

WACCAMAW RIVER BASIN

02110755 AIW AT BRIARCLIFFE ACRES AT NORTH MYRTLE BEACH, SC

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. 11-26, 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, 6,890 microsiemens, Sep. 13; minimum, 86 microsiemens, Oct. 1, 11, 13.

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	256	86	155	165	137	152	159	139	149	140	124	131			
2	458	178	333	183	134	156	158	135	146	141	123	130			
3	270	94	154	185	138	159	152	134	144	136	123	129			
4	266	95	149	202	141	166	147	133	140	134	123	127			
5	191	106	126	195	132	162	145	132	139	135	124	128			
6	447	94	200	187	143	162	149	137	142	140	124	131			
7	622	135	399	195	137	167	159	136	144	147	126	135			
8	441	103	204	205	138	167	176	139	151	191	129	146			
9	584	96	414	206	145	173	161	141	151	196	130	149			
10	189	89	109	201	133	161	181	142	156	214	134	151			
11	191	86	102	167	130	145	181	143	156	198	131	150			
12	285	87	115	303	130	167	383	146	180	200	132	149			
13	405	86	115	220	132	152	268	151	173	262	135	160			
14	196	88	107	273	139	171	256	148	168	168	140	150			
15	265	87	139	---	---	---	200	142	160	159	142	149			
16	137	94	113	---	---	---	166	139	152	158	147	153			
17	192	105	137	---	---	---	156	133	144	169	140	154			
18	298	102	157	191	146	160	145	129	137	154	133	143			
19	207	108	153	191	149	169	139	129	134	147	125	135			
20	289	133	186	---	---	---	138	127	132	134	120	127			
21	309	180	218	---	---	---	142	130	136	132	118	125			
22	544	141	253	---	---	---	140	127	134	131	119	124			
23	555	246	403	222	147	169	141	127	133	121	115	118			
24	280	107	127	178	144	161	139	123	132	129	117	122			
25	281	104	142	172	139	153	145	127	135	139	117	123			
26	145	107	124	172	134	151	151	131	139	129	117	122			
27	139	117	129	206	137	158	143	129	136	126	117	121			
28	144	124	134	167	139	151	148	131	139	126	116	120			
29	150	126	139	160	141	149	147	132	139	124	114	118			
30	169	127	148	166	143	154	153	127	136	123	114	118			
31	164	135	150	---	---	---	142	126	134	122	114	118			
MONTH	622	86	179	---	---	---	383	123	145	262	114	134			

WACCAMAW RIVER BASIN

02110755 AIW AT BRIARCLIFFE ACRES AT NORTH MYRTLE BEACH, SC--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
	FEBRUARY			MARCH			APRIL			MAY		
1	125	116	121	144	130	137	137	116	125	137	113	125
2	127	116	122	154	131	136	---	---	---	147	115	134
3	129	116	122	144	133	137	---	---	---	156	124	141
4	131	116	123	153	130	138	---	---	---	158	126	145
5	138	122	130	140	129	133	146	117	128	160	125	144
6	141	128	133	142	127	133	147	114	127	153	124	140
7	139	124	129	140	127	131	140	113	122	168	128	141
8	140	121	127	143	126	131	136	111	124	188	140	153
9	135	119	124	140	125	131	139	113	123	194	144	161
10	138	117	124	138	126	130	134	108	120	186	145	163
11	133	117	124	135	124	128	122	102	112	175	139	158
12	132	121	126	131	121	126	130	102	111	168	140	156
13	130	122	125	132	122	126	119	100	109	171	142	161
14	130	121	124	134	123	127	114	102	108	182	149	165
15	130	120	125	133	124	128	121	103	109	170	132	155
16	150	126	133	132	122	127	126	103	112	166	134	150
17	159	132	148	138	122	131	130	104	114	176	148	161
18	158	132	143	142	132	137	114	100	106	196	162	176
19	143	130	136	148	131	137	124	100	109	201	173	185
20	140	129	133	136	121	130	130	104	113	203	171	189
21	142	127	132	126	119	122	131	106	117	948	168	272
22	144	127	134	131	119	124	137	107	117	410	171	226
23	150	131	140	139	123	129	132	108	118	308	160	197
24	155	142	146	142	126	133	118	107	112	683	173	235
25	153	135	143	149	132	138	122	106	113	766	182	254
26	151	136	143	145	130	136	120	108	113	963	179	307
27	148	131	139	142	132	136	124	108	117	351	161	221
28	187	136	150	---	---	---	132	110	120	241	150	185
29	---	---	---	---	---	---	138	113	125	191	148	168
30	---	---	---	---	---	---	138	111	125	187	152	171
31	---	---	---	137	119	128	---	---	---	186	155	171
MONTH	187	116	132	---	---	---	---	---	---	963	113	178

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	201	157	178	196	145	165	178	144	159	171	145	154
2	190	163	180	185	143	164	195	152	164	169	152	160
3	187	159	175	179	136	160	177	151	166	191	153	165
4	180	156	168	167	127	148	174	145	159	182	156	170
5	173	154	162	150	120	132	169	140	156	182	156	170
6	170	150	162	138	119	128	166	136	153	191	157	176
7	170	141	156	144	121	131	163	135	148	188	159	176
8	160	126	143	146	121	135	158	135	148	187	158	175
9	146	122	133	148	127	138	152	135	143	183	157	173
10	148	122	133	152	138	145	155	139	148	185	151	168
11	149	125	135	160	135	148	160	144	151	205	151	169
12	143	125	134	180	134	151	162	145	153	525	154	224
13	137	123	131	161	135	148	161	136	149	6890	179	1180
14	138	123	130	168	137	153	155	129	142	1370	199	554
15	---	---	---	163	136	149	152	126	138	373	193	273
16	---	---	---	160	134	147	163	130	141	608	263	340
17	159	124	139	158	133	143	214	135	153	478	271	334
18	162	123	142	166	134	145	248	140	167	451	252	311
19	205	120	144	182	134	148	223	141	166	317	243	276
20	176	114	139	238	131	155	206	142	161	290	233	263
21	176	112	133	584	137	186	177	142	159	274	229	252
22	188	114	134	578	148	212	171	141	158	275	207	242
23	653	120	158	544	153	224	167	140	155	247	196	224
24	791	136	244	563	159	241	161	140	151	234	188	214
25	1050	145	313	298	149	199	169	146	156	241	181	211
26	312	133	197	195	145	171	179	155	169	227	181	210
27	191	131	159	186	145	165	183	154	168	214	160	191
28	183	134	159	181	141	164	160	147	154	225	173	198
29	184	139	165	205	144	168	164	149	157	208	160	190
30	204	136	164	187	147	169	162	152	158	214	165	187
31	---	---	---	177	142	160	159	142	152	---	---	---
MONTH	---	---	---	584	119	161	248	126	155	6890	145	258