01611500 CACAPON RIVER NEAR GREAT CACAPON, WV

Potomac Basin
Cacapon-Town Subbasin

LOCATION.--Lat 39°34′56″, long 78°18′36″ referenced to North American Datum of 1927, Morgan County, WV, Hydrologic Unit 02070003, on left bank at Rock Ford, 3.0 mi southwest of Great Cacapon, and at mile 6.1.

DRAINAGE AREA.--675 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--December 1922 to September 1995, and October 1996 to current year (daily discharge and peaks).

REVISED RECORDS.--WSP 800: 1924(M). WSP 921: Drainage area. WSP 951: 1936-37. WSP 1552: 1925-26(M), 1928-1929(M), 1932. WDR WV-97-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 456.78 ft above COE 12. Prior to Nov. 10, 1933, nonrecording gage at same site and datum.

REMARKS.--Water-discharge records good except those for period of estimated daily discharges (ice effect), which are poor. High end of rating not confirmed above 3,000 ft^3/s since cableway removed in July 1992.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 1889 reached a stage of about 24.7 ft, from floodmarks, discharge, 57,500 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,900 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 21	1700	*10,400	*10.88
May 12	2200	9,640	10.50
May 17	0500	4,030	6.91

Minimum discharge, 52 ft^3/s, Oct. 13: minimum gage height, 1.29 ft, Aug. 27, 28.

01611500 CACAPON RIVER NEAR GREAT CACAPON, WV—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	71	133	101	389	240	339	311	1,890	579	184	125	146
2	64	113	100	415	466	333	290	1,570	853	237	119	112
3	64	102	104	354	1,070	308	269	1,290	578	170	130	93
4	62	92	104	246	913	285	268	1,070	536	156	272	81
5	60	87	104	232	758	910	291	858	1,040	331	211	74
6	59	86	101	245	673	2,330	333	708	1,310	624	164	74
7	58	83	93	217	662	1,710	329	602	863	422	134	72
8	58	77	91	198	670	1,340	354	529	593	933	118	74
9	58	76	96	185	574	1,350	380	484	447	892	106	86
10	58	78	135	170	494	1,230	374	585	355	494	97	92
11	55	78	170	185	423	991	370	1,520	305	343	89	82
12	54	86	190	249	354	846	806	5,500	304	254	83	78
13	53	87	205	348	319	722	1,740	6,520	250	205	82	82
14	55	87	210	367	345	617	1,390	3,110	222	211	84	84
15	56	96	206	335	476	564	1,030	2,040	239	461	79	79
16	56	102	300	288	548	576	790	1,890	361	332	81	73
17	56	102	884	252	512	569	637	3,530	611	232	84	70
18	56	106	848	230	469	556	542	2,410	568	178	79	66
19	61	111	523	215	438	591	477	1,930	430	147	75	64
20	72	104	375	208	399	1,050	508	1,620	323	130	71	62
21	82	105	289	167	353	1,540	5,870	2,730	260	121	67	60
22	75	105	232	196	302	1,340	6,370	2,300	237	118	64	58
23	68	103	204	186	302	1,080	5,010	1,740	262	155	62	57
24	81	102	198	160	298	864	2,890	1,350	209	499	60	57
25	96	102	217	e150	296	697	1,930	1,040	191	729	59	56
26	117	101	232	143	292	585	1,500	825	166	470	57	62
27	236	105	223	150	345	513	1,650	714	154	309	55	75
28	351	105	201	142	433	471	1,920	786	141	218	66	769
29	327	105	203	140	390	439	2,590	635	144	172	88	1,300
30	253	101	231	150	---	393	2,350	505	155	147	162	608
31	170	---	276	171	---	343	---	478	---	138	203	---
Total	3,042	2,920	7,446	7,083	13,814	25,482	43,569	52,759	12,686	10,012	3,226	4,746
Mean	98.1	97.3	240	228	476	822	1,452	1,702	423	323	104	158
Max	351	133	884	415	1,070	2,330	6,370	6,520	1,310	933	272	1,300
Min	53	76	91	140	240	285	268	478	141	118	55	56
Cfsm	0.15	0.14	0.36	0.34	0.71	1.22	2.15	2.52	0.63	0.48	0.15	0.23
In.	0.17	0.16	0.41	0.39	0.76	1.40	2.40	2.91	0.70	0.55	0.18	0.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	320	386	526	633	871	1,274	1,130	862	436	196	227	202
Max	2,976	2,577	2,121	1,751	3,234	5,708	2,976	3,565	3,525	936	2,791	1,698
(WY)	(1943)	(1986)	(1973)	(1998)	(1998)	(1936)	(1987)	(1924)	(1972)	(1972)	(1955)	(2003)
Min	44.8	51.1	56.5	69.6	89.1	194	242	157	72.5	53.8	39.8	39.4
(WY)	(1931)	(1966)	(1966)	(1956)	(1934)	(2006)	(1947)	(1969)	(1999)	(1999)	(1966)	(1932)

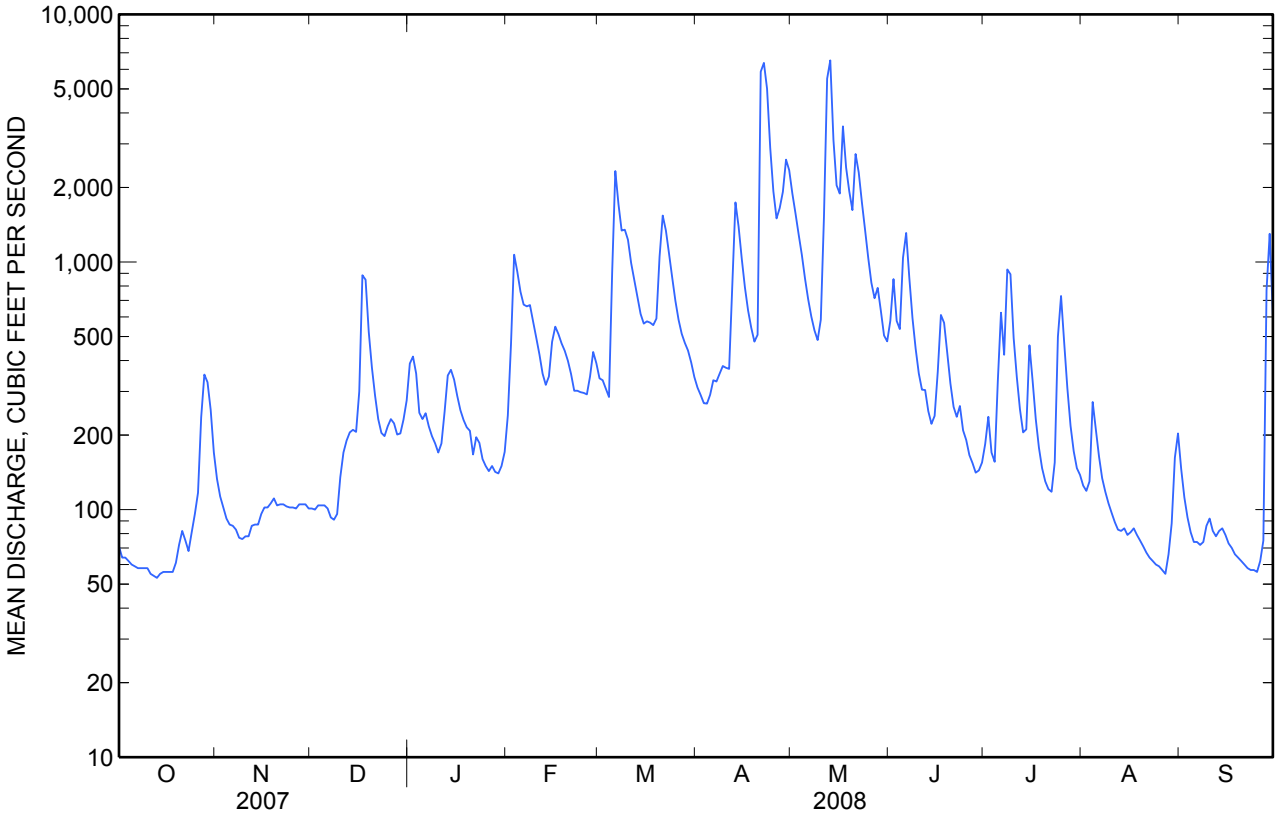
01611500 CACAPON RIVER NEAR GREAT CACAPON, WV—Continued

SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1923 - 2008	
Annual total	160,964		186,785			
Annual mean	441		510		590	
Highest annual mean					1,192	2003
Lowest annual mean					180	1969
Highest daily mean	14,400	Apr 16	6,520	May 13	67,900	Mar 18, 1936
Lowest daily mean	53	Oct 13	53	Oct 13	26	Sep 12, 1966
Annual seven-day minimum	55	Oct 11	55	Oct 11	28	Sep 7, 1966
Maximum peak flow			10,400	Apr 21	[a]87,600	Mar 18, 1936
Maximum peak stage			10.88	Apr 21	30.10	Mar 18, 1936
Instantaneous low flow			52	Oct 13	26	Sep 11, 1966[b]
Annual runoff (cfsm)	0.653		0.756		0.874	
Annual runoff (inches)	8.87		10.29		11.88	
10 percent exceeds	1,000		1,290		1,350	
50 percent exceeds	146		236		247	
90 percent exceeds	71		69		68	

[a] From rating curve extended above 52,000 ft³/s, highest since 1889.

[b] Also Sept. 12, 13, 1966.



01611500 CACAPON RIVER NEAR GREAT CACAPON, WV—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 2005 to current year.

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

INSTRUMENTATION.--Water-quality monitor April to September 2007.

REMARKS.--Records for temperature are rated excellent (<+ 0.2°C) with the following exceptions.The periods of March 12-28, June 17-20, and September 7-30, 2008 are rated fair. Records for specific conductance are rated excellent with the following exceptions. The periods of March 12 - April 15, June 17 - 20, and September 7-30 2008 are rated fair. Records for pH are rated excellent, except for the periods of February 21 - March 12 and March 26 - June 17, which were rated good, and the periods of March 12 - April 15, June 17-20, and 7-30 September 2008, which are rated fair. Records for dissolved oxygen are rated excellent to fair.

COOPERATION.--This site is sampled as part of the Chesapeake Bay Program's Non-Tidal Monitoring Network in cooperation with the West Virginia Department of Environmental Protection, Division of Water and Waste Management.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 213 microsiemens, Nov. 8, 9, 10, 11, 2007; minimum recorded, 73 microsiemens, May 13, 2008.
pH: Maximum recorded, 9.4 units, Aug. 26, 2008; minimum recorded, 6.8 units, Apr. 21, 2008.
WATER TEMPERATURE: Maximum recorded, 30.8°C, Aug. 4, 2007; minimum recorded, 0.0°C, Jan. 3, 2008.
DISSOLVED OXYGEN: Maximum recorded, 14.9 mg/L, Jan. 21, 2008; minimum recorded, 3.9 mg/L, June 3, 2007.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 213 microsiemens, Nov. 8, 9, 10, 11; minimum recorded, 73 microsiemens, May 13.
pH: Maximum recorded, 9.4 units, Aug. 26; minimum recorded, 6.8 units, Apr. 21.
WATER TEMPERATURE: Maximum recorded, 30.3°C, July 20; minimum recorded, 0.0°C, Jan. 3.
DISSOLVED OXYGEN: Maximum recorded, 14.9 mg/L, Jan. 21; minimum recorded, 5.3 mg/L, Apr 13.

01611500 CACAPON RIVER NEAR GREAT CACAPON, WV—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 1 of 2
[Remark codes: <, less than; E, estimated.]

Date	Time	Sample Type	Gage height, feet (00065)	Instantaneous discharge, ft3/s (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf µS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Residue total non-filterable, mg/L (00530)
Oct											
16...	1505	Environmental	1.33	56	--	11.1	--	8.4	195	16.6	<10
Nov											
06...	1230	Environmental	1.48	87	744	12.3	109	8.2	207	9.1	<10
06...	*1231*	*Blank*	--	--	--	--	--	--	--	--	*<10*
Dec											
11...	1505	Environmental	1.81	175	754	13.7	106	8.0	194	4.3	<10
19...	1455	Environmental	2.50	490	750	13.8	101	7.5	161	1.7	11
Jan											
15...	1130	Environmental	2.17	335	746	14.0	107	8.0	156	3.1	<10
Feb											
05...	1310	Environmental	2.97	754	746	13.4	104	7.8	159	3.8	<10
Mar											
06...	0935	Environmental	5.45	2,430	751	11.9	98	7.4	118	6.6	134
06...	*0936*	*Replicate*	--	--	--	--	--	--	--	--	--
12...	1340	Environmental	3.10	831	743	12.9	108	7.7	112	6.6	<10
Apr											
15...	1355	Environmental	3.35	1,010	--	10.8	--	7.7	103	13.1	<10
May											
13...	1820	Environmental	7.61	4,920	748	10.2	98	7.5	78	12.7	74
15...	0950	Environmental	4.95	2,070	748	10.4	103	7.3	87	13.9	19
21...	1100	Environmental	5.99	2,990	739	10.5	112	7.5	100	17.0	33
Jun											
17...	1400	Environmental	3.09	829	745	8.6	103	8.0	156	23.0	13
Jul											
15...	1235	Environmental	2.37	431	754	8.8	110	8.1	150	26.2	<10
Aug											
12...	1250	Environmental	1.44	83	748	9.9	120	8.8	160	23.9	<10
Sep											
07...	1630	Environmental	1.39	72	751	9.4	116	8.6	169	25.1	<10

01611500 CACAPON RIVER NEAR GREAT CACAPON, WV—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 2 of 2
[Remark codes: <, less than; E, estimated.]

