

02084472 PAMLICO RIVER AT WASHINGTON, NC

Pamlico Basin
Pamlico Subbasin

LOCATION.--Lat 35°32'36", long 77°03'43" referenced to North American Datum of 1983, Beaufort County, NC, Hydrologic Unit 03020104, at bridge on U.S. Highway 17 at Washington, and 0.7 mi downstream of Kennedy Creek.

DRAINAGE AREA.--3,200 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD--

DISCHARGE.--October 1999 to June 2008 (discontinued).

GAGE HEIGHT.--March 1988 to May 1993. October 1999 to current year.

REVISED RECORDS.--WRD NC-00-1B: Drainage area.

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is 1.07 ft below North American Vertical Datum of 1988. Satellite telemetry at station.

REMARKS.--Records poor. This site is strongly affected by both astronomical and wind tides. The astronomical tides occur at primary harmonic periods of 12.42 hours and 24.8 hours. Daily discharge data for this site may be affected by aliasing due to tides and can contain fluctuations that are not representative of net downstream discharge. Negative values represent upstream direction of flow.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 83,000 ft³/s, September 21, 1999, maximum gage height, 8.14 ft, September 16, 1999; minimum discharge, -90,800 ft³/s, September 4, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,600 ft³/s, May 11, maximum gage height 4.50 ft, September 6; minimum discharge, -12,800 ft³/s, April 30.

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

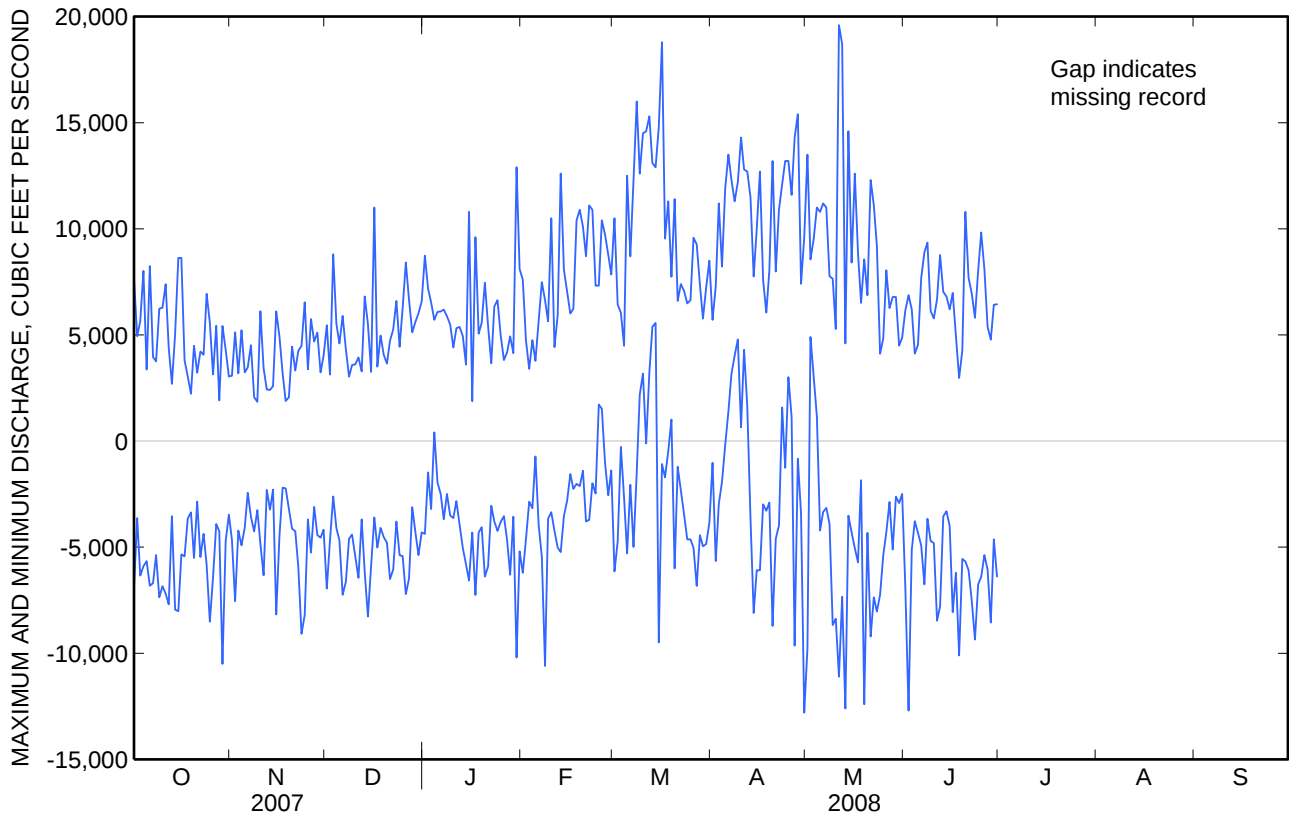
Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	7,630	-6,920	3,080	-4,650	5,450	-6,950	8,730	-4,380	7,600	-6,210	10,500	-6,140
2	4,940	-3,630	5,120	-7,540	3,130	-4,670	7,180	-1,470	4,720	-4,600	6,430	-4,740
3	5,640	-6,340	3,190	-4,220	8,800	-2,610	6,530	-3,200	3,400	-2,850	6,050	-274
4	8,020	-5,900	5,220	-4,910	5,520	-4,100	5,710	407	4,750	-3,160	4,490	-2,670
5	3,370	-5,660	3,240	-4,080	4,600	-4,680	6,090	-1,960	3,780	-725	12,500	-5,290
6	8,240	-6,820	3,470	-2,440	5,900	-7,240	6,110	-2,500	5,650	-3,950	8,700	-2,060
7	3,960	-6,690	4,520	-3,580	4,340	-6,640	6,190	-3,680	7,490	-5,450	12,300	-4,990
8	3,760	-5,370	2,070	-4,260	3,030	-4,600	5,880	-2,490	6,640	-10,600	16,000	-1,480
9	6,240	-7,360	1,850	-3,250	3,580	-4,410	5,490	-3,500	5,640	-3,660	12,600	2,190
10	6,280	-6,840	6,120	-4,840	3,610	-5,440	4,410	-3,630	10,500	-3,350	14,500	3,180
11	7,390	-7,190	3,430	-6,320	3,940	-6,440	5,320	-2,830	4,430	-4,230	14,600	-106
12	4,400	-7,690	2,430	-2,300	3,280	-3,690	5,380	-3,940	5,920	-5,020	15,300	3,220
13	2,690	-3,540	2,410	-3,230	6,810	-6,170	4,950	-5,030	12,600	-5,230	13,100	5,390
14	5,040	-7,940	2,590	-2,290	5,510	-8,270	3,600	-5,810	8,070	-3,530	12,900	5,570
15	8,630	-8,020	6,110	-8,170	3,260	-5,860	10,800	-6,570	7,040	-2,810	14,800	-9,490
16	8,630	-5,340	4,930	-4,480	11,000	-3,600	1,880	-4,310	6,010	-1,560	18,800	-1,080
17	3,810	-5,430	3,190	-2,200	3,510	-5,020	9,610	-7,250	6,230	-2,250	9,540	-1,710
18	3,040	-3,650	1,890	-2,230	4,970	-4,090	5,060	-4,310	10,400	-2,020	11,300	-484
19	2,230	-3,360	2,060	-3,190	4,060	-4,530	5,570	-4,060	10,900	-2,120	7,740	1,010
20	4,490	-5,510	4,450	-4,130	3,650	-4,790	7,460	-6,380	10,100	-1,400	11,400	-6,000
21	3,220	-2,850	3,330	-4,250	4,730	-6,500	5,420	-5,910	8,710	-3,790	6,610	-1,210
22	4,220	-5,460	4,250	-5,930	5,260	-6,060	3,670	-3,050	11,100	-3,710	7,400	-2,330
23	4,070	-4,370	4,490	-9,080	6,600	-3,790	6,340	-3,790	10,900	-1,990	7,070	-3,460
24	6,940	-5,830	6,540	-8,190	4,440	-5,380	6,640	-4,230	7,320	-2,470	6,490	-4,630
25	5,580	-8,510	3,380	-3,690	6,260	-5,420	4,970	-3,800	7,320	1,720	6,640	-4,630
26	3,140	-6,430	5,750	-5,260	8,420	-7,210	3,820	-3,540	10,400	1,520	9,580	-5,030
27	5,430	-3,910	4,690	-3,100	6,640	-6,470	4,190	-4,670	9,730	-1,030	9,270	-6,830
28	1,920	-4,260	5,110	-4,430	5,120	-3,120	4,930	-6,300	8,790	-2,550	7,370	-4,440
29	5,420	-10,500	3,240	-4,550	5,620	-4,310	4,140	-3,560	7,850	-1,380	5,770	-4,960
30	4,300	-4,700	4,020	-4,180	6,020	-5,370	12,900	-10,200	---	---	7,230	-4,850
31	3,040	-3,470	---	---	6,580	-4,300	8,110	-5,200	---	---	8,500	-3,850

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	5,710	-1,020	13,500	-9,760	6,160	-6,950	---	---	---	---	---	---
2	7,290	-5,650	8,560	4,900	6,870	-12,700	---	---	---	---	---	---
3	11,200	-2,970	9,520	3,040	6,210	-5,130	---	---	---	---	---	---
4	8,220	-1,920	11,000	1,150	4,120	-3,770	---	---	---	---	---	---
5	11,900	-182	10,800	-4,210	4,540	-4,330	---	---	---	---	---	---
6	13,500	1,390	11,200	-3,340	7,680	-4,920	---	---	---	---	---	---
7	12,300	3,160	11,000	-3,150	8,890	-6,750	---	---	---	---	---	---
8	11,300	4,020	7,770	-3,900	9,350	-3,660	---	---	---	---	---	---
9	12,200	4,790	7,650	-8,670	6,130	-4,710	---	---	---	---	---	---
10	14,300	650	5,280	-8,370	5,780	-4,810	---	---	---	---	---	---
11	12,800	4,300	19,600	-11,100	6,680	-8,460	---	---	---	---	---	---
12	12,700	1,640	18,700	-7,340	8,760	-7,790	---	---	---	---	---	---
13	11,500	-3,620	4,600	-12,600	7,030	-3,550	---	---	---	---	---	---
14	7,750	-8,100	14,600	-3,520	6,810	-3,310	---	---	---	---	---	---
15	9,970	-6,090	8,410	-4,290	6,210	-4,000	---	---	---	---	---	---
16	12,700	-6,090	12,600	-5,050	6,980	-8,060	---	---	---	---	---	---
17	7,580	-2,980	8,870	-5,710	4,950	-6,210	---	---	---	---	---	---
18	6,060	-3,280	6,510	-1,840	2,970	-10,100	---	---	---	---	---	---
19	8,040	-2,900	8,560	-12,400	4,260	-5,550	---	---	---	---	---	---
20	13,200	-8,710	6,870	-4,320	10,800	-5,670	---	---	---	---	---	---
21	7,990	-4,600	12,300	-9,210	7,690	-6,080	---	---	---	---	---	---
22	10,900	-3,980	11,100	-7,360	6,950	-7,520	---	---	---	---	---	---
23	12,100	1,590	9,200	-8,030	5,810	-9,350	---	---	---	---	---	---
24	13,200	-1,260	4,110	-7,240	8,030	-6,750	---	---	---	---	---	---
25	13,200	3,010	4,840	-5,370	9,830	-6,400	---	---	---	---	---	---
26	11,600	1,140	8,050	-4,300	8,090	-5,370	---	---	---	---	---	---
27	14,300	-9,640	6,270	-2,870	5,380	-6,060	---	---	---	---	---	---
28	15,400	-831	6,790	-5,110	4,780	-8,550	---	---	---	---	---	---
29	7,410	-3,420	6,790	-2,620	6,420	-4,630	---	---	---	---	---	---
30	9,600	-12,800	4,500	-2,920	6,450	-6,390	---	---	---	---	---	---
31	---	---	4,870	-2,490	---	---	---	---	---	---	---	---

