

01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD

Potomac Basin
Lower Potomac Subbasin

LOCATION.--Lat 38°35'46.1", long 77°03'21.7" referenced to North American Datum of 1983, Charles County, MD, Hydrologic Unit 02070011, on bank at left downstream side of bridge on State Highway 227, 30 ft downstream from Old Womans Run, 1.2 mi southeast of Pomonkey, and 12.6 mi upstream from mouth.

DRAINAGE AREA.--54.8 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 1949 to September 1972, January 2001 to current year.

REVISED RECORDS.--WDR MD-DE-02-1.

GAGE.--Water-stage recorder and concrete control. Datum of gage 40 feet above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Water-discharge records good. Low flow affected by ground-water diversions from municipal well fields at Waldorf and St. Charles. U.S. Geological Survey gage-height telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 7	1130	541	5.26
Nov 9	1545	747	5.55
Nov 13	1230	607	5.36
Nov 16	2015	1,570	6.31
Nov 17	0615	*3,210	*7.17
Nov 24	0245	476	5.15
Jan 2	1245	627	5.39
Jan 9	0800	593	5.34
Mar 17	1430	1,330	6.13
Apr 16	1100	1,760	6.44

Minimum discharge, 0.00 ft³/s, on many days.

01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	15	28	57	276	34	114	36	40	2.2	0.00	1.8	0.00
2	11	26	53	566	39	240	37	33	1.7	0.00	1.4	0.00
3	7.7	25	48	258	41	308	36	29	2.4	0.00	0.28	0.00
4	5.8	20	45	116	35	132	43	27	9.6	0.00	0.00	0.00
5	4.8	28	42	100	28	84	49	31	14	0.00	0.00	0.00
6	212	25	42	124	30	63	39	42	7.7	0.00	41	0.00
7	468	21	41	98	27	55	37	32	4.9	0.00	31	0.00
8	178	260	36	309	26	54	36	26	3.5	0.00	12	0.00
9	59	650	34	538	26	52	33	24	2.2	0.00	5.1	0.00
10	41	365	34	221	25	49	32	23	1.0	0.00	3.1	0.00
11	33	113	34	112	25	50	31	21	0.49	0.00	2.3	0.00
12	29	253	34	87	25	46	119	18	0.00	0.00	1.2	0.00
13	22	552	35	77	28	42	112	22	4.4	0.00	0.04	0.00
14	18	303	36	70	49	41	60	26	24	0.00	0.00	0.00
15	16	132	35	64	102	40	515	18	12	0.00	0.00	1.2
16	14	432	33	56	68	415	1,490	46	5.8	0.00	0.00	14
17	17	2,240	31	49	48	1,190	576	166	3.6	0.00	0.00	7.0
18	41	750	31	47	42	633	172	65	2.2	0.00	0.00	3.6
19	32	213	31	49	36	177	114	38	0.84	0.00	0.00	2.3
20	29	123	30	46	43	111	89	26	0.21	0.00	0.00	1.5
21	27	89	29	43	95	83	67	19	0.17	0.00	41	0.73
22	22	104	34	53	106	70	55	14	0.00	0.00	85	0.32
23	19	333	90	66	77	63	50	11	0.00	0.00	27	0.01
24	16	380	70	60	54	56	47	8.4	0.00	0.00	13	0.00
25	13	151	59	52	54	52	44	7.1	0.00	0.00	6.5	0.00
26	11	100	157	45	105	48	41	6.0	0.00	0.00	5.1	0.00
27	11	81	116	43	162	46	57	5.4	0.00	0.00	5.0	0.00
28	138	72	69	44	176	44	113	5.5	0.00	0.00	3.5	0.00
29	249	63	54	41	---	41	71	4.6	0.00	0.19	2.1	0.00
30	90	59	48	36	---	37	49	3.6	0.00	8.4	1.2	0.00
31	44	---	44	35	---	36	---	2.9	---	1.6	0.39	---
Total	1,893.3	7,991	1,532	3,781	1,606	4,472	4,250	840.5	102.91	10.19	289.01	30.66
Mean	61.1	266	49.4	122	57.4	144	142	27.1	3.43	0.33	9.32	1.02
Max	468	2,240	157	566	176	1,190	1,490	166	24	8.4	85	14
Min	4.8	20	29	35	25	36	31	2.9	0.00	0.00	0.00	0.00
Cfsm	1.11	4.86	0.90	2.23	1.05	2.63	2.59	0.49	0.06	0.01	0.17	0.02
In.	1.29	5.42	1.04	2.57	1.09	3.04	2.89	0.57	0.07	0.01	0.20	0.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 – 1972, 2001 – 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	23.5	49.0	70.7	76.4	106	120	88.7	46.6	42.9	15.9	25.8	21.5
Max	142	266	249	151	276	305	203	179	325	80.0	411	145
(WY)	(1956)	(2007)	(2004)	(1952)	(1961)	(1958)	(1970)	(2003)	(1972)	(2006)	(1955)	(2003)
Min	0.00	0.02	3.28	11.4	7.38	18.7	29.6	7.16	0.35	0.00	0.00	0.00
(WY)	(1955)	(1955)	(1966)	(1955)	(2002)	(2006)	(1950)	(1957)	(2002)	(1957)	(1954)	(1954)

01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued

SUMMARY STATISTICS

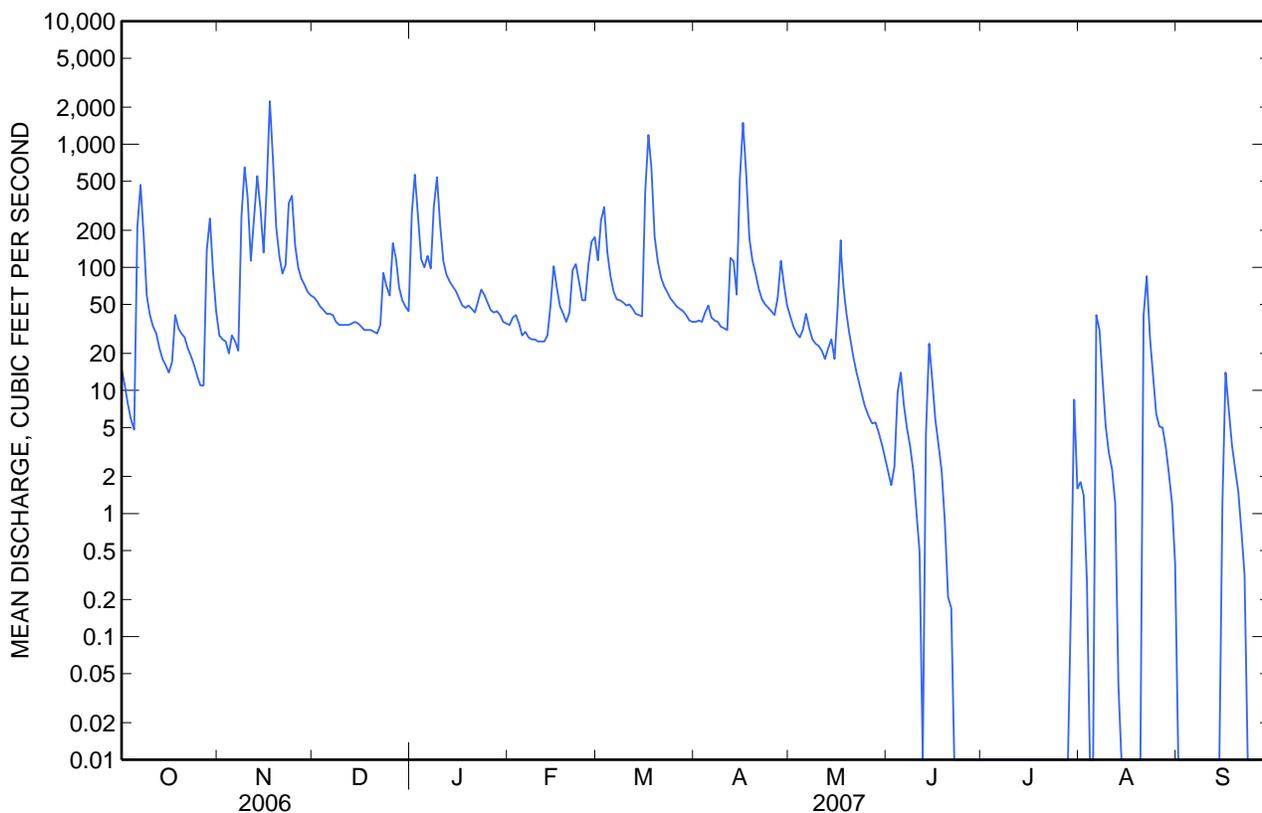
	Calendar Year 2006		Water Year 2007		Water Years 1950 – 1972, 2001 – 2007	
Annual total	28,197.01		26,798.57			
Annual mean	77.3		73.4		57.7	
Highest annual mean					118	2003
Lowest annual mean					9.34	2002
Highest daily mean	2,240	Nov 17	2,240	Nov 17	5,610	Aug 13, 1955
Lowest daily mean	0.00	Jun 18 ^a	0.00	Jun 12 ^b	0.00	Jun 29, 1950 ^b
Annual seven-day minimum	0.00	Aug 18	0.00	Jun 22	0.00	Jun 29, 1950
Maximum peak flow			3,210	Nov 17	^c 9,300	Aug 13, 1955
Maximum peak stage			7.17	Nov 17	7.52	Aug 13, 1955
Instantaneous low flow			0.00	Jun 12 ^b	0.00	Nov 30, 1949 ^d
Annual runoff (cfsm)	1.41		1.34		1.05	
Annual runoff (inches)	19.14		18.19		14.32	
10 percent exceeds	170		153		130	
50 percent exceeds	28		31		23	
90 percent exceeds	2.0		0.00		0.00	

^a June 18, 19, Aug. 18-31.

