0	8.2	6.2	6.0	6.0	4.6	4.4	4.5
13	10.5	10.2	10.3	8.4	8.2	8.3	---	---	---	4.5	4.2	4.4
14	10.4	10.2	10.3	8.5	8.3	8.4	---	---	---	4.5	4.3	4.4
15	10.4	10.2	10.3	8.5	8.2	8.3	---	---	---	4.8	4.4	4.6
16	10.3	10.1	10.2	8.2	7.8	8.1	---	---	---	5.1	4.7	4.9
17	10.6	10.1	10.4	7.9	7.7	7.8	---	---	---	5.3	5.1	5.2
18	11.0	10.5	10.8	7.9	7.7	7.8	---	---	---	5.5	5.1	5.3
19	11.1	10.9	11.0	7.9	7.7	7.8	---	---	---	5.6	5.3	5.5
20	11.1	10.7	11.0	8.2	7.9	8.1	6.1	5.9	6.0	5.6	5.0	5.3
21	10.8	10.2	10.5	8.2	8.0	8.1	5.9	5.5	5.7	5.1	4.7	4.9
22	10.2	9.6	9.9	8.1	7.8	7.9	5.6	5.4	5.5	4.9	4.4	4.7
23	9.7	9.2	9.4	8.0	7.8	7.9	5.5	5.3	5.4	4.9	4.4	4.7
24	9.3	9.1	9.2	8.2	7.9	8.0	5.5	5.3	5.4	4.6	4.1	4.4
25	9.4	9.1	9.2	8.3	8.1	8.2	5.4	5.3	5.4	4.4	3.8	4.2
26	9.7	9.2	9.4	8.4	8.1	8.2	5.5	5.3	5.4	4.2	3.8	4.0
27	10.6	9.7	10.2	8.2	7.8	8.0	---	---	---	4.4	3.9	4.2
28	10.9	10.5	10.8	7.9	7.4	7.6	---	---	---	4.6	4.1	4.4
29	11.1	10.8	10.9	7.6	7.1	7.3	---	---	---	4.5	4.1	4.4
30	---	---	---	7.1	6.9	7.0	---	---	---	4.6	4.3	4.5
31	---	---	---	7.1	6.9	7.0	---	---	---	4.6	4.3	4.5
MONTH	---	---	---	10.9	6.5	8.0	---	---	---	6.7	3.8	4.9

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.6	4.2	4.5	5.8	5.5	5.6	5.0	4.7	4.8	5.2	4.6	4.8
2	4.6	4.2	4.4	5.6	5.3	5.5	4.8	4.5	4.7	5.0	4.6	4.8
3	4.5	4.1	4.4	5.9	5.6	5.7	5.1	4.6	4.8	4.8	4.5	4.6
4	4.7	4.0	4.3	5.9	5.7	5.8	5.1	4.7	4.9	4.8	4.6	4.7
5	4.8	4.5	4.6	5.8	5.6	5.7	4.8	4.4	4.6	4.7	4.6	4.7
6	4.8	4.5	4.7	5.6	5.3	5.4	4.8	4.7	4.8	4.8	4.6	4.7
7	5.0	4.7	4.9	5.3	4.9	5.1	5.2	4.8	5.1	5.0	4.7	4.8
8	5.2	5.0	5.1	4.9	4.7	4.8	5.5	5.2	5.4	4.9	4.8	4.9
9	5.2	5.0	5.1	4.8	4.6	4.7	5.7	5.4	5.6	5.2	4.8	5.0
10	5.7	4.8	5.1	4.8	4.5	4.7	5.8	5.6	5.7	5.0	4.6	4.8
11	5.2	4.9	5.0	5.0	4.6	4.8	5.6	5.3	5.5	4.8	4.5	4.6
12	5.1	4.8	5.0	4.9	4.7	4.8	5.4	5.1	5.2	4.8	4.5	4.7
13	5.3	5.0	5.1	4.7	4.2	4.5	5.8	5.1	5.6	4.8	4.6	4.7
14	5.5	5.0	5.3	4.6	4.3	4.4	5.9	5.6	5.7	5.0	4.6	4.8
15	5.9	5.2	5.6	4.6	4.0	4.3	5.9	5.3	5.6	5.0	4.7	4.9
16	6.0	5.6	5.8	4.2	4.0	4.1	5.3	4.8	5.1	4.9	4.6	4.8
17	5.8	5.5	5.6	4.9	4.0	4.4	4.8	4.3	4.6	4.8	4.5	4.7
18	5.6	5.4	5.5	4.9	4.4	4.6	4.4	4.1	4.2	4.9	4.5	4.7
19	5.6	5.4	5.5	4.6	4.2	4.4	4.2	3.7	3.9	5.1	4.7	4.9
20	5.5	5.4	5.4	4.4	3.9	4.2	3.7	3.4	3.5	5.5	4.9	5.3
21	5.6	5.4	5.5	4.3	3.9	4.1	3.5	3.3	3.4	5.9	5.3	5.7
22	5.6	5.4	5.5	4.1	3.5	3.9	3.4	3.1	3.2	6.3	5.8	6.1
23	5.5	5.3	5.4	4.2	3.4	3.8	3.1	2.9	3.0	6.4	6.0	6.2
24	5.5	5.3	5.4	4.3	3.5	4.0	3.1	2.9	3.0	6.2	6.0	6.1
25	5.4	5.1	5.3	4.8	4.2	4.4	3.2	3.0	3.1	6.1	5.8	5.9
26	5.3	5.0	5.1	4.8	4.3	4.6	3.8	3.2	3.5	5.8	5.6	5.7
27	5.4	5.1	5.3	4.7	4.4	4.5	4.2	3.7	3.9	5.6	5.4	5.5
28	5.6	5.3	5.5	4.7	4.2	4.4	4.7	4.2	4.5	5.4	5.2	5.4
29	5.8	5.5	5.7	4.8	4.3	4.5	5.0	4.5	4.8	5.3	5.1	5.2
30	5.7	5.2	5.6	5.0	4.5	4.7	5.2	4.8	5.0	5.2	5.0	5.1
31	---	---	---	5.0	4.6	4.8	5.2	4.7	5.0	---	---	---
MONTH	6.0	4.0	5.2	5.9	3.4	4.7	5.9	2.9	4.6	6.4	4.5	5.1

