01646500 POTOMAC RIVER NEAR WASHINGTON, DC

Potomac
Middle Potomac-Catoctin

LOCATION.--Lat 38°56'59.2", long 77°07'39.5" referenced to North American Datum of 1983, Montgomery County, MD, Hydrologic Unit 02070008, on left bank just upstream from Little Falls Dam, 1 mi upstream from District of Columbia boundary line, 1.2 mi upstream from Chain Bridge, 1.8 mi east of Langley, Fairfax County, and at mile 117.4.

DRAINAGE AREA.--11,560 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--March 1930 to current year.

REVISED RECORDS.--WSP 726: Drainage area. WDR MD-DE-75-1: 1973-74(M).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 37.95 ft above National Geodetic Vertical Datum of 1929. Prior to June 7, 1930, nonrecording gage, and June 7, 1930 to Jan. 22, 1965, water-stage recorder at site 1 mi upstream on right bank at same datum.

REMARKS.--Water-discharge records good except those for estimated daily discharges (missing record), which are fair. **Diversions since June 1959. For unregulated statistics of monthly mean data and summary statistics for water years 1930 to 1958, reference WDR MD-DE-DC-02-1.** Diversions at Great Falls through aqueducts and since June 1959, from gage pool at Little Falls Dam, for municipal supply of Washington, DC.; since October 1958, at Rockville Filtration Plant, for supply of city of Rockville; since April 1961, at Potomac Filtration Plant, for water supply of Washington Suburban Sanitary District; since October 1961, at Fairfax Water Treatment Plant for water supply of city of Fairfax (from Goose Creek); since April 1964, at Violets Lock to Chesapeake and Ohio Canal; and since October 1985, at Fairfax County Water Authority Treatment Plant for water supply of the county. Low flow affected slightly prior to July 1981 by Stony River Reservoir, since December 1950, by Savage River Reservoir (see station 01597500), and since July 1981, by Jennings Randolph Lake. National Weather Service gage-height telemeter at station. U.S. Geological Survey satellite collection platform at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 2, 1889, was of approximately the same magnitude as that of March 19, 1936.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 45,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)
Mar 6	2200	86,200	8.33
Apr 22	1800	82,200	8.17
Apr 30	0145	49,000	6.65
May 13	1800	*135,000	*10.04
May 18	1545	45,600	6.47

Minimum discharge, 468 ft³/s, Oct. 12.

01646500 POTOMAC RIVER NEAR WASHINGTON, DC—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	1,040	4,380	2,110	11,200	6,950	9,810	8,450	40,300	11,100	3,930	2,320	2,620
2	1,030	3,440	2,040	10,400	15,000	9,010	7,830	31,300	11,400	3,860	2,250	3,400
3	1,000	2,840	2,250	9,740	18,900	8,540	7,500	25,400	12,700	3,490	2,230	2,890
4	940	2,400	2,350	8,870	17,400	8,340	8,300	21,200	13,400	3,420	2,180	2,320
5	940	2,180	2,790	7,720	18,300	11,600	8,080	18,500	16,800	3,610	2,190	2,160
6	884	2,030	2,980	6,780	17,000	57,600	8,420	18,800	14,900	3,800	2,380	14,000
7	836	1,880	3,260	6,300	15,600	71,700	8,360	15,800	20,900	3,960	2,760	14,800
8	748	1,680	3,290	5,820	18,000	44,400	8,110	13,800	17,500	4,960	2,660	7,580
9	667	1,610	3,170	5,530	20,100	39,800	7,880	17,000	12,700	4,860	2,300	4,070
10	656	1,680	3,240	5,510	18,000	35,500	9,020	15,200	9,850	5,290	2,080	3,010
11	610	1,550	3,380	5,890	15,400	27,900	9,650	16,000	8,860	6,020	1,840	2,430
12	637	1,650	5,380	5,830	13,300	23,600	10,100	88,800	7,810	5,690	1,680	2,260
13	635	1,730	10,300	11,700	12,800	20,200	12,500	128,000	6,620	4,810	1,580	2,200
14	800	1,810	9,990	16,800	15,300	17,600	13,200	99,900	5,880	5,060	1,540	2,150
15	915	2,270	9,150	14,400	15,200	15,500	13,600	61,500	6,320	4,810	1,770	2,320
16	830	2,810	14,200	11,800	13,400	14,000	12,000	43,300	6,170	4,230	1,720	2,270
17	648	2,910	19,100	10,200	12,800	13,100	10,400	37,900	6,950	3,870	1,620	2,240
18	606	3,340	20,600	8,970	12,100	12,200	9,300	43,000	6,880	3,750	1,540	2,030
19	1,120	3,300	17,400	7,960	11,800	11,800	8,370	38,000	6,450	3,330	1,460	1,990
20	1,560	3,060	14,600	7,440	12,200	13,400	10,900	32,500	6,410	2,910	1,350	1,820
21	1,050	2,860	11,400	6,830	12,000	21,200	34,600	31,200	6,230	2,610	1,310	1,670
22	994	2,890	9,480	5,910	11,000	24,000	71,800	34,400	5,540	2,500	1,270	1,570
23	1,350	2,630	7,990	5,130	10,200	22,900	62,200	34,100	5,050	2,420	1,220	1,550
24	1,380	2,430	7,280	4,840	9,450	20,100	42,300	27,500	4,640	2,850	1,170	e1,750
25	2,410	2,350	6,610	4,970	8,880	17,100	33,100	22,800	4,380	3,300	1,130	e2,070
26	2,500	2,150	7,650	4,520	8,540	14,600	26,300	18,000	5,110	4,140	996	e1,900
27	4,130	2,200	8,380	4,340	8,680	12,900	24,100	15,100	5,070	4,780	1,090	e2,000
28	3,770	2,120	8,150	4,230	11,000	11,700	37,700	13,500	4,650	4,310	1,180	e3,500
29	3,840	2,130	7,990	4,270	10,400	10,600	44,100	12,600	4,390	3,490	1,710	5,400
30	4,470	2,180	8,090	4,300	---	9,910	46,900	11,800	3,930	2,970	1,870	6,330
31	5,270	---	9,120	4,200	---	9,160	---	11,300	---	2,550	2,040	---
Total	48,266	72,490	243,720	232,400	389,700	639,770	615,070	1,038,500	258,590	121,580	54,436	106,300
Mean	1,557	2,416	7,862	7,497	13,440	20,640	20,500	33,500	8,620	3,922	1,756	3,543
Max	5,270	4,380	20,600	16,800	20,100	71,700	71,800	128,000	20,900	6,020	2,760	14,800
Min	606	1,550	2,040	4,200	6,950	8,340	7,500	11,300	3,930	2,420	996	1,550
Cfsm	0.13	0.21	0.68	0.65	1.16	1.79	1.77	2.90	0.75	0.34	0.15	0.31
In.	0.16	0.23	0.78	0.75	1.25	2.06	1.98	3.34	0.83	0.39	0.18	0.34
Diversions	723	608	582	621	507	499	514	549	621	657	679	621
Mean (adjusted for diversion)	2,280	3,024	8,442	8,119	13,940	21,140	21,010	34,020	9,241	4,579	2,435	4,167
Cfsm (adjusted for diversion)	0.20	0.26	0.73	0.70	1.21	1.83	1.82	2.94	0.80	0.40	0.21	0.36
In. (adjusted for diversion)	0.23	0.29	0.84	0.81	1.30	2.11	2.03	3.39	0.89	0.46	0.24	0.40

01646500 POTOMAC RIVER NEAR WASHINGTON, DC—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	6,020	7,529	11,070	13,760	16,840	23,400	20,180	14,700	9,030	4,897	4,639	5,015
Max	44,100	42,030	37,630	52,890	61,040	76,510	57,850	40,410	46,630	21,040	28,210	44,620
(WY)	(1943)	(1986)	(1997)	(1996)	(1998)	(1936)	(1993)	(1989)	(1972)	(1949)	(1955)	(1996)
Min	583	700	1,038	1,682	1,882	5,291	5,810	3,921	1,536	599	538	679
(WY)	(1931)	(1931)	(1966)	(1981)	(2002)	(2006)	(1995)	(1969)	(1999)	(1999)	(1966)	(1930)

SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1930 - 2008	
Annual total	3,141,615		3,820,822			
Annual mean	8,607		10,440		11,450	
Annual mean‡	9,222		11,040		11,450	
Highest annual mean					23,760	1996
Highest annual mean‡					24,370	1996
Lowest annual mean					4,017	2002
Lowest annual mean‡					4,664	2002
Highest daily mean	111,000	Apr 17	128,000	May 13	426,000	Mar 19, 1936
Lowest daily mean	606	Oct 18	606	Oct 18	[a]121	Sep 9, 1966
Lowest daily mean‡	1,350	Oct 11	1,350	Oct 11	[b]601	Sep 10, 1966
Annual seven-day minimum	679	Oct 8	679	Oct 8	181	Sep 7, 1966
Maximum peak flow			135,000	May 13	484,000	Mar 19, 1936
Maximum peak stage			10.04	May 13	[c]28.10	Mar 19, 1936
Instantaneous low flow			468	Oct 12	66	Sep 9, 1966
Annual runoff (cfsm)	0.74		0.90		0.99	
Annual runoff (cfsm)‡	0.80		0.95		1.03	
Annual runoff (inches)	10.11		12.30		13.45	
Annual runoff (inches)‡	10.83		13.00		13.98	
10 percent exceeds	20,000		21,700		25,600	
50 percent exceeds	3,840		5,880		6,520	
90 percent exceeds	1,120		1,550		1,660	