^b Many days.

^c From rating curve extended above 6,000 ft³/s for the period 1950-1972.

^d No flow at times in each year.



01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1961, 1964, 2001 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 2003 to current year.

WATER TEMPERATURE: March 2003 to current year.

pH: March 2003 to current year.

TURBIDITY: October 2003 to current year.

DISSOLVED OXYGEN: October 2004 to current year.

INSTRUMENTATION.--Water-quality monitor December 2003 to current year. Automatic sampler January 2001 to current year.

REMARKS.--Records good, except for missing record due to periodic instrument malfunction and periods of no flow.

COOPERATION.--Funding for water-quality data collection and analysis is provided by the Charles County Government and the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 721 microsiemens/cm, Feb. 16, 2007; minimum, 36 microsiemens/cm, Nov. 16, 2006.

WATER TEMPERATURE: Maximum, 29.1°C, Aug. 3, 2006; minimum, 0.0°C, on several days.

pH: Maximum, 7.3 standard units, May 20, 21, 22, 2006; minimum, 5.2 standard units, May 16, 2003.

TURBIDITY: Maximum, 830 FNU, Jun. 25, 26, 2006 and Nov 16, 2006; minimum, 0.0 FNU, on several days.

DISSOLVED OXYGEN: Maximum, 16.6 mg/L, Feb. 6, 2007; minimum, 3.9 mg/L, Jun. 20, 2007.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 721 microsiemens/cm, Feb. 16, 2007; minimum, 36 microsiemens/cm, Nov. 16, 2006.

WATER TEMPERATURE: Maximum, 25.7°C, June 19, 2007; minimum, 0.0°C, on several days.

pH: Maximum, 7.0 standard units, on several days; minimum, 5.5 standard units, Nov. 16, 2006.

TURBIDITY: Maximum, 830 FNU, Nov. 16, 2006; minimum, 1.2 FNU, Oct. 25, 2006.

DISSOLVED OXYGEN: Maximum, 16.6 mg/L, Feb. 6, 2007; minimum, 3.9 mg/L, Jun 20, 2007.

01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	122	119	120	115	109	112	108	107	108	---	---	---
2	122	121	122	120	115	116	109	108	109	---	---	---
3	124	122	123	120	117	118	111	109	110	---	---	---
4	125	124	124	119	118	118	---	---	---	---	---	---
5	127	125	126	120	118	119	116	115	115	97	94	95
6	125	83	99	118	109	112	118	116	116	98	94	96
7	93	91	92	109	108	109	118	116	117	101	98	100
8	105	92	100	111	81	95	117	116	117	99	73	81
9	111	105	108	92	82	87	119	117	118	80	77	79
10	113	110	111	91	81	86	120	119	119	89	79	84
11	123	113	118	100	91	95	120	119	119	95	89	92
12	122	114	117	102	77	93	119	118	118	98	95	96
13	125	114	120	88	81	85	119	118	118	101	97	99
14	131	125	128	97	88	93	119	118	118	103	100	102
15	133	130	132	103	97	100	118	118	118	105	103	104
16	---	---	---	105	36	84	119	118	119	107	105	106
17	128	121	125	59	43	50	120	119	119	109	105	106
18	125	120	122	75	57	66	119	118	119	109	107	108
19	128	122	125	89	75	84	119	118	119	109	107	108
20	129	125	126	95	89	92	120	119	119	113	107	109
21	127	123	124	99	95	97	120	120	120	130	113	116
22	125	123	124	102	87	99	120	114	119	165	117	148
23	---	---	---	87	80	85	119	112	115	276	157	207
24	127	126	126	84	78	80	118	115	117	314	275	299
25	127	127	127	92	84	88	118	107	115	294	261	276
26	127	126	126	96	91	94	109	104	106	266	237	253
27	127	123	126	100	95	97	105	103	104	239	214	226
28	123	97	109	103	98	101	105	103	104	214	194	203
29	107	104	105	---	---	---	107	105	106	195	186	190
30	109	106	107	---	---	---	108	107	107	190	178	183
31	110	106	107	---	---	---	---	---	---	185	181	184
Month	---	---	---	---	---	---	---	---	---	---	---	---

01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

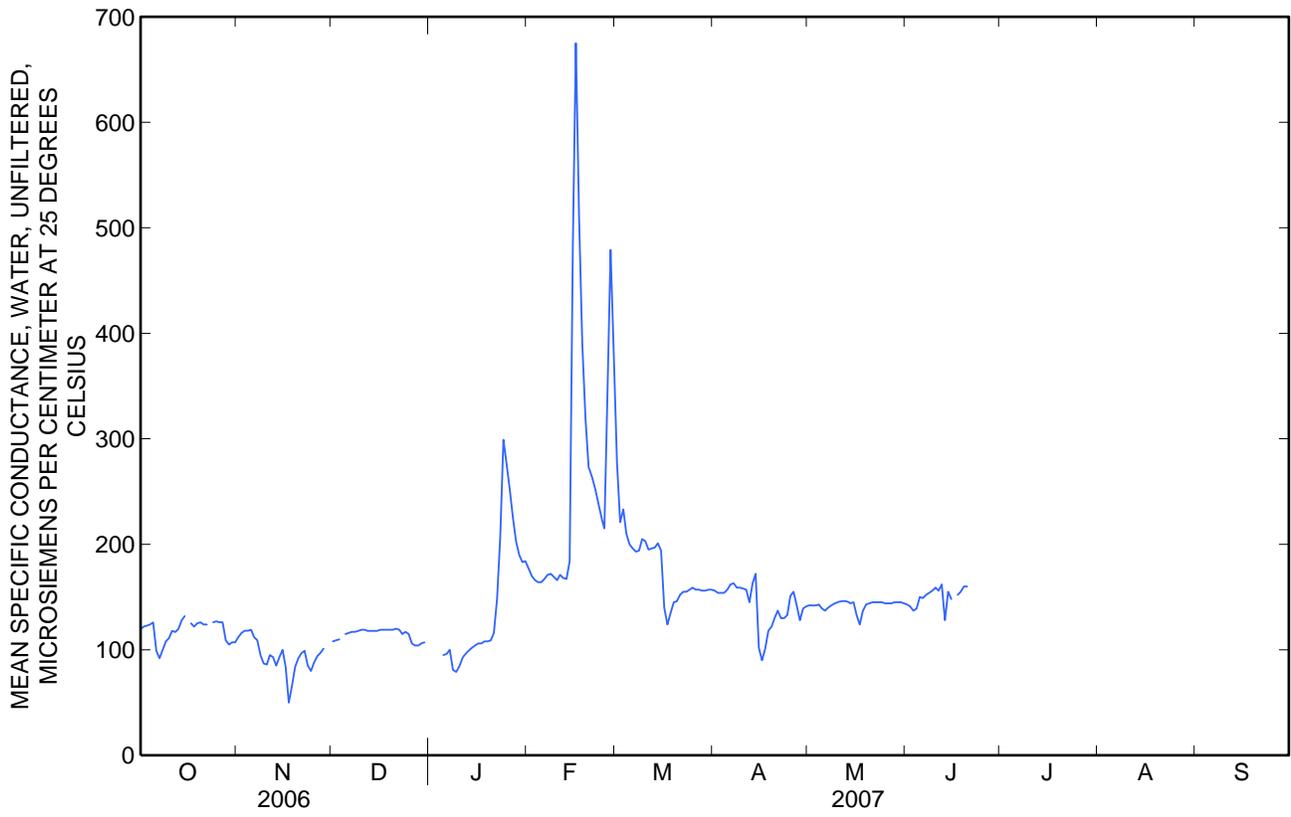
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	182	174	177	325	243	278	157	154	156	143	141	142
2	174	167	170	244	190	221	155	153	154	143	140	142
3	169	162	166	242	222	233	155	153	154	143	142	142
4	166	161	164	223	200	210	157	151	154	144	141	143
5	171	146	164	204	196	200	161	155	157	143	131	139
6	180	148	167	198	194	196	164	160	162	140	133	137
7	175	163	171	195	191	193	165	161	163	142	138	140
8	181	163	172	201	189	194	162	154	159	143	141	142
9	179	159	169	209	199	205	160	158	159	145	142	144
10	174	145	166	205	200	203	159	156	158	146	144	145
11	176	159	171	201	192	195	158	155	157	147	145	146
12	173	163	168	199	194	196	155	123	145	147	145	146
13	170	165	167	202	195	197	171	154	163	151	142	146
14	241	159	184	205	197	201	178	167	172	150	142	144
15	712	224	484	200	180	194	167	63	102	149	142	145
16	721	594	675	189	79	140	93	77	90	149	88	133
17	600	426	510	140	82	124	113	91	101	131	97	124
18	446	349	391	142	131	135	120	113	118	142	130	137
19	350	284	320	148	142	145	126	118	122	144	142	143
20	303	241	273	149	144	146	134	122	130	145	144	144
21	304	231	265	156	148	152	139	133	137	146	144	145
22	284	235	254	157	155	155	136	129	130	147	143	145
23	247	233	240	157	154	155	131	129	130	147	143	145
24	235	218	227	158	156	157	142	131	133	146	144	145
25	248	205	215	160	158	159	158	142	151	146	143	144
26	453	235	341	159	155	157	158	151	155	146	142	144
27	532	400	479	157	156	157	152	135	142	146	142	144
28	435	317	380	161	156	156	137	120	128	146	144	145
29	---	---	---	157	153	156	142	135	139	146	144	145
30	---	---	---	158	156	157	142	140	141	147	143	145
31	---	---	---	158	156	157	---	---	---	145	142	144
Month	721	145	265	325	79	178	178	63	142	151	88	142