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Total nitrogen, wat unf by analysis, mg/L (62855)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L as P (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
Oct									
16...	E.011	<.04	--	<.002	.13	<.006	.013	1	.15
Nov									
06...	<.020	<.04	--	<.002	.12	E.003	.011	<.5	--
06...	*<.020*	<.04	--	<.002	<.06	<.006	E.005	--	--
Dec									
11...	<.020	E.03	--	<.002	.12	E.004	E.007	1	.47
19...	E.011	.37	.37	.002	.59	<.006	.018	6	7.9
Jan									
15...	<.020	.19	.19	.002	.37	E.003	.010	1	.90
Feb									
05...	<.020	.60	.60	.003	.87	E.003	.018	9	18
Mar									
06...	E.013	.52	.51	.004	1.61	<.006	.157	167	1,100
06...	--	--	--	--	--	--	--	167	--
12...	<.020	.65	.65	.002	.91	E.003	.013	7	16
Apr									
15...	E.012	.43	.43	.004	.73	E.003	.025	10	27
May									
13...	E.016	.50	.50	.003	1.18	.009	.096	79	1,050
15...	<.020	.54	.54	.003	.79	.006	.031	23	129
21...	<.020	.38	.38	.003	.71	E.006	.046	38	307
Jun									
17...	E.012	.24	.23	.004	.52	E.005	.022	9	20
Jul									
15...	E.018	.30	.29	.004	.61	.012	.027	4	4.7
Aug									
12...	<.020	<.04	--	<.002	.23	.008	.015	<.5	--
Sep									
07...	<.020	<.04	--	<.002	.15	E.004	.011	<.5	--

01611500 CACAPON RIVER NEAR GREAT CACAPON, WV—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	173	162	167	192	190	191	210	209	209	170	166	168
2	172	163	167	193	192	192	210	204	209	167	165	166
3	176	167	171	194	193	193	206	204	205	165	162	163
4	182	171	176	199	194	196	206	205	205	166	162	164
5	186	177	182	204	199	202	207	206	206	164	160	162
6	188	179	185	208	204	206	207	205	206	161	160	160
7	189	179	185	211	208	210	208	206	207	162	160	161
8	192	181	187	213	211	212	207	205	206	165	161	163
9	194	183	189	213	212	213	206	199	203	170	165	166
10	194	186	190	213	212	212	199	185	193	172	170	171
11	196	191	193	213	211	212	194	186	190	172	163	167
12	197	192	194	212	210	211	194	189	192	163	158	160
13	197	191	194	212	211	211	195	189	191	163	160	161
14	196	192	194	212	211	211	195	190	192	166	163	165
15	196	191	194	211	206	208	192	190	191	163	154	159
16	197	191	194	206	205	206	190	168	182	155	152	154
17	197	192	195	208	206	207	176	164	169	152	150	151
18	199	193	196	208	206	207	168	157	162	152	150	151
19	200	190	196	208	206	207	165	162	163	157	152	154
20	198	193	196	208	207	208	168	164	165	162	157	159
21	200	196	199	209	208	208	184	168	175	166	162	165
22	201	197	199	211	209	210	192	184	190	167	165	166
23	202	199	201	211	210	211	191	183	187	166	163	164
24	202	194	197	212	210	211	183	177	180	165	163	164
25	196	193	194	212	211	212	178	176	177	170	165	168
26	196	193	195	212	209	210	178	177	177	171	168	170
27	194	190	192	210	209	209	180	178	179	170	168	169
28	200	191	194	209	209	209	180	178	179	169	167	168
29	202	199	200	210	209	209	178	177	178	---	---	---
30	200	193	197	210	209	209	178	174	177	167	164	165
31	193	190	191	---	---	---	174	170	172	166	164	165
Month	202	162	190	213	190	207	210	157	188	---	---	---

01611500 CACAPON RIVER NEAR GREAT CACAPON, WV—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	165	160	162	147	145	146	---	---	---	99	95	96
2	161	154	158	147	144	145	---	---	---	100	95	98
3	154	148	150	144	142	143	---	---	---	102	99	101
4	151	147	149	142	140	141	---	---	---	104	102	103
5	162	150	157	140	125	131	129	127	128	109	104	106
6	154	139	146	136	126	132	131	129	130	114	109	111
7	139	138	138	133	123	128	132	129	131	120	113	116
8	140	136	137	126	115	119	132	131	131	123	119	121
9	136	135	136	117	115	116	133	130	131	124	114	120
10	138	136	136	120	117	119	132	131	132	117	114	116
11	140	138	139	120	118	119	132	128	130	120	108	116
12	142	140	141	120	115	118	128	120	124	108	76	91
13	143	140	142	117	115	116	120	109	113	77	73	75
14	143	141	142	118	116	117	116	104	111	82	77	80
15	144	141	142	118	117	118	106	102	104	90	82	86
16	146	143	144	119	118	119	108	103	105	94	90	91
17	148	144	146	121	119	120	111	105	107	97	83	89
18	144	142	143	123	121	122	115	108	112	90	84	88
19	148	143	144	124	121	123	118	112	115	94	89	92
20	150	146	148	122	118	120	118	113	116	94	93	93
21	146	143	145	118	116	117	114	80	95	98	89	94
22	143	142	143	117	108	113	90	79	85	91	87	89
23	144	141	142	108	106	108	90	86	88	91	87	89
24	146	144	145	108	104	107	98	89	93	97	91	94
25	145	143	144	107	104	106	100	93	97	103	97	100
26	147	145	146	108	106	107	104	97	101	109	103	106
27	147	144	145	110	107	109	105	99	102	111	107	109
28	147	145	146	---	---	---	110	99	105	116	111	114
29	149	144	146	---	---	---	100	95	97	117	109	115
30	---	---	---	---	---	---	99	93	95	119	115	117
31	---	---	---	---	---	---	---	---	---	121	114	118
Month	165	135	145	---	---	---	---	---	---	124	73	101

01611500 CACAPON RIVER NEAR GREAT CACAPON, WV—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	122	114	120	---	---	---	164	156	161	176	165	170
2	130	116	124	---	---	---	164	154	161	179	166	174
3	116	109	112	---	---	---	167	160	164	177	162	172
4	113	103	111	---	---	---	168	163	165	178	162	171
5	124	103	113	---	---	---	173	167	169	177	161	170
6	128	121	124	---	---	---	173	159	165	174	164	170
7	128	124	127	---	---	---	167	156	163	173	158	169
8	125	123	124	---	---	---	166	153	162	176	161	170
9	127	125	126	---	---	---	166	154	162	173	160	168
10	129	126	127	---	---	---	165	152	161	170	153	165
11	134	129	132	---	---	---	165	151	159	170	156	166
12	139	134	136	---	---	---	165	149	160	175	167	171
13	145	139	141	---	---	---	165	154	160	177	167	173
14	146	143	144	---	---	---	162	136	155	178	166	173
15	148	145	146	158	139	148	164	146	157	178	156	172
16	149	147	148	160	144	152	167	148	161	178	160	172
17	158	148	153	152	144	148	167	154	163	181	169	176
18	158	137	152	154	150	152	167	156	163	183	172	178
19	140	133	137	154	149	152	170	159	165	182	164	176
20	---	---	---	156	152	154	171	150	164	182	169	177
21	---	---	---	162	155	158	171	155	165	180	169	176
22	---	---	---	163	154	160	172	142	162	182	168	176
23	---	---	---	161	148	156	170	154	164	181	167	174
24	---	---	---	163	155	157	171	149	162	179	167	174
25	---	---	---	172	150	164	170	148	161	179	164	172
26	---	---	---	150	140	143	168	142	159	178	169	174
27	---	---	---	146	140	143	167	145	158	178	170	174
28	---	---	---	152	145	147	164	150	158	180	107	135
29	---	---	---	157	150	153	164	153	158	169	124	153
30	---	---	---	161	155	158	162	154	158	141	132	137
31	---	---	---	163	156	160	169	157	162	---	---	---
Month	---	---	---	---	---	---	173	136	162	183	107	169

