

WACCAMAW RIVER BASIN

02110755 AIW AT BRIARCLIFFE ACRES AT NORTH MYRTLE BEACH, SC

WATER-QUALITY RECORDS

LOCATION.--Lat 33°47'54'', long 78°45'12'', Horry County, Hydrologic Unit 03040207, on right bank of Atlantic Intracoastal Waterway, at Briarcliffe Marina, 12.3 mi upstream from the junction of Little River Inlet and at AIW mile 354.1.

PERIOD OF RECORD.--Water years 1984 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1983 to current year.

pH: April 1986 to September 1989 (discontinued).

WATER TEMPERATURE: April 1986 to September 1989 (discontinued).

DISSOLVED OXYGEN: September 1986 to September 1989 (discontinued).

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

REMARKS.--Specific conductance records rated excellent except for Oct. 1, 2, Dec. 24 to Feb. 13, which are good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 39,200 microsiemens, Sep. 22, 1989; minimum, 50 microsiemens, Sep. 15, 1996.

pH: Maximum 9.2 units, Aug. 13, 1987; minimum, 5.3 units, Sep. 26, 1986.

WATER TEMPERATURE: Maximum, 33.5°C, Jul. 31, 1988; minimum, 2.0°C, Jan. 16, 1988.

DISSOLVED OXYGEN: Maximum, 11.4 mg/L, Jan. 19, 1988; minimum, 2.2 mg/L, Sep. 30, 1989.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 11,500 microsiemens, June 6; minimum, 82 microsiemens, Sep. 29.

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

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	135	111	124	161	127	141	150	111	125	175	99	107
2	---	---	---	149	115	131	162	114	129	126	98	105
3	---	---	---	138	112	123	153	114	127	122	97	104
4	---	---	---	138	113	124	139	115	128	125	97	105
5	---	---	---	146	115	126	144	112	128	117	97	105
6	---	---	---	149	116	128	144	111	124	134	96	108
7	149	113	128	144	119	131	141	114	126	135	99	110
8	256	121	143	147	120	133	138	113	125	122	100	111
9	184	120	138	139	117	127	139	114	125	138	100	113
10	165	138	148	139	107	119	226	111	138	118	98	109
11	175	148	160	126	99	109	155	111	128	113	99	107
12	181	140	158	121	95	106	147	120	132	129	96	105
13	171	131	148	130	96	108	142	122	133	153	95	108
14	165	120	139	153	98	112	200	129	150	137	97	110
15	150	110	124	139	101	114	173	124	135	152	101	115
16	139	110	126	133	100	113	142	121	131	154	101	118
17	138	111	122	162	101	114	174	124	136	154	100	115
18	137	110	123	136	102	116	171	118	131	163	100	120
19	152	113	126	185	108	128	151	123	133	146	96	114
20	144	119	130	164	109	127	194	123	137	186	101	132
21	148	120	133	164	115	138	162	124	137	241	105	149
22	174	123	140	158	116	136	143	118	131	247	107	149
23	179	128	149	167	109	132	162	115	130	241	107	140
24	179	133	156	182	106	135	174	111	131	158	112	132
25	174	133	153	161	101	128	144	108	120	456	115	186
26	199	123	149	176	104	132	124	106	116	425	117	165
27	207	120	157	150	104	123	122	104	113	439	117	172
28	266	122	170	137	103	116	117	102	110	369	123	183
29	203	128	156	143	100	114	136	99	109	348	122	185
30	166	137	151	142	106	121	140	99	107	235	121	144
31	166	136	152	---	---	---	172	95	106	307	122	144
MONTH	---	---	---	185	95	124	226	95	127	456	95	128