01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	145	141	143	---	---	---	---	---	---	---	---	---
2	143	140	141	---	---	---	---	---	---	---	---	---
3	143	132	137	---	---	---	---	---	---	---	---	---
4	155	134	139	---	---	---	---	---	---	---	---	---
5	155	147	150	---	---	---	---	---	---	---	---	---
6	151	147	149	---	---	---	---	---	---	---	---	---
7	154	150	152	---	---	---	---	---	---	---	---	---
8	156	153	154	---	---	---	---	---	---	---	---	---
9	159	155	156	---	---	---	---	---	---	---	---	---
10	161	158	159	---	---	---	---	---	---	---	---	---
11	161	149	156	---	---	---	---	---	---	---	---	---
12	166	150	162	---	---	---	---	---	---	---	---	---
13	150	117	128	---	---	---	---	---	---	---	---	---
14	169	148	155	---	---	---	---	---	---	---	---	---
15	152	146	148	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	154	151	152	---	---	---	---	---	---	---	---	---
18	158	153	155	---	---	---	---	---	---	---	---	---
19	161	158	160	---	---	---	---	---	---	---	---	---
20	161	140	160	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued



01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	17.1	15.5	16.2	14.2	12.2	13.2	15.3	12.8	14.2	---	---	---
2	16.6	14.7	15.9	13.7	11.5	13.1	14.1	9.6	11.4	9.0	6.7	7.8
3	17.8	15.9	16.9	11.5	8.4	9.9	9.6	8.0	8.5	6.7	5.2	6.0
4	19.0	17.0	18.1	8.4	6.7	7.5	---	---	---	7.9	5.5	6.7
5	18.7	17.4	18.2	7.9	6.2	7.1	5.2	3.9	4.5	10.5	7.9	9.0
6	17.4	14.5	15.6	8.5	6.7	7.5	5.1	3.2	4.2	12.7	10.5	11.7
7	14.5	13.8	14.0	9.1	7.0	8.0	6.6	4.5	5.7	12.0	10.2	10.8
8	15.7	14.2	14.9	12.9	9.1	11.9	4.5	2.1	3.1	10.4	8.2	9.8
9	15.9	14.3	15.2	14.2	12.5	13.3	2.5	1.0	1.8	8.2	6.0	6.8
10	16.6	15.0	15.8	13.9	11.8	13.0	3.5	1.3	2.4	6.3	4.4	5.1
11	16.8	15.9	16.4	14.7	12.6	13.7	4.7	2.6	3.6	4.4	2.9	3.7
12	17.6	15.7	16.9	14.5	11.2	12.8	5.7	3.5	4.6	6.4	4.1	5.0
13	15.7	12.3	13.7	11.8	11.1	11.4	7.2	5.4	6.3	9.2	6.4	7.9
14	12.3	10.5	11.5	13.6	11.8	12.7	7.8	6.2	6.9	11.0	9.2	10.1
15	11.4	9.6	10.7	13.4	12.5	13.0	7.8	5.8	6.9	12.3	10.7	11.5
16	11.8	9.6	10.8	16.8	13.3	14.6	7.3	6.0	6.7	12.4	8.6	11.1
17	13.9	11.8	12.6	15.1	12.5	14.4	7.2	5.1	6.2	8.6	4.1	5.9
18	15.7	13.8	14.9	12.5	10.3	11.1	8.7	6.2	7.4	4.1	3.1	3.6
19	16.5	15.5	16.1	10.3	9.1	9.7	8.7	6.9	8.2	5.3	3.8	4.3
20	17.3	15.2	16.5	9.4	7.9	8.5	6.9	5.1	5.8	4.0	2.6	3.4
21	15.2	12.8	14.0	7.9	6.6	7.3	6.3	5.0	5.6	2.6	1.1	1.8
22	13.1	11.5	12.4	8.0	7.6	7.7	8.6	6.3	7.1	2.9	1.3	2.2
23	---	---	---	8.2	7.5	7.8	10.2	8.6	9.5	3.9	2.6	3.2
24	10.8	9.8	10.2	9.1	7.4	8.3	9.2	6.7	7.8	3.9	2.8	3.3
25	10.0	8.8	9.5	8.5	7.0	7.9	7.5	6.1	6.5	3.9	2.2	3.4
26	9.6	8.0	9.0	8.8	7.0	8.0	8.7	7.4	8.1	2.2	0.5	1.3
27	10.4	9.2	9.6	9.1	7.4	8.4	8.5	6.5	7.6	3.5	0.8	2.1
28	13.6	10.4	12.4	9.5	7.9	8.8	6.5	5.1	5.8	3.8	3.0	3.6
29	12.0	10.5	11.1	---	---	---	6.6	5.3	6.0	3.0	0.9	1.7
30	11.3	9.2	10.4	---	---	---	6.6	5.4	5.9	2.0	0.0	1.0
31	12.7	10.6	11.6	---	---	---	---	---	---	1.7	0.2	0.9
Month	---	---	---	---	---	---	---	---	---	---	---	---

01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

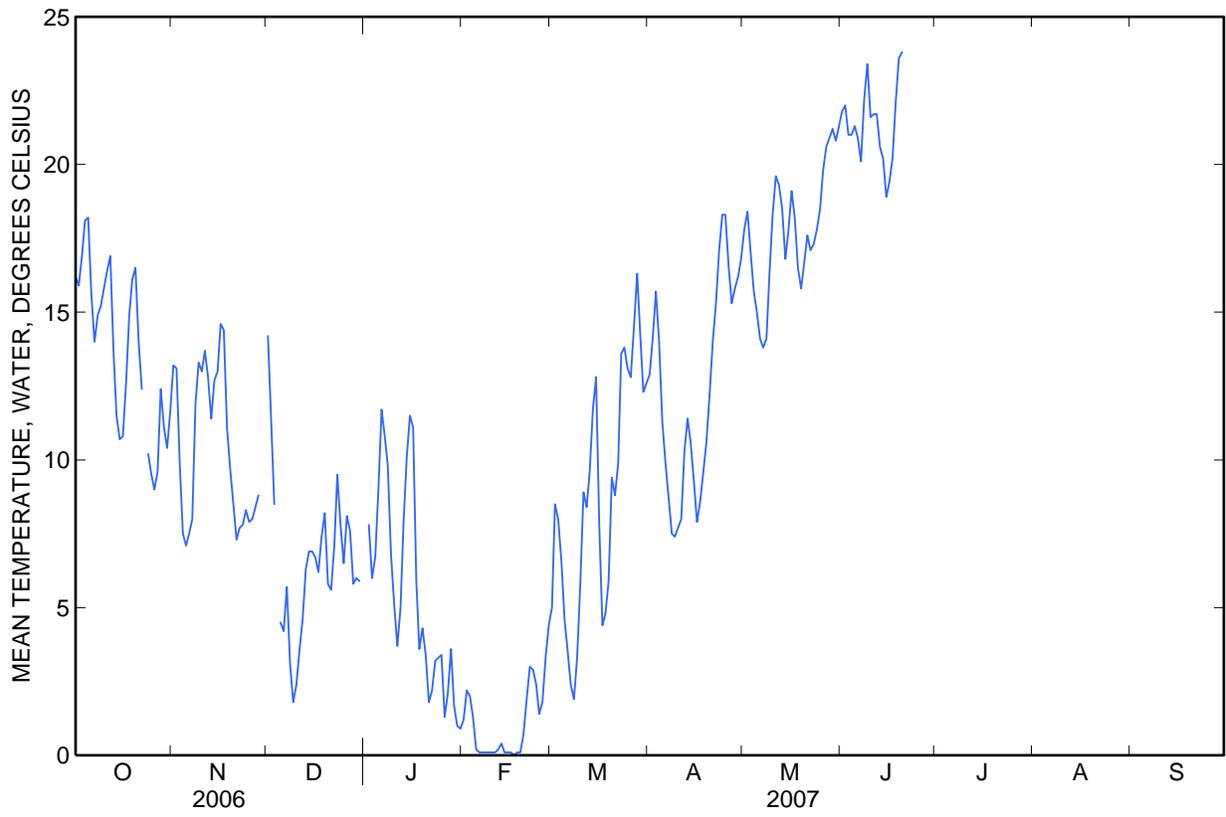
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	1.8	0.7	1.2	6.3	3.8	5.0	13.6	12.0	12.9	19.3	16.5	17.8
2	2.6	1.7	2.2	10.3	6.3	8.5	16.4	11.9	14.2	20.0	16.8	18.4
3	2.8	1.3	2.0	9.1	6.2	8.0	18.3	13.2	15.7	18.5	15.8	17.0
4	2.1	0.4	1.3	8.5	5.3	6.6	15.7	12.2	14.0	16.8	14.6	15.7
5	0.8	0.0	0.2	5.4	3.4	4.6	12.7	9.7	11.3	15.6	14.1	15.0
6	0.1	0.0	0.1	4.6	2.4	3.5	11.6	8.5	9.9	15.2	13.0	14.1
7	0.2	0.0	0.1	3.0	1.4	2.4	9.9	7.4	8.7	15.2	12.3	13.8
8	0.1	0.0	0.1	3.6	0.2	1.9	9.6	6.1	7.5	15.8	11.9	14.1
9	0.1	0.0	0.1	5.1	1.7	3.3	9.0	6.0	7.4	17.9	14.8	16.4
10	0.3	0.0	0.1	8.0	3.6	5.8	9.9	5.7	7.7	19.3	17.2	18.3
11	0.3	0.0	0.1	10.6	7.6	8.9	9.0	6.6	8.0	20.7	18.4	19.6
12	0.4	0.0	0.2	9.8	6.8	8.4	12.4	8.4	10.3	20.1	18.2	19.3
13	0.5	0.3	0.4	11.5	7.8	9.6	12.7	10.2	11.4	19.3	17.4	18.5
14	0.3	0.0	0.1	13.7	9.7	11.7	11.2	9.8	10.6	18.0	15.2	16.8
15	0.1	0.0	0.1	14.4	11.4	12.8	10.5	8.6	9.3	19.3	16.1	17.8
16	0.1	0.0	0.1	11.4	4.7	7.8	8.7	7.4	7.9	20.6	18.1	19.1
17	0.1	0.0	0.0	4.9	3.8	4.4	9.9	7.2	8.6	18.6	17.8	18.2
18	0.4	0.0	0.1	6.9	2.7	4.8	10.6	8.3	9.6	18.0	15.4	16.5
19	0.3	0.0	0.1	8.1	3.8	5.9	11.4	9.6	10.6	16.8	14.6	15.8
20	1.5	0.2	0.7	11.5	7.6	9.4	14.5	9.7	12.2	17.9	15.5	16.7
21	3.2	0.9	1.9	10.3	8.0	8.8	16.1	11.6	14.0	18.6	16.5	17.6
22	4.6	1.8	3.0	12.3	7.6	9.9	17.6	12.9	15.3	18.2	15.7	17.1
23	3.9	1.9	2.9	15.3	11.9	13.6	19.3	14.9	17.1	18.6	15.8	17.3
24	3.6	1.1	2.4	14.7	12.8	13.8	19.7	17.0	18.3	19.3	16.2	17.8
25	2.7	0.4	1.4	15.0	11.4	13.1	19.7	16.9	18.3	20.1	16.5	18.5
26	2.7	0.8	1.8	13.8	11.7	12.8	18.0	15.6	16.6	21.5	18.1	19.8
27	4.8	1.8	3.3	16.8	12.3	14.5	16.2	14.1	15.3	22.0	19.5	20.6
28	5.6	3.0	4.4	17.7	15.1	16.3	16.8	14.4	15.8	22.2	19.6	20.9
29	---	---	---	15.8	12.7	14.3	17.4	14.6	16.2	22.8	19.9	21.2
30	---	---	---	14.5	10.0	12.3	18.2	15.1	16.8	22.8	19.0	20.8
31	---	---	---	14.6	10.4	12.6	---	---	---	23.4	19.4	21.3
Month	5.6	0.0	1.1	17.7	0.2	8.9	19.7	5.7	12.4	23.4	11.9	17.8

