Water-Data Report 2011

02110500 WACCAMAW RIVER NEAR LONGS, SC

Lower Pee Dee Basin
Waccamaw Subbasin

LOCATION.--Lat 33°54′45″, long 78°42′55″ referenced to North American Datum of 1927, Horry County, SC, Hydrologic Unit 03040206, on the upstream side of the upstream bridge on State Highway 9, 500 ft downstream from Buck Creek, 2.1 mi southeast of Longs, and at river mile 85.4.

DRAINAGE AREA.--1,110 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--March 1950 to current year.

GAGE.--Data collection platform. Datum of gage is 5.28 ft above NGVD of 1929 (levels by Corps of Engineers). Prior to Aug. 11, 1967, nonrecording gage at same site and datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 02110500, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/02110500.2011.pdf

02110500 WACCAMAW RIVER NEAR LONGS, SC—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,280	612	114	400	436	1,460	793	282	56	13	39	683
2	1,400	596	110	402	469	1,370	813	292	50	13	37	789
3	1,640	572	106	401	514	1,250	824	294	45	13	31	855
4	1,890	566	105	397	681	1,140	841	286	40	13	27	887
5	2,120	583	106	389	1,260	1,070	899	269	36	13	27	888
6	2,210	566	106	383	1,560	1,020	957	250	33	13	44	880
7	2,230	546	105	374	1,790	982	971	241	31	12	71	869
8	2,190	534	103	362	2,270	934	976	221	28	12	56	843
9	2,130	529	99	347	2,650	890	971	205	26	e12	47	810
10	2,060	525	94	333	2,900	860	1,040	201	24	e11	42	770
11	1,970	519	101	329	3,020	837	1,040	240	21	e10	37	726
12	1,870	505	142	322	3,030	813	1,020	285	20	e10	32	675
13	1,760	484	178	313	2,990	795	995	288	20	e9.4	58	618
14	1,640	457	193	307	2,950	778	964	290	20	e8.3	60	557
15	1,530	426	204	306	2,920	764	928	298	18	e7.3	47	499
16	1,410	391	218	303	2,880	752	886	301	17	e6.8	40	452
17	1,300	354	232	298	2,850	735	847	302	17	e6.1	38	414
18	1,180	316	248	296	2,790	715	792	296	17	e5.7	43	391
19	1,070	282	291	297	2,710	690	739	278	17	e5.6	45	379
20	985	253	315	301	2,570	659	686	254	16	4.5	41	374
21	893	229	320	305	2,440	628	624	228	16	4.3	43	380
22	797	208	323	304	2,280	594	559	205	15	4.3	177	422
23	708	189	322	302	2,130	554	500	185	15	4.5	163	490
24	621	173	315	298	1,990	506	439	166	29	5.6	134	574
25	547	160	305	299	1,880	460	385	147	16	8.6	167	636
26	498	149	327	340	1,760	418	347	127	15	34	198	681
27	440	138	380	375	1,620	408	340	109	14	32	473	730
28	445	127	387	390	1,500	424	312	95	14	31	489	772
29	578	118	391	403	---	457	286	83	14	34	461	797
30	610	112	395	413	---	485	277	73	13	36	502	774
31	618	---	399	424	---	726	---	63	---	37	574	---
Total	40,620	11,219	7,034	10,713	58,840	24,174	22,051	6,854	713	430.0	4,243	19,615
Mean	1,310	374	227	346	2,101	780	735	221	23.8	13.9	137	654
Max	2,230	612	399	424	3,030	1,460	1,040	302	56	37	574	888
Min	440	112	94	296	436	408	277	63	13	4.3	27	374
Cfsm	1.18	0.34	0.20	0.31	1.89	0.70	0.66	0.20	0.02	0.01	0.12	0.59
In.	1.36	0.38	0.24	0.36	1.97	0.81	0.74	0.23	0.02	0.01	0.14	0.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2011, BY WATER YEAR (WY)

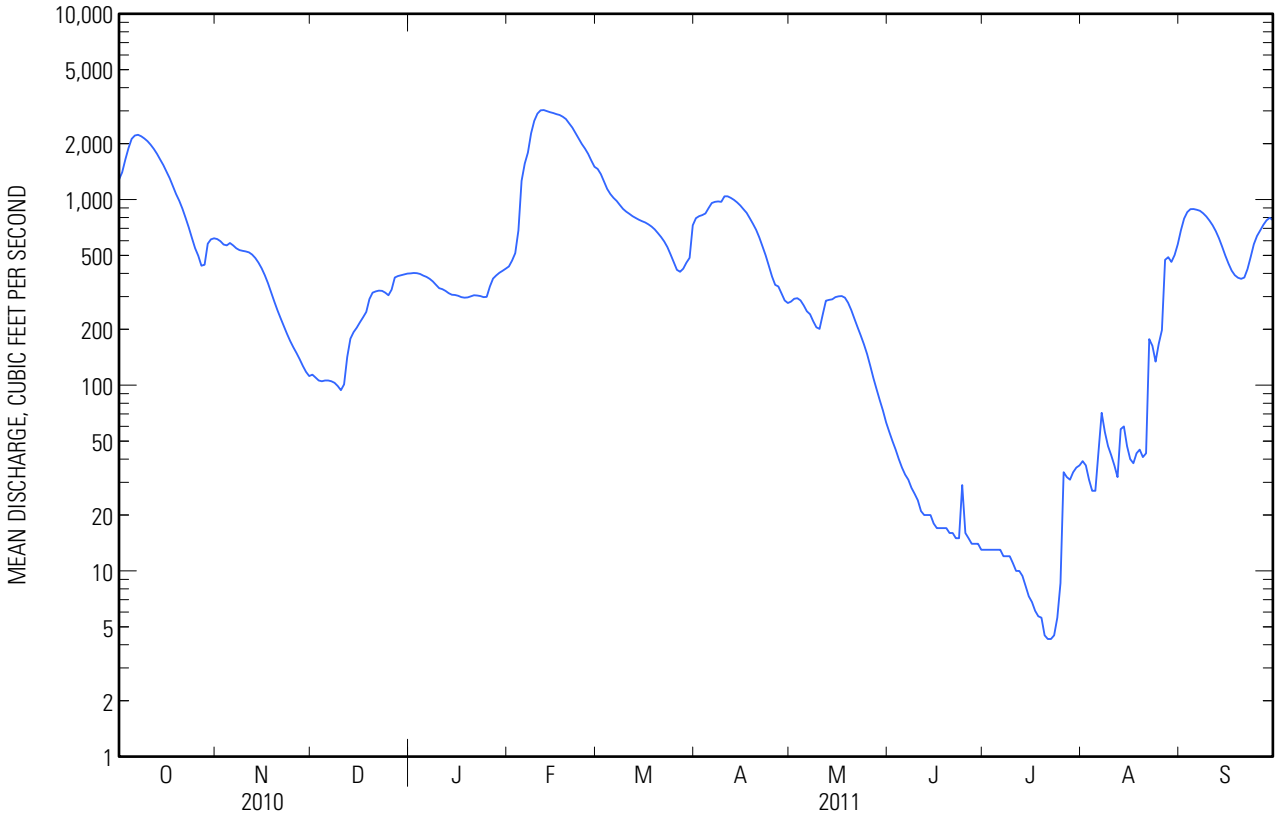
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,012	635	853	1,708	2,221	2,357	1,628	647	542	720	1,012	1,356
Max	10,080	3,096	3,363	6,330	9,142	7,748	5,072	5,441	2,422	6,191	5,643	11,810
(WY)	(2000)	(2000)	(2007)	(1993)	(1998)	(1983)	(1958)	(1999)	(1969)	(1961)	(1981)	(1999)
Min	5.13	6.20	9.11	62.1	260	363	186	28.6	14.8	13.2	14.5	3.70
(WY)	(1984)	(1984)	(2008)	(2008)	(1989)	(1955)	(2002)	(2002)	(2002)	(1952)	(1954)	(1954)