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued



02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

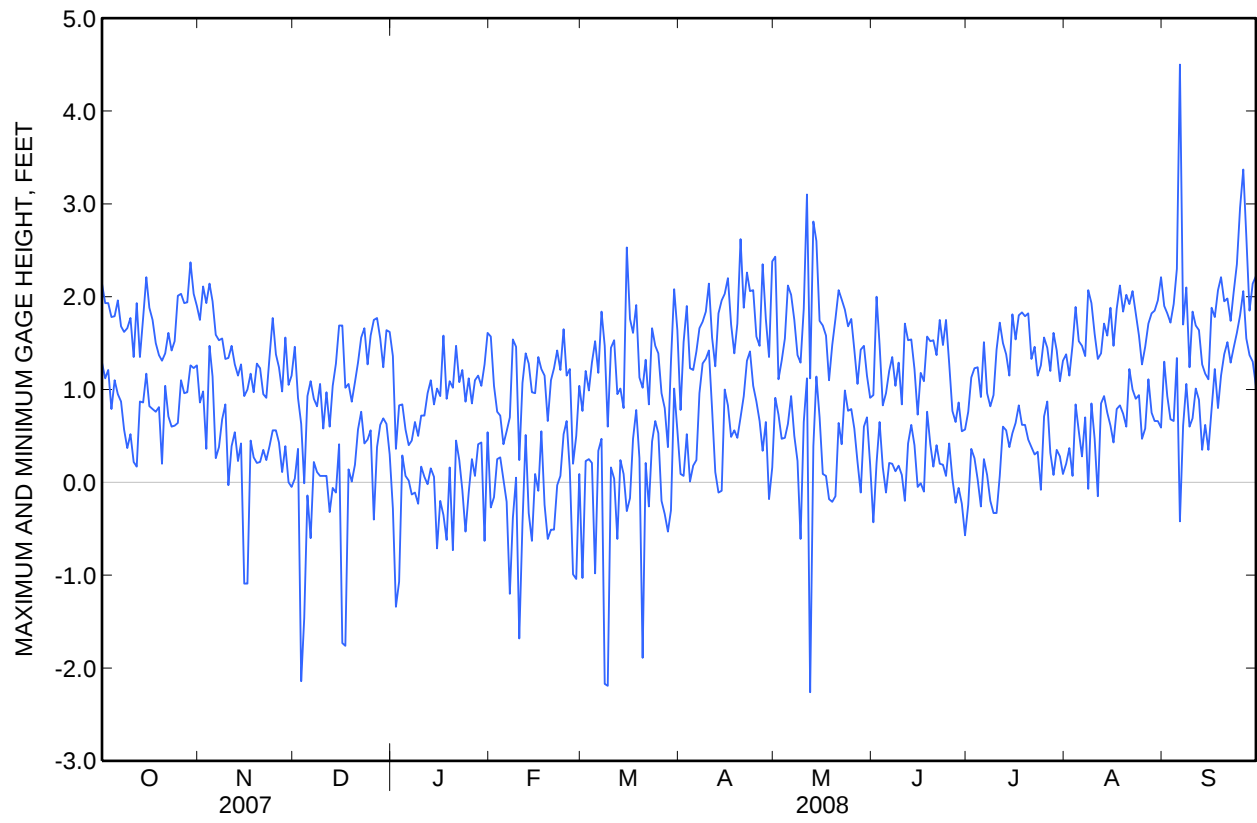
Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	2.14	1.29	1.75	0.86	1.46	0.04	1.36	-0.28	1.57	-0.27	0.77	-1.03
2	1.93	1.12	2.11	0.98	0.91	0.36	0.36	-1.34	1.04	-0.16	1.20	0.23
3	1.93	1.21	1.93	0.36	0.63	-2.14	0.83	-1.07	0.76	0.25	0.99	0.25
4	1.78	0.79	2.14	1.47	-0.01	-1.46	0.84	0.29	0.72	0.27	1.29	0.21
5	1.79	1.10	1.95	1.14	0.93	-0.14	0.57	0.07	0.41	0.03	1.52	-0.98
6	1.96	0.95	1.59	0.26	1.09	-0.60	0.40	0.02	0.55	-0.21	1.18	0.34
7	1.68	0.87	1.53	0.38	0.90	0.22	0.45	-0.13	0.70	-1.20	1.84	0.47
8	1.62	0.57	1.55	0.68	0.82	0.11	0.65	-0.11	1.54	-0.38	1.47	-2.17
9	1.66	0.37	1.33	0.84	1.06	0.07	0.50	-0.23	1.46	0.05	0.60	-2.19
10	1.77	0.52	1.34	-0.03	0.58	0.07	0.72	0.17	0.24	-1.68	1.45	0.16
11	1.35	0.22	1.47	0.39	0.97	0.07	0.72	0.06	1.07	-0.44	1.53	0.04
12	1.93	0.17	1.27	0.54	0.60	-0.32	0.96	-0.02	1.39	0.51	0.95	-0.61
13	1.35	0.87	1.15	0.23	1.04	-0.06	1.10	0.15	1.28	-0.33	1.01	0.24
14	1.77	0.86	1.27	0.42	1.28	-0.11	0.84	0.06	0.97	-0.63	0.80	0.09
15	2.21	1.17	0.93	-1.09	1.69	0.41	1.01	-0.71	0.96	0.09	2.53	-0.31
16	1.88	0.82	1.00	-1.09	1.69	-1.73	0.93	-0.20	1.35	-0.09	1.76	-0.17
17	1.75	0.79	1.17	0.45	1.02	-1.76	1.58	-0.35	1.22	0.55	1.61	0.47
18	1.50	0.76	0.97	0.27	1.06	0.14	0.90	-0.62	1.15	-0.24	1.91	0.78
19	1.37	0.81	1.28	0.21	0.87	0.01	1.09	0.16	0.66	-0.61	1.13	0.26
20	1.31	0.20	1.23	0.22	1.08	0.19	1.02	-0.73	1.10	-0.51	1.02	-1.89
21	1.39	1.04	0.95	0.35	1.29	0.57	1.47	0.45	1.23	-0.51	1.32	0.21
22	1.61	0.71	0.91	0.24	1.56	0.76	1.08	0.24	1.42	-0.03	0.84	-0.26
23	1.42	0.60	1.35	0.39	1.66	0.42	1.21	-0.08	1.21	0.07	1.66	0.44
24	1.52	0.61	1.77	0.56	1.27	0.46	0.87	-0.53	1.65	0.52	1.47	0.66
25	2.01	0.64	1.38	0.56	1.58	0.56	1.12	-0.11	1.15	0.66	1.39	0.53
26	2.03	1.10	1.24	0.43	1.75	-0.40	0.85	0.25	1.22	0.13	0.96	-0.20
27	1.93	0.96	0.98	0.11	1.77	0.38	1.10	0.07	0.20	-0.99	0.80	-0.34
28	1.94	0.97	1.56	0.39	1.55	0.62	1.15	0.41	0.50	-1.04	0.38	-0.53
29	2.37	1.26	1.05	0.00	1.24	0.69	1.04	0.43	1.04	0.09	1.30	-0.30
30	2.03	1.23	1.15	-0.05	1.64	0.63	1.27	-0.63	---	---	2.08	1.01
31	1.90	1.26	---	---	1.62	0.30	1.61	0.54	---	---	1.64	0.56

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	0.78	0.09	2.43	0.91	0.94	-0.43	0.76	-0.24	1.38	0.20	1.90	1.30
2	1.51	0.07	1.11	0.73	2.00	0.21	1.13	0.36	1.15	0.37	1.82	0.93
3	1.90	0.52	1.31	0.47	1.48	0.65	1.23	0.26	1.48	0.07	1.72	0.68
4	1.23	0.01	1.55	0.48	0.83	0.16	1.24	0.03	1.89	0.84	1.92	0.66
5	1.21	0.18	2.12	0.63	0.96	-0.11	0.92	-0.26	1.52	0.55	2.30	1.34
6	1.41	0.24	2.02	0.93	1.20	0.21	1.51	0.25	1.47	0.28	4.50	-0.42
7	1.66	0.96	1.75	0.50	1.35	0.20	0.96	0.08	1.36	0.70	1.70	0.61
8	1.73	1.28	1.37	0.23	1.04	0.12	0.82	-0.20	2.07	-0.07	2.10	1.06
9	1.84	1.33	1.29	-0.61	1.29	0.18	0.94	-0.33	1.93	0.85	1.24	0.60
10	2.14	1.42	1.87	0.65	0.84	0.08	1.43	-0.33	1.60	0.47	1.84	0.69
11	1.56	0.79	3.10	1.12	1.71	-0.20	1.72	0.07	1.33	-0.15	1.69	1.01
12	1.25	0.11	1.12	-2.26	1.53	0.42	1.50	0.60	1.39	0.85	1.64	0.89
13	1.82	-0.11	2.81	0.39	1.54	0.62	1.38	0.56	1.71	0.93	1.27	0.35
14	1.96	-0.09	2.60	1.14	1.22	0.40	1.15	0.38	1.58	0.75	1.17	0.62
15	2.03	1.00	1.74	0.70	0.73	-0.05	1.81	0.53	1.88	0.61	1.11	0.35
16	2.20	0.83	1.69	0.09	1.18	-0.01	1.54	0.64	1.47	0.43	1.88	0.79
17	1.70	0.49	1.58	0.07	1.09	-0.10	1.80	0.83	1.87	0.79	1.78	1.22
18	1.39	0.56	1.10	-0.18	1.57	0.76	1.83	0.62	2.12	0.83	2.07	0.80
19	1.71	0.48	1.48	-0.21	1.52	0.41	1.79	0.62	1.84	0.74	2.21	1.15
20	2.62	0.70	1.76	-0.15	1.53	0.17	1.82	0.46	2.02	0.60	1.95	1.38
21	1.88	0.93	2.07	0.64	1.37	0.40	1.33	0.38	1.92	1.22	1.98	1.51
22	2.26	1.31	1.97	0.41	1.75	0.20	1.46	0.30	2.06	1.00	1.74	1.29
23	2.06	1.41	1.86	0.99	1.48	0.19	1.15	0.33	1.82	0.90	2.05	1.45
24	2.07	1.04	1.68	0.77	1.75	0.07	1.26	-0.08	1.58	0.94	2.35	1.61
25	1.57	0.87	1.76	0.79	1.28	0.42	1.56	0.71	1.27	0.47	2.96	1.80
26	1.47	0.66	1.43	0.58	0.77	0.04	1.45	0.87	1.46	0.58	3.37	2.06
27	2.35	0.34	1.06	0.22	0.65	-0.22	1.20	0.32	1.71	1.11	2.65	1.55
28	1.76	0.65	1.43	-0.11	0.86	-0.06	1.61	0.08	1.82	0.75	1.85	1.37
29	1.35	-0.18	1.47	0.60	0.55	-0.23	1.42	0.35	1.85	0.66	2.14	1.30
30	2.38	0.16	1.15	0.70	0.57	-0.57	1.09	0.28	1.96	0.66	2.22	1.04
31	---	---	0.91	0.19	---	---	1.31	0.09	2.21	0.59	---	---

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued



02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1962 to 1967, 1999 to current year.

PERIOD OF DAILY RECORD.--

SALINITY (TOP AND BOTTOM): April 1999 to current year.

pH (TOP AND BOTTOM): April 1999 to current year.

WATER TEMPERATURE (TOP AND BOTTOM): April 1999 to current year.

DISSOLVED OXYGEN (TOP AND BOTTOM): April 1999 to current year.

DISSOLVED OXYGEN, PERCENT SATURATION (TOP AND BOTTOM): April 1999 to current year.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from April 1999 to current year.