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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	314	117	132	308	95	129	147	113	127	219	173	191
2	136	114	125	159	94	115	152	117	135	349	159	203
3	182	117	136	202	97	121	170	125	146	326	162	207
4	287	118	147	139	98	113	166	128	145	428	164	208
5	300	123	150	128	97	112	190	130	148	495	174	227
6	170	129	144	141	95	110	270	131	159	482	178	232
7	168	124	139	199	94	115	300	128	172	405	179	230
8	214	122	146	153	94	113	285	128	184	357	168	220
9	252	125	146	156	95	113	508	136	221	294	157	203
10	184	119	143	144	97	117	701	138	284	221	164	180
11	322	113	152	135	97	113	200	125	160	218	164	180
12	202	119	136	138	98	113	165	127	146	231	166	181
13	200	126	142	132	96	110	274	128	162	212	171	184
14	281	119	147	189	92	114	205	128	154	206	165	184
15	160	118	131	161	92	109	220	140	169	238	159	187
16	143	118	129	181	97	125	233	156	185	214	156	177
17	180	113	131	197	104	124	207	153	177	214	159	180
18	151	114	130	274	110	142	213	144	169	311	176	200
19	249	108	130	165	105	121	268	139	167	322	193	219
20	172	106	123	175	106	124	279	150	182	317	194	228
21	157	99	116	146	102	116	226	143	172	286	192	227
22	261	96	115	124	102	113	204	145	168	303	190	230
23	250	95	111	144	103	116	296	146	166	247	178	214
24	267	94	118	146	105	116	239	151	175	236	176	199
25	111	93	101	202	109	128	220	156	177	230	171	195
26	132	94	109	258	115	146	240	152	175	237	175	200
27	163	98	117	165	115	130	216	153	181	236	176	203
28	329	100	169	220	117	134	222	155	178	232	178	204
29	310	102	145	143	120	132	220	170	182	526	179	250
30	---	---	---	142	118	129	220	171	188	1380	192	453
31	---	---	---	149	114	129	---	---	---	719	187	329
MONTH	329	93	133	308	92	121	701	113	172	1380	156	217

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	3910	193	727	1180	206	375	9700	275	2560	197	123	149
2	8290	222	1420	1160	204	387	4150	261	1050	210	133	160
3	10900	239	2010	811	218	352	2240	216	736	231	130	157
4	11000	275	2250	822	215	353	397	200	273	258	120	153
5	10200	281	2260	674	211	348	282	188	235	311	115	146
6	11500	315	2880	423	206	277	258	184	212	157	110	120
7	8800	277	2140	332	207	253	222	181	200	123	105	114
8	3180	257	979	248	204	231	227	180	196	136	107	122
9	861	236	478	448	202	251	269	173	195	---	---	---
10	481	233	357	248	190	215	226	174	195	---	---	---
11	348	210	285	228	191	209	261	178	202	---	---	---
12	950	197	366	232	189	209	220	181	200	---	---	---
13	675	209	382	240	182	208	210	163	189	---	---	---
14	454	187	254	258	180	207	210	164	186	---	---	---
15	297	178	220	470	187	234	202	160	178	---	---	---
16	291	179	210	471	190	257	201	171	186	---	---	---
17	398	189	232	390	186	223	192	159	175	---	---	---
18	746	189	264	245	180	203	202	152	175	---	---	---
19	1890	199	360	251	179	205	172	122	151	---	---	---
20	2060	203	506	225	180	201	164	122	135	---	---	---
21	1130	205	404	227	191	207	165	122	136	---	---	---
22	299	192	234	248	200	217	200	127	146	---	---	---
23	247	186	211	244	202	224	187	132	153	---	---	---
24	245	194	214	247	198	223	172	142	155	---	---	---
25	264	197	232	262	195	222	193	130	151	---	---	---
26	237	203	221	340	193	244	175	127	144	---	---	---
27	382	201	254	528	193	285	245	124	146	---	---	---
28	279	201	233	894	198	358	181	125	145	---	---	---
29	501	196	267	1960	210	545	186	130	152	---	---	---
30	847	208	333	6810	222	1310	212	125	154	149	84	98
31	---	---	---	9700	266	2430	169	122	143	---	---	---
MONTH	11500	178	706	9700	179	370	9700	122	299	---	---	---