02110500 WACCAMAW RIVER NEAR LONGS, SC—Continued

SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1950 - 2011	
Annual total	334,240		206,506.0			
Annual mean	916		566		1,219	
Highest annual mean					2,457	1999
Lowest annual mean					172	2002
Highest daily mean	4,210	Feb 7	3,030	Feb 12	28,100	Sep 23, 1999
Lowest daily mean	11	Sep 21[a]	4.3	Jul 21[b]	1.0	Oct 14, 1954
Annual seven-day minimum	11	Sep 19	4.9	Jul 18	2.0	Sep 7, 1954
Maximum peak flow			3,040	Feb 11[c]	28,200	Sep 22, 1999
Maximum peak stage			10.59	Feb 11[c]	17.94	Sep 22, 1999
Instantaneous low flow					1.0	Oct 14, 1954
Annual runoff (cfsm)	0.825		0.510		1.10	
Annual runoff (inches)	11.20		6.92		14.92	
10 percent exceeds	2,770		1,480		3,040	
50 percent exceeds	382		374		679	
90 percent exceeds	34		17		50	

[a] Also occurred Sep. 22-25.
[b] Also occurred July 22.
[c] Also occurred Feb. 12.



02110500 WACCAMAW RIVER NEAR LONGS, SC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 2007 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 2007 to current year.
pH: April 2007 to current year.
TEMPERATURE: April 2007 to current year.
DISSOLVED OXYGEN: April 2007 to current year.
TURBIDITY: April 2007 to current year.

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

REMARKS.--Specific conductance records rated excellent except for Sep. 1-28, which are good. pH records rated excellent except for Dec. 17 to Feb. 1, which are good, and Feb. 3-17, July 27 to Aug. 11, Sep. 1-28, which are fair. Temperature records rated excellent. Dissolved oxygen records rated excellent except for Oct. 1-4, Apr. 20 to May 3, May 25 to June 14, June 25 to July 5, and July 6-14, which are poor. Turbidity records rated good except for Dec. 17 to Feb. 17, May 13-24, which are fair, and Oct. 1-28, Feb. 18 to Apr. 28, May 25-27, June 25-27, July 27 to Aug. 7, Sep. 29, 30, which are poor. Prior to October 1, 2009 minimum threshold for Turbidity was <5 FNU which occurred many days in 2007-2009.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 626 microsiemens/cm, Sep. 23, 2007; minimum, 69 microsiemens/cm, May 30, 2010.
pH: Maximum, 8.7 standard units, Dec. 11, 2007; minimum 5.1 standard units, Apr. 18, 2008.
WATER TEMPERATURE: Maximum, 35.5°C, Aug. 10, 2007; minimum, 1.6°C, Jan. 11, 2010.
DISSOLVED OXYGEN: Maximum, 14.2 mg/L, Dec. 4, 2007; minimum, 2.6 mg/L, July 7, 8, 2009.
TURBIDITY: Maximum, 710 FNU, Nov. 11, 2009; minimum, <1 FNU, in October, February and July, 2011.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 803 microsiemens/cm, June 24; minimum, 82 microsiemens/cm, Feb. 14, 16.
pH: Maximum, 8.1 standard units, Aug. 4; minimum, 5.2 standard units, Oct. 15.
WATER TEMPERATURE: Maximum, 34.7°C, July 13; minimum, 2.8°C, Jan. 15.
DISSOLVED OXYGEN: Maximum, 11.8 mg/L, Jan. 15, 16, 17, 18, 19; minimum, 1.6 mg/L, July 22.
TURBIDITY: Maximum, 120 FNU, Aug. 22; minimum, <1 FNU, in October, February and July.

02110500 WACCAMAW RIVER NEAR LONGS, SC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	117	108	114	109	108	108	172	143	162	116	114	115
2	112	103	105	108	106	107	172	149	157	118	114	116
3	106	101	102	108	106	107	154	141	149	117	114	116
4	102	101	102	200	106	131	143	137	140	115	114	114
5	106	101	103	201	112	130	143	137	140	115	113	113
6	107	103	104	112	109	110	138	133	135	115	113	114
7	103	99	101	109	105	107	136	132	133	119	115	116
8	104	98	100	106	104	105	134	129	131	118	114	115
9	103	97	99	106	104	105	131	128	129	115	113	114
10	103	98	100	106	104	105	131	127	130	122	114	116
11	110	102	105	108	105	106	193	127	149	126	120	124
12	116	108	112	107	105	106	218	157	180	120	118	119
13	119	114	117	108	106	107	166	143	155	120	117	118
14	122	118	121	110	105	107	143	126	133	118	116	117
15	125	121	123	111	108	109	126	119	122	119	117	119
16	127	123	125	116	109	112	---	---	---	126	119	123
17	129	126	127	121	112	117	115	112	113	125	123	124
18	130	127	129	117	113	115	124	110	116	131	123	127
19	130	128	129	124	115	119	131	124	128	129	126	127
20	130	128	129	123	117	121	127	118	122	130	126	128
21	132	129	131	127	121	123	118	116	117	130	125	128
22	133	130	132	131	125	127	118	116	117	126	122	125
23	135	131	133	132	129	130	118	116	117	125	123	124
24	136	131	134	134	129	131	117	115	116	126	124	125
25	148	132	138	133	129	131	118	116	117	154	125	130
26	141	134	138	136	130	133	152	117	138	167	151	160
27	137	133	135	137	133	134	148	129	140	152	134	142
28	292	132	166	136	132	134	129	120	125	134	127	131
29	189	116	139	138	134	135	120	117	118	127	125	126
30	116	109	110	143	134	138	117	115	116	125	122	123
31	110	109	110	---	---	---	116	115	116	124	121	122
Month	292	97	120	201	104	118	---	---	---	167	113	123

02110500 WACCAMAW RIVER NEAR LONGS, SC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	122	120	121	113	90	106	124	114	120	118	114	116
2	176	120	149	107	95	100	114	106	110	116	113	115
3	145	125	132	96	92	94	106	102	104	117	111	115
4	189	123	145	94	92	93	102	97	99	116	109	113
5	132	104	115	95	93	94	141	97	115	117	113	115
6	111	105	107	106	94	98	114	97	103	136	115	121
7	107	96	100	107	102	105	97	94	95	169	136	161
8	105	89	97	103	95	98	96	94	95	160	131	144
9	90	85	87	97	95	96	104	91	95	131	123	127
10	89	83	86	103	96	99	151	103	120	131	115	124
11	90	84	86	102	100	102	103	97	99	146	123	132
12	89	83	85	102	97	99	98	95	97	180	133	155
13	87	83	84	100	94	97	98	95	97	141	124	133
14	87	82	84	99	95	97	98	95	96	128	119	124
15	89	83	85	---	---	---	---	---	---	129	118	125
16	90	82	85	99	97	98	101	93	96	119	108	114
17	92	84	87	99	96	97	112	101	108	112	107	110
18	94	85	88	99	97	98	108	97	102	112	107	110
19	93	86	88	100	97	98	107	96	98	113	107	110
20	96	87	89	101	98	99	104	99	101	117	112	114
21	96	87	90	104	99	101	109	103	105	117	113	114
22	95	87	90	105	101	103	113	105	107	123	114	118
23	94	89	92	107	103	105	128	113	124	128	121	124
24	94	89	91	110	102	106	127	114	119	134	128	131
25	97	89	92	112	106	108	117	113	115	134	130	132
26	98	91	94	116	110	113	183	106	126	132	125	129
27	96	90	93	162	112	142	196	134	161	136	127	131
28	96	90	92	176	139	157	134	125	128	142	136	140
29	---	---	---	154	122	134	127	121	124	154	141	148
30	---	---	---	192	120	137	121	117	119	157	152	155
31	---	---	---	152	119	127	---	---	---	159	151	155
Month	189	82	98	---	---	---	---	---	---	180	107	128