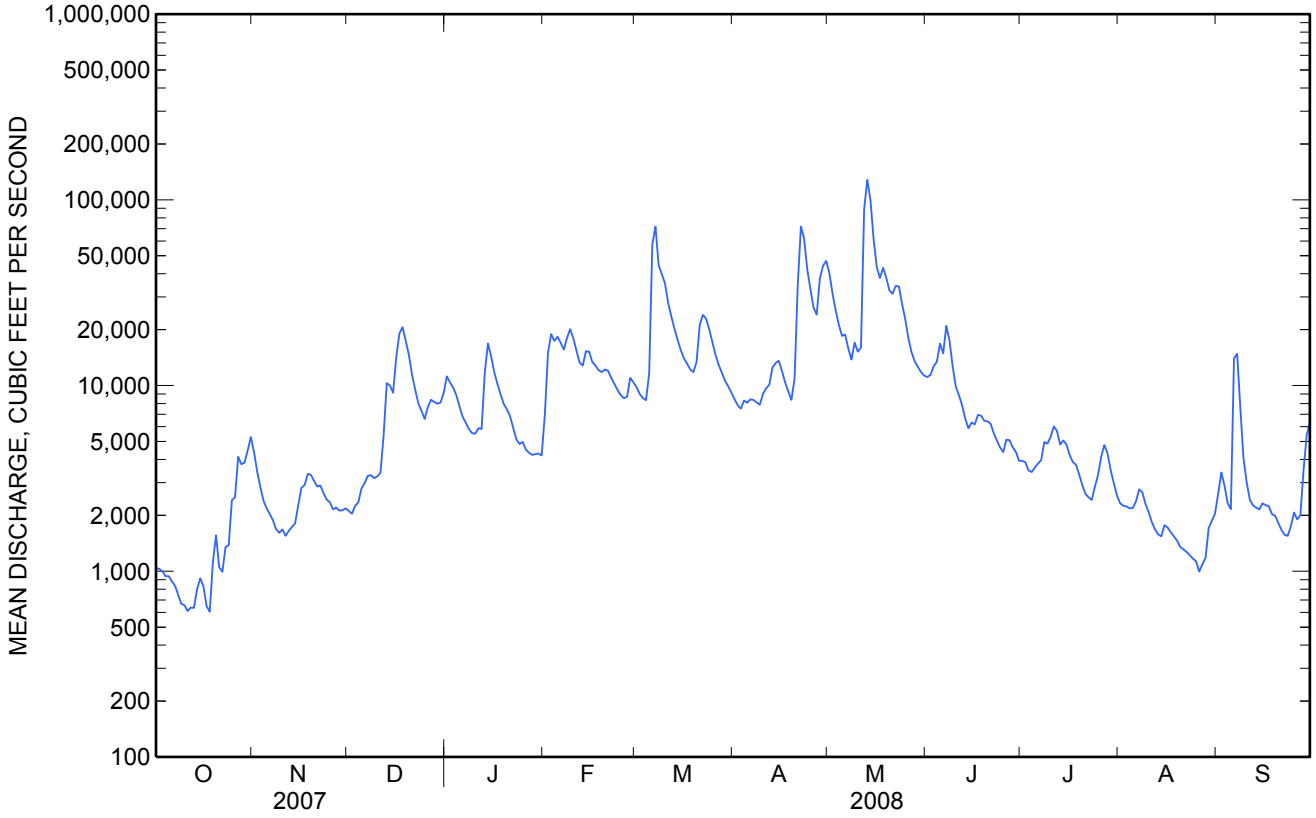
‡ Adjusted for diversion.

[a] Minimum daily discharge observed at gaging station, does not include diversion of 489 ft^3/s.

[b] Includes diversion of 449 ft^3/s.

[c] At previous site, 1 mi upstream at same datum.

01646500 POTOMAC RIVER NEAR WASHINGTON, DC—Continued



01646500 POTOMAC RIVER NEAR WASHINGTON, DC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1989 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1988 to current year.
WATER TEMPERATURE 7.1 ft from riverbed (top): October 1988 to current year.
WATER TEMPERATURE 4.1 ft from riverbed (middle): July 2006 to current year.
WATER TEMPERATURE 1.0 ft from riverbed (bottom): July 2006 to current year.

INSTRUMENTATION.--Water-quality monitor (top) October 1988 to current year.
Water temperature probes (middle, bottom) July 2006 to current year.

REMARKS.--Specific Conductance data rated excellent and Water Temperature data (top, middle, bottom probes) rated good for the entire Water Year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1,820 microsiemens/cm (road salt influence), Feb. 6, 2004; minimum, 67 microsiemens/cm, Jun. 27, 2006.
WATER TEMPERATURE 7.1 ft from riverbed (top): (water years 1989-93, 1995-99, 2001-08): Maximum, 34.0°C, Aug. 3, 2006; minimum, 0.0°C, on many days during winter periods.
WATER TEMPERATURE 4.1 ft from riverbed (middle): (July 12, 2006 to current year): Maximum, 33.8°C, Aug. 2, 2006; minimum, 0.1°C, Feb 5-9, 14-20, 2007.
WATER TEMPERATURE 1.0 ft from riverbed (bottom): (July 12, 2006 current year): Maximum, 33.1°C, Aug. 2, 2006; minimum, 0.0°C, Feb. 6, 2007.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 874 microsiemens/cm (road salt influence), Feb. 13; minimum, 86 microsiemens/cm, Sep. 6.
WATER TEMPERATURE 7.1 ft from riverbed (top): Maximum, 32.7°C, Jul. 19-20; minimum, 0.3°C, Jan. 25.
WATER TEMPERATURE 4.1 ft from riverbed (middle): Maximum, 33.1°C, Jul. 20; minimum, 0.6°C, Jan. 25.
WATER TEMPERATURE 1.0 ft from riverbed (bottom): Maximum, 32.1°C, Jul. 20, 21; minimum, 0.2°C, Jan. 25.

01646500 POTOMAC RIVER NEAR WASHINGTON, DC—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	378	369	372	464	431	445	411	408	410	314	300	305
2	381	374	377	465	445	453	412	408	410	301	295	298
3	397	378	383	449	436	445	411	401	407	298	293	295
4	397	382	388	441	426	436	404	398	401	304	295	298
5	386	382	384	430	408	418	401	394	398	304	298	300
6	386	384	385	412	403	406	466	400	423	312	299	304
7	387	381	385	409	402	404	468	459	464	309	301	303
8	384	380	383	416	405	409	498	460	469	305	301	303
9	387	380	384	427	415	423	566	498	549	308	303	306
10	389	385	387	428	426	427	566	544	554	313	307	311
11	391	387	388	431	412	422	561	502	526	320	312	316
12	396	389	391	422	410	413	528	472	504	322	312	317
13	395	392	393	413	399	406	472	421	440	320	309	315
14	401	395	397	405	396	398	421	387	405	314	287	306
15	404	400	401	402	358	391	387	353	364	287	236	248
16	405	400	403	368	335	353	558	325	382	242	237	239
17	402	399	401	386	364	377	328	305	312	270	242	250
18	401	394	399	389	384	387	309	290	295	573	270	437
19	400	394	397	394	387	391	309	292	303	563	366	436
20	405	397	400	411	392	399	292	276	281	366	334	348
21	413	401	408	419	401	409	297	282	293	345	323	332
22	416	411	414	432	414	419	296	294	295	336	330	332
23	419	416	417	421	416	419	330	295	300	341	328	336
24	422	413	418	427	419	422	359	313	329	340	325	334
25	416	399	408	440	426	430	318	313	315	342	329	337
26	401	385	392	437	422	428	347	318	324	345	337	343
27	386	157	255	422	415	418	347	328	336	348	338	345
28	388	283	353	417	404	410	328	324	326	357	343	353
29	395	383	388	409	404	407	351	313	328	360	353	358
30	428	394	416	411	407	409	316	309	311	373	358	365
31	433	424	427	---	---	---	324	312	317	375	357	367
Month	433	157	390	465	335	412	566	276	380	573	236	324

