

WACCAMAW RIVER BASIN

02110809 WACCAMAW RIVER AT WACHESAW LANDING NEAR MURRELLS INLET, SC

WATER-QUALITY RECORDS

LOCATION.--Lat 33°33'43'', long 79°05'10'', Georgetown County, Hydrologic Unit 03040206, near left bank at Wachesaw landing, 0.2 midstream of Collins Creek, 3.0 mi west of Murrells Inlet, and at mile 18.0.

PERIOD OF RECORD.--March 1986 to September 1989, July 2002 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1986 to September 1989, July 2002 to current year.

pH: March 1986 to September 1989 (discontinued).

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

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

INSTRUMENTATION.--Water-quality multiprobe and data collection platform. Prior to September 30, 1989, USGS mini-monitor at same location.

REMARKS.--Specific conductance records rated excellent except for Aug. 20 to Sep. 16, which are good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 7,640 microsiemens, Aug. 9, 2002; minimum, 40 microsiemens, several days in March 1987.

pH: Maximum, 7.6 units, Aug. 24, Oct. 13, 14, 1987; minimum, 5.1 units, several days in July 1986.

WATER TEMPERATURE: Maximum, 31.5°C, July 20, 21, 1986; minimum, 3.5°C, Jan. 16, 17, 1988.

DISSOLVED OXYGEN: Maximum, 12.1 mg/L, Jan. 20, 1988; minimum, 2.6 mg/L, Sep. 17, 18, 1987.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 157 microsiemens, Sep. 30; minimum, 81 microsiemens, Oct. 3, 4, 10, 11.

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	98	91	93	122	113	117	106	100	103	108	101	103
2	98	88	92	123	115	119	112	100	103	107	100	101
3	94	81	86	128	118	120	110	104	106	104	99	100
4	94	81	86	128	121	124	110	102	104	103	98	99
5	89	82	85	136	126	128	108	101	102	106	98	100
6	90	83	86	134	128	131	109	101	104	104	99	100
7	89	84	85	131	123	127	109	103	104	---	---	---
8	90	83	84	128	121	123	106	101	103	101	97	99
9	89	82	84	127	122	123	105	100	101	101	97	99
10	89	81	83	124	119	122	103	99	101	---	---	---
11	88	81	83	123	118	119	105	98	100	---	---	---
12	88	82	84	123	117	118	104	100	102	---	---	---
13	91	84	86	122	116	118	119	104	109	---	---	---
14	91	86	89	125	119	122	123	115	120	---	---	---
15	97	89	91	127	124	125	120	105	111	107	94	99
16	96	87	91	127	122	124	109	105	107	117	103	109
17	102	87	93	124	121	122	107	102	104	118	107	113
18	105	97	100	124	119	120	105	101	102	117	102	111
19	106	99	101	128	119	122	105	101	102	103	96	98
20	106	100	101	141	127	133	108	103	105	100	95	96
21	108	101	104	138	127	132	112	105	107	97	93	95
22	113	107	109	130	118	123	110	106	107	96	93	94
23	115	109	110	123	116	118	108	102	104	101	93	95
24	111	108	109	127	119	122	107	102	103	96	93	94
25	112	109	110	127	120	123	107	102	104	97	93	94
26	113	109	111	126	113	116	107	102	103	96	93	93
27	113	109	110	116	111	113	107	102	105	97	92	94
28	112	107	109	117	109	111	106	102	103	97	93	94
29	115	109	112	114	105	109	109	102	104	98	94	95
30	123	115	119	112	102	105	109	101	103	96	94	95
31	130	115	121	---	---	---	105	101	102	98	94	96
MONTH	130	81	97	141	102	121	123	98	104	---	---	---