01611500 CACAPON RIVER NEAR GREAT CACAPON, WV—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
		October			November			December			January	
1	8.6	7.9	8.1	8.1	7.9	7.9	8.2	8.1	8.1	8.0	7.8	7.8
2	8.7	7.9	8.1	8.2	7.9	8.0	8.2	8.1	8.1	7.8	7.7	7.8
3	8.7	7.9	8.1	8.2	7.9	8.0	8.1	8.0	8.1	7.7	7.6	7.6
4	8.7	7.9	8.1	8.1	7.9	8.0	8.1	8.0	8.1	7.6	7.5	7.6
5	8.6	7.9	8.1	8.2	7.9	8.0	8.0	8.0	8.0	7.6	7.5	7.6
6	8.7	7.9	8.1	8.2	7.9	8.0	8.0	7.9	8.0	7.7	7.5	7.6
7	8.6	7.9	8.1	8.3	8.1	8.1	8.0	7.9	7.9	7.8	7.6	7.7
8	8.7	7.9	8.1	8.3	8.1	8.2	8.0	7.9	8.0	7.9	7.6	7.8
9	8.7	7.9	8.1	8.2	8.1	8.1	8.0	8.0	8.0	8.0	7.7	7.8
10	8.6	7.9	8.0	8.2	8.1	8.1	8.0	7.9	8.0	7.9	7.7	7.8
11	8.4	7.9	8.1	8.3	8.1	8.1	8.0	7.9	8.0	7.9	7.6	7.8
12	8.5	7.9	8.1	8.2	8.1	8.1	8.1	8.0	8.1	7.9	7.6	7.7
13	8.6	7.9	8.1	8.2	8.0	8.1	8.1	8.0	8.0	7.8	7.6	7.6
14	8.5	7.9	8.1	8.2	8.0	8.1	8.2	8.0	8.1	7.8	7.6	7.6
15	8.5	7.9	8.1	8.2	8.0	8.1	8.1	8.0	8.1	8.1	7.4	7.6
16	8.5	7.9	8.2	8.2	8.0	8.1	8.1	8.0	8.0	8.1	7.9	8.0
17	8.6	8.0	8.2	8.2	8.1	8.1	8.0	7.9	7.9	8.0	7.9	7.9
18	8.5	8.0	8.2	8.2	8.1	8.1	7.9	7.8	7.8	8.1	7.8	7.9
19	8.3	8.0	8.1	8.2	8.1	8.1	7.8	7.8	7.8	8.0	7.8	7.9
20	8.4	8.0	8.1	8.2	8.1	8.1	7.9	7.8	7.8	8.0	7.8	7.9
21	8.4	8.0	8.1	8.2	8.1	8.1	7.9	7.8	7.8	7.9	7.7	7.8
22	8.4	8.0	8.1	8.2	8.1	8.2	7.9	7.8	7.8	7.9	7.7	7.8
23	8.3	8.0	8.1	8.3	8.1	8.2	7.9	7.8	7.9	8.0	7.7	7.9
24	8.2	8.0	8.0	8.3	8.1	8.2	8.0	7.8	7.9	8.0	7.8	7.9
25	8.1	7.9	8.0	8.3	8.1	8.1	8.0	7.8	7.9	8.0	7.8	7.9
26	8.0	7.8	7.9	8.2	8.1	8.1	7.9	7.8	7.9	8.0	7.8	7.9
27	8.2	7.9	8.0	8.2	8.1	8.1	8.0	7.8	7.9	8.0	7.8	7.8
28	8.1	7.9	8.0	8.2	8.1	8.2	8.0	7.8	7.9	8.1	7.8	7.9
29	8.1	7.9	8.0	8.2	8.1	8.1	8.0	7.9	7.9	---	---	---
30	8.2	7.9	8.0	8.2	8.1	8.1	7.9	7.8	7.9	8.0	7.8	7.9
31	8.2	7.9	8.0	---	---	---	8.0	7.8	7.9	8.0	7.7	7.8
Max	8.7	8.0	8.2	8.3	8.1	8.2	8.2	8.1	8.1	---	---	---
Min	8.0	7.8	7.9	8.1	7.9	7.9	7.8	7.8	7.8	---	---	---

01611500 CACAPON RIVER NEAR GREAT CACAPON, WV—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
		February			March			April			May	
1	7.8	7.7	7.8	7.6	7.2	7.3	---	---	---	7.4	7.3	7.3
2	7.9	7.7	7.7	7.7	7.2	7.3	---	---	---	7.5	7.3	7.4
3	7.7	7.6	7.6	7.9	7.2	7.4	---	---	---	7.6	7.3	7.4
4	7.7	7.6	7.6	7.6	7.3	7.4	---	---	---	7.7	7.3	7.5
5	7.7	7.6	7.6	7.5	7.3	7.4	8.0	7.8	7.8	7.8	7.4	7.5
6	7.7	7.6	7.6	7.3	7.2	7.2	7.9	7.7	7.8	7.8	7.4	7.5
7	7.7	7.6	7.6	7.2	7.2	7.2	7.9	7.6	7.7	7.8	7.4	7.6
8	7.8	7.6	7.6	7.2	7.2	7.2	7.9	7.6	7.7	7.8	7.5	7.6
9	7.9	7.6	7.6	7.3	7.1	7.2	8.0	7.6	7.8	7.8	7.5	7.6
10	7.8	7.6	7.6	7.3	7.1	7.2	8.0	7.6	7.8	8.0	7.5	7.7
11	7.7	7.4	7.5	7.4	7.2	7.3	8.0	7.6	7.7	7.7	7.3	7.5
12	7.4	7.3	7.4	7.6	7.2	7.3	7.9	7.6	7.6	7.3	6.9	7.1
13	7.3	7.2	7.2	7.7	7.5	7.6	7.6	7.4	7.4	7.0	6.9	6.9
14	7.5	7.1	7.2	7.7	7.5	7.6	7.6	7.4	7.5	7.1	7.0	7.0
15	7.3	7.2	7.3	7.7	7.5	7.6	7.8	7.4	7.4	7.2	7.1	7.2
16	7.6	7.2	7.3	7.8	7.5	7.6	8.0	7.6	7.7	7.3	7.2	7.2
17	7.4	7.3	7.3	7.7	7.5	7.7	8.0	7.6	7.7	7.3	7.2	7.2
18	7.7	7.3	7.4	7.7	7.5	7.6	8.2	7.6	7.8	7.3	7.2	7.2
19	7.8	7.3	7.4	7.6	7.5	7.5	8.2	7.6	7.8	7.4	7.2	7.3
20	7.5	7.2	7.4	7.6	7.4	7.5	7.8	7.5	7.7	7.4	7.2	7.3
21	7.5	7.1	7.2	7.5	7.4	7.4	7.6	6.8	7.2	7.3	7.2	7.3
22	7.4	7.1	7.2	7.4	7.3	7.3	7.2	7.1	7.2	7.3	7.2	7.2
23	7.4	7.2	7.2	7.4	7.2	7.3	7.2	7.1	7.2	7.5	7.2	7.3
24	7.6	7.2	7.3	7.4	7.2	7.3	7.3	7.1	7.2	7.6	7.3	7.4
25	7.7	7.3	7.4	7.4	7.2	7.3	7.4	7.2	7.3	7.8	7.3	7.5
26	7.5	7.3	7.4	7.5	7.2	7.3	7.4	7.3	7.3	8.0	7.4	7.6
27	7.7	7.3	7.4	7.6	7.4	7.4	7.4	7.3	7.4	8.1	7.4	7.5
28	7.5	7.2	7.3	---	---	---	7.4	7.3	7.4	8.3	7.4	7.8
29	7.5	7.1	7.2	---	---	---	7.3	7.3	7.3	8.3	7.4	7.8
30	---	---	---	---	---	---	7.3	7.3	7.3	8.4	7.4	7.9
31	---	---	---	---	---	---	---	---	---	7.9	7.4	7.5
Max	7.9	7.7	7.8	---	---	---	---	---	---	8.4	7.5	7.9
Min	7.3	7.1	7.2	---	---	---	---	---	---	7.0	6.9	6.9