01646500 POTOMAC RIVER NEAR WASHINGTON, DC—Continued

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

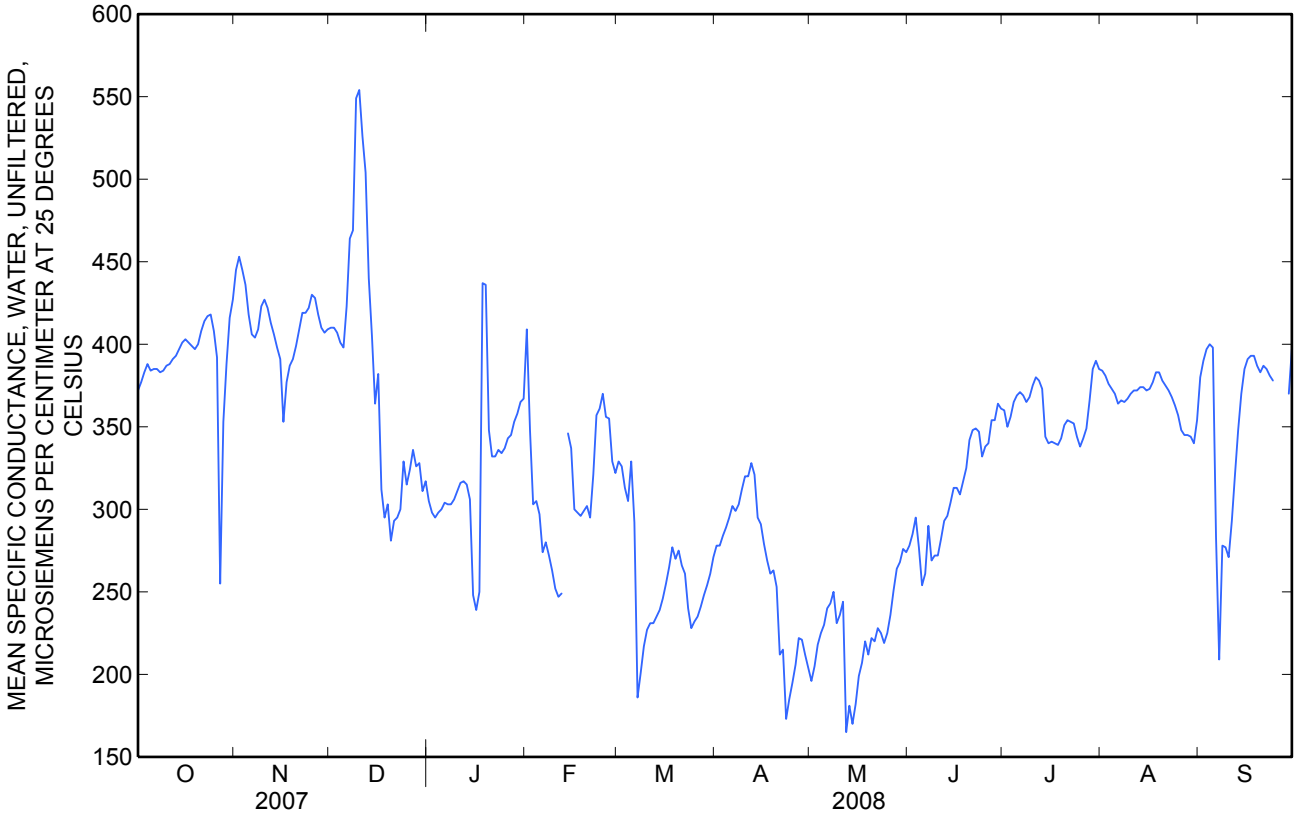
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	742	310	409	343	319	329	281	274	278	199	193	196
2	365	325	348	330	321	326	280	276	278	213	199	205
3	348	271	303	327	305	313	287	280	284	223	213	218
4	310	283	305	309	298	305	310	279	289	226	223	225
5	311	270	297	483	304	329	301	286	295	234	226	230
6	289	270	274	338	205	292	310	297	302	244	234	240
7	289	275	280	207	174	186	304	298	299	244	241	243
8	276	266	272	211	191	201	307	299	303	262	242	250
9	267	256	263	222	211	217	323	307	312	264	215	231
10	259	245	252	231	222	227	334	308	320	246	230	236
11	249	245	247	232	230	231	336	309	320	260	119	244
12	250	249	249	232	230	231	350	309	328	193	112	165
13	874	---	---	238	230	235	361	304	321	198	165	181
14	393	318	346	240	238	239	304	290	295	175	167	170
15	387	313	337	252	239	246	294	287	291	190	175	182
16	313	296	300	269	245	255	288	268	279	203	190	199
17	301	294	298	282	254	265	277	261	269	213	202	207
18	299	293	296	296	263	277	264	259	261	228	213	220
19	301	297	299	304	263	270	266	260	263	220	208	212
20	304	299	302	297	267	275	283	195	253	231	216	222
21	299	293	295	272	253	266	229	194	212	224	217	220
22	422	292	321	266	253	261	244	194	215	237	221	228
23	415	342	357	254	230	240	194	166	173	237	216	225
24	372	352	361	230	227	228	197	171	185	221	217	219
25	376	363	370	234	229	232	202	187	195	230	221	225
26	374	347	356	238	231	235	220	199	206	243	230	236
27	381	337	355	245	238	241	238	212	222	259	243	251
28	339	323	329	252	245	248	226	214	221	268	258	264
29	335	312	322	256	252	254	227	202	212	274	266	268
30	---	---	---	268	256	261	210	195	204	280	272	276
31	---	---	---	274	268	271	---	---	---	284	234	274
Month	874	---	---	483	174	258	361	166	263	284	112	225

01646500 POTOMAC RIVER NEAR WASHINGTON, DC—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	283	273	278	366	354	360	385	381	384	389	366	380
2	289	283	285	354	347	350	385	378	381	395	384	390
3	299	289	295	359	353	356	382	372	376	400	392	397
4	307	201	277	370	358	365	376	370	373	404	395	400
5	272	214	254	374	366	369	373	367	370	405	395	398
6	275	253	261	375	368	371	370	361	364	400	86	283
7	296	275	290	373	364	369	368	360	366	243	150	209
8	292	262	269	370	361	365	371	356	365	318	223	278
9	276	263	272	374	364	368	372	362	367	315	260	277
10	276	270	272	382	372	375	375	367	370	278	263	271
11	288	275	282	385	376	380	374	370	372	309	277	293
12	295	288	293	383	376	378	375	368	372	338	307	321
13	299	294	296	380	365	373	377	372	374	361	338	348
14	311	298	304	365	331	344	380	367	374	380	361	370
15	320	311	313	344	333	340	377	362	372	393	380	385
16	316	311	313	344	339	341	375	370	373	394	388	391
17	313	306	309	341	339	340	380	373	377	399	389	393
18	324	310	317	342	337	339	387	380	383	398	391	393
19	329	323	325	346	340	343	387	377	383	393	382	387
20	348	329	342	355	346	351	384	372	378	386	380	383
21	350	348	348	356	351	354	380	370	375	391	383	387
22	350	346	349	356	350	353	379	366	372	389	380	385
23	352	344	347	355	344	352	375	362	368	386	377	381
24	348	324	332	348	338	344	369	356	363	382	373	378
25	342	336	338	341	334	338	364	348	357	---	---	---
26	346	338	340	348	339	343	356	340	348	---	---	---
27	363	346	354	352	342	349	348	340	345	---	---	---
28	367	340	354	379	345	366	348	340	345	---	---	---
29	371	360	364	389	379	385	348	341	344	398	350	370
30	365	357	361	398	387	390	346	337	340	405	389	397
31	---	---	---	389	380	385	366	339	354	---	---	---
Month	371	201	311	398	331	359	387	337	367	---	---	---