02110500 WACCAMAW RIVER NEAR LONGS, SC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	168	152	163	383	324	362	260	204	229	138	129	134
2	180	168	175	394	325	367	255	165	218	129	128	129
3	184	178	180	511	346	444	213	146	182	132	129	130
4	183	173	177	472	382	438	202	152	178	140	132	135
5	183	173	178	463	381	425	224	163	208	152	140	145
6	192	180	187	476	381	442	392	152	221	165	151	157
7	207	185	197	452	364	432	232	179	201	168	164	166
8	212	203	207	440	360	416	241	178	197	168	164	166
9	222	208	216	789	440	606	241	209	226	164	158	161
10	219	194	210	473	331	386	221	194	210	158	149	153
11	199	190	194	454	334	402	221	188	206	149	142	146
12	216	194	206	470	366	428	235	187	202	142	138	139
13	264	216	250	486	370	442	610	235	322	139	134	136
14	280	254	265	511	394	467	291	255	270	135	130	132
15	263	243	255	473	397	452	267	238	254	132	129	130
16	251	229	241	520	443	485	241	224	236	133	129	131
17	237	225	231	536	445	502	224	202	213	131	129	130
18	284	236	260	514	442	485	264	177	208	130	123	127
19	290	271	279	540	441	502	186	171	179	123	116	119
20	310	282	298	550	440	511	193	174	185	119	113	116
21	331	289	310	542	454	509	508	190	252	122	109	115
22	298	251	282	534	468	509	460	179	251	120	106	113
23	266	236	255	535	431	493	238	204	223	107	92	101
24	803	248	459	561	476	526	262	193	220	110	87	99
25	340	309	325	571	380	529	195	163	165	89	84	86
26	353	304	330	653	273	478	231	162	180	85	83	84
27	385	312	354	380	256	307	235	156	179	162	84	109
28	430	357	396	294	211	259	170	141	161	123	91	97
29	419	356	387	244	187	224	141	123	128	138	91	107
30	409	345	377	245	218	233	156	124	141	95	91	92
31	---	---	---	246	177	213	141	129	137	---	---	---
Month	803	152	261	789	177	428	610	123	206	168	83	126

02110500 WACCAMAW RIVER NEAR LONGS, SC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	6.7	6.4	5.9	5.8	6.6	6.5	6.5	6.5	6.9	6.9	6.2	5.7
2	6.4	6.1	5.9	5.9	6.6	6.5	6.5	6.5	---	---	6.2	5.9
3	6.1	6.0	5.9	5.8	6.5	6.5	6.5	6.5	7.0	6.8	5.9	5.9
4	---	---	6.7	5.9	6.5	6.5	6.5	6.5	7.4	6.8	5.9	5.9
5	5.7	5.6	6.8	6.1	6.5	6.5	6.5	6.5	7.2	6.8	6.0	5.9
6	5.7	5.5	6.1	6.0	6.5	6.5	6.5	6.5	6.8	6.6	6.2	6.0
7	5.6	5.5	6.0	6.0	6.6	6.5	6.5	6.5	6.6	6.4	6.2	6.1
8	5.7	5.5	6.1	6.0	6.6	6.5	6.5	6.5	6.7	6.4	6.2	6.0
9	5.6	5.5	6.1	6.1	6.5	6.5	6.5	6.5	6.4	6.2	6.1	6.0
10	5.6	5.4	6.1	6.1	6.6	6.5	6.7	6.5	6.3	6.2	6.2	6.0
11	5.5	5.4	6.2	6.1	7.0	6.5	6.7	6.7	6.3	6.3	6.2	6.1
12	5.5	5.3	6.2	6.0	7.0	6.7	6.7	6.6	6.3	6.2	6.2	6.1
13	5.4	5.3	6.1	6.0	6.9	6.8	6.7	6.7	6.4	6.2	6.1	6.0
14	5.4	5.3	6.1	6.0	6.8	6.7	6.7	6.7	6.2	6.0	6.1	6.1
15	5.4	5.2	6.2	6.1	6.7	6.6	6.8	6.7	6.2	6.0	---	---
16	5.4	5.3	6.2	6.1	---	---	6.9	6.8	6.1	5.9	6.1	6.1
17	5.4	5.3	6.2	6.2	6.4	6.4	6.9	6.8	6.0	5.6	6.1	6.0
18	5.4	5.3	6.2	6.2	6.6	6.3	6.9	6.8	5.9	5.6	6.1	6.0
19	5.3	5.3	6.3	6.2	6.6	6.6	6.9	6.9	5.8	5.6	6.1	6.0
20	5.4	5.3	6.3	6.2	6.6	6.5	6.9	6.9	5.9	5.6	6.1	6.1
21	5.5	5.4	6.3	6.3	6.5	6.4	6.9	6.8	5.8	5.6	6.2	6.1
22	5.6	5.5	6.3	6.3	6.5	6.4	6.9	6.8	5.9	5.6	6.1	6.1
23	5.7	5.5	6.3	6.3	6.4	6.4	6.9	6.8	5.8	5.7	6.2	6.1
24	5.7	5.6	6.3	6.3	6.4	6.4	6.9	6.8	5.9	5.7	6.2	6.1
25	6.0	5.6	6.3	6.3	6.4	6.4	7.2	6.8	5.9	5.6	6.2	6.1
26	5.9	5.7	6.3	6.3	6.8	6.4	7.3	7.2	5.9	5.7	6.2	6.2
27	5.7	5.7	6.4	6.3	6.8	6.6	7.2	7.1	5.9	5.7	6.6	6.2
28	6.8	5.7	6.4	6.4	6.6	6.5	7.1	7.0	5.8	5.7	6.7	6.5
29	6.5	6.1	6.5	6.4	6.6	6.5	7.0	7.0	---	---	6.6	6.4
30	6.1	6.0	6.5	6.4	6.6	6.5	7.0	6.9	---	---	6.9	6.4
31	6.0	5.8	---	---	6.5	6.5	6.9	6.9	---	---	6.7	6.4
Month	---	---	6.8	5.8	---	---	7.3	6.5	---	---	---	---