01611500 CACAPON RIVER NEAR GREAT CACAPON, WV—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
		June			July			August			September	
1	8.1	7.3	7.7	---	---	---	8.9	7.7	8.2	8.7	7.7	8.0
2	8.2	7.5	7.7	---	---	---	9.0	7.8	8.2	8.9	7.7	8.0
3	8.0	7.4	7.6	---	---	---	8.8	7.8	8.2	8.9	7.7	7.9
4	7.6	7.3	7.5	---	---	---	8.5	7.7	8.2	8.9	7.7	8.0
5	7.8	7.3	7.4	---	---	---	8.3	7.8	7.9	8.9	7.7	8.0
6	7.7	7.3	7.4	---	---	---	8.7	7.6	8.0	8.2	7.7	7.8
7	8.0	7.3	7.5	---	---	---	8.8	7.6	8.0	8.9	7.6	7.9
8	8.1	7.3	7.6	---	---	---	9.0	7.6	8.0	9.0	7.8	8.0
9	8.1	7.4	7.6	---	---	---	8.9	7.7	8.0	8.7	7.8	7.9
10	8.1	7.4	7.5	---	---	---	8.9	7.8	8.1	8.8	7.8	8.0
11	8.2	7.4	7.6	---	---	---	9.0	7.8	8.1	8.6	7.8	8.0
12	8.2	7.4	7.6	---	---	---	8.9	7.7	8.1	8.3	7.7	7.8
13	8.2	7.4	7.6	---	---	---	9.0	7.8	8.1	8.6	7.6	8.0
14	8.1	7.3	7.6	---	---	---	9.2	7.8	8.2	8.8	7.7	8.0
15	8.2	7.3	7.7	---	---	---	9.2	7.7	8.2	8.8	7.7	8.0
16	8.0	7.4	7.7	8.6	7.7	8.0	9.1	7.7	8.0	8.8	7.8	8.0
17	7.9	7.5	7.6	8.6	7.6	8.0	8.9	7.8	7.9	8.9	7.8	8.1
18	7.9	7.5	7.6	8.7	7.6	8.1	9.0	7.8	8.1	8.8	7.7	8.1
19	7.7	7.4	7.5	8.8	7.6	8.2	8.9	7.8	8.0	8.7	7.8	8.1
20	---	---	---	8.9	7.7	8.2	9.1	7.7	8.0	8.8	7.8	8.2
21	---	---	---	8.9	7.7	8.2	9.0	7.8	8.2	8.8	7.8	8.1
22	---	---	---	8.8	7.8	8.1	9.2	7.8	8.3	8.8	7.8	8.0
23	---	---	---	8.4	7.6	7.8	9.1	7.8	8.2	8.8	7.7	8.0
24	---	---	---	8.4	7.5	7.8	9.1	7.7	8.3	8.8	7.8	8.0
25	---	---	---	8.3	7.6	7.8	9.0	7.7	8.2	8.8	7.8	8.1
26	---	---	---	8.3	7.5	7.8	9.4	7.8	8.4	8.1	7.6	7.9
27	---	---	---	8.5	7.6	7.9	9.1	7.8	8.2	8.4	7.6	7.7
28	---	---	---	8.8	7.6	8.2	8.2	7.6	7.8	8.0	7.5	7.7
29	---	---	---	8.9	7.6	8.4	8.7	7.4	7.7	7.7	7.6	7.7
30	---	---	---	8.9	7.7	8.3	8.7	7.6	8.0	7.8	7.6	7.6
31	---	---	---	8.9	7.6	8.2	8.7	7.7	8.0	---	---	---
Max	---	---	---	---	---	---	9.4	7.8	8.4	9.0	7.8	8.2
Min	---	---	---	---	---	---	8.2	7.4	7.7	7.7	7.5	7.6