REMARKS.--Top constituents were monitored at 8 ft above the streambed and bottom constituents, 2 ft above the streambed. Salinity and dissolved oxygen, percent saturation are computed. The salinity is computed from specific conductance using the conversion from U.S. Geological Survey Water-Supply Paper 2311. The dissolved oxygen percent saturation is computed using a barometric pressure of 760 mm of Hg beginning October 1, 2000. Daily records of salinity and water temperature for October 1961 to September 1967 are available from the files of the USGS Water Science Center, Raleigh, NC.

COOPERATION.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SALINITY (TOP): Maximum recorded, 16.7 ppt, January 10, 2008; minimum recorded, <0.1 ppt, on many days during the period.

SALINITY (BOTTOM): Maximum recorded, 17.5 ppt, January 10, 2008; minimum recorded, <0.1 ppt, on many days during the period.

pH (TOP): Maximum recorded, 9.1 standard units, July 19, 20, 1999; minimum recorded, 5.4 standard units, August 19, 2001, October 11, 12, 2005.

pH (BOTTOM): Maximum recorded, 8.8 standard units, July 2, 3, 4, 1999, September 8, 11, 2005; minimum recorded, 5.3 standard units, September 11, 12, 13, 1999.

WATER TEMPERATURE (TOP): Maximum recorded, 34.1°C, July 31, 1999; minimum recorded, 0.4°C, January 24, 2003.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 32.6°C, July 31, 1999; minimum recorded, 0.5°C, January 24, 2003.

DISSOLVED OXYGEN (TOP): Maximum recorded, 15.8, December 20, 2007; minimum recorded, <1.0 mg/L, on many days during the period.

DISSOLVED OXYGEN (BOTTOM): Maximum recorded, 13.6 mg/L, January 23, 2005; minimum recorded, <1.0 mg/L, on many days during the period.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 16.7 ppt, January 10; minimum recorded, .03 ppt, on several days during the year.

SALINITY (BOTTOM): Maximum recorded, 17.5 ppt, January 10; minimum recorded, .03 ppt, on several days during the year.

pH (TOP): Maximum recorded, 8.7 standard units, December 20, January 21; minimum recorded, 6.0 standard units, March 11, April 7, 8, 9, 10.

pH (BOTTOM): Maximum recorded, 8.2 standard units, November 16, December 14, 15, January 20, 21; minimum recorded, 5.7 standard units, April 27.

WATER TEMPERATURE (TOP): Maximum recorded, 32.2°C, July 30; minimum recorded, 5.2°C, January 21.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 30.4°C, July 31; minimum recorded, 5.6°C, January 21.

DISSOLVED OXYGEN (TOP): Maximum recorded, 15.8 mg/L, December 20; minimum recorded, 0.0 mg/L, August 26, 27, September 16, 17, 22.

DISSOLVED OXYGEN (BOTTOM): Maximum recorded, 12.2 mg/L, January 20; minimum recorded, 0.0 mg/L, on many days during the year.

DISSOLVED OXYGEN, PERCENT SATURATION (TOP): Maximum recorded, 177%, August 26; minimum recorded, 0%, August 26, 27, September 16, 17, 22.

DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM): Maximum recorded, 115%, August 22; minimum recorded, 0%, on many days during the year.

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, 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	5.8	4.9	5.4	9.1	5.2	7.4	13.5	9.6	12.0	6.5	1.1	2.5
2	5.7	4.4	5.1	9.7	5.9	7.8	13.0	10.6	11.8	2.5	0.80	1.3
3	5.7	4.5	5.0	9.6	5.2	7.2	12.4	7.1	9.0	2.7	0.49	1.0
4	5.5	3.9	4.9	10.5	7.0	9.3	11.7	8.1	10.2	0.93	0.30	0.55
5	5.5	4.4	4.9	10.2	6.0	8.8	12.1	10.2	11.4	10.2	0.37	1.6
6	5.4	4.0	4.7	9.9	4.8	6.6	12.4	9.3	11.2	11.3	0.72	4.3
7	5.3	4.0	4.7	10.7	6.7	8.1	13.0	10.7	11.5	15.3	1.5	9.6
8	5.8	3.6	4.8	11.4	7.3	9.6	12.9	9.2	11.6	15.9	2.0	9.9
9	5.6	3.8	4.8	12.1	9.4	11.2	12.8	9.7	11.3	10.0	2.0	3.8
10	6.0	4.0	5.0	12.2	6.3	9.1	11.6	9.1	10.4	16.7	2.1	10.3
11	5.9	3.9	5.1	11.6	7.6	9.8	12.9	9.8	11.1	3.7	1.6	2.2
12	6.5	4.0	5.3	12.0	7.8	10.7	11.5	8.3	10.0	12.0	1.6	5.8
13	8.6	5.1	5.9	12.2	6.5	10.5	11.6	9.5	10.6	14.7	2.4	9.6
14	11.5	5.7	9.0	12.3	8.5	10.7	11.9	9.7	10.8	15.7	3.7	9.9
15	11.1	7.4	9.7	10.2	6.7	8.4	12.6	10.6	11.6	15.0	6.0	9.1
16	9.3	7.7	8.6	10.2	6.9	8.6	12.6	5.9	8.4	12.6	7.2	11.4
17	9.1	7.5	8.4	10.4	9.0	9.6	9.7	5.6	7.8	12.9	5.0	9.7
18	8.8	7.1	8.0	12.5	8.6	10	11.2	8.1	9.3	10.2	4.1	6.9
19	8.5	6.4	7.5	13.6	8.6	11.2	13.4	5.5	9.1	12.8	5.4	9.1
20	7.8	5.5	6.7	13.8	9.7	11.4	14.8	6.8	12.7	12.4	5.2	7.8
21	8.1	7.1	7.6	14.1	9.8	11.9	14.3	6.6	11.0	11.9	6.8	9.9
22	8.2	6.6	7.4	12.6	9.0	10.4	14.7	7.0	12.4	10.2	2.5	6.5
23	8.1	6.5	7.3	13.5	9.7	11.3	14.1	5.2	9.8	13.0	2.5	8.3
24	7.8	6.4	7.2	14.4	10.7	12.4	12.7	4.9	8.8	9.2	2.4	4.7
25	8.1	6.1	7.1	14.1	10.6	12.4	12.8	7.3	10.8	11.3	4.0	6.9
26	8.0	5.7	6.9	13.3	9.5	11.9	13.0	5.3	8.4	11.4	3.2	8.3
27	7.6	4.2	5.7	11.8	9.1	10.5	10.2	6.2	8.4	12.6	2.2	8.0
28	11.3	3.8	8.6	13.3	10.2	12.0	9.0	1.7	6.7	13.1	4.3	10.0
29	11.5	5.1	9.6	12.4	9.0	10.8	7.0	1.2	2.8	13.3	3.4	10.5
30	10.1	7.0	8.6	13.3	9.9	11.6	9.3	1.2	3.9	7.2	3.3	4.9
31	9.1	6.5	8.1	---	---	---	11.3	0.94	5.0	12.4	6.3	8.7
Month	11.5	3.6	6.7	14.4	4.8	10.0	14.8	0.94	9.7	16.7	0.30	6.9

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, 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	10.9	3.3	7.0	0.94	0.06	0.26	0.06	0.05	0.06	0.80	0.04	0.13
2	9.6	3.0	7.2	0.75	0.07	0.27	0.18	0.06	0.08	0.04	0.03	0.04
3	11.3	2.2	5.8	0.11	0.06	0.07	0.09	0.05	0.07	0.04	0.03	0.03
4	12.3	1.5	7.6	0.18	0.06	0.09	0.06	0.05	0.06	0.04	0.03	0.04
5	2.6	1.4	1.9	0.19	0.06	0.08	0.05	0.04	0.05	0.06	0.03	0.04
6	8.0	0.99	2.0	0.07	0.06	0.06	0.05	0.04	0.04	0.70	0.04	0.14
7	3.5	0.89	1.9	0.13	0.05	0.06	0.04	0.03	0.04	0.25	0.04	0.08
8	10.7	1.2	4.7	0.06	0.05	0.05	0.04	0.03	0.03	0.28	0.04	0.07
9	9.2	1.1	3.7	0.05	0.04	0.05	0.03	0.03	0.03	0.12	0.04	0.05
10	4.4	0.93	2.0	0.05	0.04	0.04	0.04	0.03	0.03	0.69	0.05	0.18
11	6.3	2.7	4.3	0.04	0.04	0.04	0.04	0.03	0.03	2.0	0.39	0.91
12	6.3	1.4	3.7	0.04	0.03	0.04	0.04	0.04	0.04	0.60	0.05	0.09
13	2.9	0.43	1.4	0.04	0.03	0.03	0.04	0.04	0.04	1.6	0.12	0.52
14	1.9	0.24	0.71	0.04	0.03	0.04	2.8	0.04	0.59	1.4	0.07	0.35
15	5.0	0.20	0.96	0.05	0.04	0.04	6.1	0.06	1.1	0.89	0.05	0.18
16	6.2	0.27	1.8	0.05	0.04	0.05	6.4	0.10	2.4	0.49	0.05	0.18
17	4.2	0.15	0.49	0.53	0.04	0.08	4.1	0.07	0.96	0.57	0.05	0.23
18	0.32	0.07	0.13	0.08	0.04	0.06	2.4	0.18	0.75	0.76	0.06	0.16
19	0.10	0.05	0.07	0.05	0.04	0.05	4.2	0.18	0.99	2.8	0.13	0.92
20	0.08	0.06	0.06	0.06	0.04	0.05	2.3	0.27	1.2	3.2	0.15	1.2
21	0.08	0.06	0.07	0.05	0.04	0.05	0.83	0.07	0.14	3.9	0.34	1.4
22	0.11	0.06	0.06	0.05	0.04	0.04	1.5	0.04	0.26	3.2	0.12	0.98
23	0.31	0.06	0.08	0.05	0.04	0.05	0.08	0.04	0.05	3.9	0.86	2.2
24	3.3	0.07	0.33	0.18	0.04	0.07	0.04	0.03	0.04	5.4	0.42	2.5
25	0.30	0.07	0.12	1.2	0.05	0.23	0.04	0.03	0.04	6.1	0.78	2.9
26	0.24	0.06	0.11	0.43	0.06	0.15	0.04	0.03	0.03	4.1	0.97	1.9
27	0.14	0.06	0.08	0.24	0.05	0.09	0.21	0.03	0.05	2.0	0.61	1.1
28	0.76	0.06	0.28	0.06	0.05	0.05	0.04	0.04	0.04	2.0	0.18	0.93
29	0.39	0.10	0.23	0.07	0.05	0.06	0.11	0.04	0.05	2.5	0.69	1.4
30	---	---	---	0.74	0.06	0.16	0.61	0.04	0.07	1.7	0.26	0.69
31	---	---	---	0.28	0.05	0.10	---	---	---	0.80	0.11	0.26
Month	12.3	0.05	2.0	1.2	0.03	0.08	6.4	0.03	0.31	6.1	0.03	0.70