01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	23.7	20.1	21.8	---	---	---	---	---	---	---	---	---
2	23.5	20.7	22.0	---	---	---	---	---	---	---	---	---
3	22.4	20.2	21.0	---	---	---	---	---	---	---	---	---
4	22.2	19.8	21.0	---	---	---	---	---	---	---	---	---
5	22.3	20.3	21.3	---	---	---	---	---	---	---	---	---
6	22.0	19.8	20.9	---	---	---	---	---	---	---	---	---
7	21.8	18.1	20.1	---	---	---	---	---	---	---	---	---
8	24.4	20.2	22.2	---	---	---	---	---	---	---	---	---
9	25.3	22.1	23.4	---	---	---	---	---	---	---	---	---
10	22.6	20.8	21.6	---	---	---	---	---	---	---	---	---
11	23.4	20.1	21.7	---	---	---	---	---	---	---	---	---
12	23.1	20.5	21.7	---	---	---	---	---	---	---	---	---
13	21.5	19.6	20.6	---	---	---	---	---	---	---	---	---
14	20.7	19.4	20.2	---	---	---	---	---	---	---	---	---
15	19.5	18.1	18.9	---	---	---	---	---	---	---	---	---
16	20.6	18.0	19.4	---	---	---	---	---	---	---	---	---
17	22.4	18.2	20.2	---	---	---	---	---	---	---	---	---
18	24.5	20.0	22.1	---	---	---	---	---	---	---	---	---
19	25.7	21.9	23.6	---	---	---	---	---	---	---	---	---
20	24.9	22.0	23.8	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued



01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

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

01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

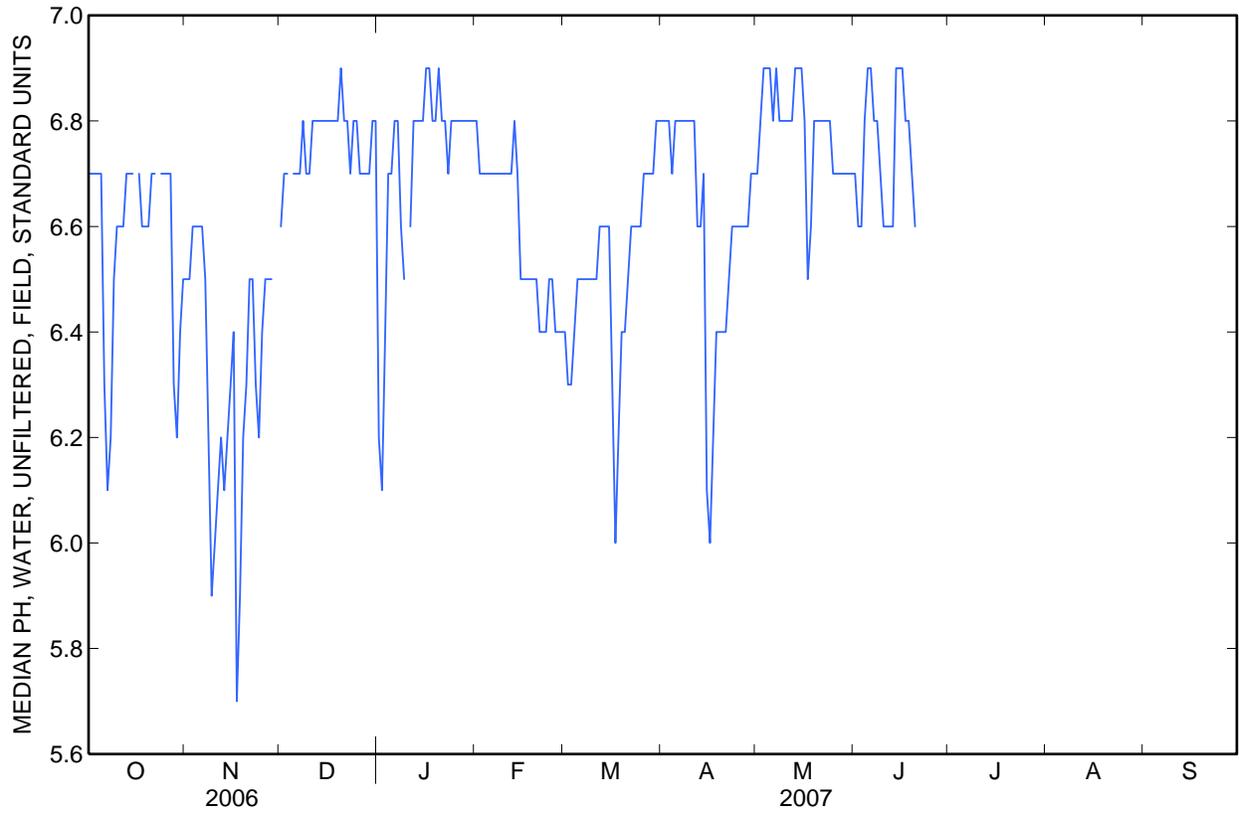
Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	6.8	6.8	6.8	6.4	6.4	6.4	6.9	6.7	6.8	6.8	6.7	6.7
2	6.8	6.7	6.7	6.4	6.2	6.3	6.9	6.7	6.8	6.9	6.7	6.8
3	6.8	6.7	6.7	6.3	6.2	6.3	6.9	6.7	6.8	6.9	6.8	6.9
4	6.8	6.7	6.7	6.5	6.3	6.4	6.8	6.7	6.7	7.0	6.8	6.9
5	6.8	6.7	6.7	6.5	6.4	6.5	6.9	6.7	6.8	6.9	6.7	6.9
6	6.7	6.6	6.7	6.6	6.5	6.5	7.0	6.8	6.8	6.9	6.7	6.8
7	6.7	6.6	6.7	6.6	6.5	6.5	6.9	6.8	6.8	6.9	6.8	6.9
8	6.8	6.6	6.7	6.6	6.5	6.5	6.9	6.8	6.8	6.9	6.8	6.8
9	6.8	6.6	6.7	6.6	6.5	6.5	7.0	6.8	6.8	6.9	6.8	6.8
10	6.8	6.7	6.7	6.6	6.5	6.5	7.0	6.8	6.8	6.9	6.8	6.8
11	6.8	6.7	6.7	6.6	6.5	6.5	6.9	6.8	6.8	6.9	6.8	6.8
12	6.8	6.7	6.7	6.6	6.5	6.6	6.8	6.5	6.6	6.9	6.8	6.8
13	6.8	6.7	6.8	6.7	6.5	6.6	6.7	6.5	6.6	6.9	6.8	6.9
14	6.7	6.6	6.7	6.8	6.6	6.6	6.8	6.6	6.7	7.0	6.9	6.9
15	6.6	6.4	6.5	6.8	6.5	6.6	6.7	5.9	6.1	7.0	6.8	6.9
16	6.5	6.4	6.5	6.5	6.0	6.3	6.1	5.9	6.0	6.9	6.2	6.8
17	6.6	6.4	6.5	6.1	6.0	6.0	6.3	6.1	6.2	6.5	6.3	6.5
18	6.5	6.4	6.5	6.3	6.1	6.2	6.4	6.3	6.4	6.7	6.5	6.6
19	6.5	6.3	6.5	6.4	6.3	6.4	6.4	6.4	6.4	6.8	6.7	6.8
20	6.5	6.5	6.5	6.5	6.4	6.4	6.5	6.3	6.4	6.9	6.8	6.8
21	6.5	6.4	6.4	6.6	6.5	6.5	6.5	6.4	6.4	6.9	6.8	6.8
22	6.4	6.4	6.4	6.6	6.5	6.6	6.6	6.4	6.5	6.9	6.8	6.8
23	6.5	6.4	6.4	6.6	6.5	6.6	6.7	6.5	6.6	6.9	6.7	6.8
24	6.5	6.4	6.5	6.6	6.5	6.6	6.7	6.6	6.6	6.8	6.7	6.8
25	6.5	6.4	6.5	6.7	6.6	6.6	6.7	6.5	6.6	6.8	6.7	6.7
26	6.4	6.3	6.4	6.8	6.6	6.7	6.7	6.5	6.6	6.8	6.6	6.7
27	6.4	6.3	6.4	6.8	6.6	6.7	6.6	6.6	6.6	6.8	6.6	6.7
28	6.4	6.3	6.4	6.8	6.6	6.7	6.6	6.4	6.6	6.8	6.6	6.7
29	---	---	---	6.9	6.7	6.7	6.8	6.6	6.7	6.8	6.7	6.7
30	---	---	---	6.9	6.7	6.8	6.8	6.7	6.7	6.8	6.6	6.7
31	---	---	---	6.9	6.7	6.8	---	---	---	6.8	6.6	6.7
Max	6.8	6.8	6.8	6.9	6.7	6.8	7.0	6.8	6.8	7.0	6.9	6.9
Min	6.4	6.3	6.4	6.1	6.0	6.0	6.1	5.9	6.0	6.5	6.2	6.5