01646500 POTOMAC RIVER NEAR WASHINGTON, DC—Continued



01646500 POTOMAC RIVER NEAR WASHINGTON, DC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
7.1 FT FROM RIVERBED (TOP)
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	23.8	22.3	22.7	15.0	13.5	14.3	7.5	6.7	7.1	5.6	4.7	5.1
2	23.1	22.0	22.5	14.5	13.2	14.0	6.8	6.1	6.5	4.7	2.6	3.9
3	23.8	22.4	23.1	14.2	12.9	13.3	6.3	5.8	6.2	2.6	1.4	2.1
4	25.1	22.9	24.1	13.2	12.5	12.8	6.2	4.5	5.1	2.2	1.2	1.5
5	25.1	23.8	24.4	12.7	12.0	12.4	4.8	3.0	4.2	2.3	1.1	1.7
6	25.7	23.9	24.6	12.6	12.0	12.3	3.1	2.1	2.5	3.6	1.8	2.7
7	25.4	23.9	24.7	12.0	10.7	11.1	2.5	1.5	1.8	5.1	3.3	4.1
8	27.4	24.6	25.5	10.8	10.1	10.4	3.5	2.2	2.7	6.9	4.5	5.5
9	26.5	24.7	25.4	10.2	9.1	9.6	4.0	3.2	3.6	8.7	6.4	7.5
10	26.0	24.7	25.2	9.2	8.8	8.9	5.1	4.0	4.4	8.1	7.3	7.6
11	24.9	21.4	23.2	9.3	8.5	8.9	6.0	5.1	5.4	7.4	6.9	7.1
12	21.5	19.6	20.3	9.3	9.0	9.2	6.8	5.8	6.2	7.6	6.6	7.0
13	20.4	19.3	19.7	9.9	9.3	9.5	6.6	5.4	6.2	6.8	6.1	6.3
14	19.6	18.7	19.2	11.0	9.8	10.4	5.9	5.1	5.4	6.3	5.8	6.1
15	18.8	18.1	18.4	11.1	10.5	10.9	5.1	4.7	5.0	5.8	4.8	5.3
16	19.2	17.5	18.3	10.7	9.7	10.0	5.2	4.6	4.9	4.8	4.0	4.4
17	20.2	17.9	18.9	9.7	9.1	9.4	5.0	3.9	4.2	4.2	3.4	3.9
18	19.9	19.0	19.4	9.8	9.0	9.3	3.9	3.0	3.5	4.2	3.0	3.5
19	20.4	19.8	20.2	9.8	8.9	9.3	3.9	3.5	3.6	4.0	3.4	3.7
20	20.3	19.8	20.1	9.3	8.9	9.1	3.7	3.2	3.4	3.5	2.0	3.0
21	20.5	19.1	19.8	10.3	9.1	9.6	3.6	3.3	3.4	2.0	0.9	1.5
22	20.4	19.4	19.9	11.3	10.1	10.7	4.0	3.4	3.8	1.3	0.6	0.9
23	20.2	19.5	19.7	11.2	9.4	10.0	5.5	3.9	4.7	2.1	0.7	1.2
24	19.8	19.2	19.6	9.5	8.5	9.0	5.8	4.9	5.4	2.0	0.7	1.3
25	19.3	17.9	18.5	8.6	7.8	8.2	5.3	4.4	4.8	1.8	0.3	1.0
26	17.9	16.9	17.4	8.6	7.9	8.1	4.6	4.2	4.4	1.7	0.4	1.0
27	17.0	16.1	16.6	9.2	8.5	8.9	5.4	4.4	4.7	2.5	0.8	1.4
28	16.9	15.8	16.4	9.0	8.4	8.7	5.1	4.6	4.8	3.1	1.3	2.0
29	16.2	14.4	15.1	8.7	8.0	8.3	6.2	4.8	5.6	3.5	2.0	2.6
30	15.1	13.4	14.5	8.1	7.4	7.7	5.7	5.2	5.5	4.6	3.2	3.8
31	14.9	13.3	14.2	---	---	---	5.9	4.9	5.3	4.7	2.9	3.7
Month	27.4	13.3	20.4	15.0	7.4	10.1	7.5	1.5	4.7	8.7	0.3	3.6

01646500 POTOMAC RIVER NEAR WASHINGTON, DC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
7.1 FT FROM RIVERBED (TOP)
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

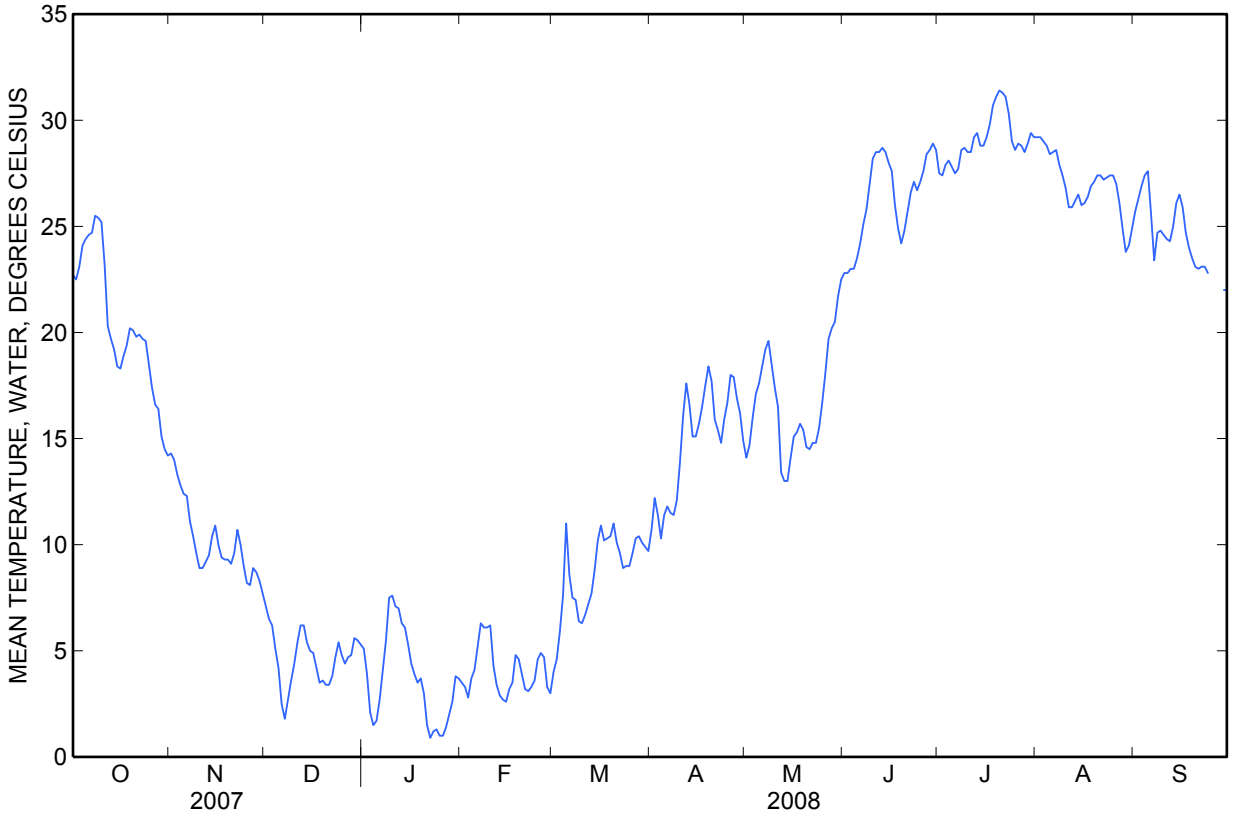
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	4.4	3.0	3.5	5.2	3.0	4.0	12.2	9.4	10.7	14.4	13.8	14.1
2	3.7	3.0	3.3	5.8	3.9	4.6	13.6	11.3	12.2	15.7	13.7	14.7
3	3.4	2.4	2.8	7.7	4.4	5.9	11.9	10.7	11.4	17.3	14.8	16.0
4	4.1	3.4	3.7	8.6	6.3	7.6	10.9	9.7	10.3	17.9	16.2	17.1
5	4.4	3.9	4.1	13.0	8.5	11.0	12.6	10.5	11.4	18.5	16.8	17.6
6	6.2	4.4	5.2	9.5	7.8	8.6	12.0	11.4	11.8	19.2	17.5	18.4
7	6.7	6.0	6.3	7.8	7.4	7.5	11.9	11.3	11.5	20.0	18.4	19.2
8	6.5	5.7	6.1	7.8	7.2	7.4	11.8	11.2	11.4	20.1	19.3	19.6
9	6.8	5.7	6.1	7.2	6.0	6.4	13.4	11.1	12.1	19.3	18.0	18.5
10	6.8	5.2	6.2	6.8	5.7	6.3	15.6	12.4	13.9	18.0	16.8	17.4
11	5.3	3.8	4.3	7.2	6.0	6.7	17.5	14.5	16.1	17.4	13.5	16.5
12	4.0	2.4	3.4	7.9	6.4	7.2	18.7	16.5	17.6	14.2	12.8	13.4
13	4.0	2.4	2.9	8.7	6.8	7.7	17.4	15.3	16.6	13.5	12.7	13.0
14	3.0	2.2	2.7	9.7	8.1	8.8	15.9	14.4	15.1	13.4	12.6	13.0
15	2.9	2.2	2.6	11.0	9.6	10.2	15.8	14.4	15.1	14.8	13.3	14.1
16	3.8	2.8	3.2	11.4	10.6	10.9	16.6	15.0	15.7	15.5	14.6	15.1
17	3.8	3.3	3.5	10.7	9.4	10.2	17.7	15.7	16.5	16.1	14.5	15.3
18	5.7	3.8	4.8	10.7	9.9	10.3	19.1	16.1	17.5	16.0	15.4	15.7
19	5.0	4.0	4.6	11.3	10.0	10.4	19.8	17.1	18.4	16.1	14.8	15.4
20	4.3	3.4	3.9	11.6	10.4	11.0	18.3	16.6	17.7	15.5	14.2	14.6
21	3.7	2.8	3.2	10.5	9.3	10.1	16.7	15.1	15.9	15.2	13.8	14.5
22	3.3	2.9	3.1	10.3	9.2	9.6	16.2	14.8	15.4	15.4	14.2	14.8
23	3.6	3.0	3.3	9.5	8.1	8.9	15.3	14.4	14.8	15.5	13.8	14.8
24	4.5	3.0	3.6	9.5	8.4	9.0	16.8	15.0	15.9	16.6	14.4	15.5
25	5.7	3.7	4.6	9.5	8.2	9.0	17.7	15.8	16.7	17.9	15.4	16.7
26	5.2	4.6	4.9	10.3	9.0	9.6	19.1	16.9	18.0	19.6	16.9	18.1
27	5.2	4.0	4.7	10.4	10.1	10.3	18.8	17.6	17.9	20.1	19.3	19.7
28	4.0	2.9	3.3	10.8	10.0	10.4	17.8	16.3	16.9	20.8	19.8	20.2
29	3.5	2.6	3.0	10.7	9.5	10.1	16.6	15.4	16.2	21.4	19.6	20.5
30	---	---	---	10.4	9.4	9.9	15.4	14.4	14.9	22.4	21.1	21.7
31	---	---	---	10.0	9.4	9.7	---	---	---	23.1	21.8	22.5
Month	6.8	2.2	4.0	13.0	3.0	8.7	19.8	9.4	14.9	23.1	12.6	16.7