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, 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	1.2	0.11	0.57	5.7	3.6	4.3	5.1	2.4	3.7	8.5	7.0	7.8
2	5.6	0.68	2.3	6.5	4.6	5.3	7.7	2.4	4.7	10.4	5.6	7.7
3	3.4	0.83	2.3	6.5	5.1	5.6	9.0	2.6	5.6	10.8	5.9	8.6
4	1.9	0.42	0.85	6.4	4.1	5.2	10.9	5.6	8.3	10.2	6.7	8.7
5	2.3	0.43	1.1	5.9	4.3	5.3	10.2	5.4	7.4	9.7	8.0	9.2
6	3.1	0.52	1.7	6.1	4.6	5.2	11.9	4.4	8.6	12.6	7.8	10.3
7	3.7	1.0	1.9	4.7	1.2	3.3	14.7	8.3	12.2	9.0	6.0	7.8
8	4.1	1.1	2.3	1.3	0.18	0.49	13.5	6.4	9.9	9.3	6.0	7.9
9	5.5	0.91	2.9	0.43	0.09	0.30	11.7	10.0	10.9	6.0	1.7	4.0
10	6.2	1.8	3.8	1.9	0.08	0.49	10.7	7.8	9.4	6.7	1.1	2.6
11	5.0	1.4	3.5	2.9	0.15	1.1	10.2	7.2	8.8	8.0	0.40	1.3
12	5.1	3.6	4.5	4.5	0.81	2.1	11.8	8.3	10.2	8.4	0.26	1.7
13	5.1	3.3	4.3	4.4	0.39	2.0	11.1	7.6	9.5	7.4	0.39	1.7
14	4.7	2.8	3.8	3.9	0.48	1.6	10.6	6.7	8.7	9.2	0.91	4.9
15	4.6	2.2	3.2	7.8	0.87	5.6	10.6	7.4	9.3	9.1	1.1	4.4
16	5.4	2.0	3.5	7.6	2.9	5.7	9.7	7.5	8.6	11.4	4.3	8.1
17	5.4	2.8	3.7	8.1	2.7	6.2	9.8	8.0	8.8	13.0	5.9	9.4
18	8.7	4.3	5.4	6.4	3.7	5.1	9.9	8.0	8.8	13.2	4.4	10.7
19	7.3	3.8	5.6	5.6	3.3	4.4	9.7	7.9	8.8	12.5	8.1	10.9
20	7.5	3.9	5.6	5.6	2.5	4.5	10.0	7.6	8.8	12.5	6.4	11.0
21	6.2	4.7	5.6	5.1	2.1	3.4	10.0	8.6	9.3	12.7	9.0	11.9
22	6.3	4.4	5.4	5.0	2.5	3.7	10.2	8.1	9.2	12.2	7.0	11.3
23	5.7	4.3	5.1	4.2	2.6	3.4	9.7	8.0	8.8	12.1	10.7	11.5
24	6.1	3.9	5.1	3.6	1.3	2.3	9.0	7.8	8.5	12.5	7.5	10.6
25	5.9	4.4	5.2	4.1	2.2	3.0	9.0	6.4	7.8	11.8	8.9	10.7
26	5.3	3.7	4.4	4.4	2.0	3.0	10.5	6.5	8.6	11.6	9.5	10.6
27	4.6	3.1	3.8	3.3	1.5	2.2	10.6	7.5	8.8	10.4	7.4	8.9
28	5.6	3.2	4.0	4.2	1.1	2.5	9.2	6.1	7.9	9.2	5.7	7.8
29	4.7	3.6	4.1	4.0	1.7	2.9	8.3	5.7	6.8	10.9	5.6	8.9
30	4.9	3.2	4.0	3.4	1.8	2.4	8.2	5.4	7.0	10.7	4.2	7.3
31	---	---	---	4.4	1.9	2.8	9.3	5.7	7.5	---	---	---
Month	8.7	0.11	3.7	8.1	0.08	3.4	14.7	2.4	8.4	13.2	0.26	7.9

	Max	Min	Mean
Year	16.7	0.03	5.0

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, 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	6.5	5.2	5.9	10.8	8.8	9.9	14.1	12.8	13.7	12.4	10.2	11.9
2	5.9	4.9	5.5	10	8.0	9.3	14.0	12.4	13.6	13.1	10	12.3
3	6.5	5.1	5.9	10.9	7.5	9.6	14.0	8.0	11.6	12.6	6.0	10.5
4	5.9	4.6	5.4	10.8	9.7	10.5	12.6	9.8	11.9	10.7	9.6	10.4
5	5.9	5.3	5.7	10.9	9.8	10.4	13.0	11.7	12.5	12.2	10.7	11.0
6	5.9	4.5	5.4	11.4	9.3	10.8	13.1	11.3	12.5	15.3	12.2	13.8
7	5.7	4.5	5.3	12.0	7.5	10.4	14.5	12.8	13.9	16.5	15.3	16.0
8	6.4	4.7	5.9	11.8	10.7	11.5	14.8	13.8	14.5	17.3	16.4	16.9
9	6.7	4.3	6.1	12.8	11.6	12.1	14.7	12.3	14.0	17.2	16.3	16.9
10	7.5	5.3	6.8	12.8	10.2	11.7	14.6	13.0	14.0	17.5	16.8	17.2
11	6.5	4.8	5.8	12.2	10.1	11.2	14.9	13.5	14.5	17.4	16.9	17.2
12	6.8	4.7	6.0	12.8	12.0	12.4	14.5	12.8	14.1	17.3	16.5	17.0
13	11.3	5.7	8.8	13.7	12.4	13.1	14.1	11.0	12.9	16.9	16.1	16.6
14	13.2	11.1	12.5	14.6	12.7	13.8	12.7	10.5	11.9	16.9	16.0	16.5
15	14.1	10.9	13.5	14.8	8.6	12.1	13.8	11.5	13.1	17.2	13.3	16.3
16	11.0	8.8	10.1	11.1	7.5	9.6	13.5	6.1	9.7	16.5	14.9	15.4
17	11.0	8.5	9.9	14.3	10	12.4	11.2	6.0	10	15.5	11.7	14.5
18	10.5	8.5	9.5	14.3	12.7	13.9	14.9	9.9	13.1	15.5	12.8	14.4
19	9.9	8.5	9.3	14.6	13.6	14.2	15.4	14.7	15.2	14.3	12.8	14.0
20	9.4	7.5	8.6	14.7	12.2	13.8	15.3	15.1	15.2	14.3	9.5	12.5
21	10	8.1	9.5	15.1	14.1	14.7	15.3	14.4	14.9	12.6	11.4	12.1
22	10.2	7.8	9.4	15.1	14.2	14.7	15.1	14.3	14.8	13.0	12.2	12.7
23	8.7	7.7	8.4	14.6	12.6	13.7	14.8	12.5	14.3	13.2	12.8	13.0
24	8.8	7.3	8.2	14.7	12.3	13.7	14.1	12.2	13.6	13.0	12.6	12.8
25	8.4	6.8	7.6	15.0	13.2	14.6	13.9	12.5	13.4	13.9	9.4	12.7
26	8.6	6.8	8.2	15.0	12.4	14.6	14.2	9.0	13.3	13.7	13.3	13.5
27	9.2	5.4	7.9	14.3	12.2	13.6	12.8	8.3	10.7	13.7	13.3	13.5
28	11.8	8.0	10.8	13.8	12.2	13.6	13.0	9.7	12.1	14.3	12.7	13.7
29	12.0	10.6	11.4	14.5	12.2	13.8	13.0	12.4	12.7	15.3	13.6	14.9
30	11.2	9.4	10.6	14.0	11.7	13.4	12.8	11.9	12.3	15.3	6.4	12.6
31	11.1	9.2	10.6	---	---	---	12.3	10	11.8	15.1	8.0	13.4
Month	14.1	4.3	8.2	15.1	7.5	12.4	15.4	6.0	13.1	17.5	6.0	14.1

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, 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	14.9	8.2	13.4	8.1	0.14	3.2	1.1	0.06	0.09	4.3	0.04	0.51
2	13.7	12.7	13.0	8.1	0.80	5.3	0.37	0.06	0.11	0.04	0.03	0.04
3	13.1	12.9	13.0	7.9	0.57	5.2	0.10	0.05	0.07	0.04	0.03	0.03
4	13.7	13.0	13.4	7.6	0.17	1.9	0.07	0.05	0.06	0.04	0.03	0.03
5	13.7	13.5	13.6	0.43	0.06	0.10	0.05	0.05	0.05	4.7	0.03	0.45
6	13.7	13.1	13.6	0.07	0.06	0.06	0.05	0.04	0.04	7.2	0.04	3.3
7	13.4	2.9	12.0	3.9	0.05	0.37	0.04	0.04	0.04	5.6	0.04	2.0
8	13.7	12.2	13.2	0.06	0.05	0.05	0.04	0.04	0.04	0.85	0.04	0.18
9	12.8	10.3	11.6	0.06	0.04	0.05	0.04	0.03	0.04	0.13	0.04	0.05
10	11.8	2.5	8.6	0.04	0.04	0.04	0.04	0.03	0.03	4.6	0.06	1.0
11	9.5	5.1	7.2	0.04	0.04	0.04	0.04	0.03	0.04	6.5	0.58	4.4
12	10.7	8.4	10.1	0.04	0.04	0.04	0.04	0.04	0.04	0.58	0.05	0.09
13	10.2	1.2	6.5	0.04	0.04	0.04	0.05	0.04	0.04	2.0	0.14	0.72
14	7.1	0.47	4.3	0.04	0.04	0.04	9.0	0.04	6.1	2.2	0.06	0.63
15	8.7	4.7	7.6	0.05	0.04	0.04	9.2	1.5	7.3	3.3	0.05	1.8
16	10	4.2	8.9	0.05	0.04	0.05	9.5	2.0	7.1	3.5	0.05	1.6
17	10.6	9.3	10.1	5.6	0.05	2.4	8.9	2.3	7.7	5.4	0.05	2.5
18	10.2	0.07	3.2	6.0	0.05	3.6	8.9	7.5	8.5	5.6	3.3	5.2
19	0.67	0.05	0.08	0.05	0.05	0.05	8.9	4.5	8.3	8.1	0.80	4.3
20	0.88	0.06	0.09	0.06	0.05	0.05	8.4	0.64	4.1	9.0	0.98	7.3
21	0.09	0.06	0.07	0.06	0.04	0.05	3.9	0.12	0.97	7.3	1.3	3.4
22	0.99	0.06	0.09	0.05	0.04	0.05	4.8	0.06	2.6	7.0	0.71	4.9
23	6.4	0.06	2.8	0.05	0.05	0.05	5.3	0.04	2.3	7.3	2.8	5.9
24	7.8	1.5	6.9	3.2	0.05	0.56	1.5	0.03	0.07	6.7	5.7	6.2
25	7.8	6.7	7.4	4.3	0.07	3.3	0.04	0.03	0.03	7.0	5.1	6.4
26	7.5	0.55	6.0	4.0	0.39	2.6	0.04	0.03	0.04	6.8	3.9	5.9
27	7.6	0.06	1.6	0.64	0.05	0.19	0.84	0.04	0.09	5.9	1.8	4.3
28	10.9	0.24	8.3	0.06	0.05	0.06	0.04	0.04	0.04	4.9	1.0	3.8
29	11.1	2.2	10.4	0.07	0.05	0.06	1.9	0.04	0.18	6.2	1.9	4.6
30	---	---	---	4.6	0.06	2.1	4.3	0.04	0.48	6.4	4.8	5.9
31	---	---	---	2.0	0.06	0.58	---	---	---	6.2	4.2	5.7
Month	14.9	0.05	7.8	8.1	0.04	1.0	9.5	0.03	1.9	9.0	0.03	3.0