02110500 WACCAMAW RIVER NEAR LONGS, SC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	6.5	6.4	6.3	6.3	6.6	6.5	7.2	6.9	7.3	7.0	5.7	5.5
2	6.4	6.3	6.3	6.2	6.6	6.5	7.2	6.9	7.2	6.9	5.5	5.4
3	6.3	6.2	6.3	6.3	6.6	6.5	7.5	6.9	7.6	7.0	5.4	5.4
4	6.2	6.2	6.3	6.3	6.5	6.5	7.4	7.0	8.1	7.0	5.5	5.4
5	6.6	6.2	6.4	6.3	6.6	6.5	7.5	7.0	7.2	6.9	5.5	5.4
6	6.4	6.2	6.5	6.3	6.6	6.5	7.3	7.0	7.4	6.9	5.7	5.4
7	6.2	6.1	6.6	6.5	6.6	6.6	7.3	7.0	7.2	6.9	5.7	5.6
8	6.1	6.1	6.6	6.4	6.7	6.6	7.2	6.9	7.1	6.8	5.6	5.5
9	6.3	6.0	6.4	6.3	6.7	6.6	7.6	7.2	7.1	6.9	5.6	5.5
10	6.6	6.2	6.4	6.3	6.7	6.6	7.6	7.1	7.2	6.8	5.6	5.5
11	6.2	6.1	6.5	6.3	6.6	6.5	7.5	7.1	6.9	6.8	5.6	5.5
12	6.1	6.1	6.8	6.4	6.7	6.5	7.6	7.1	6.8	6.7	5.7	5.6
13	6.1	6.1	6.6	6.5	6.8	6.6	7.5	7.1	7.5	6.8	5.7	5.6
14	6.1	6.1	6.6	6.5	6.8	6.6	7.6	7.1	7.2	6.9	5.8	5.7
15	---	---	6.6	6.5	6.8	6.6	7.5	7.1	7.2	6.9	5.8	5.8
16	6.1	6.0	6.5	6.4	6.8	6.6	7.6	7.2	7.1	6.9	5.9	5.8
17	6.2	6.1	6.5	6.4	6.7	6.5	7.7	7.2	7.0	6.8	5.9	5.8
18	6.2	6.1	6.5	6.4	6.9	6.5	7.5	7.2	7.2	6.8	5.9	5.8
19	6.1	6.0	6.5	6.4	6.8	6.6	7.4	7.2	7.0	6.8	5.9	5.8
20	6.1	6.1	6.5	6.4	6.9	6.6	7.4	7.0	7.0	6.8	5.9	5.8
21	6.2	6.1	6.5	6.4	7.0	6.6	7.2	7.0	7.6	6.8	6.0	5.8
22	6.2	6.1	6.5	6.4	7.0	6.7	7.2	6.9	7.4	7.0	6.0	5.8
23	6.3	6.2	6.5	6.5	6.9	6.6	7.2	7.0	7.2	7.0	6.0	5.7
24	6.3	6.2	6.5	6.5	7.6	6.7	7.4	7.1	7.1	6.9	6.1	5.7
25	6.2	6.2	6.5	6.5	7.2	6.9	7.5	7.2	6.9	6.7	5.8	5.6
26	6.6	6.2	6.5	6.4	7.2	6.8	7.9	7.2	7.0	6.6	5.6	5.5
27	6.6	6.4	6.5	6.5	7.2	6.8	7.4	7.0	7.0	6.7	6.4	5.5
28	6.4	6.3	6.5	6.5	7.3	6.9	7.1	6.9	6.7	6.5	6.2	5.7
29	6.3	6.3	6.5	6.5	7.3	6.9	7.1	6.9	6.5	6.2	6.3	5.7
30	6.3	6.3	6.5	6.5	7.2	6.9	7.2	6.9	6.4	6.1	5.8	5.6
31	---	---	6.5	6.5	---	---	7.2	7.0	6.1	5.7	---	---
Month	---	---	6.8	6.2	7.6	6.5	7.9	6.9	8.1	5.7	6.4	5.4

02110500 WACCAMAW RIVER NEAR LONGS, SC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	22.6	22.1	22.4	18.1	17.4	17.7	15.1	13.7	14.6	5.9	4.4	5.1
2	22.1	21.1	21.6	17.7	16.5	17.1	13.7	11.3	12.4	7.1	5.9	6.5
3	21.1	20.2	20.7	16.5	16.0	16.2	11.3	10.3	10.8	7.0	6.1	6.6
4	---	---	---	16.1	15.9	16.0	10.5	10.0	10.2	6.1	5.3	5.7
5	19.1	18.3	18.6	15.9	14.9	15.5	10.5	9.3	10.0	6.1	5.4	5.7
6	18.3	17.4	17.7	14.9	13.6	14.3	9.3	8.0	8.7	7.0	6.1	6.6
7	17.7	16.8	17.3	13.6	12.6	13.1	8.0	6.7	7.4	6.9	6.4	6.7
8	18.0	17.1	17.6	12.6	11.9	12.3	6.8	6.1	6.4	7.0	6.4	6.7
9	18.1	17.2	17.7	12.9	12.0	12.4	6.9	5.9	6.3	6.4	5.5	5.8
10	18.4	17.5	18.0	12.9	12.2	12.5	6.6	5.6	6.0	5.5	4.7	5.1
11	18.9	17.9	18.4	12.7	12.0	12.4	7.1	6.1	6.7	4.7	4.3	4.5
12	19.6	18.7	19.1	12.1	11.4	11.8	8.2	7.0	7.7	4.9	4.1	4.4
13	19.8	19.2	19.5	11.6	10.8	11.2	7.6	5.5	6.6	4.3	3.4	3.9
14	19.9	19.4	19.7	11.5	10.6	11.1	5.5	4.0	4.7	3.8	2.9	3.4
15	19.5	18.1	18.7	11.6	10.7	11.2	4.0	3.2	3.6	3.9	2.8	3.4
16	18.1	17.1	17.6	12.9	11.6	12.3	---	---	---	4.4	3.2	3.9
17	17.1	16.5	16.9	13.7	12.8	13.2	6.3	5.2	5.8	4.3	3.6	4.0
18	17.4	16.7	17.1	12.9	12.0	12.5	6.3	5.7	5.9	4.8	4.2	4.5
19	18.0	17.3	17.6	12.4	11.5	12.0	5.7	5.2	5.5	5.4	4.6	5.0
20	17.8	17.5	17.7	12.3	11.1	11.8	5.2	4.3	4.7	5.7	4.5	5.2
21	17.8	17.2	17.5	12.9	11.7	12.4	4.7	3.9	4.3	6.2	5.2	5.6
22	17.4	16.8	17.1	13.2	12.3	12.8	5.6	4.7	5.2	5.5	4.3	4.8
23	16.8	16.0	16.4	14.1	13.2	13.6	5.8	5.1	5.4	4.8	3.6	4.3
24	17.1	16.2	16.7	14.8	14.0	14.3	5.2	4.5	4.8	5.5	4.3	4.9
25	18.0	17.0	17.6	14.4	13.4	14.0	4.9	4.0	4.5	6.3	5.5	5.8
26	19.3	17.9	18.6	15.2	14.4	14.8	5.0	4.4	4.8	7.3	6.3	6.8
27	20.6	19.3	19.9	15.0	13.2	14.3	4.4	3.8	4.1	7.0	6.3	6.7
28	21.9	20.3	20.9	13.2	11.8	12.4	4.1	3.3	3.7	6.8	5.7	6.3
29	21.3	19.3	20.4	12.2	11.5	11.8	4.2	3.2	3.7	6.9	5.8	6.4
30	19.3	17.5	18.2	14.1	11.8	12.8	4.5	3.5	4.0	7.4	6.2	6.8
31	17.9	17.1	17.5	---	---	---	4.8	3.8	4.3	7.4	7.1	7.3
Month	---	---	---	18.1	10.6	13.3	---	---	---	7.4	2.8	5.4