01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	6.8	6.6	6.7	---	---	---	---	---	---	---	---	---
2	6.7	6.6	6.6	---	---	---	---	---	---	---	---	---
3	6.6	6.6	6.6	---	---	---	---	---	---	---	---	---
4	6.9	6.6	6.8	---	---	---	---	---	---	---	---	---
5	7.0	6.9	6.9	---	---	---	---	---	---	---	---	---
6	6.9	6.8	6.9	---	---	---	---	---	---	---	---	---
7	6.9	6.8	6.8	---	---	---	---	---	---	---	---	---
8	6.9	6.7	6.8	---	---	---	---	---	---	---	---	---
9	6.8	6.7	6.7	---	---	---	---	---	---	---	---	---
10	6.7	6.6	6.6	---	---	---	---	---	---	---	---	---
11	6.6	6.6	6.6	---	---	---	---	---	---	---	---	---
12	6.6	6.5	6.6	---	---	---	---	---	---	---	---	---
13	6.8	6.4	6.6	---	---	---	---	---	---	---	---	---
14	7.0	6.8	6.9	---	---	---	---	---	---	---	---	---
15	7.0	6.9	6.9	---	---	---	---	---	---	---	---	---
16	6.9	6.9	6.9	---	---	---	---	---	---	---	---	---
17	6.9	6.8	6.8	---	---	---	---	---	---	---	---	---
18	6.9	6.7	6.8	---	---	---	---	---	---	---	---	---
19	6.7	6.5	6.7	---	---	---	---	---	---	---	---	---
20	6.7	6.6	6.6	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued



01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	4.9	3.0	3.7	6.8	2.6	4.4	7.4	5.7	6.2	---	---	---
2	3.3	2.1	2.6	2.9	2.2	2.6	8.3	6.2	6.9	22	15	17
3	3.8	1.8	2.1	3.5	2.4	2.8	7.6	5.9	6.6	16	12	14
4	2.4	1.5	1.8	4.8	2.5	3.4	---	---	---	14	11	12
5	2.7	1.5	1.7	5.2	2.6	3.8	8.1	5.7	6.5	12	10	11
6	160	2.0	50	6.9	4.1	5.0	8.7	5.2	6.1	11	9.3	10
7	23	13	17	7.4	3.9	5.4	8.0	5.5	6.5	10	5.4	8.0
8	14	7.6	11	---	---	---	8.7	6.3	7.2	29	5.8	18
9	8.0	5.1	6.5	---	---	---	8.2	5.6	6.6	11	6.0	7.3
10	6.3	3.7	4.7	---	---	---	7.4	5.6	6.4	---	---	---
11	8.8	2.2	3.3	---	---	---	7.5	5.9	6.5	---	---	---
12	55	5.5	24	---	---	---	7.5	5.7	6.3	17	6.9	9.3
13	45	7.1	26	35	8.2	11	6.4	5.0	5.6	10	6.3	7.7
14	7.6	2.1	3.6	8.3	5.8	6.8	6.5	5.2	5.7	11	6.1	7.3
15	3.4	1.9	2.4	9.7	3.7	4.9	6.9	4.9	5.6	8.7	5.6	6.7
16	3.2	1.3	1.8	830	3.0	97	6.4	5.3	5.7	10	5.7	6.8
17	4.4	1.3	2.1	160	40	83	7.1	5.2	5.8	8.4	5.8	6.8
18	7.2	3.7	5.4	44	19	29	6.7	5.0	5.7	8.9	5.5	6.6
19	5.9	2.9	4.3	25	11	15	---	---	---	8.9	5.4	6.5
20	3.5	2.5	2.8	12	7.2	9.4	---	---	---	9.0	5.3	6.6
21	4.7	2.6	3.4	8.4	6.3	7.1	---	---	---	9.2	4.7	6.3
22	3.6	2.0	2.5	36	5.5	12	19	17	17	9.6	5.2	6.9
23	---	---	---	28	19	21	22	19	20	9.8	5.3	7.5
24	2.2	1.4	1.7	24	14	18	20	17	18	---	---	---
25	3.0	1.2	1.7	22	9.9	12	19	15	16	9.1	4.5	5.4
26	3.0	1.8	2.3	15	8.9	11	22	16	19	7.7	4.4	5.3
27	7.8	2.2	3.2	14	7.2	9.5	17	8.2	12	7.5	4.1	5.0
28	---	---	---	46	7.0	19	10	8.2	9.1	5.2	3.9	4.4
29	21	9.1	14	---	---	---	8.7	7.4	8.1	8.1	4.1	5.2
30	9.6	5.3	7.0	---	---	---	8.4	7.2	7.7	6.4	3.9	4.7
31	24	5.1	15	---	---	---	---	---	---	6.6	4.2	4.8
Month	---	---	---	---	---	---	---	---	---	---	---	---