01611500 CACAPON RIVER NEAR GREAT CACAPON, WV—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	22.0	18.0	19.7	11.5	10.2	10.8	5.1	3.5	4.2	3.6	3.0	3.4
2	22.6	18.7	20.4	11.0	8.9	9.9	4.2	3.7	4.0	3.0	1.3	2.2
3	23.4	19.3	21.2	10.4	8.2	9.2	4.3	3.5	4.0	1.3	0.0	0.6
4	23.5	20.0	21.7	9.4	8.5	8.9	3.5	2.6	3.1	0.6	0.1	0.2
5	23.4	20.5	21.9	10.2	7.7	8.8	2.6	1.3	1.9	1.2	0.1	0.6
6	24.6	20.9	22.5	9.7	8.4	9.0	1.7	0.5	1.0	2.2	0.9	1.4
7	23.8	21.0	22.4	8.7	7.2	8.2	0.8	0.4	0.6	4.1	2.2	3.2
8	24.9	21.4	23.0	7.7	6.1	6.8	2.0	0.8	1.5	5.2	3.4	4.3
9	24.9	21.9	23.2	6.8	6.2	6.5	2.7	1.9	2.3	7.0	5.0	6.1
10	23.4	20.9	22.1	6.9	6.3	6.6	4.0	2.7	3.3	6.2	5.3	5.6
11	21.0	18.0	19.3	8.0	6.3	7.1	4.7	4.0	4.3	6.7	5.5	6.0
12	18.8	16.4	17.7	8.6	7.3	7.9	5.9	4.7	5.3	6.5	5.5	6.0
13	18.4	14.9	16.4	10.4	8.1	9.1	5.5	5.0	5.3	5.5	4.6	4.9
14	17.6	14.0	15.7	10.3	9.0	9.7	5.7	4.8	5.2	4.6	3.8	4.3
15	17.2	13.7	15.4	10.8	9.1	9.9	5.3	3.4	4.6	3.8	2.9	3.3
16	17.4	14.3	15.9	9.1	7.7	8.4	4.0	3.4	3.6	3.1	2.2	2.7
17	18.7	15.5	17.2	7.7	6.6	6.9	3.5	2.4	3.0	2.4	1.6	2.0
18	18.9	16.7	17.8	6.8	6.5	6.6	2.4	1.6	2.0	3.0	1.6	2.1
19	18.9	17.9	18.4	6.6	6.3	6.5	1.9	1.6	1.8	2.0	1.6	1.8
20	19.5	16.8	17.9	7.5	6.4	7.0	2.3	1.3	1.7	1.6	0.1	0.7
21	18.6	15.2	16.7	9.6	7.5	8.6	2.3	1.6	2.0	0.6	0.1	0.2
22	18.0	14.8	16.4	10.4	8.8	9.5	3.0	2.3	2.7	0.2	0.1	0.1
23	18.0	16.4	17.2	8.8	7.2	8.1	4.5	3.0	3.7	1.0	0.1	0.4
24	18.2	16.9	17.6	7.5	5.8	6.5	4.1	3.0	3.6	0.6	0.1	0.2
25	16.9	15.2	16.1	7.0	5.0	6.0	3.8	2.6	3.2	0.7	0.1	0.2
26	15.2	14.5	14.8	7.0	6.2	6.7	3.1	2.6	2.9	0.5	0.1	0.3
27	15.9	14.3	15.0	7.9	6.5	7.2	3.6	2.9	3.3	0.8	0.2	0.5
28	15.0	13.3	14.4	7.2	5.5	6.2	4.0	3.2	3.6	1.9	0.5	1.0
29	13.3	11.7	12.5	6.9	5.0	5.7	5.1	4.0	4.4	1.1	0.8	1.0
30	12.2	10.5	11.4	5.8	4.2	4.9	4.3	3.3	3.7	2.5	1.0	1.5
31	12.1	10.0	11.1	---	---	---	4.1	3.0	3.5	1.7	0.1	1.0
Month	24.9	10.0	17.8	11.5	4.2	7.8	5.9	0.4	3.2	7.0	0.0	2.2

01611500 CACAPON RIVER NEAR GREAT CACAPON, WV—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	1.1	0.7	0.9	3.5	2.1	2.7	---	---	---	13.1	11.8	12.4
2	1.7	0.8	1.2	4.0	2.1	3.1	---	---	---	14.8	12.1	13.3
3	2.4	1.1	1.7	6.0	3.3	4.7	---	---	---	16.8	14.3	15.4
4	3.5	2.3	2.8	7.0	5.8	6.3	---	---	---	18.3	16.1	17.1
5	4.7	3.5	3.9	7.8	7.0	7.3	12.8	10.5	11.5	18.8	16.2	17.5
6	6.2	4.7	5.4	7.7	6.6	7.2	12.0	11.3	11.6	18.7	16.5	17.7
7	6.2	5.7	6.1	7.2	6.4	6.8	11.5	10.9	11.2	19.0	16.5	17.9
8	5.9	5.1	5.4	6.4	5.4	6.2	12.0	10.7	11.2	18.9	18.2	18.6
9	6.0	4.6	5.3	5.4	4.3	4.9	14.4	11.6	12.8	18.6	17.4	17.8
10	5.5	3.2	4.8	5.5	3.9	4.6	16.0	12.8	14.4	17.6	16.6	17.1
11	3.2	1.6	2.3	6.7	4.9	5.7	16.8	15.4	16.2	16.9	14.1	15.7
12	1.9	0.7	1.0	7.8	5.7	6.7	18.0	16.1	16.9	14.1	11.7	12.8
13	1.1	0.6	0.8	8.5	6.2	7.4	16.7	14.1	15.3	12.9	11.3	12.1
14	2.0	0.1	1.1	10.1	7.6	8.8	14.7	12.8	13.7	13.6	12.6	13.1
15	1.7	0.7	1.2	11.0	9.3	10.2	14.0	11.8	12.9	15.6	13.6	14.6
16	3.1	1.2	2.1	10.8	9.9	10.3	14.3	11.5	13.0	15.4	14.8	15.2
17	3.1	2.3	2.6	10.2	8.0	9.3	15.5	12.3	13.9	14.8	14.0	14.4
18	4.8	3.1	3.9	9.8	8.7	9.0	17.3	13.7	15.5	14.6	13.7	14.2
19	4.6	3.3	3.9	8.7	8.3	8.5	17.5	15.3	16.5	14.8	14.0	14.3
20	3.7	1.6	2.6	9.2	8.0	8.6	17.2	15.6	16.4	14.1	13.5	13.7
21	2.0	0.4	1.3	9.1	7.6	8.4	15.6	12.9	13.9	13.6	12.8	13.1
22	1.8	1.1	1.5	8.6	7.9	8.2	13.8	12.6	13.1	13.6	12.4	13.0
23	2.2	1.8	2.0	8.8	6.8	7.9	14.3	12.9	13.6	15.1	12.7	13.9
24	3.4	1.3	2.5	8.5	7.3	7.9	16.0	13.9	14.9	16.6	13.9	15.2
25	4.2	3.0	3.5	9.1	6.7	7.9	17.3	15.0	16.0	18.1	15.1	16.6
26	3.6	3.4	3.5	11.2	8.2	9.5	18.8	16.4	17.4	19.7	16.6	18.1
27	3.8	2.6	3.4	10.3	9.5	9.8	18.1	16.9	17.4	20.6	18.8	19.6
28	2.6	1.6	2.1	---	---	---	16.9	14.8	15.8	21.2	19.4	20.3
29	2.3	0.8	1.7	---	---	---	14.8	13.4	13.9	21.4	18.6	20.1
30	---	---	---	---	---	---	13.4	12.4	12.8	21.6	19.1	20.4
31	---	---	---	---	---	---	---	---	---	21.2	20.0	20.5
Month	6.2	0.1	2.8	---	---	---	---	---	---	21.6	11.3	16.0