02110500 WACCAMAW RIVER NEAR LONGS, SC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	8.2	7.2	7.7	16.3	15.4	16.0	13.3	12.6	12.9	24.2	22.6	23.5
2	11.0	8.2	9.7	15.4	13.9	14.5	13.3	12.2	12.8	24.1	22.3	23.3
3	10.8	9.2	9.9	14.2	13.3	13.7	13.8	12.8	13.4	24.5	22.7	23.6
4	9.2	7.1	8.0	13.4	12.3	12.9	16.2	13.7	14.7	23.8	22.4	23.2
5	9.5	7.4	8.2	14.3	12.9	13.5	17.3	16.2	16.6	22.8	20.9	21.9
6	9.9	9.1	9.5	14.8	14.3	14.5	16.4	15.1	15.5	21.7	20.4	20.9
7	9.8	8.9	9.2	14.5	13.2	13.8	16.5	15.0	15.7	22.2	19.8	21.0
8	9.6	8.8	9.1	13.2	12.4	12.9	17.8	16.3	17.0	22.9	20.7	21.9
9	9.2	8.1	8.5	13.9	13.0	13.4	18.3	17.8	18.0	23.5	21.6	22.6
10	8.5	7.9	8.3	14.5	13.9	14.3	17.9	17.2	17.6	23.4	21.4	22.4
11	7.9	6.6	7.1	14.3	13.3	13.7	19.0	17.7	18.3	22.9	21.5	22.4
12	7.0	5.8	6.5	13.3	12.3	12.9	19.3	18.6	19.0	22.5	21.2	21.9
13	7.3	6.0	6.7	14.2	12.8	13.5	18.6	17.7	18.2	23.0	21.3	22.1
14	8.3	6.7	7.4	14.7	13.9	14.3	18.3	17.5	18.0	23.4	22.1	22.8
15	8.7	7.6	8.2	---	---	---	---	---	---	24.3	22.3	23.3
16	9.0	7.8	8.4	15.8	14.7	15.2	19.4	18.5	18.9	24.1	22.5	23.4
17	10.3	8.4	9.3	15.7	14.8	15.3	19.5	18.8	19.1	23.3	21.9	22.4
18	11.7	10.2	10.9	16.5	14.9	15.6	18.8	17.9	18.5	23.4	21.3	22.4
19	12.7	11.4	12.0	17.4	16.3	16.8	19.6	18.2	19.0	23.4	21.4	22.5
20	12.3	11.3	11.9	17.2	16.5	16.9	21.0	19.6	20.3	23.1	22.0	22.7
21	13.4	11.7	12.5	17.3	16.2	16.8	21.8	20.6	21.2	24.3	22.1	23.3
22	14.3	13.3	13.7	18.6	17.1	17.8	21.1	20.1	20.3	25.5	23.1	24.4
23	13.8	12.4	12.9	19.1	17.8	18.5	21.8	20.0	20.9	26.4	24.7	25.5
24	13.2	11.8	12.5	19.7	18.5	19.1	22.8	20.9	21.8	27.1	25.1	26.0
25	14.3	13.2	13.8	19.0	18.0	18.5	23.6	21.7	22.7	27.6	25.7	26.6
26	14.2	13.3	13.7	18.1	17.3	17.6	23.4	22.4	23.0	28.2	26.3	27.1
27	14.8	13.5	14.2	17.3	15.3	16.4	24.1	22.4	23.3	28.1	26.3	27.0
28	16.0	14.5	15.2	15.3	13.0	14.1	24.6	23.2	23.9	28.5	26.2	26.9
29	---	---	---	14.3	12.4	13.4	24.7	22.9	23.8	29.1	25.9	27.2
30	---	---	---	14.4	13.0	13.9	24.3	22.2	23.5	29.5	26.2	27.7
31	---	---	---	13.0	12.6	12.8	---	---	---	30.2	26.5	28.1
Month	16.0	5.8	10.2	---	---	---	---	---	---	30.2	19.8	23.9

02110500 WACCAMAW RIVER NEAR LONGS, SC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	30.7	27.0	28.7	32.1	27.3	29.7	32.3	28.8	30.3	25.4	24.4	24.9
2	31.2	27.5	29.1	32.1	27.0	29.7	33.0	28.3	30.5	24.9	23.9	24.5
3	31.1	27.7	29.2	32.8	26.9	29.8	33.3	29.0	31.0	25.0	24.3	24.6
4	31.0	26.8	28.8	32.3	27.1	29.7	34.0	29.5	31.5	24.8	24.0	24.4
5	31.2	26.6	28.7	32.8	27.4	30.1	31.7	29.3	30.3	25.3	24.3	24.8
6	30.3	27.1	28.6	31.1	28.3	29.7	31.2	28.0	29.2	26.1	25.2	25.7
7	30.6	26.3	28.3	33.0	27.2	30.0	31.9	28.0	29.7	26.3	25.6	25.9
8	31.3	26.5	28.6	30.9	27.7	28.9	33.2	28.9	30.9	25.7	24.9	25.3
9	31.6	26.6	28.8	31.1	26.9	28.8	33.5	29.8	31.5	25.0	24.3	24.7
10	31.7	26.3	28.7	33.1	26.2	29.6	33.6	30.0	31.6	25.0	24.0	24.6
11	31.4	26.2	28.6	33.9	27.5	30.8	32.5	29.3	30.9	25.1	24.1	24.7
12	31.6	26.4	28.8	33.6	28.5	31.2	31.4	29.1	30.1	25.3	24.4	24.8
13	31.9	26.8	29.2	34.7	29.7	32.0	29.1	26.0	27.5	25.4	24.3	24.9
14	30.7	27.2	28.9	31.3	28.5	29.9	30.5	27.0	28.4	25.4	24.4	24.9
15	31.1	26.4	28.6	30.6	26.3	28.5	31.1	26.6	28.6	25.6	24.2	25.0
16	30.8	26.5	28.4	30.9	25.5	28.2	31.2	26.5	28.7	25.2	22.8	24.0
17	31.3	26.8	28.9	30.9	25.2	28.2	30.4	27.0	28.7	22.8	22.1	22.4
18	32.1	27.4	29.4	30.6	25.0	27.9	28.9	27.2	28.1	22.3	21.9	22.1
19	30.6	27.1	28.8	31.5	25.3	28.3	30.3	26.7	28.3	22.7	21.7	22.2
20	32.6	26.9	29.7	31.9	27.2	29.7	30.0	27.3	28.5	22.6	22.0	22.3
21	33.1	27.5	30.3	31.9	28.9	30.4	30.5	27.5	28.7	22.7	22.1	22.4
22	32.9	28.1	30.4	31.5	28.7	30.2	27.8	23.5	25.7	22.5	21.8	22.2
23	32.9	28.3	30.3	32.3	28.9	30.5	28.6	26.6	27.4	23.0	22.0	22.5
24	32.6	26.7	29.6	32.0	28.8	30.3	29.0	26.8	27.7	23.3	22.5	22.9
25	32.4	27.2	29.7	30.2	27.0	28.7	29.3	27.2	28.2	23.6	22.8	23.2
26	32.9	27.3	30.0	28.2	25.3	26.6	28.7	25.2	27.7	23.6	23.1	23.4
27	33.9	27.9	30.8	30.5	26.0	27.7	25.4	23.6	24.5	24.4	23.3	23.8
28	33.9	28.1	30.9	32.3	26.9	29.3	26.9	24.9	25.9	24.5	23.7	24.1
29	32.1	28.3	30.3	33.0	28.0	30.3	27.2	25.6	26.5	24.4	24.0	24.2
30	31.7	27.8	29.9	33.4	29.0	31.2	26.8	25.8	26.2	24.2	23.5	23.8
31	---	---	---	33.3	29.7	31.1	26.1	25.0	25.6	---	---	---
Month	33.9	26.2	29.3	34.7	25.0	29.6	34.0	23.5	28.7	26.3	21.7	24.0