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, 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	5.9	2.2	4.5	8.0	5.4	7.0	7.7	4.1	5.9	10.8	7.7	9.5
2	6.0	3.5	5.0	8.9	6.5	7.9	9.6	7.7	9.0	11.4	8.3	10.8
3	5.5	3.3	4.5	9.0	7.0	8.5	11.8	9.1	10.5	11.9	10	11.5
4	4.8	2.9	4.3	8.6	6.0	7.6	12.9	9.5	12.0	11.8	9.9	11.4
5	4.4	2.5	3.6	6.6	5.0	6.0	12.4	9.8	11.6	11.2	9.7	10.3
6	4.8	3.0	4.2	6.5	5.1	5.6	14.2	12.2	13.3	12.7	7.8	10.4
7	5.4	2.2	4.4	7.6	3.4	5.5	15.1	13.9	14.7	9.4	7.5	8.6
8	6.8	2.1	5.5	7.3	1.6	6.1	15.1	10.9	13.0	10.7	6.8	9.9
9	7.5	5.5	6.9	5.6	0.68	3.2	12.5	10.7	11.5	10.3	6.5	9.0
10	8.1	5.6	7.5	6.5	0.08	2.7	12.3	10.3	11.4	10.1	7.1	9.6
11	8.4	6.3	7.9	7.3	0.80	5.2	10.9	8.1	10.2	11.5	4.8	10.7
12	7.2	4.6	6.2	7.6	2.0	6.2	12.5	10.8	11.5	11.9	11.3	11.7
13	7.2	4.5	6.4	8.4	7.3	8.0	12.6	11.1	11.8	11.8	11.4	11.7
14	6.8	5.1	6.1	8.2	7.3	7.9	11.5	10.5	11.2	11.8	11.4	11.6
15	7.2	3.6	6.1	8.5	7.3	7.9	11.5	8.9	11.0	11.9	11.7	11.8
16	7.4	5.4	6.9	8.5	7.4	8.0	10.7	8.6	9.9	12.3	9.0	11.2
17	7.6	5.2	6.8	9.0	6.2	8.4	11.7	9.0	10.8	13.7	10.8	13.1
18	9.2	6.8	8.1	8.1	4.8	7.4	10.4	8.8	9.9	13.9	12.0	13.4
19	8.8	7.7	8.5	5.9	4.2	5.4	10.4	8.6	9.6	12.7	11.5	12.4
20	8.5	5.3	8.0	6.0	3.4	5.2	10.4	8.3	9.6	12.6	12.2	12.4
21	6.7	5.4	6.3	6.6	3.3	5.6	10.7	9.0	9.9	12.7	12.3	12.6
22	6.5	5.1	5.9	6.4	3.4	5.4	10.3	8.9	9.7	12.4	12.0	12.2
23	6.2	4.7	5.6	4.5	3.3	4.2	10.1	8.7	9.5	12.2	11.5	11.8
24	6.9	4.8	5.9	4.4	2.4	3.6	10.8	8.9	10.2	13.0	10.9	11.9
25	7.6	5.1	6.2	5.3	3.4	4.8	10.5	8.4	9.9	12.3	10.5	11.4
26	7.4	4.8	6.2	6.7	4.7	6.1	11.2	9.9	10.6	11.6	9.7	10.7
27	7.6	4.7	6.7	6.2	3.6	5.5	11.5	9.7	11.1	10.5	8.2	9.4
28	7.7	6.2	7.2	6.0	4.6	5.4	10.9	7.6	9.1	10.6	8.8	10.2
29	6.8	4.8	5.8	6.2	3.6	5.2	10.5	7.4	9.3	12.2	10.6	11.1
30	6.8	4.1	5.3	6.5	4.3	5.8	9.8	7.2	8.9	12.4	5.7	10.3
31	---	---	---	7.3	3.7	6.1	9.7	6.8	8.5	---	---	---
Month	9.2	2.1	6.1	9.0	0.08	6.0	15.1	4.1	10.5	13.9	4.8	11.1

	Max	Min	Mean
Year	17.5	0.03	7.9

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
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	7.6	7.1	7.3	8.1	7.3	7.6	8.1	7.8	8.0	7.1	6.7	6.8
2	7.6	7.0	7.2	8.0	7.3	7.6	8.2	7.8	7.9	7.0	6.7	6.8
3	7.6	7.0	7.2	8.2	7.1	7.6	8.1	7.4	7.6	7.1	6.8	6.9
4	7.5	7.0	7.1	8.3	7.6	7.8	7.9	7.5	7.8	6.9	6.8	6.8
5	7.5	6.9	7.1	7.8	7.4	7.6	8.0	7.7	7.9	7.8	6.8	6.9
6	7.4	6.9	7.1	7.8	7.2	7.5	8.0	7.6	7.9	7.8	6.9	7.0
7	8.0	6.9	7.1	7.9	7.2	7.4	8.1	7.7	7.9	7.8	6.9	7.6
8	7.7	6.8	7.0	7.8	7.2	7.6	8.1	7.7	7.9	7.7	6.9	7.4
9	7.7	6.8	7.1	7.7	7.3	7.6	8.1	7.6	7.9	7.2	6.9	7.0
10	7.4	6.8	7.0	7.7	7.2	7.5	8.0	7.4	7.7	7.5	6.9	7.3
11	7.5	6.9	7.0	7.9	7.3	7.6	8.2	7.6	7.8	7.0	6.8	6.9
12	7.9	7.0	7.2	7.8	7.5	7.7	8.2	7.8	7.9	8.1	6.8	6.9
13	8.1	7.1	7.3	7.9	7.4	7.6	8.4	7.8	8.0	8.2	6.9	7.8
14	7.4	6.9	7.1	8.1	7.5	7.6	8.4	7.7	8.0	7.7	7.0	7.3
15	7.6	6.7	7.0	7.8	7.0	7.4	8.2	7.9	8.1	7.6	7.0	7.2
16	7.8	6.9	7.1	7.9	6.9	7.3	8.0	7.2	7.4	7.8	7.2	7.5
17	7.7	7.2	7.3	8.3	7.6	7.7	8.2	7.2	7.7	7.6	6.8	7.2
18	7.6	7.2	7.3	8.3	7.7	8.0	8.2	7.4	7.8	7.7	6.7	7.1
19	7.8	7.2	7.4	8.3	7.5	7.8	8.0	7.3	7.7	7.4	6.8	7.1
20	7.6	7.1	7.4	8.2	7.4	7.8	8.7	7.5	8.0	8.0	6.8	7.0
21	8.1	7.3	7.5	8.3	7.4	7.8	8.2	7.5	7.9	8.7	7.2	7.7
22	7.9	7.3	7.6	8.2	7.6	7.9	8.4	7.6	7.9	8.0	6.8	7.1
23	8.0	7.2	7.5	8.1	7.4	7.8	8.6	7.2	7.8	7.9	6.7	7.3
24	7.9	7.3	7.5	7.9	7.6	7.8	8.3	7.2	7.7	7.2	6.8	6.9
25	7.7	7.2	7.3	7.8	7.5	7.7	8.4	7.3	8.0	8.2	6.9	7.2
26	7.4	7.2	7.3	8.0	7.3	7.6	8.5	7.2	7.5	7.7	6.8	7.2
27	7.4	7.0	7.2	8.2	7.4	7.8	8.3	7.2	7.5	7.7	6.8	7.1
28	7.6	6.9	7.2	8.1	7.7	8.0	7.6	7.1	7.3	8.0	6.9	7.3
29	7.8	7.1	7.3	8.2	7.9	8.1	7.4	7.0	7.0	7.6	7.0	7.2
30	8.1	7.2	7.3	8.2	7.8	7.9	7.5	6.9	7.0	7.3	7.0	7.0
31	8.1	7.2	7.4	---	---	---	7.4	6.8	7.0	7.7	7.0	7.2
Max	8.1	7.3	7.6	8.3	7.9	8.1	8.7	7.9	8.1	8.7	7.2	7.8
Min	7.4	6.7	7.0	7.7	6.9	7.3	7.4	6.8	7.0	6.9	6.7	6.8

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
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	7.4	6.9	7.1	6.8	6.5	6.6	6.5	6.3	6.4	6.4	6.3	6.4
2	7.1	6.8	7.0	6.7	6.5	6.6	6.6	6.4	6.5	6.5	6.3	6.4
3	7.0	6.8	6.9	6.6	6.4	6.5	6.6	6.4	6.5	6.5	6.4	6.4
4	7.0	6.7	6.9	6.6	6.4	6.5	6.5	6.4	6.4	6.4	6.4	6.4
5	6.8	6.7	6.8	6.7	6.5	6.6	6.5	6.4	6.5	6.4	6.3	6.4
6	6.9	6.7	6.8	6.5	6.4	6.5	6.5	6.1	6.3	6.4	6.3	6.3
7	6.9	6.7	6.8	6.4	6.3	6.3	6.2	6.0	6.1	6.4	6.3	6.3
8	7.0	6.7	6.8	6.5	6.3	6.4	6.2	6.0	6.1	6.4	6.4	6.4
9	7.0	6.7	6.8	6.5	6.2	6.3	6.2	6.0	6.1	6.6	6.4	6.5
10	6.9	6.6	6.8	6.3	6.1	6.2	6.3	6.0	6.2	6.7	6.5	6.6
11	7.1	6.8	7.0	6.2	6.0	6.1	6.3	6.2	6.3	6.8	6.6	6.6
12	7.1	6.8	6.9	6.2	6.1	6.1	6.3	6.2	6.3	6.9	6.5	6.6
13	7.1	6.8	6.9	6.3	6.2	6.3	6.3	6.2	6.3	7.1	6.9	6.9
14	7.2	7.0	7.0	6.3	6.2	6.2	6.5	6.2	6.3	7.1	6.6	6.7
15	7.2	6.8	6.9	6.3	6.2	6.2	6.7	6.3	6.4	6.6	6.5	6.6
16	7.2	6.8	6.9	6.3	6.2	6.3	7.7	6.4	6.5	6.7	6.6	6.6
17	6.9	6.6	6.7	6.4	6.3	6.3	6.7	6.4	6.5	6.7	6.6	6.7
18	6.8	6.6	6.7	6.4	6.3	6.3	6.5	6.4	6.5	6.7	6.5	6.7
19	6.7	6.5	6.6	6.4	6.3	6.3	6.6	6.3	6.5	6.7	6.4	6.6
20	6.6	6.4	6.5	6.5	6.3	6.4	6.8	6.5	6.6	7.0	6.5	6.9
21	6.6	6.3	6.5	6.5	6.4	6.4	6.6	6.4	6.5	7.1	6.8	7.0
22	6.6	6.3	6.5	6.4	6.3	6.4	6.6	6.4	6.5	7.1	6.8	6.9
23	6.6	6.3	6.5	6.5	6.3	6.4	6.5	6.3	6.4	7.7	6.8	6.9
24	6.6	6.2	6.4	6.4	6.3	6.4	6.4	6.2	6.3	7.3	6.7	6.9
25	6.5	6.1	6.4	6.7	6.3	6.4	6.2	6.1	6.2	7.0	6.6	6.9
26	6.6	6.2	6.4	6.6	6.4	6.5	6.3	6.1	6.2	7.7	6.7	7.0
27	6.6	6.2	6.5	6.6	6.4	6.5	6.4	6.2	6.3	7.4	6.9	7.0
28	6.7	6.4	6.6	6.6	6.5	6.6	6.3	6.2	6.3	7.1	6.9	7.0
29	6.7	6.4	6.6	6.7	6.5	6.6	6.4	6.1	6.3	7.3	6.8	7.0
30	---	---	---	6.8	6.6	6.7	6.4	6.3	6.3	7.3	6.9	7.1
31	---	---	---	6.8	6.4	6.5	---	---	---	7.3	7.0	7.1
Max	7.4	7.0	7.1	6.8	6.6	6.7	7.7	6.5	6.6	7.7	7.0	7.1
Min	6.5	6.1	6.4	6.2	6.0	6.1	6.2	6.0	6.1	6.4	6.3	6.3