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02110809 WACCAMAW RIVER AT WACHESAW LANDING NEAR MURRELLS INLET, 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	101	97	99	111	102	106	112	94	100	111	102	106
2	101	98	99	107	102	104	104	95	98	110	103	106
3	99	96	97	107	102	104	104	90	95	116	106	109
4	100	95	97	109	103	104	98	89	91	115	107	110
5	99	95	96	112	104	106	93	88	90	110	104	106
6	98	95	96	109	103	106	94	88	90	111	101	104
7	98	95	97	105	100	102	97	88	90	111	103	106
8	100	96	98	105	97	101	103	88	92	110	103	107
9	100	95	97	99	96	97	95	88	90	115	103	107
10	98	95	97	100	96	97	99	89	91	110	105	107
11	101	96	98	99	96	97	101	90	92	109	105	106
12	110	100	105	102	96	98	98	91	92	112	105	106
13	115	109	112	102	98	99	97	91	93	118	105	112
14	116	110	113	103	98	100	102	92	97	125	113	119
15	112	103	107	104	99	100	107	92	97	126	115	122
16	104	100	102	104	99	101	106	91	96	118	113	115
17	108	100	103	107	98	100	107	94	98	116	112	113
18	121	105	112	103	98	99	106	93	98	121	112	114
19	133	115	120	104	99	100	100	92	95	116	112	113
20	123	113	118	104	98	100	101	91	93	116	112	114
21	118	110	113	103	96	98	96	90	91	130	116	122
22	114	107	110	105	96	98	98	91	93	134	120	129
23	112	105	108	101	95	97	102	92	94	134	127	130
24	116	107	110	100	95	97	101	93	96	131	127	128
25	118	109	113	100	90	94	103	94	97	130	125	127
26	112	107	109	104	91	97	103	94	96	129	124	126
27	113	108	110	108	93	99	102	93	96	127	121	124
28	114	106	109	115	90	100	104	92	97	129	121	124
29	---	---	---	109	91	96	99	92	96	127	121	124
30	---	---	---	103	92	96	111	96	103	125	120	122
31	---	---	---	104	91	97	---	---	---	125	120	122
MONTH	133	95	105	115	90	100	112	88	95	134	101	115

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	129	120	123	125	120	122	127	120	123	117	112	114
2	132	119	126	137	123	132	126	119	123	121	114	117
3	128	117	123	135	121	126	130	118	123	127	117	123
4	124	112	117	124	107	115	124	113	118	131	123	128
5	126	112	119	114	105	109	118	101	109	130	126	128
6	122	108	114	109	99	105	108	101	104	131	127	129
7	118	99	109	108	101	103	111	104	106	130	127	129
8	110	96	102	107	99	103	109	99	104	131	125	128
9	111	94	97	105	97	101	106	98	102	130	126	128
10	106	95	99	113	99	107	105	99	102	130	124	127
11	108	97	103	120	111	115	105	99	102	129	125	127
12	116	105	111	120	112	116	107	99	103	130	125	128
13	116	108	112	115	106	111	111	100	106	140	127	131
14	114	105	107	109	103	106	113	105	109	137	127	134
15	110	103	105	106	100	103	111	102	107	132	117	126
16	106	100	102	107	101	103	109	102	106	138	123	127
17	108	100	103	107	103	105	109	102	105	138	128	133
18	115	106	110	108	103	106	111	102	106	149	135	142
19	119	112	115	112	105	109	112	104	108	151	142	147
20	117	111	114	117	110	113	113	104	109	152	136	146
21	119	112	116	115	109	112	114	107	111	149	131	140
22	119	108	114	120	111	114	114	105	110	144	131	137
23	117	104	110	123	114	118	109	103	106	140	129	135
24	114	107	109	123	119	120	106	99	103	137	130	134
25	116	107	111	124	118	121	106	97	102	142	134	137
26	121	112	116	123	117	120	107	100	103	148	139	143
27	128	118	123	122	116	118	112	107	110	152	144	148
28	132	125	129	121	116	118	116	106	111	153	144	149
29	131	126	128	120	115	118	114	108	111	154	148	150
30	128	120	125	125	118	121	117	110	113	157	146	152
31	---	---	---	130	121	125	119	110	115	---	---	---
MONTH	132	94	113	137	97	113	130	97	109	157	112	134