01646500 POTOMAC RIVER NEAR WASHINGTON, DC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
7.1 FT FROM RIVERBED (TOP)
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	23.7	22.0	22.8	28.3	26.3	27.5	30.3	28.3	29.2	27.1	24.6	25.7
2	23.7	22.2	22.8	28.6	25.9	27.4	30.4	28.5	29.2	27.5	24.9	26.3
3	23.4	22.7	23.0	29.1	26.2	27.9	29.8	28.2	29.0	28.7	25.4	26.9
4	23.7	22.4	23.0	29.1	26.9	28.1	29.5	28.0	28.8	28.6	26.3	27.4
5	24.6	22.6	23.5	28.4	27.0	27.8	29.0	28.1	28.4	27.9	27.1	27.6
6	24.9	23.6	24.2	28.0	26.6	27.5	29.4	27.8	28.5	27.7	22.6	25.6
7	26.0	24.2	25.1	28.7	26.5	27.7	29.5	27.7	28.6	24.2	22.6	23.4
8	26.8	24.8	25.8	30.1	26.9	28.6	28.9	26.7	27.9	25.7	23.9	24.7
9	27.8	26.2	27.0	29.4	28.0	28.7	28.1	26.5	27.4	25.1	24.3	24.8
10	29.3	27.5	28.2	29.4	27.4	28.5	27.4	26.4	26.8	25.4	23.7	24.6
11	29.6	27.7	28.5	29.6	27.3	28.5	26.5	25.5	25.9	24.8	23.8	24.4
12	29.7	27.6	28.5	30.4	27.9	29.2	27.0	24.8	25.9	24.6	24.1	24.3
13	29.8	27.7	28.7	30.6	28.2	29.4	26.9	25.3	26.2	26.8	24.2	25.0
14	29.4	27.8	28.5	29.6	27.9	28.8	28.0	25.6	26.5	27.6	25.0	26.1
15	29.1	27.2	28.0	30.0	27.5	28.8	26.6	25.5	26.0	27.0	25.9	26.5
16	28.4	26.5	27.6	30.5	27.7	29.2	27.0	25.1	26.1	26.7	25.4	25.9
17	26.7	25.5	26.0	31.3	28.1	29.8	27.9	25.2	26.4	25.4	24.1	24.7
18	25.7	24.3	24.9	32.0	28.9	30.7	28.7	25.6	26.9	24.5	23.4	24.0
19	25.2	23.5	24.2	32.7	29.5	31.1	28.2	26.1	27.1	24.0	23.2	23.5
20	26.3	23.4	24.8	32.7	30.1	31.4	28.4	26.4	27.4	24.1	22.3	23.1
21	27.0	24.4	25.7	32.1	30.2	31.3	28.3	26.2	27.4	24.4	22.0	23.0
22	27.9	25.3	26.6	31.9	30.2	31.1	27.8	26.3	27.2	24.8	22.0	23.1
23	28.4	25.9	27.1	31.3	29.6	30.3	27.9	26.3	27.3	23.6	22.4	23.1
24	27.9	25.4	26.7	29.6	28.3	29.0	28.5	26.2	27.4	23.3	22.2	22.8
25	28.2	25.6	27.1	29.7	27.2	28.6	27.9	26.7	27.4	---	---	---
26	29.0	26.1	27.6	29.9	27.4	28.9	27.6	26.3	27.0	---	---	---
27	29.6	27.1	28.4	29.6	27.8	28.8	27.1	25.7	26.1	---	---	---
28	29.7	27.4	28.6	29.4	27.4	28.5	25.7	24.4	24.9	22.4	---	---
29	30.0	27.6	28.9	30.3	27.5	28.9	24.4	23.6	23.8	22.8	21.3	22.0
30	29.4	27.5	28.6	30.2	28.2	29.4	25.8	23.1	24.1	22.6	21.5	22.0
31	---	---	---	29.6	28.6	29.2	26.6	23.7	24.9	---	---	---
Month	30.0	22.0	26.3	32.7	25.9	29.1	30.4	23.1	27.0	---	---	---

01646500 POTOMAC RIVER NEAR WASHINGTON, DC—Continued



01646500 POTOMAC RIVER NEAR WASHINGTON, DC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
4.1 FT FROM RIVERBED (MIDDLE)
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	23.9	22.7	23.1	15.5	13.9	14.7	7.8	6.8	7.2	6.0	5.1	5.5
2	23.5	22.2	22.8	15.0	13.6	14.5	7.1	6.2	6.6	5.1	2.9	4.3
3	24.2	22.7	23.3	14.6	13.3	13.8	6.7	6.1	6.5	3.0	1.7	2.4
4	25.1	23.3	23.9	13.8	12.9	13.3	6.3	4.9	5.4	2.4	1.5	1.8
5	25.1	24.1	24.7	13.2	12.4	12.8	---	3.4	---	2.6	1.4	2.0
6	25.2	24.3	24.7	13.1	12.4	12.7	4.1	2.4	2.9	4.0	2.2	3.0
7	25.8	24.3	25.0	12.4	11.2	11.5	2.9	1.8	2.2	5.5	3.6	4.4
8	26.1	25.0	25.3	11.3	10.6	10.8	3.8	2.5	3.0	7.3	4.9	5.9
9	26.0	24.9	25.4	10.7	9.4	9.8	4.4	3.5	3.9	9.2	6.8	7.9
10	25.9	25.1	25.5	9.4	9.2	9.3	5.5	4.4	4.8	8.7	7.8	8.1
11	25.2	21.7	23.5	9.8	8.9	9.3	6.4	5.5	5.8	7.9	7.4	7.6
12	21.7	19.9	20.6	9.8	9.3	9.6	7.2	6.3	6.6	8.0	7.1	7.6
13	20.7	19.7	20.1	10.4	9.6	9.9	7.1	5.7	6.6	7.4	6.5	6.8
14	20.1	19.1	19.6	11.5	10.3	10.8	6.3	5.4	5.8	6.8	6.3	6.6
15	19.2	18.5	18.8	11.5	11.0	11.4	5.6	5.0	5.4	6.3	5.2	5.7
16	18.8	18.0	18.3	11.2	10.1	10.5	5.6	5.0	5.3	5.2	4.4	4.8
17	19.4	18.2	18.6	10.2	9.5	9.8	5.3	4.2	4.6	4.7	3.8	4.3
18	20.0	18.5	19.3	10.3	9.2	9.7	4.3	3.3	3.8	4.6	3.4	3.9
19	20.9	19.6	20.2	10.2	9.4	9.7	4.2	3.9	4.0	4.4	3.7	4.1
20	20.8	20.2	20.6	9.8	9.3	9.6	4.0	3.5	3.7	3.9	2.4	3.5
21	20.5	19.5	20.1	10.8	9.5	10	3.9	3.6	3.7	2.6	1.2	1.9
22	20.6	19.8	20.2	11.8	10.6	11.1	4.4	3.7	4.2	1.6	0.9	1.3
23	20.5	19.9	20.1	11.7	10.0	10.4	5.9	4.3	5.0	2.5	1.0	1.6
24	20.3	19.7	20.1	10.0	8.8	9.4	6.2	5.4	5.8	2.4	1.0	1.6
25	19.7	18.3	18.9	9.0	8.2	8.5	5.7	4.8	5.2	2.2	0.6	1.4
26	18.3	17.3	17.7	8.9	8.3	8.5	5.1	4.6	4.8	2.0	0.7	1.3
27	17.5	16.5	17.0	9.7	8.9	9.4	5.8	4.8	5.1	2.8	1.1	1.8
28	17.4	16.2	16.8	9.4	8.7	9.1	5.5	5.0	5.2	3.5	1.7	2.3
29	16.7	14.7	15.6	9.2	8.3	8.6	6.6	5.2	6.0	3.9	2.4	3.0
30	15.6	13.8	14.8	8.4	7.7	7.9	6.2	5.6	6.0	5.0	3.6	4.2
31	15.4	13.7	14.6	---	---	---	6.3	5.3	5.7	5.1	3.3	4.2
Month	26.1	13.7	20.6	15.5	7.7	10.5	---	1.8	---	9.2	0.6	4.0