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
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	7.5	7.0	7.1	8.1	6.9	7.1	7.8	6.7	7.0	7.7	7.0	7.2
2	7.7	6.8	7.1	8.0	7.0	7.3	7.6	6.8	7.0	7.8	6.9	7.2
3	8.6	7.0	7.1	8.0	6.9	7.3	7.7	6.8	7.0	7.5	6.8	7.0
4	7.5	6.9	7.2	7.9	6.9	7.3	7.3	6.8	6.9	7.9	6.8	7.0
5	7.2	6.7	6.9	7.8	6.8	7.1	7.3	6.9	7.0	7.6	7.0	7.2
6	7.2	6.7	7.0	7.7	6.9	7.1	7.4	6.9	7.1	7.5	6.4	7.1
7	7.3	6.7	6.9	7.6	6.7	7.0	7.1	6.9	7.0	6.6	6.2	6.4
8	8.0	6.7	6.9	6.9	6.6	6.8	7.3	6.8	7.0	7.3	6.3	6.4
9	7.3	6.7	6.9	6.7	6.4	6.7	7.4	6.7	6.9	6.5	6.3	6.4
10	7.5	6.4	6.8	6.9	6.3	6.4	7.6	6.8	7.1	6.8	6.4	6.5
11	7.4	6.5	6.8	6.9	6.3	6.5	7.7	6.6	7.0	6.8	6.6	6.7
12	7.4	6.5	6.7	6.9	6.4	6.6	7.2	6.8	7.0	6.8	6.6	6.7
13	8.0	6.7	6.9	7.3	6.4	6.6	7.5	6.8	7.1	6.8	6.5	6.6
14	7.8	6.7	7.0	7.1	6.5	6.7	8.2	6.8	7.0	6.9	6.5	6.8
15	8.0	6.6	6.8	7.4	6.6	6.8	8.4	6.8	7.0	6.9	6.6	6.6
16	8.2	6.5	6.8	8.0	6.7	6.9	8.4	7.1	7.4	7.0	6.7	6.9
17	7.8	6.7	7.0	8.0	6.7	7.0	8.4	7.1	7.8	7.2	6.8	7.0
18	7.8	6.7	7.0	8.1	6.9	7.2	8.4	7.3	7.8	7.5	6.7	7.0
19	7.5	6.7	7.0	7.6	7.0	7.1	8.5	7.4	7.7	7.6	7.0	7.2
20	7.5	6.7	7.1	7.5	6.9	7.1	8.3	7.1	7.7	7.4	7.0	7.2
21	7.2	6.9	7.0	7.8	7.0	7.1	8.1	7.2	7.7	7.2	7.0	7.1
22	7.9	6.8	7.0	7.7	6.9	7.0	8.0	7.3	7.7	7.3	6.9	7.0
23	7.8	6.9	7.1	7.2	6.9	7.0	8.1	7.2	7.6	7.3	7.0	7.1
24	7.9	7.0	7.1	7.2	6.7	6.9	8.4	7.0	7.4	---	---	---
25	7.9	7.0	7.3	7.3	6.9	7.0	7.9	6.9	7.1	---	---	---
26	8.1	6.9	7.2	7.8	6.9	7.1	8.4	6.8	7.0	7.8	7.2	7.5
27	8.1	6.9	7.5	7.9	6.9	7.3	7.9	6.9	7.1	7.4	6.6	6.9
28	8.0	6.8	7.5	7.6	7.0	7.2	7.9	6.9	7.3	7.0	6.5	6.7
29	7.8	6.9	7.3	7.9	7.1	7.3	8.3	6.8	7.1	7.4	6.5	6.9
30	8.0	6.8	7.1	8.3	7.1	7.3	8.2	6.9	7.1	7.1	6.6	6.8
31	---	---	---	7.6	6.8	7.0	8.0	7.0	7.1	---	---	---
Max	8.6	7.0	7.5	8.3	7.1	7.3	8.5	7.4	7.8	---	---	---
Min	7.2	6.4	6.7	6.7	6.3	6.4	7.1	6.6	6.9	---	---	---

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
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	7.4	6.8	7.0	7.6	7.2	7.3	8.1	7.7	7.9	7.4	7.2	7.3
2	7.0	6.8	6.8	7.7	7.4	7.5	8.0	7.8	7.9	7.4	7.2	7.3
3	6.9	6.7	6.8	7.9	7.4	7.6	7.9	7.6	7.8	7.2	7.1	7.2
4	7.1	6.7	7.0	7.8	7.6	7.7	7.9	7.7	7.8	8.0	7.2	7.9
5	7.0	6.9	6.9	7.8	7.5	7.6	7.9	7.6	7.8	8.0	7.8	7.9
6	7.2	6.9	7.0	7.5	7.3	7.3	7.9	7.7	7.8	7.9	7.8	7.8
7	7.2	7.0	7.1	7.7	7.3	7.4	7.9	7.7	7.8	7.8	7.7	7.8
8	7.1	7.0	7.0	7.8	7.5	7.6	7.7	7.6	7.7	7.8	7.6	7.7
9	7.1	6.9	7.0	7.8	7.6	7.7	7.7	7.6	7.6	7.6	7.4	7.5
10	7.1	6.9	6.9	7.8	7.4	7.6	7.7	7.6	7.6	7.5	7.4	7.5
11	7.5	7.0	7.0	7.9	7.6	7.7	7.7	7.5	7.6	7.5	7.3	7.4
12	7.6	7.0	7.1	7.8	7.7	7.7	---	---	---	7.4	7.3	7.3
13	7.4	7.0	7.1	7.8	7.6	7.7	8.0	7.6	7.7	7.3	7.2	7.3
14	7.0	6.9	6.9	7.7	7.6	7.6	8.2	7.7	7.9	7.3	7.2	7.2
15	7.0	6.9	6.9	7.8	7.4	7.6	8.2	7.6	7.8	7.3	7.1	7.2
16	7.3	7.0	7.1	8.2	7.3	7.7	7.8	7.2	7.6	7.3	7.1	7.2
17	7.2	7.0	7.1	8.1	7.6	7.8	8.1	7.2	7.8	7.2	7.0	7.1
18	7.1	6.9	7.0	7.8	7.5	7.6	7.9	7.5	7.8	7.2	6.9	7.0
19	7.1	6.9	6.9	7.9	7.6	7.7	8.0	7.6	7.8	7.3	7.0	7.1
20	7.5	6.9	7.1	7.9	7.7	7.8	8.1	7.9	8.0	8.2	7.0	7.2
21	7.5	7.1	7.3	7.8	7.6	7.7	8.1	7.8	7.9	8.2	7.8	7.9
22	7.3	7.0	7.1	7.7	7.5	7.6	8.0	7.8	7.9	7.9	7.6	7.7
23	7.3	7.1	7.2	8.0	7.4	7.6	8.0	7.6	7.9	8.0	7.5	7.7
24	7.3	7.0	7.1	8.1	7.9	8.0	8.1	7.7	7.8	7.8	7.6	7.7
25	7.6	7.1	7.3	7.9	7.7	7.8	8.0	7.8	8.0	7.7	7.2	7.4
26	7.3	7.2	7.2	7.8	7.6	7.7	7.9	7.4	7.8	7.6	7.4	7.5
27	7.3	7.0	7.2	7.9	7.5	7.6	8.0	7.3	7.6	7.6	7.4	7.5
28	7.2	7.1	7.2	7.9	7.6	7.8	7.8	7.5	7.6	7.7	7.4	7.5
29	7.6	7.1	7.2	8.0	7.7	7.8	7.6	7.4	7.5	7.6	7.3	7.4
30	7.5	7.2	7.3	7.9	7.8	7.8	7.4	7.2	7.3	7.4	7.1	7.3
31	7.4	7.2	7.3	---	---	---	7.4	7.2	7.2	7.7	7.2	7.6
Max	7.6	7.2	7.3	8.2	7.9	8.0	---	---	---	8.2	7.8	7.9
Min	6.9	6.7	6.8	7.5	7.2	7.3	---	---	---	7.2	6.9	7.0

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
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	7.6	7.2	7.4	6.9	6.4	6.8	6.4	6.2	6.3	6.5	6.0	6.0
2	7.5	7.2	7.3	7.0	6.6	6.9	6.5	6.2	6.4	6.1	6.0	6.1
3	7.2	7.0	7.2	7.0	6.5	6.9	6.5	6.3	6.4	6.1	6.0	6.0
4	7.1	7.0	7.0	7.0	6.3	6.5	6.4	6.3	6.3	6.0	6.0	6.0
5	7.0	6.9	7.0	6.6	6.2	6.3	6.5	6.3	6.4	6.5	5.9	6.0
6	7.0	6.9	6.9	6.3	6.1	6.2	6.4	6.0	6.3	6.5	6.0	6.4
7	7.1	6.8	6.9	7.0	6.0	6.1	6.1	6.0	6.1	6.5	6.2	6.4
8	7.2	6.9	7.1	6.2	6.0	6.1	6.1	6.0	6.1	6.3	6.1	6.1
9	7.1	6.9	6.9	6.2	6.1	6.1	6.1	6.1	6.1	6.3	6.2	6.2
10	7.1	6.8	6.9	6.1	6.0	6.1	6.1	5.9	6.0	6.6	6.2	6.3
11	7.2	7.0	7.1	6.0	5.9	5.9	6.0	6.0	6.0	6.8	6.6	6.6
12	7.2	7.0	7.1	6.0	5.9	5.9	6.0	5.9	6.0	6.7	6.3	6.4
13	7.0	6.7	6.9	6.0	6.0	6.0	6.0	5.9	6.0	7.3	6.7	6.8
14	7.3	6.6	7.0	6.0	6.0	6.0	6.5	6.0	6.5	7.2	6.3	6.6
15	7.3	7.0	7.2	6.0	5.9	6.0	6.5	6.3	6.5	6.8	6.3	6.7
16	7.3	6.9	7.3	6.1	6.0	6.0	6.7	6.4	6.5	6.7	6.4	6.6
17	7.3	7.1	7.2	6.7	6.0	6.5	6.5	6.4	6.5	6.7	6.4	6.6
18	7.1	6.2	6.6	6.8	6.2	6.7	6.4	6.4	6.4	6.6	6.5	6.6
19	6.3	6.0	6.2	6.3	6.2	6.2	6.4	6.4	6.4	6.6	6.5	6.6
20	6.4	6.0	6.1	6.4	6.2	6.2	6.7	6.3	6.3	6.6	6.3	6.4
21	6.2	5.9	6.1	6.4	6.2	6.3	6.5	6.2	6.3	6.7	6.4	6.6
22	6.3	5.9	6.0	6.3	6.2	6.2	6.5	6.2	6.4	6.7	6.4	6.4
23	6.9	6.0	6.6	6.3	6.1	6.2	6.5	6.0	6.3	6.6	6.4	6.4
24	7.0	6.5	6.9	6.6	6.1	6.1	6.2	5.9	6.0	6.5	6.3	6.4
25	7.0	6.9	7.0	6.6	6.2	6.5	5.9	5.8	5.9	6.4	6.3	6.4
26	6.9	6.4	6.9	6.6	6.3	6.5	5.9	5.9	5.9	6.3	6.3	6.3
27	6.9	6.0	6.3	6.4	6.2	6.2	6.1	5.7	5.9	6.5	6.3	6.3
28	7.0	6.4	7.0	6.3	6.2	6.2	6.0	5.8	5.9	6.6	6.3	6.3
29	7.0	6.7	7.0	6.4	6.2	6.4	6.3	5.8	5.9	6.5	6.3	6.4
30	---	---	---	6.6	6.3	6.5	6.4	5.9	6.0	6.5	6.4	6.5
31	---	---	---	6.6	6.2	6.5	---	---	---	6.5	6.4	6.5
Max	7.6	7.2	7.4	7.0	6.6	6.9	6.7	6.4	6.5	7.3	6.7	6.8
Min	6.2	5.9	6.0	6.0	5.9	5.9	5.9	5.7	5.9	6.0	5.9	6.0