01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

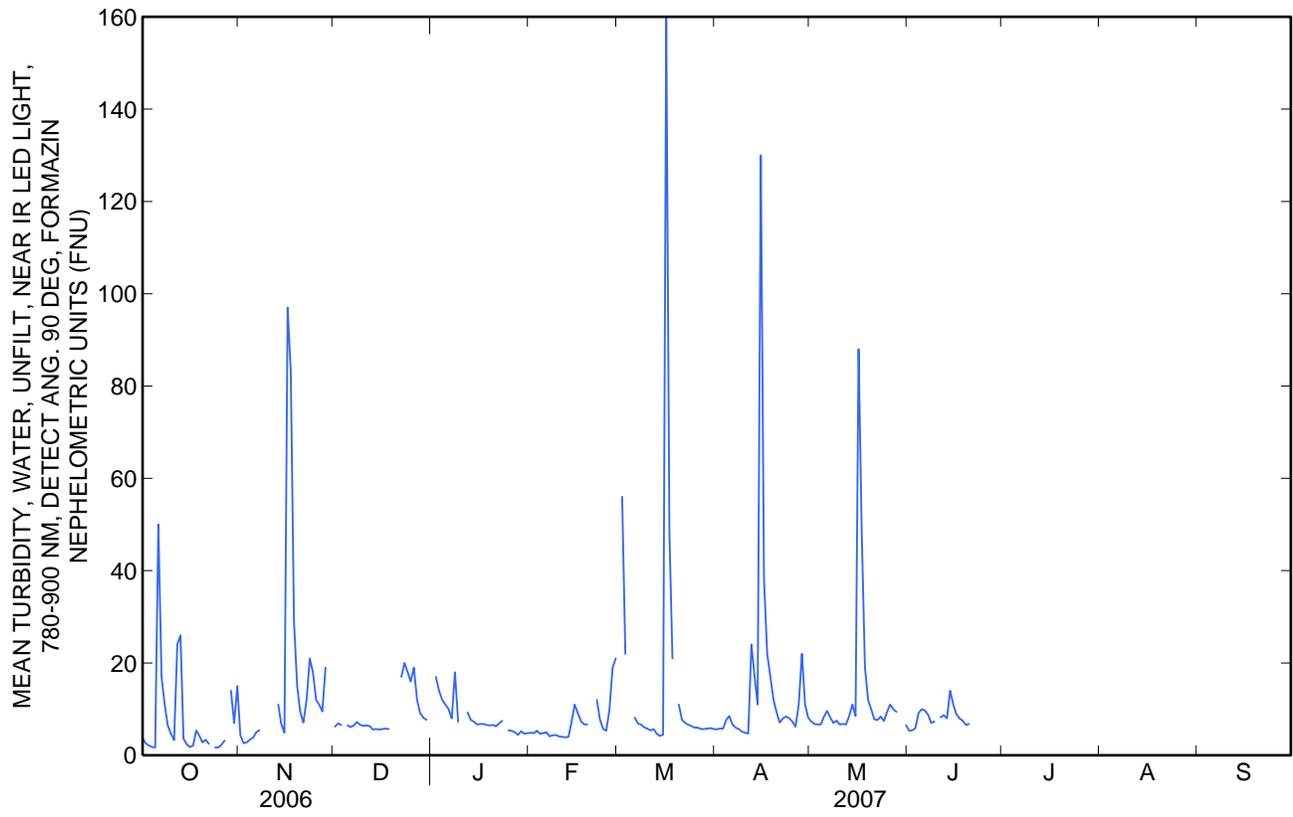
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	7.9	3.9	4.9	---	---	---	6.6	4.7	5.6	10	6.3	7.3
2	5.8	4.1	4.8	150	8.1	56	6.7	4.9	5.8	8.0	5.9	6.8
3	6.9	4.3	5.3	32	16	22	8.6	4.8	5.8	7.9	5.8	6.7
4	5.7	3.6	4.7	---	---	---	10	5.5	7.6	7.9	6.1	6.7
5	8.0	3.9	4.8	---	---	---	11	7.1	8.5	14	6.0	8.3
6	7.1	3.5	5.0	10	6.3	8.2	8.3	5.8	6.7	13	8.4	9.6
7	5.7	3.3	4.1	8.9	5.5	6.9	7.5	5.4	6.0	12	7.4	8.2
8	5.9	3.1	4.3	7.8	5.1	6.7	8.1	5.1	5.7	9.7	6.2	7.0
9	6.9	2.9	4.4	7.8	4.5	6.1	7.2	4.5	5.1	36	6.0	7.5
10	6.4	3.0	4.1	7.3	4.6	5.8	6.8	4.3	4.9	13	5.9	6.7
11	6.9	3.1	4.0	6.5	4.2	5.4	5.6	4.2	4.7	8.8	5.7	6.8
12	6.0	3.1	3.9	8.2	4.2	5.7	34	4.8	24	10	6.0	6.7
13	5.5	3.2	4.0	7.1	3.2	4.7	41	12	17	14	6.1	8.5
14	14	3.2	7.2	5.8	3.4	4.2	38	7.9	11	18	8.7	11
15	18	8.6	11	7.1	3.5	4.5	390	7.9	130	26	7.3	8.5
16	22	6.4	9.1	560	7.1	160	110	24	38	770	6.9	88
17	9.7	5.1	7.4	110	26	48	28	18	22	110	24	48
18	10	5.1	6.7	32	18	21	26	13	17	28	13	19
19	13	4.2	6.7	---	---	---	27	9.2	12	17	9.9	12
20	---	---	---	17	7.8	11	14	7.6	9.3	16	7.7	10
21	---	---	---	10	6.4	7.7	8.9	5.4	7.1	9.9	6.8	7.8
22	24	8.7	12	8.7	6.2	7.0	9.3	6.6	8.0	9.6	6.8	7.6
23	11	6.2	7.7	10	5.7	6.6	11	7.0	8.4	13	6.0	8.4
24	7.3	4.5	5.7	7.5	5.7	6.3	12	6.6	8.0	9.3	6.1	7.4
25	6.6	4.5	5.3	7.5	5.1	6.0	13	5.0	7.3	13	7.4	9.4
26	16	5.7	9.8	7.0	5.3	6.0	12	4.6	6.2	15	7.4	11
27	48	13	19	7.0	4.7	5.7	31	5.4	11	16	7.1	10
28	61	11	21	12	4.7	5.7	51	12	22	15	6.1	9.4
29	---	---	---	6.9	5.0	5.8	16	8.9	11	---	---	---
30	---	---	---	7.1	5.2	5.9	10	7.2	8.2	---	---	---
31	---	---	---	6.6	4.9	5.7	---	---	---	14	4.8	6.5
Month	---	---	---	---	---	---	390	4.2	15	---	---	---

01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	6.8	4.3	5.3	---	---	---	---	---	---	---	---	---
2	6.9	4.4	5.4	---	---	---	---	---	---	---	---	---
3	10	5.0	5.9	---	---	---	---	---	---	---	---	---
4	11	7.0	9.2	---	---	---	---	---	---	---	---	---
5	14	8.4	10	---	---	---	---	---	---	---	---	---
6	13	8.2	9.7	---	---	---	---	---	---	---	---	---
7	11	7.0	8.8	---	---	---	---	---	---	---	---	---
8	8.7	5.9	7.0	---	---	---	---	---	---	---	---	---
9	9.9	5.5	7.3	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	12	5.9	8.2	---	---	---	---	---	---	---	---	---
12	13	6.6	8.7	---	---	---	---	---	---	---	---	---
13	19	4.8	8.0	---	---	---	---	---	---	---	---	---
14	20	11	14	---	---	---	---	---	---	---	---	---
15	14	9.0	11	---	---	---	---	---	---	---	---	---
16	12	7.4	8.9	---	---	---	---	---	---	---	---	---
17	11	6.7	8.0	---	---	---	---	---	---	---	---	---
18	14	6.2	7.5	---	---	---	---	---	---	---	---	---
19	7.7	5.7	6.6	---	---	---	---	---	---	---	---	---
20	8.4	5.6	6.8	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued



01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	9.5	9.0	9.2	9.5	8.9	9.2	12.8	12.3	12.6	---	---	---
2	9.8	9.0	9.4	9.2	8.7	9.0	13.2	12.4	12.8	11.8	10.8	11.3
3	9.6	8.8	9.2	10.7	9.2	10	13.2	12.7	12.9	12.9	11.8	12.5
4	9.2	8.2	8.8	11.3	10.6	11.0	---	---	---	12.9	12.0	12.6
5	8.6	8.2	8.4	11.6	10.5	11.2	14.0	13.2	13.7	12.0	10.8	11.5
6	9.9	8.5	9.3	11.6	10.9	11.4	14.4	13.5	14.0	10.8	10.1	10.4
7	9.2	8.4	9.0	11.5	10.8	11.1	13.5	12.9	13.2	11.2	10.2	10.9
8	9.6	9.1	9.4	10.8	7.6	9.1	15.1	13.5	14.5	11.2	10.8	11.0
9	10.1	9.5	9.8	8.2	6.8	7.6	15.9	15.1	15.4	12.0	11.1	11.7
10	10.5	9.6	9.8	9.1	7.9	8.6	15.6	14.5	15.1	---	---	---
11	9.8	9.5	9.6	9.5	8.8	9.1	14.9	13.9	14.5	14.7	13.7	14.3
12	9.5	9.2	9.4	10.4	9.1	9.6	14.4	13.4	14.0	14.1	12.9	13.7
13	10.5	9.4	10.1	9.9	8.0	8.9	13.5	12.6	13.1	12.9	11.6	12.3
14	11.4	10.3	11.0	8.1	7.3	7.7	13.0	12.3	12.7	11.6	10.8	11.3
15	11.8	10.9	11.4	8.6	7.5	8.3	13.0	12.2	12.6	10.9	10.2	10.7
16	---	---	---	8.6	5.7	7.9	13.1	12.3	12.8	11.6	10.1	10.7
17	9.1	8.4	8.8	8.2	6.8	7.6	13.7	12.6	13.1	14.0	11.6	13.1
18	8.4	7.9	8.2	9.3	8.2	8.9	13.1	11.9	12.6	14.6	14.0	14.3
19	8.1	7.7	7.9	10.4	9.3	10	12.6	11.9	12.2	14.1	13.5	13.8
20	7.7	7.3	7.5	11.2	10.4	10.8	13.8	12.5	13.3	14.7	13.8	14.3
21	8.4	7.5	8.1	11.9	11.2	11.6	13.9	13.1	13.5	15.4	14.7	15.1
22	8.8	8.3	8.6	11.6	11.4	11.6	13.1	11.9	12.8	15.4	14.3	14.9
23	---	---	---	11.5	10.8	11.2	11.9	11.0	11.2	14.5	14.0	14.2
24	9.4	8.8	9.1	11.0	10.6	10.8	12.4	11.1	11.9	14.5	13.9	14.2
25	9.6	9.1	9.4	11.7	10.9	11.5	13.0	11.8	12.6	14.5	13.9	14.1
26	10.0	9.3	9.7	11.9	11.4	11.6	11.8	11.2	11.5	15.8	14.5	15.3
27	9.6	9.0	9.5	11.8	11.3	11.6	12.4	11.3	11.9	15.5	14.1	14.9
28	9.0	7.6	8.4	12.4	11.6	12.1	13.5	12.4	13.1	14.1	13.8	13.9
29	8.5	7.7	8.1	---	---	---	13.6	13.0	13.2	15.6	14.1	15.1
30	11.0	8.4	9.4	---	---	---	13.6	13.0	13.3	16.2	15.0	15.6
31	9.9	9.4	9.6	---	---	---	---	---	---	16.2	15.2	15.7
Month	---	---	---	---	---	---	---	---	---	---	---	---