CAPE FEAR RIVER BASIN

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	5.1	5.0	5.1	5.8	5.5	5.7	8.9	8.5	8.7	---	---	---
2	5.2	5.0	5.1	5.6	5.2	5.4	9.2	8.8	9.1	---	---	---
3	5.3	5.1	5.2	5.2	4.8	5.0	---	---	---	---	---	---
4	5.3	5.2	5.3	4.9	4.4	4.7	---	---	---	---	---	---
5	5.4	5.2	5.3	5.0	4.5	4.8	---	---	---	---	---	---
6	5.6	5.3	5.4	4.9	4.7	4.9	---	---	---	---	---	---
7	---	---	---	5.4	4.8	5.2	---	---	---	---	---	---
8	6.5	5.9	6.1	5.8	5.2	5.6	---	---	---	---	---	---
9	6.4	6.0	6.2	6.5	5.6	6.1	---	---	---	---	---	---
10	6.3	5.8	6.1	6.8	6.3	6.6	---	---	---	---	---	---
11	6.2	5.5	5.9	7.1	6.5	6.8	---	---	---	---	---	---
12	6.0	5.3	5.7	7.3	6.8	7.0	---	---	---	---	---	---
13	5.7	5.1	5.4	8.2	7.0	7.6	---	---	---	---	---	---
14	5.4	4.6	5.1	8.3	8.0	8.2	---	---	---	---	---	---
15	5.3	4.7	5.0	8.8	8.1	8.5	---	---	---	---	---	---
16	5.4	4.9	5.1	9.8	8.7	9.3	---	---	---	---	---	---
17	5.6	5.1	5.3	10.7	9.8	10.3	---	---	---	---	---	---
18	6.1	5.4	5.7	10.8	10.5	10.6	---	---	---	---	---	---
19	6.2	5.7	5.9	10.8	10.2	10.5	---	---	---	---	---	---
20	6.2	5.7	6.0	10.3	9.4	9.9	---	---	---	---	---	---
21	6.0	5.3	5.6	9.5	8.6	9.1	---	---	---	---	---	---
22	5.4	5.2	5.3	8.7	7.8	8.3	---	---	---	---	---	---
23	5.4	5.2	5.3	8.0	7.2	7.6	---	---	---	---	---	---
24	5.5	5.2	5.3	7.3	6.6	7.0	---	---	---	---	---	---
25	5.6	5.3	5.5	6.7	6.3	6.5	---	---	---	---	---	---
26	5.7	5.4	5.5	6.8	6.3	6.6	---	---	---	---	---	---
27	5.8	5.6	5.7	7.2	6.7	7.0	---	---	---	---	---	---
28	5.9	5.8	5.8	8.0	7.1	7.5	---	---	---	---	---	---
29	6.1	5.8	5.9	8.7	8.0	8.4	---	---	---	---	---	---
30	6.0	5.7	5.9	8.8	8.5	8.6	---	---	---	---	---	---
31	5.9	5.6	5.8	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	10.8	4.4	7.3	---	---	---	---	---	---