01646500 POTOMAC RIVER NEAR WASHINGTON, DC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
4.1 FT FROM RIVERBED (MIDDLE)
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

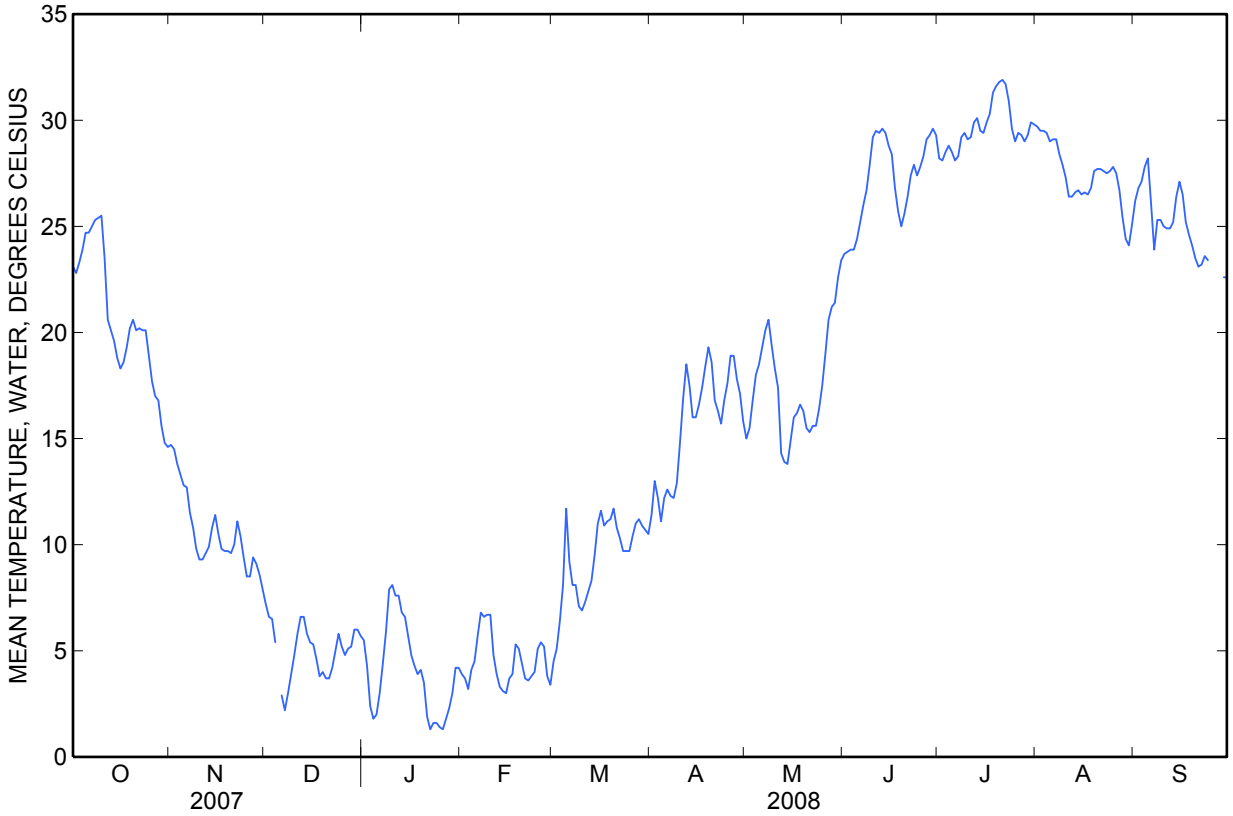
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	4.8	3.4	3.9	5.6	3.4	4.5	13.0	10.2	11.4	15.3	14.6	15.0
2	4.2	3.3	3.7	6.3	4.3	5.1	14.4	12.1	13.0	16.6	14.6	15.5
3	3.8	2.7	3.2	8.2	5.0	6.4	12.8	11.5	12.2	18.2	15.7	16.8
4	4.5	3.8	4.1	9.2	6.8	8.1	11.7	10.4	11.1	18.8	17.1	18.0
5	4.9	4.3	4.5	13.8	9.1	11.7	13.5	11.3	12.2	19.4	17.7	18.5
6	6.6	4.9	5.7	10.1	8.4	9.2	12.9	12.3	12.6	20.1	18.3	19.3
7	7.2	6.5	6.8	8.4	8.0	8.1	12.7	12.1	12.3	20.9	19.3	20.1
8	7.0	6.2	6.6	8.5	7.8	8.1	12.6	11.9	12.2	21.1	20.2	20.6
9	7.3	6.2	6.7	7.8	6.5	7.1	14.2	11.9	12.9	20.2	19.0	19.4
10	7.3	5.8	6.7	7.4	6.2	6.9	16.4	13.3	14.8	19.0	17.7	18.3
11	5.8	4.3	4.8	7.9	6.6	7.3	18.4	15.3	16.9	18.3	14.3	17.4
12	4.4	3.3	3.9	8.6	7.0	7.8	19.6	17.4	18.5	15.1	13.6	14.3
13	3.6	2.8	3.3	9.3	7.4	8.3	18.4	16.2	17.5	14.4	13.5	13.9
14	3.5	2.5	3.1	10.4	8.8	9.5	16.8	15.3	16.0	14.3	13.4	13.8
15	3.3	2.6	3.0	11.7	10.3	11.0	16.6	15.3	16.0	15.7	14.2	14.9
16	4.3	3.2	3.7	12.2	11.3	11.6	17.5	15.9	16.6	16.4	15.5	16.0
17	4.1	3.8	3.9	11.5	10.1	10.9	18.6	16.6	17.4	17.0	15.3	16.2
18	6.2	4.1	5.3	11.4	10.7	11.1	19.9	17.1	18.4	16.8	16.3	16.6
19	5.5	4.4	5.1	12.0	10.8	11.2	20.7	18.0	19.3	17.0	15.7	16.3
20	4.7	3.8	4.4	12.3	11.1	11.7	19.3	17.5	18.6	16.4	15.1	15.5
21	4.2	3.2	3.7	11.2	10.0	10.8	17.6	16.0	16.8	16.1	14.6	15.3
22	3.8	3.3	3.6	11.1	10.0	10.3	17.1	15.7	16.3	16.2	15.1	15.6
23	4.1	3.4	3.8	10.3	8.8	9.7	16.2	15.3	15.7	16.4	14.7	15.6
24	5.0	3.4	4.0	10.3	9.1	9.7	17.7	15.9	16.8	17.5	15.2	16.4
25	6.2	4.1	5.1	10.3	8.9	9.7	18.6	16.7	17.6	18.8	16.3	17.5
26	5.7	5.1	5.4	11.0	9.7	10.4	20.0	17.8	18.9	20.5	17.8	19.0
27	5.7	4.5	5.2	11.2	10.8	11.0	19.7	18.5	18.9	21.1	20.2	20.6
28	4.5	3.3	3.8	11.6	10.8	11.2	18.7	17.2	17.8	21.7	20.7	21.2
29	4.0	3.0	3.4	11.5	10.3	10.9	17.5	16.3	17.1	22.3	20.5	21.4
30	---	---	---	11.2	10.1	10.7	16.3	15.3	15.8	23.3	22.0	22.6
31	---	---	---	10.7	10.1	10.5	---	---	---	24.0	22.8	23.4
Month	7.3	2.5	4.5	13.8	3.4	9.4	20.7	10.2	15.7	24.0	13.4	17.6