02110500 WACCAMAW RIVER NEAR LONGS, SC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	5.0	4.3	4.7	5.3	5.1	5.2	7.8	7.4	7.6	11.4	11.2	11.3
2	5.1	4.7	4.9	5.4	5.2	5.3	8.0	7.4	7.6	11.2	10.9	11.1
3	4.9	4.7	4.7	5.6	5.4	5.5	8.4	8.0	8.1	10.9	10.8	10.9
4	5.1	4.8	4.9	6.5	5.5	5.8	8.5	8.2	8.4	11.1	10.9	11.0
5	5.2	5.0	5.1	6.6	6.0	6.1	8.8	8.4	8.5	11.0	10.7	10.9
6	5.3	5.2	5.3	6.4	6.2	6.3	9.1	8.7	8.8	10.7	10.3	10.5
7	5.4	5.3	5.4	6.8	6.4	6.7	9.4	9.0	9.1	10.3	10.2	10.2
8	5.4	5.3	5.4	7.1	6.8	7.0	9.7	9.3	9.5	10.3	10.2	10.2
9	5.4	5.2	5.3	7.2	7.1	7.1	9.9	9.7	9.8	10.5	10.2	10.3
10	5.3	5.2	5.3	7.3	7.2	7.2	10.1	9.8	9.9	10.9	10.5	10.6
11	5.2	5.0	5.1	7.6	7.3	7.4	10.4	10.0	10.1	11.0	10.8	10.9
12	5.0	4.8	4.9	7.8	7.6	7.7	10.2	9.4	9.7	11.1	10.9	11.0
13	4.8	4.7	4.8	7.9	7.8	7.8	10.0	9.4	9.7	11.4	11.1	11.3
14	4.7	4.6	4.6	7.9	7.8	7.9	10.8	10.0	10.4	11.7	11.4	11.6
15	4.7	4.6	4.6	7.9	7.8	7.9	11.4	10.8	11.1	11.8	11.7	11.8
16	4.9	4.7	4.8	7.9	7.7	7.8	---	---	---	11.8	11.6	11.7
17	5.1	4.9	5.0	7.7	7.5	7.6	11.2	10.7	10.9	11.8	11.7	11.8
18	5.1	5.0	5.1	7.7	7.5	7.7	10.8	10.6	10.7	11.8	11.6	11.7
19	5.1	5.0	5.1	7.8	7.7	7.8	10.9	10.7	10.8	11.8	11.5	11.6
20	5.2	5.1	5.1	8.0	7.8	7.8	11.2	10.8	11.0	11.7	11.5	11.6
21	5.3	5.2	5.2	7.8	7.6	7.7	11.2	11.1	11.2	11.7	11.4	11.5
22	5.5	5.3	5.4	7.8	7.6	7.7	11.2	10.8	11.0	11.6	11.3	11.4
23	5.6	5.5	5.6	7.6	7.3	7.5	10.8	10.7	10.8	11.5	11.4	11.5
24	5.7	5.5	5.6	7.3	7.1	7.2	11.0	10.8	10.9	11.6	11.4	11.5
25	5.8	5.5	5.7	7.3	7.1	7.2	11.1	11.0	11.1	11.4	11.0	11.2
26	5.7	5.3	5.5	7.2	7.0	7.1	11.2	10.9	11.0	11.2	10.5	10.7
27	5.3	5.0	5.2	7.3	7.0	7.1	11.2	10.8	10.9	10.9	10.4	10.6
28	5.8	5.0	5.4	7.7	7.3	7.5	11.4	11.1	11.3	11.0	10.8	10.9
29	5.7	4.9	5.2	7.9	7.7	7.8	11.5	11.3	11.4	11.0	10.9	10.9
30	5.3	5.0	5.2	7.9	7.4	7.8	11.4	11.3	11.4	10.9	10.7	10.8
31	5.4	5.2	5.3	---	---	---	11.4	11.3	11.4	10.8	10.5	10.6
Month	5.8	4.3	5.1	8.0	5.1	7.1	---	---	---	11.8	10.2	11.1

02110500 WACCAMAW RIVER NEAR LONGS, SC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	10.5	10.3	10.4	6.4	6.3	6.3	7.6	7.3	7.5	4.7	4.5	4.6
2	10.4	10.0	10.2	6.4	6.2	6.3	7.7	7.5	7.6	4.7	4.4	4.6
3	10.0	9.6	9.7	6.6	6.4	6.4	7.8	7.5	7.7	4.8	4.6	4.7
4	10.6	9.9	10.3	6.9	6.6	6.7	7.6	7.1	7.4	4.8	4.7	4.8
5	10.2	9.2	9.8	6.9	6.8	6.9	7.2	6.5	6.8	5.0	4.8	4.9
6	9.2	8.7	8.9	6.9	6.8	6.9	6.8	6.5	6.6	5.4	5.0	5.2
7	9.1	8.6	8.8	7.2	6.9	7.0	6.8	6.4	6.6	5.5	5.3	5.3
8	9.2	8.8	8.9	7.6	7.2	7.4	6.4	6.0	6.2	5.3	5.1	5.1
9	9.0	8.8	8.9	7.6	7.4	7.5	6.1	5.7	5.8	5.1	5.0	5.0
10	9.1	8.9	9.0	7.6	7.2	7.3	6.5	5.8	6.1	5.9	5.0	5.2
11	9.3	9.0	9.1	7.5	7.2	7.3	5.9	5.5	5.7	5.8	5.1	5.3
12	9.5	9.2	9.4	7.8	7.5	7.6	5.5	5.2	5.3	5.5	5.2	5.4
13	9.6	9.4	9.5	7.8	7.6	7.7	5.4	5.2	5.3	5.3	5.1	5.2
14	9.6	9.3	9.5	7.7	7.4	7.5	5.6	5.3	5.5	5.2	5.0	5.1
15	9.3	9.1	9.2	---	---	---	---	---	---	5.2	5.0	5.0
16	9.2	9.0	9.1	7.6	7.3	7.5	5.3	5.1	5.2	5.1	4.9	5.0
17	9.1	8.7	8.9	7.5	7.2	7.4	5.3	5.0	5.2	5.2	5.1	5.2
18	8.7	8.1	8.4	7.4	7.0	7.2	5.4	5.3	5.3	5.3	5.2	5.2
19	8.1	7.6	7.8	7.1	6.4	6.7	5.3	5.1	5.2	5.2	5.1	5.2
20	7.6	7.4	7.5	6.7	6.4	6.5	5.2	4.9	5.1	5.3	5.1	5.2
21	7.5	7.1	7.3	6.6	6.2	6.4	5.0	4.8	4.8	5.2	5.0	5.1
22	7.1	6.7	6.9	6.4	5.7	6.0	4.9	4.7	4.8	5.2	5.0	5.0
23	6.9	6.7	6.8	6.0	5.6	5.8	4.9	4.7	4.8	5.0	4.8	4.9
24	7.0	6.9	6.9	5.8	5.4	5.6	4.7	4.6	4.7	4.9	4.6	4.7
25	6.9	6.5	6.7	5.8	5.4	5.6	4.6	4.5	4.5	4.8	4.5	4.6
26	6.5	6.4	6.5	6.0	5.6	5.8	4.8	4.4	4.6	4.7	4.4	4.6
27	6.5	6.4	6.5	6.2	5.9	6.1	5.1	4.4	4.6	4.7	4.4	4.5
28	6.4	6.1	6.3	7.3	6.1	6.7	4.5	4.2	4.4	4.7	4.3	4.5
29	---	---	---	7.3	7.0	7.1	4.5	4.2	4.4	4.7	4.2	4.4
30	---	---	---	8.3	7.0	7.4	4.8	4.5	4.7	4.7	4.1	4.4
31	---	---	---	7.7	7.4	7.5	---	---	---	4.7	4.1	4.4
Month	10.6	6.1	8.5	---	---	---	---	---	---	5.9	4.1	4.9