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	69	66	68	---	---	---
2	---	---	---	---	---	---	71	67	69	---	---	---
3	---	---	---	---	---	---	75	69	73	---	---	---
4	---	---	---	59	55	57	77	73	75	---	---	---
5	---	---	---	56	53	55	78	75	77	---	---	---
6	---	---	---	54	50	53	78	76	77	80	77	78
7	---	---	---	51	49	50	78	75	77	77	74	75
8	---	---	---	52	49	51	79	75	77	76	74	75
9	---	---	---	55	50	52	79	76	78	79	76	77
10	---	---	---	58	53	56	80	77	79	83	79	81
11	---	---	---	61	56	59	80	71	75	85	82	83
12	---	---	---	66	60	63	73	64	67	88	84	85
13	---	---	---	---	---	---	67	63	65	89	87	88
14	---	---	---	65	62	63	71	64	68	89	88	88
15	---	---	---	64	62	63	71	67	69	90	88	89
16	---	---	---	69	63	66	71	67	68	89	86	87
17	---	---	---	71	67	69	71	67	69	87	86	86
18	---	---	---	72	69	70	70	67	68	88	86	87
19	---	---	---	71	67	69	70	67	68	88	86	87
20	---	---	---	---	---	---	71	67	69	87	86	86
21	---	---	---	65	61	63	73	69	71	88	85	87
22	---	---	---	65	62	64	76	72	73	---	---	---
23	---	---	---	67	64	65	77	74	76	---	---	---
24	---	---	---	68	64	66	78	75	77	92	90	91
25	---	---	---	---	---	---	77	73	75	---	---	---
26	---	---	---	66	63	64	75	71	73	---	---	---
27	---	---	---	---	---	---	75	71	73	90	87	88
28	---	---	---	68	64	66	79	73	76	90	88	89
29	---	---	---	69	66	68	80	76	78	92	89	90
30	---	---	---	69	66	68	80	77	79	93	90	91
31	---	---	---	---	---	---	79	76	78	92	90	91
MONTH	---	---	---	---	---	---	80	63	73	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	92	90	91	90	87	88	72	70	71	72	60	66
2	94	89	91	88	86	87	71	66	69	73	61	67
3	94	92	93	87	84	85	68	65	67	68	62	65
4	95	92	94	84	79	82	69	66	68	67	57	62
5	---	---	---	80	76	78	71	68	69	61	56	59
6	---	---	---	76	73	75	71	69	70	62	56	58
7	95	92	93	74	70	72	72	70	71	61	57	59
8	93	89	90	71	68	69	72	70	71	61	57	59
9	89	86	88	70	67	68	72	69	70	60	56	57
10	89	86	87	72	69	71	69	66	68	59	54	56
11	91	87	89	76	72	74	68	64	65	56	51	54
12	91	89	90	79	76	78	66	64	65	54	51	52
13	90	88	89	79	77	78	---	---	---	53	49	51
14	89	87	88	80	78	79	---	---	---	53	50	51
15	89	87	88	80	78	79	---	---	---	57	52	55
16	88	86	87	79	76	78	---	---	---	61	56	58
17	88	85	87	77	75	76	---	---	---	64	60	62
18	89	86	88	76	75	75	---	---	---	66	61	64
19	91	88	89	78	75	76	---	---	---	67	63	66
20	91	89	90	80	77	78	68	65	66	67	61	64
21	90	88	89	80	78	79	66	62	64	62	58	60
22	88	85	87	79	76	77	63	61	62	60	55	58
23	86	83	84	77	75	76	63	60	62	61	55	58
24	84	82	83	79	76	77	64	61	62	58	52	56
25	84	81	83	80	77	78	63	61	62	56	49	54
26	84	81	83	81	79	80	64	61	63	54	48	52
27	87	83	85	80	77	78	---	---	---	57	50	54
28	88	86	87	78	75	77	---	---	---	60	53	57
29	89	86	88	77	72	74	---	---	---	58	53	57
30	---	---	---	73	70	71	---	---	---	59	55	57
31	---	---	---	72	70	71	---	---	---	58	54	57
MONTH	---	---	---	90	67	77	---	---	---	73	48	58