01646500 POTOMAC RIVER NEAR WASHINGTON, DC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
4.1 FT FROM RIVERBED (MIDDLE)
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	24.6	22.8	23.7	29.0	27.0	28.2	30.6	28.8	29.7	27.1	25.2	26.2
2	24.6	23.1	23.8	29.3	26.5	28.1	30.6	29.0	29.5	27.7	25.3	26.8
3	24.4	23.6	23.9	29.8	26.9	28.5	30.4	28.7	29.5	28.1	25.9	27.1
4	24.6	23.4	23.9	29.9	27.6	28.8	30.1	28.6	29.4	28.9	26.9	27.8
5	25.5	23.5	24.4	29.1	27.6	28.5	29.7	28.7	29.0	28.6	27.7	28.2
6	25.8	24.5	25.2	28.7	27.2	28.1	29.9	28.2	29.1	28.4	23.2	26.1
7	27.0	25.2	26.0	29.4	27.0	28.3	29.9	28.2	29.1	24.8	23.1	23.9
8	27.7	25.7	26.7	30.8	27.4	29.2	29.5	27.2	28.4	26.3	24.4	25.3
9	28.7	27.1	27.9	30.1	28.7	29.4	28.6	27.0	27.9	25.7	24.9	25.3
10	30.3	28.4	29.2	30.1	28.0	29.1	27.9	26.9	27.3	25.6	24.2	25.0
11	30.6	28.6	29.5	30.3	27.9	29.2	27.1	26.0	26.4	25.4	24.3	24.9
12	30.6	28.5	29.4	31.2	28.6	29.9	27.5	25.3	26.4	25.2	24.5	24.9
13	30.7	28.6	29.6	31.3	28.8	30.1	27.4	25.8	26.6	25.9	24.8	25.2
14	30.3	28.7	29.4	30.3	28.5	29.5	27.6	26.1	26.7	27.6	25.6	26.4
15	30.0	28.1	28.8	30.6	28.1	29.4	27.2	26.0	26.5	27.7	26.5	27.1
16	29.3	27.2	28.4	31.2	28.3	29.9	27.5	25.5	26.6	27.4	25.9	26.5
17	27.5	26.3	26.8	31.7	28.6	30.3	27.4	25.7	26.5	25.9	24.6	25.2
18	26.4	24.9	25.7	32.6	29.5	31.3	27.5	26.1	26.8	25.1	23.9	24.6
19	25.9	24.2	25.0	32.9	30.1	31.6	28.8	26.6	27.6	24.5	23.7	24.1
20	27.1	24.2	25.6	33.1	30.6	31.8	28.6	26.9	27.7	24.3	22.8	23.5
21	27.8	25.1	26.4	32.8	30.9	31.9	28.7	26.8	27.7	23.7	22.5	23.1
22	28.7	26.0	27.4	32.4	30.8	31.7	28.4	26.7	27.6	24.0	22.6	23.2
23	29.3	26.7	27.9	31.9	30.2	30.9	28.2	26.8	27.5	24.3	23.0	23.6
24	28.7	26.1	27.4	30.2	28.8	29.6	28.4	26.8	27.6	24.0	22.7	23.4
25	29.0	26.3	27.8	30.0	27.6	29.0	28.4	27.3	27.8	---	---	---
26	29.8	26.9	28.3	30.6	27.8	29.4	28.2	26.9	27.5	---	---	---
27	30.4	27.9	29.1	30.2	28.3	29.3	27.8	26.2	26.7	---	---	---
28	30.5	28.1	29.3	30.0	28.0	29.0	26.3	24.8	25.4	22.6	---	---
29	30.8	28.3	29.6	30.5	28.0	29.3	24.8	24.1	24.4	23.5	21.9	22.6
30	30.2	28.2	29.3	30.6	28.8	29.9	24.8	23.5	24.1	23.2	22.1	22.6
31	---	---	---	30.3	29.2	29.8	26.1	24.2	25.1	---	---	---
Month	30.8	22.8	27.2	33.1	26.5	29.6	30.6	23.5	27.4	---	---	---

01646500 POTOMAC RIVER NEAR WASHINGTON, DC—Continued



01646500 POTOMAC RIVER NEAR WASHINGTON, DC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
1.0 FT FROM RIVERBED (BOTTOM)
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	23.0	22.2	22.5	15.0	13.5	14.2	7.3	6.3	6.7	5.6	4.6	5.0
2	22.6	21.7	22.1	14.5	13.1	13.9	6.4	5.7	6.1	4.7	2.4	3.9
3	22.6	22.2	22.4	14.1	12.9	13.3	6.3	5.7	6.0	2.6	1.3	2.1
4	23.1	22.5	22.8	13.3	12.5	12.8	5.7	4.6	4.9	2.1	1.1	1.5
5	23.7	22.9	23.4	12.7	11.9	12.4	4.9	3.4	4.1	2.2	1.1	1.6
6	24.0	23.6	23.8	12.6	11.9	12.3	3.9	2.1	3.0	3.5	1.8	2.6
7	24.8	23.8	24.1	11.9	10.8	11.1	3.0	1.5	2.2	5.1	3.2	4.0
8	24.5	24.2	24.4	10.8	10.2	10.3	3.4	2.1	2.8	6.8	4.5	5.3
9	24.8	24.2	24.4	10.2	9.0	9.4	4.0	3.2	3.5	8.7	6.3	7.3
10	24.8	24.4	24.6	9.0	8.8	8.9	5.1	4.0	4.4	8.2	7.3	7.6
11	24.7	21.2	23.0	9.3	8.4	8.8	6.0	5.0	5.4	7.4	6.9	7.1
12	21.2	19.4	20.1	9.4	8.9	9.2	6.8	5.8	6.2	7.5	6.6	7.0
13	20.1	19.2	19.6	9.9	9.2	9.5	6.7	5.4	6.2	6.8	6.1	6.3
14	19.5	18.7	19.1	11.1	9.9	10.3	5.9	5.0	5.3	6.3	5.8	6.1
15	18.8	17.9	18.2	11.1	10.7	10.9	5.2	4.6	5.0	5.9	4.7	5.3
16	18.2	17.5	17.7	10.7	9.7	10.0	5.2	4.6	4.9	4.8	3.9	4.3
17	18.1	17.5	17.8	9.8	9.0	9.4	4.9	3.9	4.2	4.2	3.3	3.9
18	19.0	17.9	18.4	9.8	8.8	9.2	3.9	2.9	3.4	4.1	2.9	3.5
19	20.3	18.9	19.6	9.8	9.0	9.2	3.8	3.4	3.6	3.9	3.4	3.7
20	20.3	19.7	20.0	9.3	8.9	9.1	3.6	3.1	3.4	3.4	2.1	3.0
21	20.0	18.9	19.5	10.3	9.0	9.5	3.5	3.3	3.4	2.4	1.1	1.6
22	19.8	19.4	19.5	11.3	10.1	10.6	4.0	3.4	3.8	1.5	0.5	0.9
23	19.8	19.4	19.6	11.2	9.5	10	5.4	3.9	4.6	2.1	0.6	1.2
24	19.8	19.3	19.6	9.5	8.4	8.9	5.8	5.0	5.4	2.0	0.7	1.3
25	19.3	17.8	18.4	8.5	7.8	8.1	5.3	4.3	4.8	1.8	0.2	1.1
26	17.8	16.9	17.3	8.4	7.9	8.0	4.6	4.2	4.4	1.6	0.3	1.0
27	17.1	16.0	16.5	9.2	8.4	8.9	5.3	4.4	4.7	2.4	0.7	1.4
28	16.9	15.7	16.3	8.9	8.2	8.6	5.1	4.6	4.8	3.0	1.3	2.0
29	16.1	14.3	15.1	8.7	7.8	8.2	6.1	4.8	5.5	3.4	2.0	2.6
30	15.1	13.3	14.3	7.8	7.2	7.5	5.8	5.2	5.5	4.5	3.1	3.7
31	15.0	13.3	14.1	---	---	---	5.9	4.9	5.2	4.5	2.8	3.7
Month	24.8	13.3	19.9	15.0	7.2	10.1	7.3	1.5	4.6	8.7	0.2	3.6