02110500 WACCAMAW RIVER NEAR LONGS, SC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	4.8	3.9	4.3	9.1	3.5	6.2	7.6	3.9	5.5	4.1	3.8	3.9
2	5.0	3.8	4.3	8.9	3.2	6.2	7.6	4.1	5.7	3.8	3.6	3.7
3	5.0	3.6	4.2	10.0	3.5	6.7	9.0	5.2	6.9	3.7	3.5	3.6
4	4.9	3.6	4.2	9.8	3.5	6.7	9.9	5.0	7.2	3.6	3.5	3.6
5	5.2	3.7	4.3	9.4	3.6	6.6	7.0	4.7	5.8	3.6	3.4	3.5
6	5.3	3.7	4.4	7.8	3.8	6.1	7.5	4.0	5.6	3.5	3.4	3.5
7	5.6	3.7	4.5	8.9	3.6	6.1	7.5	4.5	5.7	3.5	3.2	3.4
8	5.9	3.7	4.6	6.9	3.5	5.2	6.7	4.4	5.3	3.3	3.1	3.2
9	6.2	3.7	4.7	9.4	4.6	6.7	6.8	3.9	5.2	3.2	3.0	3.1
10	6.2	3.7	4.7	10.2	3.5	6.5	7.5	4.0	5.5	3.1	2.9	3.0
11	6.2	3.6	4.7	9.9	3.3	6.3	6.6	4.2	5.4	3.0	2.9	3.0
12	6.7	3.6	4.9	10.2	3.2	6.5	5.8	4.1	4.9	3.0	2.9	2.9
13	7.1	3.6	5.1	9.4	2.7	6.3	7.3	3.9	5.1	3.0	2.8	2.9
14	6.9	3.6	5.2	8.8	2.9	6.0	6.4	4.4	5.2	2.9	2.7	2.8
15	7.1	3.7	5.3	9.2	3.9	6.4	7.0	4.4	5.5	2.9	2.7	2.8
16	7.4	3.6	5.3	9.6	4.4	6.9	7.3	4.6	5.7	3.2	2.8	3.0
17	7.2	3.4	5.2	9.8	4.7	7.1	6.9	4.7	5.7	3.5	3.2	3.4
18	8.1	3.4	5.4	9.1	4.8	6.8	7.1	4.7	5.7	3.8	3.5	3.6
19	7.1	2.5	4.7	8.7	4.6	6.5	7.2	4.8	6.0	3.9	3.7	3.8
20	8.2	2.5	5.3	7.6	2.8	5.1	6.9	4.9	5.8	4.2	3.9	4.1
21	8.4	2.9	5.5	6.7	3.5	4.8	8.4	4.7	5.7	4.6	4.2	4.4
22	8.5	2.2	5.3	6.2	1.6	4.0	6.2	5.0	5.4	4.9	4.6	4.8
23	7.7	2.7	5.1	6.2	2.0	4.3	6.8	5.0	5.7	4.9	4.7	4.8
24	7.7	3.3	5.5	7.2	3.2	5.0	6.0	5.3	5.6	4.9	4.6	4.7
25	9.0	3.1	5.7	8.2	2.6	5.2	5.7	5.0	5.4	4.7	4.4	4.5
26	8.8	2.8	5.6	8.2	4.2	5.8	6.0	5.1	5.4	4.4	4.2	4.3
27	9.0	2.8	5.8	8.3	4.2	5.8	6.0	4.8	5.1	4.6	4.1	4.3
28	9.1	2.8	5.9	8.1	3.4	5.4	5.0	4.8	4.9	4.3	3.6	3.8
29	8.9	2.8	5.8	7.2	3.2	5.0	5.0	4.7	4.9	3.8	3.5	3.7
30	8.6	3.0	5.9	7.2	3.4	5.1	4.7	4.4	4.6	3.6	3.4	3.5
31	---	---	---	6.9	3.8	4.9	4.5	4.1	4.3	---	---	---
Month	9.1	2.2	5.0	10.2	1.6	5.9	9.9	3.9	5.5	4.9	2.7	3.7

02110500 WACCAMAW RIVER NEAR LONGS, SC—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

[<, less than]

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	34	12	18	4.5	2.8	3.5	5.4	2.3	2.8	4.1	2.5	3.0
2	---	---	---	4.7	2.7	3.3	2.7	2.0	2.2	4.5	2.4	3.0
3	---	---	---	6.4	2.0	2.5	5.6	1.9	2.3	3.0	2.1	2.5
4	---	---	---	7.7	1.7	2.8	4.6	2.0	2.4	3.0	2.1	2.4
5	2.3	1.5	1.9	10	4.9	6.6	3.0	1.8	2.1	3.1	1.9	2.4
6	1.9	1.1	1.4	5.2	3.2	4.3	4.8	1.7	1.9	2.6	1.9	2.2
7	1.4	1.0	1.1	3.6	2.2	2.7	6.5	1.6	2.0	2.8	1.8	2.1
8	1.4	<1.0	1.0	2.7	2.1	2.3	6.0	1.5	1.8	3.1	1.7	2.1
9	1.3	<1.0	1.0	2.7	2.0	2.2	---	---	---	3.1	1.7	2.1
10	2.8	<1.0	1.0	3.2	1.9	2.2	---	---	---	3.8	1.7	2.1
11	1.1	<1.0	<1.0	6.2	1.9	2.4	---	---	---	2.4	1.8	2.0
12	1.1	<1.0	<1.0	2.6	1.7	2.0	5.6	3.6	4.7	3.1	1.7	2.0
13	1.0	<1.0	<1.0	4.0	1.7	2.2	7.5	4.7	5.6	2.3	1.7	1.9
14	1.3	<1.0	<1.0	7.2	1.8	2.4	7.0	3.9	4.6	3.1	1.8	2.1
15	1.1	<1.0	<1.0	4.8	1.8	2.7	9.3	3.2	4.0	3.9	1.7	2.6
16	1.3	<1.0	<1.0	3.3	1.8	2.1	---	---	---	4.0	1.7	2.4
17	1.6	<1.0	1.1	4.6	2.1	2.5	2.7	2.1	2.4	2.6	1.6	2.0
18	1.8	1.0	1.3	8.1	1.8	2.3	4.7	2.4	3.0	4.8	1.6	2.1
19	2.0	1.2	1.5	5.8	1.8	2.2	6.8	3.1	4.2	3.8	1.6	2.2
20	2.3	1.3	1.6	19	1.8	5.7	4.6	3.7	4.1	2.7	1.6	1.9
21	2.0	1.5	1.7	7.8	2.7	3.6	6.0	3.2	3.9	2.8	1.5	1.9
22	3.0	1.5	2.1	5.4	2.6	3.0	3.5	2.9	3.2	2.4	1.4	1.8
23	6.5	1.9	3.2	13	2.4	4.1	4.9	2.5	2.9	2.5	1.4	1.8
24	9.6	3.3	5.1	21	2.9	6.3	3.6	2.4	2.8	2.5	1.3	1.7
25	9.3	4.6	5.4	8.1	2.7	4.5	4.6	2.4	3.2	5.3	1.3	1.6
26	---	---	---	11	2.8	4.0	7.1	2.3	4.3	3.5	1.4	2.8
27	---	---	---	6.0	2.8	4.1	6.6	4.7	5.6	4.6	3.0	3.6
28	---	---	---	5.5	2.6	3.1	5.8	3.6	4.4	5.3	2.7	3.4
29	41	10	15	6.7	2.3	2.9	5.1	2.8	3.6	5.1	2.2	2.9
30	11	4.9	7.8	8.5	2.3	3.0	3.4	2.6	2.9	5.2	2.3	3.1
31	5.9	3.3	4.4	---	---	---	4.3	2.6	3.1	3.2	2.0	2.3
Month	---	---	---	21	1.7	3.2	---	---	---	5.3	1.3	2.3