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
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	6.6	6.4	6.5	7.1	6.8	6.9	6.9	6.8	6.9	7.4	6.9	7.0
2	6.8	6.4	6.5	7.1	6.8	6.9	7.0	6.8	6.9	7.3	6.9	7.0
3	6.6	6.4	6.5	6.9	6.6	6.7	6.9	6.8	6.8	7.1	6.8	7.0
4	6.6	6.3	6.4	7.0	6.6	6.7	6.9	6.8	6.9	7.0	6.9	6.9
5	6.7	6.5	6.6	7.1	6.8	7.0	6.9	6.8	6.9	7.4	6.8	7.0
6	6.8	6.6	6.6	7.2	6.8	7.0	7.0	6.9	6.9	7.7	6.4	7.3
7	6.8	6.4	6.5	7.1	6.8	6.9	7.0	6.9	7.0	6.6	6.3	6.6
8	6.7	6.5	6.5	6.8	6.7	6.7	7.0	6.8	6.9	6.7	6.5	6.6
9	6.6	6.5	6.6	6.7	6.5	6.6	7.0	6.8	6.9	6.7	6.6	6.7
10	6.8	6.5	6.6	6.8	6.4	6.6	7.3	6.7	6.8	6.7	6.6	6.7
11	6.8	6.7	6.8	6.9	6.6	6.8	7.1	6.8	7.0	6.9	6.6	6.8
12	6.8	6.6	6.7	6.8	6.7	6.8	7.1	6.8	6.9	7.0	6.9	6.9
13	6.9	6.4	6.7	6.8	6.8	6.8	7.0	6.9	6.9	7.0	7.0	7.0
14	6.8	6.6	6.7	6.8	6.8	6.8	7.0	6.8	6.9	7.0	7.0	7.0
15	6.8	6.5	6.6	7.2	6.8	7.0	7.2	6.8	6.9	7.0	7.0	7.0
16	6.7	6.4	6.6	7.1	6.9	7.0	7.2	6.9	7.1	7.0	6.8	6.9
17	6.7	6.3	6.6	7.1	6.8	6.9	7.3	6.7	6.9	7.1	6.9	7.0
18	6.8	6.3	6.5	7.3	6.8	7.0	8.0	6.8	7.0	7.4	7.0	7.0
19	6.8	6.6	6.6	7.5	7.0	7.2	7.6	6.8	7.2	7.2	7.0	7.1
20	6.9	6.6	6.7	7.4	7.0	7.1	8.0	6.9	7.2	7.2	7.1	7.2
21	6.9	6.7	6.8	7.3	7.0	7.0	7.8	7.1	7.3	7.1	7.0	7.0
22	7.6	6.7	6.8	7.2	7.0	7.1	8.0	7.2	7.5	7.1	7.0	7.0
23	7.5	6.9	7.0	7.1	7.0	7.0	7.8	7.0	7.3	7.3	6.9	7.1
24	7.3	6.8	6.9	7.2	6.9	7.0	7.2	6.8	7.1	7.5	7.1	7.3
25	7.2	6.7	6.9	7.1	7.0	7.0	7.1	6.8	7.0	7.7	7.4	7.6
26	7.0	6.7	6.8	7.2	7.1	7.1	7.0	6.8	6.9	7.8	7.2	7.3
27	7.0	6.7	6.8	7.1	7.0	7.1	7.0	6.8	7.0	7.4	6.8	7.1
28	7.0	6.7	6.8	7.3	7.1	7.2	7.6	6.9	7.0	7.2	7.0	7.2
29	7.2	6.8	6.9	7.3	7.1	7.2	7.1	6.8	6.9	7.4	7.1	7.2
30	7.4	6.8	7.0	7.4	6.8	7.2	7.2	6.9	7.0	7.2	6.8	7.0
31	---	---	---	7.0	6.8	6.9	7.7	6.8	7.0	---	---	---
Max	7.6	6.9	7.0	7.5	7.1	7.2	8.0	7.2	7.5	7.8	7.4	7.6
Min	6.6	6.3	6.4	6.7	6.4	6.6	6.9	6.7	6.8	6.6	6.3	6.6

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, 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	24.7	23.8	24.3	20.6	19.6	20.2	13.3	11.9	12.8	11.3	10.1	10.8
2	25.1	23.7	24.3	20.4	18.4	19.3	12.7	11.6	12.3	10.3	8.3	9.5
3	26.0	24.2	24.8	18.7	17.4	17.8	13.5	11.8	12.8	8.5	6.4	7.6
4	26.4	24.9	25.4	17.8	17.1	17.5	11.8	9.3	10.2	7.4	6.4	6.9
5	26.3	25.3	25.7	17.6	16.4	17.4	9.4	8.4	9.0	7.2	5.9	6.4
6	26.8	25.5	26.0	17.6	15.5	16.5	9.2	8.0	8.6	7.5	6.2	6.8
7	28.0	25.9	26.4	16.0	14.4	15.3	8.8	7.7	8.4	8.3	6.4	7.6
8	27.8	26.1	26.7	15.5	13.8	14.7	10.5	8.6	9.2	9.6	7.1	8.1
9	28.0	26.3	27.0	15.2	14.7	14.9	11.7	9.6	10.4	10.1	8.0	9.1
10	27.3	26.2	26.8	15.2	13.1	14.2	12.6	10.8	11.7	9.5	9.0	9.1
11	26.6	24.8	25.8	13.4	12.6	13.1	13.5	11.4	12.6	11.6	8.9	10.5
12	24.8	22.9	23.5	13.8	12.9	13.3	14.2	12.6	13.4	12.1	10.6	11.4
13	23.3	21.6	22.5	14.6	13.3	13.8	14.7	13.4	14.0	12.6	10.5	11.6
14	22.9	21.1	22.3	15.6	14.0	14.6	15.2	14.0	14.5	12.0	10.6	11.3
15	23.0	21.2	22.4	15.5	13.6	14.8	14.6	13.4	13.9	11.4	9.4	10.4
16	23.0	21.5	22.3	13.7	12.4	12.9	14.0	11.8	13.1	9.7	8.2	8.9
17	24.2	22.1	22.8	12.8	11.5	12.2	12.0	9.4	10.3	9.4	8.0	8.9
18	24.1	22.9	23.4	13.4	11.7	12.6	10.1	8.9	9.6	8.9	7.8	8.4
19	24.8	23.7	24.2	13.5	13.0	13.2	10.4	8.7	9.8	8.6	8.0	8.3
20	24.7	23.7	24.2	14.3	13.0	13.6	10.8	9.3	10.4	8.3	6.5	7.6
21	24.0	22.8	23.5	14.9	13.7	14.2	10.7	9.4	10.2	7.2	5.2	6.5
22	23.8	22.8	23.3	15.7	14.2	15.0	11.3	10.0	10.6	7.2	5.7	6.6
23	24.4	22.9	23.5	15.5	13.6	14.7	12.6	10.7	11.4	7.8	6.3	6.7
24	24.8	23.6	24.2	14.2	12.9	13.4	12.1	10.9	11.8	7.4	6.5	6.9
25	24.8	24.1	24.4	13.2	12.4	12.9	12.1	11.2	11.7	7.3	5.5	6.3
26	24.5	24.0	24.3	14.3	12.1	13.1	11.8	9.7	10.7	6.9	5.8	6.5
27	24.3	23.4	23.8	15.1	13.8	14.5	11.2	9.4	10.1	7.3	5.4	6.6
28	23.7	22.8	23.3	14.7	13.6	14.2	10.8	9.9	10.2	7.8	6.1	7.1
29	23.4	20.8	21.8	13.9	13.0	13.6	11.5	10.2	10.9	7.6	6.7	7.4
30	21.3	19.4	20.8	13.7	12.6	13.1	11.7	10.2	11.0	9.0	7.0	7.9
31	20.6	19.8	20.3	---	---	---	11.8	10.0	10.9	8.9	7.8	8.3
Month	28.0	19.4	24.0	20.6	11.5	14.7	15.2	7.7	11.2	12.6	5.2	8.3

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, 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	9.8	7.3	8.5	10.8	8.9	9.7	17.0	14.8	15.7	20.4	18.9	19.6
2	9.5	7.9	9.0	10.8	9.3	10.0	17.7	16.0	16.5	20.5	18.6	19.4
3	9.8	8.0	9.1	11.2	9.4	10.2	16.0	14.8	15.4	20.7	18.8	19.4
4	10.1	9.1	9.6	12.7	10.4	11.3	17.1	14.9	15.9	22.0	19.4	20.2
5	11.6	9.4	10.4	13.9	11.7	12.9	16.9	16.1	16.4	21.7	20.1	20.7
6	13.6	10.5	11.8	15.1	13.1	13.9	16.4	16.0	16.2	22.4	20.6	21.2
7	13.7	11.3	12.5	14.7	14.2	14.5	16.1	15.2	15.6	23.6	21.1	22.0
8	13.7	11.7	12.7	15.1	13.9	14.7	15.2	14.6	14.9	22.4	21.6	21.9
9	13.7	11.5	12.8	14.0	12.8	13.4	15.0	14.3	14.6	23.5	21.6	22.3
10	12.7	11.6	12.2	13.7	12.6	13.1	16.2	14.5	15.1	23.8	22.4	23.0
11	11.9	10.2	11.1	13.2	12.3	12.6	17.5	15.4	16.2	23.4	21.6	22.1
12	11.6	10.0	11.0	13.5	12.1	12.6	19.1	17.0	17.8	21.6	18.8	20.6
13	12.8	11.4	12.2	13.8	12.4	12.9	19.1	17.8	18.3	19.6	17.9	18.6
14	12.5	11.2	11.7	13.7	12.8	13.2	18.8	16.8	17.9	20.6	18.6	19.4
15	11.8	10.7	11.3	14.9	13.3	14.0	17.7	16.8	17.4	20.8	19.4	20.0
16	12.2	11.1	11.6	14.5	14.2	14.3	17.7	15.9	16.9	21.7	20.3	20.9
17	11.5	10.5	11.0	14.6	13.6	14.0	18.4	16.1	16.9	22.1	20.1	21.0
18	12.4	11.2	11.6	14.2	13.3	13.8	18.6	16.3	17.1	21.9	20.2	21.0
19	13.2	11.5	12.2	15.0	13.6	14.1	19.8	16.7	17.8	22.4	20.3	21.3
20	12.5	11.4	12.0	15.4	14.4	14.8	19.4	17.8	18.4	22.9	21.4	22.2
21	11.8	10.7	11.2	15.0	13.8	14.4	18.4	17.5	17.9	23.2	21.8	22.4
22	10.9	9.8	10.3	15.8	14.2	15.0	19.1	17.8	18.4	23.6	21.6	22.6
23	9.9	9.2	9.7	16.0	14.5	15.2	19.7	18.4	18.8	23.6	22.2	22.7
24	10.4	8.8	9.3	15.0	14.3	14.6	20.3	18.3	18.9	23.6	22.1	22.7
25	10.5	9.0	9.6	15.2	13.3	14.2	20.4	18.6	19.3	23.2	21.8	22.6
26	10.2	9.4	9.9	15.6	13.5	14.3	21.2	19.1	20.0	24.9	22.1	23.3
27	10.0	9.2	9.7	16.0	14.2	14.9	21.4	20.0	20.6	25.6	22.6	23.7
28	9.5	8.2	9.0	17.0	14.9	15.8	20.9	20.4	20.6	24.3	22.2	23.2
29	10.0	8.6	9.3	16.7	15.0	16.0	20.9	20.1	20.5	23.8	21.7	22.4
30	---	---	---	15.1	13.4	14.2	20.9	19.2	20.1	24.7	22.1	23.1
31	---	---	---	14.9	13.4	14.1	---	---	---	26.2	23.3	24.7
Month	13.7	7.3	10.8	17.0	8.9	13.6	21.4	14.3	17.5	26.2	17.9	21.6