01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

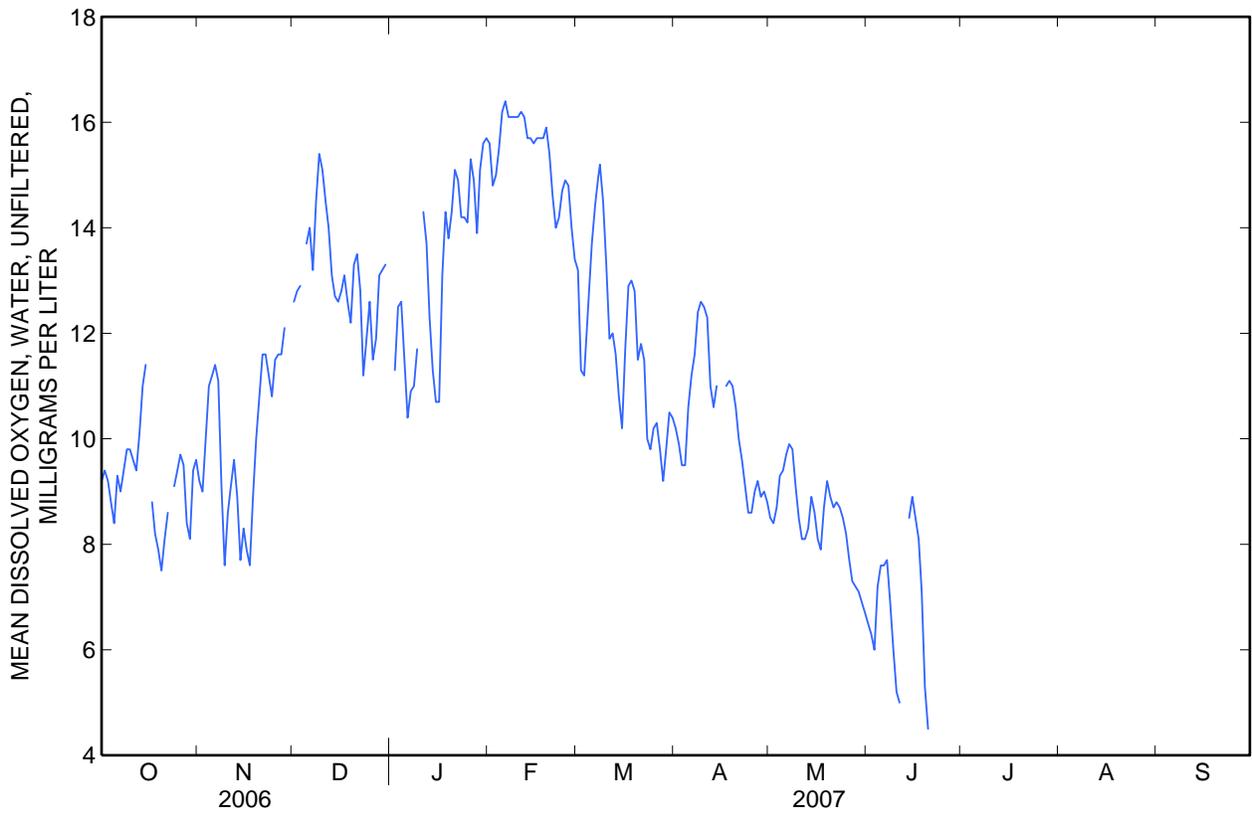
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	15.8	15.1	15.6	13.7	12.4	13.2	10.8	9.9	10.2	9.1	8.1	8.5
2	15.1	14.5	14.8	12.4	10.5	11.3	10.5	9.1	9.9	8.9	8.0	8.4
3	15.5	14.5	15.0	11.7	10.7	11.2	10.2	8.8	9.5	9.1	8.0	8.7
4	16.0	15.2	15.5	12.7	11.1	12.2	9.9	8.8	9.5	9.9	8.8	9.3
5	16.5	15.6	16.2	13.9	12.7	13.4	11.1	9.8	10.6	9.7	8.9	9.4
6	16.6	16.2	16.4	14.8	13.2	14.1	11.9	10.8	11.2	10.1	9.4	9.7
7	16.2	15.9	16.1	15.1	14.3	14.7	12.0	10.8	11.6	10.4	9.5	9.9
8	16.2	16.1	16.1	15.9	14.4	15.2	13.1	11.9	12.4	10.5	9.1	9.8
9	16.2	16.0	16.1	15.2	13.8	14.5	13.1	12.1	12.6	9.7	8.4	9.1
10	16.3	16.0	16.1	14.1	12.1	13.3	13.3	11.7	12.5	9.0	7.9	8.5
11	16.4	16.1	16.2	12.3	11.4	11.9	13.0	11.6	12.3	8.7	7.6	8.1
12	16.3	15.8	16.1	12.7	11.6	12.0	11.6	10.0	11.0	8.7	7.6	8.1
13	15.8	15.6	15.7	12.2	10.8	11.6	11.2	10.0	10.6	8.9	7.7	8.3
14	15.9	15.5	15.7	11.4	10.0	10.8	11.6	10.4	11.0	9.4	8.4	8.9
15	15.8	15.4	15.6	10.7	10.0	10.2	---	---	---	9.3	7.8	8.6
16	15.8	15.5	15.7	13.0	10.3	11.7	---	---	---	8.6	7.7	8.1
17	15.9	15.5	15.7	13.0	12.8	12.9	11.3	10.7	11.0	8.0	7.6	7.9
18	15.8	15.5	15.7	13.7	12.3	13.0	11.5	10.7	11.1	9.0	7.9	8.7
19	16.2	15.5	15.9	13.5	11.7	12.8	11.2	10.6	11.0	9.6	8.8	9.2
20	15.8	14.6	15.4	11.9	10.9	11.5	11.3	9.8	10.6	9.3	8.4	8.9
21	15.1	14.1	14.6	12.1	11.0	11.8	10.8	9.4	10.0	9.1	8.3	8.7
22	14.5	13.4	14.0	12.2	10.3	11.5	10.3	9.0	9.6	9.3	8.3	8.8
23	14.6	13.5	14.2	10.5	9.4	10.0	9.7	8.3	9.1	9.3	8.2	8.7
24	15.3	14.3	14.7	10.1	9.4	9.8	9.2	8.2	8.6	9.1	7.9	8.5
25	15.6	14.3	14.9	10.7	9.9	10.2	9.2	8.2	8.6	8.9	7.5	8.2
26	15.1	14.1	14.8	10.8	9.9	10.3	9.6	8.2	9.0	8.5	7.0	7.7
27	14.6	13.1	14.0	10.3	8.9	9.8	9.7	8.8	9.2	8.1	6.6	7.3
28	14.0	12.8	13.4	9.6	8.9	9.2	9.3	8.6	8.9	8.1	6.6	7.2
29	---	---	---	10.5	9.0	9.8	9.5	8.6	9.0	8.0	6.4	7.1
30	---	---	---	11.3	10.0	10.5	9.4	8.3	8.8	7.8	6.2	6.9
31	---	---	---	11.1	9.8	10.4	---	---	---	7.7	6.1	6.7
Month	16.6	12.8	15.4	15.9	8.9	11.8	---	---	---	10.5	6.1	8.4

01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	7.6	5.8	6.5	---	---	---	---	---	---	---	---	---
2	7.2	5.4	6.3	---	---	---	---	---	---	---	---	---
3	6.5	5.3	6.0	---	---	---	---	---	---	---	---	---
4	7.9	6.4	7.2	---	---	---	---	---	---	---	---	---
5	8.0	7.2	7.6	---	---	---	---	---	---	---	---	---
6	8.1	7.2	7.6	---	---	---	---	---	---	---	---	---
7	8.4	6.9	7.7	---	---	---	---	---	---	---	---	---
8	7.7	5.8	6.9	---	---	---	---	---	---	---	---	---
9	7.1	4.9	6.0	---	---	---	---	---	---	---	---	---
10	6.2	4.5	5.2	---	---	---	---	---	---	---	---	---
11	5.9	4.3	5.0	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	8.8	7.9	8.5	---	---	---	---	---	---	---	---	---
15	9.2	8.6	8.9	---	---	---	---	---	---	---	---	---
16	8.9	7.9	8.5	---	---	---	---	---	---	---	---	---
17	8.7	7.0	8.1	---	---	---	---	---	---	---	---	---
18	7.9	6.0	7.1	---	---	---	---	---	---	---	---	---
19	6.0	4.3	5.3	---	---	---	---	---	---	---	---	---
20	5.6	3.9	4.5	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued



01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 1 of 6

[Remark codes: <, less than; E, estimated.]