01611500 CACAPON RIVER NEAR GREAT CACAPON, WV—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	21.9	19.8	20.8	---	---	---	28.6	25.9	27.2	25.3	21.7	23.5
2	21.8	19.5	20.8	---	---	---	29.0	26.1	27.4	25.5	21.6	23.5
3	21.9	19.7	21.0	---	---	---	28.2	25.4	26.9	25.7	22.0	23.7
4	21.5	19.9	20.9	---	---	---	27.4	25.3	26.4	26.1	22.3	24.0
5	22.6	19.6	20.9	---	---	---	26.5	25.5	25.8	27.0	23.1	24.8
6	24.1	21.5	22.7	---	---	---	27.8	24.7	26.0	24.9	23.4	24.2
7	26.1	23.1	24.5	---	---	---	27.4	24.7	26.0	25.8	21.8	23.6
8	27.6	24.8	26.2	---	---	---	26.0	23.9	25.0	25.6	21.8	23.6
9	28.7	25.7	27.2	---	---	---	25.6	22.5	24.0	24.4	22.8	23.5
10	28.8	26.5	27.7	---	---	---	25.8	22.5	23.9	24.1	21.6	22.8
11	28.7	26.0	27.4	---	---	---	24.0	22.4	23.0	22.3	21.5	21.8
12	28.4	25.6	27.0	---	---	---	25.7	21.2	23.1	22.2	21.2	21.7
13	28.5	25.9	27.1	---	---	---	25.6	21.2	23.2	23.3	21.5	22.3
14	27.8	26.1	26.8	---	---	---	25.1	22.5	23.4	25.7	22.5	23.9
15	28.0	25.0	26.4	---	---	---	24.0	22.1	22.9	25.4	23.1	24.3
16	26.4	24.2	25.2	27.9	25.0	26.5	25.5	21.3	23.2	23.7	21.5	22.5
17	24.2	22.4	23.2	28.4	25.3	26.9	25.9	21.5	23.5	23.7	19.8	21.5
18	22.5	20.9	21.8	29.8	26.2	27.9	26.8	22.1	24.1	22.9	19.4	21.1
19	21.9	20.1	21.1	30.0	26.4	28.3	26.3	22.3	24.3	21.2	18.6	20.0
20	---	---	---	30.3	26.9	28.6	26.7	22.1	24.2	21.3	17.8	19.4
21	---	---	---	30.0	27.0	28.6	26.4	22.0	24.1	22.2	17.9	19.8
22	---	---	---	29.8	27.0	28.4	26.8	22.4	24.4	22.3	18.4	20.2
23	---	---	---	28.3	25.7	26.9	27.1	22.4	24.5	22.3	19.0	20.3
24	---	---	---	27.1	24.3	25.6	27.7	22.9	25.0	22.0	17.8	19.7
25	---	---	---	26.0	23.6	24.9	27.2	23.6	25.3	20.2	18.0	19.1
26	---	---	---	26.5	23.8	25.1	26.5	23.0	24.6	19.1	17.6	18.2
27	---	---	---	27.3	25.1	26.0	23.9	22.0	22.8	19.5	18.2	18.7
28	---	---	---	27.4	24.6	26.0	22.4	20.8	21.4	19.6	19.2	19.4
29	---	---	---	28.9	25.2	27.0	22.9	20.5	21.4	19.5	18.9	19.2
30	---	---	---	28.9	26.0	27.3	23.6	21.4	22.3	19.1	18.2	18.6
31	---	---	---	28.3	26.2	27.2	25.4	22.3	23.6	---	---	---
Month	---	---	---	---	---	---	29.0	20.5	24.3	27.0	17.6	21.6

01611500 CACAPON RIVER NEAR GREAT CACAPON, WV—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	10.9	8.5	9.3	11.0	10.4	10.6	14.1	12.8	13.1	13.1	12.8	12.9
2	10.6	8.2	9.1	11.4	10.6	11.0	13.2	12.8	13.0	13.6	12.9	13.3
3	10.7	7.9	8.9	11.6	10.9	11.2	13.3	12.6	12.9	14.6	13.5	14.1
4	10.9	7.7	8.8	11.6	10.8	11.2	13.9	12.9	13.2	14.6	14.3	14.5
5	11.0	7.4	8.6	11.7	11.0	11.2	13.9	13.2	13.6	14.3	13.8	14.2
6	10.9	7.6	8.6	11.7	10.7	11.2	14.8	13.7	14.2	14.0	13.4	13.8
7	10.7	7.5	8.5	12.2	11.5	11.8	14.6	14.3	14.4	13.5	12.8	13.2
8	10.9	7.4	8.5	12.9	12.0	12.4	14.6	13.9	14.2	13.1	12.3	12.7
9	10.7	7.2	8.4	12.6	12.2	12.4	13.9	13.4	13.7	12.5	11.8	12.1
10	10.4	7.0	8.2	12.6	12.2	12.3	13.4	12.8	13.1	12.5	11.7	12.0
11	9.9	7.4	8.4	12.9	12.2	12.4	13.1	12.7	12.9	12.3	11.6	11.9
12	11.1	8.0	9.1	12.5	11.8	12.1	12.9	12.6	12.8	12.5	11.5	11.9
13	11.7	8.6	9.6	12.1	11.4	11.7	12.6	12.5	12.5	12.5	11.9	12.2
14	11.6	8.8	9.8	11.9	11.2	11.4	12.8	12.4	12.6	12.8	12.1	12.4
15	11.6	9.0	9.9	11.4	10.8	11.1	13.0	12.5	12.8	13.3	12.3	12.9
16	11.6	8.9	9.8	12.1	11.1	11.6	13.0	12.8	12.9	13.8	13.0	13.4
17	10.8	8.8	9.6	12.7	11.7	12.2	13.2	12.8	13.1	13.8	13.4	13.6
18	10.4	8.4	9.2	12.6	12.1	12.3	13.7	13.2	13.5	14.0	13.5	13.6
19	9.5	8.2	8.6	12.7	12.3	12.4	13.7	13.5	13.6	14.1	13.5	13.7
20	10.0	8.1	8.8	12.7	12.1	12.3	13.9	13.7	13.8	14.5	13.5	14.0
21	10.3	8.6	9.2	12.3	11.5	11.9	13.9	13.6	13.7	14.9	14.4	14.6
22	10.5	8.9	9.4	11.7	11.2	11.4	13.6	13.4	13.5	14.7	14.3	14.6
23	9.8	8.5	9.0	12.2	11.2	11.7	13.4	12.7	13.0	14.5	14.1	14.3
24	9.2	8.3	8.6	12.8	11.9	12.3	13.1	12.7	12.9	14.5	14.2	14.3
25	9.2	8.5	8.9	13.1	12.4	12.6	13.3	12.9	13.1	14.7	14.4	14.5
26	9.8	9.1	9.4	12.4	11.9	12.2	13.4	13.1	13.2	14.6	14.1	14.4
27	10.1	9.4	9.7	12.3	11.8	12.0	13.3	13.0	13.1	14.3	13.9	14.1
28	10.2	9.5	9.9	12.7	12.0	12.3	13.3	12.8	13.0	14.4	13.7	14.0
29	10.8	10.0	10.3	12.9	12.3	12.4	12.9	12.5	12.7	---	---	---
30	11.0	10.4	10.6	13.5	12.5	12.8	13.0	12.5	12.7	14.0	13.3	13.7
31	11.1	10.5	10.7	---	---	---	13.2	12.7	12.9	14.5	13.6	14.1
Month	11.7	7.0	9.2	13.5	10.4	11.9	14.8	12.4	13.2	---	---	---