02110500 WACCAMAW RIVER NEAR LONGS, SC—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

[<, less than]

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	4.9	1.9	2.4	3.1	1.2	1.9	12	8.6	11	---	---	---
2	7.1	2.0	3.8	5.1	1.6	2.4	8.9	6.7	7.7	---	---	---
3	5.3	3.3	4.0	2.6	1.7	2.1	7.3	6.5	6.8	---	---	---
4	100	3.3	36	2.3	1.6	1.8	8.3	5.3	6.0	6.6	3.8	4.3
5	56	28	38	2.8	1.5	2.1	12	5.3	7.3	6.2	3.6	4.1
6	28	14	19	3.7	1.9	2.6	10	5.5	7.3	4.3	3.5	3.8
7	15	10	12	3.6	2.1	2.8	5.7	4.5	5.0	6.8	3.4	4.2
8	21	11	15	3.9	2.1	2.8	5.0	4.1	4.5	6.9	3.9	4.5
9	12	8.6	9.9	7.7	1.9	2.5	4.8	3.8	4.2	5.4	4.1	4.5
10	8.8	7.4	8.0	3.0	1.8	2.1	12	4.4	8.0	18	4.0	6.3
11	10	6.2	7.0	3.8	1.8	2.2	---	---	---	11	5.5	7.0
12	6.8	5.3	6.1	5.9	1.9	2.9	---	---	---	12	4.6	7.0
13	5.8	4.5	5.2	7.2	2.1	3.7	---	---	---	6.5	4.2	5.1
14	4.8	3.7	4.3	4.3	2.2	2.8	---	---	---	14	4.5	6.0
15	4.0	3.3	3.6	---	---	---	---	---	---	7.7	4.3	5.3
16	3.7	3.0	3.3	---	---	---	3.3	2.7	3.0	6.2	4.3	5.1
17	3.4	1.4	2.5	---	---	---	5.4	2.9	3.9	5.8	4.4	5.1
18	1.7	1.3	1.5	---	---	---	6.9	3.4	4.3	5.6	4.0	4.9
19	1.7	1.2	1.4	9.8	3.0	4.0	8.7	3.2	4.6	7.5	3.9	4.9
20	1.5	1.1	1.3	6.1	3.2	3.9	4.9	3.3	3.9	16	3.8	5.0
21	1.5	1.0	1.2	9.6	3.4	4.3	5.5	3.5	4.1	8.5	3.6	4.8
22	1.3	1.0	1.1	6.2	3.5	4.3	4.4	3.6	3.9	17	3.9	6.0
23	1.2	<1.0	1.0	9.1	3.5	4.6	9.4	3.7	5.7	5.7	4.0	4.7
24	1.2	<1.0	1.0	8.1	3.9	5.2	12	4.7	6.3	7.7	3.7	4.6
25	1.2	<1.0	<1.0	6.7	4.0	4.9	7.4	4.5	5.3	4.8	3.5	3.9
26	1.6	<1.0	1.0	9.5	4.8	5.9	9.6	4.6	5.9	6.5	3.5	4.4
27	1.5	<1.0	1.1	8.3	4.8	6.0	10	4.6	7.0	7.9	4.0	5.2
28	2.0	<1.0	1.1	9.2	5.2	6.8	9.0	5.4	6.3	---	---	---
29	---	---	---	9.4	6.3	8.0	---	---	---	---	---	---
30	---	---	---	41	5.4	12	---	---	---	---	---	---
31	---	---	---	30	12	16	---	---	---	---	---	---
Month	100	1.0	6.9	---	---	---	---	---	---	---	---	---

02110500 WACCAMAW RIVER NEAR LONGS, SC—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

[<, less than]

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	---	---	---	---	---	---	7.8	2.5	5.3	3.8	2.5	2.8
2	---	---	---	---	---	---	7.5	1.2	4.3	3.0	2.1	2.5
3	---	---	---	---	---	---	4.5	1.1	3.1	2.3	1.7	1.9
4	---	---	---	---	---	---	6.1	2.8	4.2	2.5	1.5	1.9
5	---	---	---	---	---	---	6.2	2.5	3.6	2.1	1.6	1.7
6	---	---	---	1.9	<1.0	1.4	88	2.6	18	2.1	1.5	1.7
7	4.7	3.7	4.2	1.7	<1.0	1.3	25	8.1	14	2.9	1.6	1.9
8	4.8	3.7	4.2	2.3	<1.0	1.3	---	---	---	2.2	1.7	1.9
9	4.9	3.7	4.2	1.3	<1.0	<1.0	---	---	---	2.6	1.7	2.0
10	4.8	3.7	4.1	1.7	<1.0	1.1	---	---	---	2.9	2.0	2.3
11	4.4	3.6	4.0	1.6	<1.0	<1.0	3.9	2.7	3.2	3.2	2.1	2.6
12	4.5	3.3	3.8	1.2	<1.0	<1.0	3.9	2.7	3.0	3.0	2.4	2.6
13	5.1	3.1	3.5	1.3	<1.0	<1.0	89	2.5	25	3.3	2.4	2.7
14	4.0	2.8	3.3	2.8	<1.0	1.3	23	4.2	8.5	3.4	2.7	3.0
15	4.4	2.9	3.3	2.4	1.0	1.4	19	3.1	4.6	3.8	3.0	3.4
16	3.7	2.7	3.2	1.8	<1.0	1.2	4.2	2.6	3.2	5.7	3.3	3.9
17	3.5	2.7	3.1	1.5	<1.0	1.1	4.3	2.3	3.1	6.1	3.6	4.0
18	4.7	2.5	2.9	2.3	1.0	1.6	7.1	2.2	3.7	8.1	3.6	4.7
19	3.5	2.4	2.8	---	---	---	5.3	2.1	3.0	5.2	3.7	4.2
20	3.1	2.2	2.6	---	---	---	2.7	1.7	2.1	4.8	3.5	3.9
21	3.1	2.2	2.6	1.4	<1.0	<1.0	46	1.3	6.2	5.7	3.3	4.0
22	3.5	2.2	2.7	1.3	<1.0	<1.0	120	16	42	5.6	3.6	3.9
23	5.5	2.2	3.0	1.4	<1.0	<1.0	19	6.3	11	12	4.0	6.9
24	10	1.5	4.8	2.0	<1.0	<1.0	17	4.7	8.3	7.3	4.7	5.9
25	4.7	2.2	3.1	28	<1.0	1.7	19	3.2	6.0	6.3	4.3	5.1
26	3.0	1.6	2.1	26	1.0	7.1	23	2.6	5.2	5.4	4.1	4.7
27	2.5	1.5	1.8	4.4	1.1	1.9	52	10	31	9.8	2.5	3.2
28	---	---	---	1.4	<1.0	<1.0	10	4.4	6.9	9.9	2.3	4.4
29	---	---	---	1.5	<1.0	1.1	4.8	3.2	3.9	11	2.2	5.0
30	---	---	---	1.7	1.0	1.3	5.3	3.1	4.0	3.6	2.1	2.7
31	---	---	---	3.0	1.3	2.2	5.0	2.4	3.0	---	---	---
Month	---	---	---	---	---	---	---	---	---	12	1.5	3.4