CAPE FEAR RIVER BASIN

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	58	52	56	72	68	70	65	61	63	63	56	59
2	58	52	56	70	65	68	63	59	61	60	55	58
3	57	52	55	73	69	71	66	59	63	58	54	55
4	60	51	55	73	71	72	66	60	63	57	55	56
5	61	57	59	73	70	71	63	57	60	57	55	56
6	61	57	59	71	68	69	62	61	62	58	55	56
7	63	59	61	69	64	66	65	61	63	60	56	58
8	65	62	64	64	62	63	67	64	66	59	57	59
9	65	62	64	63	60	62	69	66	68	63	59	61
10	70	59	63	64	59	61	70	68	69	61	56	59
11	65	61	63	66	60	63	68	64	67	58	54	56
12	65	61	63	64	61	63	66	62	64	58	54	56
13	66	62	64	61	55	59	70	62	68	58	55	57
14	68	62	65	61	56	59	70	66	68	59	55	57
15	73	64	69	61	53	57	69	61	66	59	55	57
16	74	69	71	56	53	55	61	55	59	58	54	56
17	72	68	69	64	53	57	55	50	53	57	53	55
18	71	67	69	63	57	60	51	48	49	58	54	56
19	72	69	70	59	54	56	49	44	46	60	56	58
20	70	68	69	57	50	54	44	41	42	63	57	61
21	71	67	68	56	50	52	42	40	41	67	61	64
22	71	67	69	53	45	50	41	38	39	71	65	68
23	70	67	69	54	44	50	38	35	37	72	68	70
24	70	67	68	56	45	52	38	35	37	70	68	69
25	68	65	67	63	55	58	39	36	37	69	66	68
26	67	64	65	62	56	60	46	39	42	67	64	65
27	68	65	67	62	57	59	51	45	48	65	62	64
28	71	67	69	62	55	58	57	51	55	63	61	63
29	73	69	72	63	56	59	61	55	58	62	60	61
30	72	65	70	66	58	61	64	59	61	61	59	60
31	---	---	---	66	60	62	64	57	61	---	---	---
MONTH	74	51	65	73	44	61	70	35	56	72	53	60

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	61	59	60	63	59	61	82	78	80	---	---	---
2	62	59	61	61	57	58	84	81	82	---	---	---
3	63	61	62	57	53	56	---	---	---	---	---	---
4	63	62	63	54	49	52	---	---	---	---	---	---
5	64	61	63	56	50	53	---	---	---	---	---	---
6	65	62	63	54	52	53	---	---	---	---	---	---
7	---	---	---	57	51	55	---	---	---	---	---	---
8	72	66	68	60	55	58	---	---	---	---	---	---
9	71	66	68	65	57	61	---	---	---	---	---	---
10	70	64	67	67	62	65	---	---	---	---	---	---
11	69	61	65	68	63	66	---	---	---	---	---	---
12	67	58	63	71	65	68	---	---	---	---	---	---
13	63	56	59	78	68	73	---	---	---	---	---	---
14	60	51	56	79	76	78	---	---	---	---	---	---
15	58	52	55	81	77	79	---	---	---	---	---	---
16	59	53	56	87	80	84	---	---	---	---	---	---
17	60	55	57	93	87	90	---	---	---	---	---	---
18	65	58	61	94	91	92	---	---	---	---	---	---
19	66	61	64	94	90	92	---	---	---	---	---	---
20	67	62	65	91	86	89	---	---	---	---	---	---
21	65	58	61	87	81	84	---	---	---	---	---	---
22	59	56	58	82	75	79	---	---	---	---	---	---
23	58	56	57	77	71	74	---	---	---	---	---	---
24	58	55	56	72	66	69	---	---	---	---	---	---
25	58	56	57	68	65	67	---	---	---	---	---	---
26	59	56	57	68	63	66	---	---	---	---	---	---
27	60	58	59	70	66	68	---	---	---	---	---	---
28	61	59	60	76	69	72	---	---	---	---	---	---
29	63	60	61	80	76	78	---	---	---	---	---	---
30	62	59	61	81	78	79	---	---	---	---	---	---
31	62	59	61	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	94	49	71	---	---	---	---	---	---