01611500 CACAPON RIVER NEAR GREAT CACAPON, WV—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	14.1	13.8	14.0	13.3	12.9	13.1	---	---	---	10.6	10.2	10.4
2	14.1	13.7	13.8	13.3	12.6	13.0	---	---	---	10.4	9.8	10.2
3	13.7	13.3	13.5	12.8	11.9	12.5	---	---	---	10.0	9.2	9.7
4	13.3	12.8	13.2	11.9	11.3	11.7	---	---	---	9.7	9.0	9.3
5	12.8	12.3	12.7	11.4	10.9	11.1	10.9	9.8	10.4	9.7	8.9	9.2
6	12.3	11.8	12.1	11.1	10.8	10.9	10.2	9.2	9.8	9.8	8.8	9.2
7	12.0	11.6	11.8	11.3	10.9	11.2	10.4	9.3	9.8	9.8	8.6	9.2
8	12.4	11.8	12.1	11.4	11.2	11.2	11.0	8.7	9.6	9.2	8.4	8.8
9	12.6	12.0	12.3	12.3	11.4	11.9	11.7	8.5	9.8	9.5	8.3	8.9
10	12.7	12.0	12.3	12.6	12.1	12.4	11.8	8.8	10	10.0	8.7	9.2
11	13.8	12.6	13.3	12.4	11.6	12.1	10.1	8.5	9.1	9.3	9.1	9.2
12	14.0	13.4	13.8	12.1	11.6	11.8	10.2	5.6	8.4	9.9	9.3	9.7
13	13.9	13.6	13.8	12.0	11.6	11.9	9.0	5.3	8.2	10.2	9.9	10.1
14	14.2	13.6	13.8	11.9	11.0	11.4	10.2	8.7	9.5	10.0	9.7	9.9
15	14.0	13.5	13.7	11.0	10.3	10.8	11.1	9.3	10.2	9.7	9.4	9.6
16	13.8	13.2	13.5	11.2	10.1	10.7	10.9	10.2	10.5	9.4	9.2	9.3
17	13.4	12.8	13.2	11.4	10.6	11.1	10.9	9.9	10.4	9.5	9.3	9.4
18	12.8	12.4	12.7	11.3	10.8	11.1	10.5	9.4	10	9.6	9.4	9.5
19	12.9	12.3	12.6	11.2	10.6	10.9	10.3	9.2	9.6	9.8	9.4	9.6
20	13.5	12.5	13.1	11.3	10.6	11.0	9.8	8.9	9.3	9.7	9.5	9.6
21	14.1	13.3	13.7	11.4	10.6	11.0	10.0	9.1	9.6	9.7	9.6	9.7
22	13.8	13.3	13.5	11.2	10.7	10.9	10.2	10.0	10.1	9.9	9.7	9.8
23	13.5	13.0	13.2	11.5	10.6	11.0	10.2	9.9	10.0	10.1	9.6	9.9
24	13.6	12.8	13.3	11.4	10.8	11.1	9.9	9.6	9.8	9.8	9.3	9.6
25	13.1	12.6	12.8	11.6	11.1	11.4	9.6	9.3	9.5	9.8	9.0	9.4
26	12.7	12.3	12.5	11.3	10.6	11.0	9.4	8.9	9.2	9.6	8.5	9.1
27	12.9	12.2	12.5	11.3	10.3	10.8	9.2	8.9	9.0	9.3	8.3	8.7
28	13.6	12.7	13.2	---	---	---	9.6	9.1	9.3	9.4	7.9	8.7
29	13.8	13.2	13.5	---	---	---	9.9	9.6	9.7	9.6	8.2	8.8
30	---	---	---	---	---	---	10.3	9.9	10.1	9.6	8.1	8.8
31	---	---	---	---	---	---	---	---	---	8.8	7.9	8.2
Month	14.2	11.6	13.1	---	---	---	---	---	---	10.6	7.9	9.4

01611500 CACAPON RIVER NEAR GREAT CACAPON, WV—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	9.1	7.9	8.4	---	---	---	10.2	6.7	8.2	11.3	7.4	8.7
2	9.2	7.9	8.4	---	---	---	10.6	6.7	8.1	12.6	7.0	8.9
3	8.9	7.8	8.2	---	---	---	10.0	6.7	8.1	12.7	7.0	9.0
4	8.4	7.6	8.0	---	---	---	9.1	7.2	7.9	12.9	6.7	8.9
5	8.6	7.8	8.2	---	---	---	8.6	7.0	7.7	12.2	6.5	8.6
6	8.2	7.6	7.9	---	---	---	9.5	6.9	8.0	9.1	6.4	7.4
7	8.4	7.3	7.8	---	---	---	10.0	6.6	7.9	13.1	6.7	8.6
8	8.2	6.9	7.4	---	---	---	10.9	6.5	8.2	12.3	6.6	8.8
9	8.1	6.6	7.3	---	---	---	10.8	7.2	8.6	10.9	6.8	8.1
10	8.0	6.5	7.1	---	---	---	10.4	7.1	8.6	11.7	7.2	9.0
11	8.2	6.5	7.2	---	---	---	11.6	7.1	8.9	11.3	7.3	8.7
12	8.2	6.5	7.3	---	---	---	11.3	7.2	8.9	9.5	7.1	8.1
13	8.4	6.5	7.2	---	---	---	11.8	7.3	9.0	10.6	6.3	8.3
14	8.0	6.4	7.0	---	---	---	11.5	7.3	8.8	11.6	6.6	8.5
15	8.4	6.5	7.2	---	---	---	12.2	7.2	9.0	11.5	6.3	8.3
16	7.8	6.4	7.2	9.9	7.8	8.6	12.0	7.4	9.1	11.5	7.1	9.0
17	8.2	6.5	7.4	10.0	7.6	8.6	11.4	7.4	8.9	12.0	7.2	9.1
18	8.3	6.3	7.2	10.1	7.4	8.4	11.7	7.3	8.9	11.4	7.1	9.0
19	7.8	6.8	7.2	10.3	7.2	8.4	11.0	7.0	8.6	11.2	7.5	9.3
20	---	---	---	10.9	7.1	8.4	11.9	6.8	9.0	12.1	7.6	9.4
21	---	---	---	10.7	6.8	8.4	12.0	7.2	9.1	11.8	7.8	9.3
22	---	---	---	10.5	6.8	8.2	12.2	7.0	9.2	11.8	7.1	9.1
23	---	---	---	9.6	7.0	7.8	12.3	7.0	9.1	11.6	7.1	8.9
24	---	---	---	9.9	7.5	8.4	12.3	6.7	9.0	11.9	7.5	9.3
25	---	---	---	9.6	7.7	8.6	11.9	6.5	8.9	11.8	7.6	9.3
26	---	---	---	9.4	7.9	8.5	13.5	6.7	9.6	9.8	7.3	8.4
27	---	---	---	9.6	7.5	8.3	13.2	6.8	9.3	10.6	7.3	8.5
28	---	---	---	10.3	7.3	8.5	9.8	7.0	8.1	8.8	7.1	8.4
29	---	---	---	10.4	7.2	8.4	11.6	7.0	8.7	8.7	8.4	8.6
30	---	---	---	10.2	6.9	8.0	11.4	7.7	8.8	8.9	8.4	8.6
31	---	---	---	10.5	6.6	8.1	10.7	7.9	8.8	---	---	---
Month	---	---	---	---	---	---	13.5	6.5	8.7	13.1	6.3	8.7