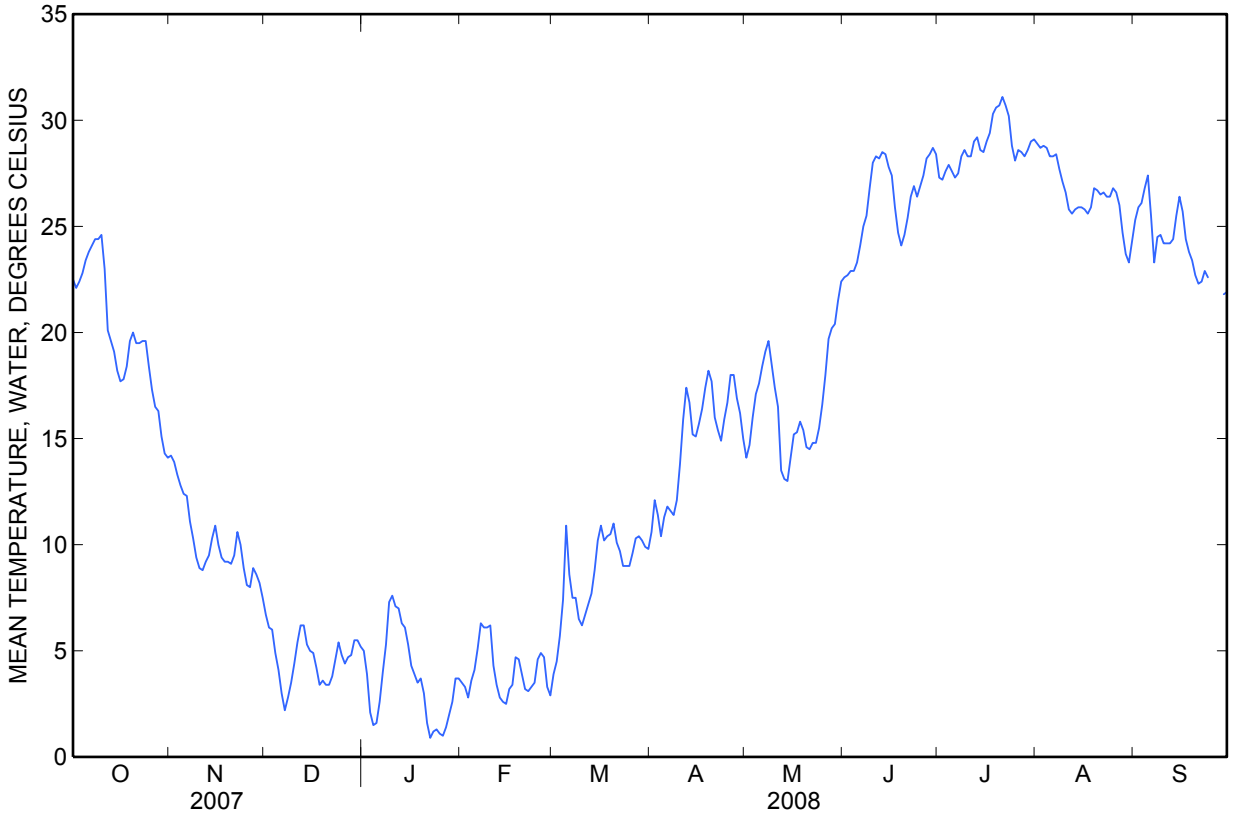
01646500 POTOMAC RIVER NEAR WASHINGTON, DC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
1.0 FT FROM RIVERBED (BOTTOM)
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	4.3	3.0	3.5	5.1	2.9	3.9	12.3	9.4	10.6	14.5	13.8	14.1
2	3.7	2.9	3.3	5.6	3.8	4.5	13.6	11.4	12.1	15.8	13.8	14.7
3	3.2	2.3	2.8	7.5	4.4	5.7	11.9	10.7	11.4	17.3	14.8	16.0
4	4.0	3.2	3.6	8.6	6.2	7.4	10.9	9.7	10.4	18.0	16.2	17.1
5	4.4	3.8	4.1	13.1	8.5	10.9	12.7	10.6	11.3	18.5	16.8	17.6
6	6.1	4.4	5.1	9.6	7.8	8.6	12.1	11.5	11.8	19.2	17.5	18.4
7	6.7	6.0	6.3	7.8	7.4	7.5	11.9	11.3	11.6	19.9	18.4	19.1
8	6.5	5.7	6.1	7.9	7.2	7.5	11.9	11.2	11.4	20.2	19.3	19.6
9	6.8	5.6	6.1	7.2	5.9	6.5	13.4	11.2	12.1	19.3	18.1	18.5
10	6.8	5.3	6.2	6.8	5.6	6.2	15.6	12.5	13.8	18.1	16.8	17.4
11	5.3	3.8	4.3	7.2	6.0	6.7	17.5	14.5	15.9	17.4	13.5	16.5
12	3.9	2.9	3.4	7.9	6.4	7.2	18.6	16.4	17.4	14.3	12.8	13.5
13	3.1	2.3	2.8	8.7	6.8	7.7	17.5	15.4	16.7	13.6	12.7	13.1
14	3.0	2.1	2.6	9.8	8.2	8.8	15.9	14.4	15.2	13.5	12.6	13.0
15	2.8	2.1	2.5	11.0	9.6	10.2	15.8	14.5	15.1	14.9	13.4	14.1
16	3.8	2.7	3.2	11.4	10.6	10.9	16.5	15.0	15.7	15.5	14.7	15.2
17	3.7	3.3	3.4	10.7	9.4	10.2	17.6	15.7	16.4	16.2	14.5	15.3
18	5.6	3.7	4.7	10.7	10.0	10.4	19.0	16.2	17.4	16.0	15.5	15.8
19	5.0	3.9	4.6	11.2	10.1	10.5	19.7	17.1	18.2	16.1	14.9	15.4
20	4.2	3.3	3.9	11.6	10.4	11.0	18.3	16.6	17.7	15.6	14.2	14.6
21	3.6	2.7	3.2	10.5	9.3	10.1	16.8	15.2	16.0	15.2	13.8	14.5
22	3.3	2.8	3.1	10.4	9.3	9.7	16.3	14.9	15.4	15.4	14.2	14.8
23	3.6	2.8	3.3	9.6	8.1	9.0	15.4	14.4	14.9	15.6	13.9	14.8
24	4.4	3.0	3.5	9.5	8.5	9.0	16.8	15.0	15.9	16.6	14.4	15.5
25	5.6	3.6	4.6	9.6	8.2	9.0	17.8	15.8	16.7	18.0	15.4	16.6
26	5.2	4.5	4.9	10.3	9.1	9.6	19.1	16.9	18.0	19.6	16.9	18.0
27	5.2	4.0	4.7	10.5	10.1	10.3	18.8	17.6	18.0	20.1	19.3	19.7
28	4.0	2.8	3.3	10.9	10.1	10.4	17.8	16.4	16.9	20.7	19.8	20.2
29	3.5	2.5	2.9	10.7	9.6	10.2	16.6	15.4	16.2	21.4	19.6	20.4
30	---	---	---	10.5	9.4	9.9	15.4	14.5	15.0	22.3	21.0	21.5
31	---	---	---	10.0	9.5	9.8	---	---	---	23.0	21.8	22.4
Month	6.8	2.1	4.0	13.1	2.9	8.7	19.7	9.4	14.8	23.0	12.6	16.7

01646500 POTOMAC RIVER NEAR WASHINGTON, DC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
1.0 FT FROM RIVERBED (BOTTOM)
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	23.6	21.9	22.6	28.1	26.2	27.3	29.6	28.1	28.9	26.2	24.6	25.3
2	23.6	22.1	22.7	28.5	25.7	27.2	29.3	28.3	28.7	26.8	24.7	25.9
3	23.4	22.6	22.9	28.8	26.0	27.6	29.7	28.0	28.8	27.1	25.2	26.1
4	23.6	22.4	22.9	28.9	26.8	27.9	29.4	27.9	28.7	27.8	26.2	26.8
5	24.4	22.5	23.3	28.3	26.8	27.6	28.9	28.1	28.3	27.8	26.9	27.4
6	24.8	23.5	24.1	27.9	26.5	27.3	29.2	27.6	28.3	27.7	22.6	25.5
7	25.9	24.2	25.0	28.6	26.3	27.5	29.2	27.5	28.4	24.1	22.5	23.3
8	26.5	24.6	25.5	29.9	26.7	28.3	28.8	26.6	27.7	25.6	23.8	24.5
9	27.6	26.1	26.8	29.2	28.0	28.6	27.9	26.3	27.1	25.0	24.3	24.6
10	29.1	27.3	28.0	29.3	27.3	28.3	27.2	26.2	26.6	24.8	23.5	24.2
11	29.4	27.6	28.3	29.5	27.2	28.3	26.3	25.3	25.8	24.7	23.6	24.2
12	29.6	27.5	28.2	30.3	27.8	29.0	26.5	24.7	25.6	24.5	23.9	24.2
13	29.5	27.6	28.5	30.5	28.1	29.2	26.6	25.2	25.8	25.0	24.1	24.4
14	29.2	27.7	28.4	29.4	27.7	28.6	26.5	25.4	25.9	26.6	24.9	25.5
15	29.0	27.1	27.8	29.8	27.3	28.5	26.5	25.3	25.9	27.0	25.8	26.4
16	28.2	26.2	27.4	30.3	27.5	29.0	26.9	24.9	25.8	26.6	25.2	25.7
17	26.5	25.2	25.9	30.8	27.9	29.4	26.4	25.1	25.6	25.2	23.9	24.4
18	25.5	23.9	24.7	31.7	28.7	30.3	26.5	25.5	25.9	24.4	23.2	23.8
19	25.0	23.4	24.1	31.8	29.3	30.6	28.1	26.0	26.8	23.9	23.0	23.4
20	26.1	23.4	24.6	32.1	29.9	30.7	27.6	26.3	26.7	23.2	22.2	22.7
21	26.8	24.3	25.4	32.1	30.1	31.1	26.9	26.1	26.5	22.8	21.8	22.3
22	27.8	25.2	26.4	31.6	30.0	30.7	27.0	26.1	26.6	23.0	21.9	22.4
23	28.3	25.8	26.9	31.1	29.5	30.2	27.1	26.1	26.4	23.6	22.3	22.9
24	27.8	25.3	26.4	29.5	28.1	28.8	26.7	26.1	26.4	23.3	22.1	22.6
25	28.1	25.5	26.9	29.1	27.0	28.1	27.3	26.5	26.8	---	---	---
26	28.8	26.0	27.4	29.8	27.2	28.6	27.2	26.2	26.6	---	---	---
27	29.4	27.0	28.2	29.4	27.6	28.5	26.6	25.6	26.0	---	---	---
28	29.5	27.3	28.4	29.3	27.3	28.3	25.6	24.2	24.7	21.7	---	---
29	29.9	27.4	28.7	29.8	27.3	28.6	24.2	23.5	23.7	22.8	21.3	21.8
30	29.4	27.4	28.4	29.8	28.1	29.0	24.0	22.9	23.3	22.6	21.4	21.9
31	---	---	---	29.6	28.5	29.1	25.2	23.6	24.3	---	---	---
Month	29.9	21.9	26.2	32.1	25.7	28.8	29.7	22.9	26.5	---	---	---

01646500 POTOMAC RIVER NEAR WASHINGTON, DC—Continued