Date	Time	Sample type	Instan- taneous dis- charge, cfs (00061)	Turb- idity, IR LED det ang 90 deg, FNU (63680)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxy- gen, mg/L (00300)	Dis- solved oxy- gen, per- cent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf lab, µS/cm 25 degC (90095)	Specif- ic conduc- tance, wat unf lab, µS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)
Oct												
06...	0845	Environmental	135	160	--	9.8	--	6.5	--	98	--	15.5
06...	1445	Environmental	335	52	--	9.5	--	6.2	--	85	--	15.2
07...	0245	Environmental	391	21	--	9.0	--	6.1	--	93	--	14.3
07...	1445	Environmental	523	15	--	9.2	--	6.1	--	91	--	13.9
08...	0245	Environmental	312	13	--	9.1	--	6.1	--	94	--	14.2
16...	1100	Environmental	14	2.0	768	11.8	108	6.4	--	132	21.0	11.7
28...	1815	Environmental	194	38	--	8.0	--	6.2	--	107	--	12.9
29...	1215	Environmental	286	13	--	8.4	--	6.2	--	104	--	11.0
30...	0015	Environmental	154	9.2	--	8.5	--	6.2	--	106	--	10.6
Nov												
13...	1215	Environmental	600	11	--	8.8	--	6.1	--	86	12.0	11.3
16...	1500	Environmental	129	8.0	--	7.7	--	6.4	--	103	--	15.1
16...	2100	Environmental	1,530	200	--	7.6	--	5.6	--	38	--	16.1
17...	0900	Environmental	2,920	100	--	7.6	--	5.7	--	43	--	14.8
17...	2100	Environmental	1,750	15	--	7.8	--	5.7	--	54	--	13.5
18...	0900	Environmental	804	23	--	9.0	--	5.9	--	64	--	10.6
Dec												
19...	1110	Blank	--	--	--	--	--	--	--	--	--	--
19...	1115	Environmental	29	5.5	768	10.0	86	6.6	--	174	11.0	9.1
19...	1120	Replicate	--	5.5	--	12.6	--	6.9	--	119	--	8.2
Jan												
01...	0945	Environmental	200	89	--	11.5	--	6.4	--	83	--	9.1
01...	1545	Environmental	476	79	--	11.3	--	6.1	--	65	--	9.7
02...	1545	Environmental	613	17	--	11.5	--	6.2	--	82	--	8.2
03...	0345	Environmental	398	14	--	12.1	--	6.2	--	79	--	5.9
23...	1045	Environmental	66	6.3	761	14.7	109	6.9	--	192	4.5	2.8
Feb												
15...	1130	Environmental	97	12	775	12.6	85	6.3	--	422	-2.0	.1
Mar												
13...	1055	Blank	--	--	--	--	--	--	2	--	--	--
13...	1100	Environmental	42	5.2	765	11.4	99	7.6	218	194	22.0	9.4
16...	1100	Environmental	200	43	--	11.4	--	6.4	183	182	--	8.2
16...	1700	Environmental	708	420	--	12.3	--	6.0	117	105	--	6.5
16...	2300	Environmental	939	140	--	13.0	--	6.0	118	79	--	4.8
17...	0500	Environmental	1,080	74	--	12.9	--	6.0	117	108	--	4.1
17...	1700	Environmental	1,320	30	--	12.8	--	6.0	140	137	--	4.8
18...	0500	Environmental	883	23	--	13.3	--	6.1	135	132	--	3.1
20...	1130	Environmental	111	9.1	--	11.9	--	6.4	146	147	--	9.1

01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 2 of 6

[Remark codes: <, less than; E, estimated.]

Date	Ammonia	Nitrate + Nitrite		Organic	Organic	Total	Total	Ortho-	Phos-	Phos-	Suspnd.	Sus-	
	water, fltrd, mg/L as N (00608)	nitrite water fltrd, mg/L as N (00631)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	nitro- gen, water, fltrd, mg/L (00607)	nitro- gen, water, unfltrd mg/L (00605)	nitro- gen, wat flt by anal ysis, mg/L (62854)	nitro- gen, wat unf by anal ysis, mg/L (62855)	phos- phate, water, fltrd, mg/L as P (00671)	phorus, water, fltrd, mg/L (00666)	phorus, water, unfltrd mg/L (00665)	sedi- ment, sieve diametr percent <.063mm (70331)	sedi- ment concen- tration mg/L (80154)
Oct													
06...	<.020	.606	.60	.003	--	--	1.10	2.10	.011	.027	.473	48	410
06...	<.020	.376	.37	.004	--	--	.91	1.14	.019	.038	.195	48	174
07...	<.020	.263	.25	.008	--	--	.76	.88	.014	.032	.100	--	33
07...	<.020	.189	.19	.003	--	--	.82	.73	.008	.025	.085	--	25
08...	<.020	.142	--	E.002	--	--	.76	.62	.007	.019	.070	--	22
16...	<.020	.158	--	<.002	--	--	.40	.43	E.005	.006	.036	--	3
28...	<.020	.082	--	E.001	--	--	.46	.68	.012	.025	.125	36	57
29...	<.020	.019	--	<.002	--	--	.64	.61	.010	.024	.108	--	51
30...	<.020	.050	.05	.002	--	--	.52	.55	.008	.020	.089	--	36
Nov													
13...	<.020	.125	--	E.002	--	--	.62	.67	.018	.039	.084	24	70
16...	<.020	.327	.32	.002	--	--	.68	.67	.009	.016	.080	--	47
16...	<.020	.128	--	E.002	--	--	.95	1.60	.017	.044	.34	35	923
17...	<.020	.051	--	E.002	--	--	.84	.90	.016	.040	.207	21	313
17...	<.020	.090	--	E.002	--	--	.75	.87	.014	.034	.143	--	85
18...	<.020	.125	--	E.002	--	--	.64	.69	.013	.030	.102	--	83
Dec													
19...	<.020	E.010	--	<.002	--	--	.10	<.06	<.006	<.006	<.008	--	4
19...	E.012	.219	--	E.002	--	--	.67	.44	E.003	E.005	.036	--	3
19...	E.011	.281	--	E.002	--	--	.52	.52	E.005	E.005	.035	--	3
Jan													
01...	.045	.445	.44	.003	.45	1.6	.94	2.13	.007	.015	.38	70	496
01...	.036	.312	.31	.004	.70	1.4	1.05	1.73	.012	.031	.33	58	526
02...	E.014	.205	.20	.004	--	--	.88	.72	.006	.018	.084	--	73
03...	E.015	.202	.20	.003	--	--	.99	.70	.006	.019	.068	24	90
23...	.035	.338	.34	.002	.21	.19	.58	.57	E.005	.006	.039	--	12
Feb													
15...	.113	.441	.44	.005	.28	.24	.83	.80	E.004	<.006	.032	--	14
Mar													
13...	<.020	<.016	--	<.002	--	--	E.05	E.03	<.006	<.006	<.008	--	<.5
13...	E.011	.265	.26	.008	--	--	.51	.45	.006	E.005	.021	--	5
16...	E.019	.433	.43	.003	--	--	.73	--	<.006	.007	--	--	--
16...	.070	.467	.46	.004	.54	--	1.08	--	.006	.021	--	--	--
16...	.038	.443	.44	.002	.84	--	1.32	--	E.006	.027	--	--	--
17...	.027	.403	--	E.002	.64	--	1.07	--	E.005	.018	--	--	--
17...	E.014	.399	.40	.002	--	--	.93	--	E.004	.014	--	--	--
18...	.047	.364	.36	.003	.58	--	.99	--	E.005	.019	--	--	--
20...	E.018	.459	--	E.002	--	--	.88	--	<.006	E.005	--	--	--

01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 6

[Remark codes: <, less than; E, estimated.]

Date	Sus- pended sedi- ment dis- charge, tons/d (80155)	Sampler type, code (84164)	Sam- pling method, code (82398)	Data base number
Oct				
06...	149	8010	50	01
06...	157	8010	50	01
07...	35	8010	50	01
07...	35	8010	50	01
08...	19	8010	50	01
16...	.11	3045	10	01
28...	30	8010	50	01
29...	39	8010	50	01
30...	15	8010	50	01
Nov				
13...	113	8010	50	01
16...	16	8010	50	01
16...	3,810	8010	50	01
17...	2,470	8010	50	01
17...	402	8010	50	01
18...	180	8010	50	01
Dec				
19...	--	8010	50	33
19...	.23	3045	10	01
19...	--	8010	50	33
Jan				
01...	268	8010	50	01
01...	676	8010	50	01
02...	121	8010	50	01
03...	97	8010	50	01
23...	2.1	3045	10	01
Feb				
15...	3.7	3045	10	01
Mar				
13...	--	3045	10	33
13...	.57	3045	10	01
16...		8010	50	01
16...		8010	50	01
16...		8010	50	01
17...		8010	50	01
17...		8010	50	01
18...		8010	50	01
20...		8010	50	01

01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 4 of 6

[Remark codes: <, less than; E, estimated.]

Date	Time	Sample type	Instan- taneous dis- charge, cfs (00061)	Turb- idity, IR LED light, det ang 90 deg, FNU (63680)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxy- gen, mg/L (00300)	Dis- solved oxy- gen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf lab, µS/cm 25 degC (90095)	Specif- ic conduc- tance, wat unf µS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)
Apr												
16...	0815	Environmental	1,640	35	--	10.9	--	6.0	88	92	--	7.4
17...	0815	Environmental	685	23	--	11.2	--	6.1	93	96	--	7.4
18...	1045	Environmental	170	21	--	11.4	--	6.4	114	117	--	9.4
18...	1050	Replicate	--	--	--	--	--	--	113	--	--	--
May												
31...	1115	Environmental	3.0	5.2	767	5.6	61	6.3	--	142	28.0	20.0

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 5 of 6

[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)	Organic nitro- gen, water, fltrd, mg/L (00607)	Organic nitro- gen, water, unfltrd mg/L (00605)	Total nitro- gen, wat flt by anal mg/L (62854)	Total nitro- gen, wat unf by anal mg/L (62855)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Suspd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)
Apr													
16...	<.020	.274	.27	.003	--	--	.93	.87	.009	.028	.117	4	1,480
17...	<.020	.259	.26	.002	--	--	.65	.74	.009	.022	.072	26	130
18...	.024	.296	--	E.002	.40	.31	.71	.63	E.013	.014	.043	--	43
18...	.025	.301	.30	.002	.38	.30	.70	.62	.006	.014	.043	--	31
May													
31...	.041	.275	.27	.008	.72	.38	1.04	.70	.014	.039	.058	--	7

01658000 MATTAWOMAN CREEK NEAR POMONKEY, MD—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 6 of 6

[Remark codes: <, less than; E, estimated.]

Date	Sus- pended sedi- ment dis- charge, tons/d (80155)	Sampler type, code (84164)	Sam- pling method, code (82398)	Data base number
Apr				
16...	6,550	8010	40	01
17...	240	8010	40	01
18...	20	8010	40	01
18...	--	8010	40	33
May				
31...	.06	3045	10	01