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS, 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	27.6	24.2	25.6	29.6	28.2	29.0	31.7	29.7	30.4	29.1	28.3	28.7
2	26.8	25.0	25.9	29.5	27.7	28.5	31.3	30.0	30.5	29.3	27.4	28.5
3	27.2	25.2	26.1	29.7	27.4	28.6	31.2	29.2	30.1	29.5	27.3	28.5
4	28.3	25.2	26.6	30.4	28.3	29.2	31.0	29.3	29.9	29.8	27.5	28.6
5	28.9	26.4	27.5	29.9	28.5	29.0	31.4	30.0	30.4	29.0	27.6	28.2
6	29.5	27.3	28.5	29.5	27.6	28.6	31.1	29.6	30.4	27.8	26.3	26.8
7	30.8	28.3	29.2	29.4	28.3	28.9	31.0	29.4	30.0	28.6	26.2	26.9
8	31.5	28.9	29.5	29.0	27.0	28.4	30.6	29.0	29.7	29.1	27.0	27.7
9	31.5	29.2	29.9	27.1	26.3	26.7	30.0	29.0	29.5	28.4	27.6	28.0
10	31.4	28.8	29.7	28.0	25.8	26.5	29.5	28.7	29.1	28.0	27.1	27.5
11	31.0	28.9	29.7	27.7	26.7	26.9	29.7	28.1	28.8	27.4	26.5	26.9
12	29.6	28.4	29.0	28.6	26.5	27.2	28.5	27.2	27.9	27.4	25.7	26.4
13	29.3	28.4	28.9	29.2	26.5	27.6	28.3	27.1	27.5	28.2	25.7	26.7
14	30.2	28.0	28.9	29.4	27.3	28.1	28.6	26.0	27.1	28.5	26.3	27.3
15	29.6	28.6	29.0	28.8	27.8	28.1	29.2	26.9	27.7	27.9	26.5	27.3
16	30.7	28.1	29.1	29.1	26.9	28.2	29.2	27.7	28.3	27.8	26.6	27.2
17	30.2	28.3	29.1	29.3	27.9	28.5	29.1	27.8	28.4	27.2	25.8	26.6
18	29.5	27.8	28.4	30.3	27.5	29.0	29.4	27.7	28.5	27.3	25.1	26.5
19	29.0	27.6	28.2	30.4	28.6	29.5	30.0	28.0	28.9	26.7	24.5	25.8
20	28.7	27.1	28.2	30.2	28.9	29.5	30.0	28.4	29.2	25.7	23.5	24.4
21	28.4	27.3	27.5	30.9	29.1	30.1	29.4	28.4	28.9	24.8	23.9	24.4
22	28.8	26.8	27.5	30.7	29.7	30.1	28.7	27.5	28.2	24.5	24.2	24.4
23	28.8	27.3	28.1	30.2	29.1	29.5	28.4	27.2	27.8	24.5	22.7	23.7
24	29.3	27.4	28.2	29.4	28.3	28.9	29.2	27.6	28.0	23.2	21.4	22.0
25	29.6	27.8	28.8	29.2	28.2	28.7	29.1	27.8	28.1	21.4	20.5	20.9
26	30.6	28.2	29.3	30.0	28.0	28.8	29.2	28.1	28.6	22.6	20.6	21.4
27	30.8	28.4	29.6	30.4	28.5	29.4	28.5	27.4	27.9	23.8	21.9	22.5
28	30.8	28.7	29.7	31.0	28.5	29.5	28.4	27.2	27.6	23.7	22.7	23.0
29	30.5	29.0	29.8	31.7	29.4	30.2	29.0	27.5	28.0	24.2	22.6	23.1
30	30.0	29.0	29.4	32.2	29.3	30.5	30.5	27.7	28.6	24.1	23.0	23.4
31	---	---	---	31.7	29.6	30.4	29.9	28.3	29.0	---	---	---
Month	31.5	24.2	28.5	32.2	25.8	28.8	31.7	26.0	28.8	29.8	20.5	25.8

	Max	Min	Mean
Year	32.2	5.2	19.5

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, 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	24.6	24.0	24.3	20.6	19.9	20.2	13.3	12.9	13.1	12.0	11.5	11.9
2	24.4	23.6	23.9	20.4	18.8	19.4	13.0	12.4	12.6	12.0	11.2	11.9
3	25.0	23.8	24.3	18.8	17.2	17.8	13.7	11.9	12.7	11.8	8.3	10.7
4	25.4	24.8	25.0	17.7	17.5	17.6	11.9	9.7	10.5	9.2	7.2	7.7
5	25.4	25.0	25.2	17.7	17.4	17.6	9.7	9.3	9.5	7.4	7.1	7.2
6	26.4	25.3	25.7	17.7	16.2	17.5	9.3	7.9	8.8	7.9	7.4	7.7
7	26.4	25.9	26.1	17.0	15.2	16.0	9.2	8.6	8.9	8.2	7.9	8.1
8	26.5	26.2	26.4	15.6	14.7	15.1	9.4	9.1	9.3	8.5	8.2	8.3
9	27.0	26.3	26.5	15.1	14.6	14.9	10.2	9.4	9.7	8.6	8.4	8.5
10	26.8	26.2	26.4	15.2	13.2	14.8	10.4	9.9	10.1	9.2	8.6	9.0
11	26.7	25.2	25.9	13.6	12.9	13.2	11.2	10.2	10.6	9.3	9.1	9.2
12	25.3	22.8	23.6	13.4	13.0	13.2	12.7	10.8	11.2	9.7	9.2	9.3
13	23.2	22.2	22.6	13.9	13.3	13.6	14.0	11.6	12.8	11.0	9.4	9.9
14	22.9	22.6	22.8	14.4	13.8	14.1	14.9	13.8	14.3	11.5	10.3	11.1
15	23.0	22.7	22.9	15.0	14.0	14.5	14.8	14.1	14.3	11.5	10.9	11.3
16	22.7	21.8	22.2	14.0	12.7	13.2	14.1	12.1	13.4	11.2	10.3	10.7
17	22.6	22.2	22.3	13.2	12.7	12.9	13.1	9.9	10.9	10.6	9.3	10.1
18	22.9	22.5	22.8	13.4	12.9	13.2	10.6	10.0	10.4	9.8	8.6	9.2
19	23.5	22.8	23.2	13.5	13.3	13.4	10.9	10.6	10.7	8.9	8.3	8.6
20	24.2	23.4	23.9	13.8	13.3	13.5	10.9	10.7	10.8	8.4	7.0	8.0
21	24.1	23.7	23.9	14.0	13.7	13.9	10.8	10.7	10.8	7.0	5.6	6.3
22	23.8	23.2	23.5	14.3	14.0	14.1	10.8	10.6	10.6	6.2	5.9	6.1
23	23.3	23.0	23.2	15.0	14.1	14.7	11.0	10.6	10.8	6.6	6.2	6.3
24	24.3	23.3	23.7	14.2	13.4	13.9	11.7	10.9	11.2	6.8	6.5	6.6
25	24.7	24.1	24.3	13.8	13.2	13.4	11.8	11.4	11.6	7.3	6.7	7.0
26	24.5	24.2	24.3	13.4	13.1	13.2	11.6	10.8	11.5	7.3	7.2	7.2
27	24.2	23.8	24.0	14.3	13.3	13.7	11.0	10.1	10.3	7.3	7.2	7.2
28	23.9	23.4	23.6	14.6	14.0	14.3	10.4	10.2	10.4	7.5	7.3	7.3
29	23.5	21.0	22.2	14.4	13.6	14.0	10.5	10.4	10.5	7.5	7.3	7.4
30	21.5	20.6	20.9	13.8	13.0	13.3	10.8	10.5	10.7	8.8	7.4	7.8
31	20.8	20.5	20.6	---	---	---	12.0	10.8	11.3	9.0	8.4	8.8
Month	27.0	20.5	23.9	20.6	12.7	14.8	14.9	7.9	11.1	12.0	5.6	8.6

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, 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	9.2	8.7	8.9	10.6	9.2	9.9	16.8	14.7	15.6	20.1	18.9	19.5
2	9.8	8.9	9.6	10.6	10.1	10.4	17.2	15.7	16.3	19.9	18.6	19.2
3	10.0	9.6	9.8	11.1	10.1	10.5	16.0	14.7	15.4	20.4	18.8	19.4
4	10.1	9.9	10.1	12.6	10.4	11.2	16.9	14.8	15.8	20.8	19.4	19.9
5	10.2	10.1	10.2	13.6	11.8	12.8	16.7	16.1	16.3	21.4	19.8	20.5
6	10.4	10.2	10.3	15.1	12.9	13.7	16.4	16.0	16.2	21.3	19.7	20.4
7	12.6	10.4	11.1	14.7	14.0	14.4	16.0	15.1	15.5	22.4	20.2	21.1
8	13.4	12.2	12.9	15.2	13.9	14.7	15.1	14.5	14.8	22.1	21.6	21.8
9	13.4	13.2	13.3	13.9	12.8	13.4	14.8	14.3	14.5	23.1	21.7	22.2
10	13.4	12.5	13.1	13.5	12.7	13.0	15.8	14.5	15.0	23.1	22.2	22.7
11	12.7	11.3	11.9	12.9	12.3	12.6	17.3	15.4	16.2	23.1	21.6	22.0
12	12.2	11.9	12.1	13.2	12.2	12.6	18.7	17.0	17.8	21.7	18.8	20.6
13	12.6	11.5	12.1	13.4	12.4	12.8	18.9	17.7	18.2	19.6	17.8	18.6
14	12.6	11.5	12.2	13.7	12.9	13.2	18.7	16.4	17.0	20.2	18.4	19.0
15	12.2	11.9	12.1	14.9	13.3	13.9	17.6	16.3	16.6	19.9	19.0	19.4
16	12.2	11.9	12.1	14.5	14.1	14.3	17.0	16.2	16.5	21.4	19.2	20.2
17	12.2	12.1	12.2	14.3	13.5	14.0	16.9	16.4	16.5	21.2	19.9	20.2
18	12.2	11.3	11.8	14.3	13.9	14.2	16.6	16.4	16.5	20.4	19.9	20.0
19	13.2	11.5	12.2	14.9	13.6	14.1	17.7	16.3	16.5	20.8	19.9	20.5
20	12.7	11.3	12.0	15.2	14.2	14.7	19.2	16.4	17.9	22.1	20.5	20.8
21	11.9	10.8	11.3	14.9	13.5	14.1	18.3	17.6	17.9	22.4	20.9	21.8
22	11.0	9.9	10.4	15.6	14.2	14.9	19.1	18.1	18.4	22.4	21.6	21.8
23	11.8	9.6	10.6	15.6	14.5	15.1	19.0	18.2	18.5	22.5	21.8	22.1
24	11.8	9.9	11.6	15.1	14.3	14.6	19.8	18.3	18.8	22.6	22.3	22.4
25	11.5	11.2	11.4	15.0	14.2	14.8	20.0	18.5	19.1	22.6	22.1	22.3
26	11.4	10.1	11.1	14.8	13.6	14.4	20.9	19.1	19.9	22.8	22.2	22.4
27	11.0	9.6	10.1	15.8	14.2	14.9	21.2	20.0	20.5	23.5	22.4	22.7
28	11.1	8.8	10.5	16.7	14.9	15.7	21.0	20.4	20.7	23.7	22.8	23.2
29	10.5	9.5	10.3	16.7	15.0	15.9	20.9	20.0	20.5	23.1	22.5	22.8
30	---	---	---	15.6	14.1	15.1	20.7	19.1	19.9	22.8	22.6	22.7
31	---	---	---	15.0	13.6	14.1	---	---	---	22.8	22.6	22.6
Month	13.4	8.7	11.3	16.7	9.2	13.7	21.2	14.3	17.3	23.7	17.8	21.1

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, 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	25.0	22.6	23.4	29.3	28.6	28.8	30.3	29.4	29.8	29.3	28.5	28.7
2	25.9	23.8	24.9	28.6	28.1	28.3	29.5	29.1	29.3	28.8	28.5	28.6
3	25.9	25.2	25.6	28.5	28.0	28.2	29.3	29.1	29.2	28.8	28.3	28.4
4	26.1	25.3	25.6	29.0	28.0	28.3	29.9	29.1	29.2	28.8	28.3	28.4
5	26.8	25.5	26.1	29.1	28.3	28.5	29.8	29.3	29.4	28.9	27.7	28.3
6	27.9	26.5	26.9	28.7	27.8	28.2	29.4	29.2	29.3	27.8	26.4	26.8
7	28.3	27.1	27.5	28.8	28.2	28.4	29.4	29.2	29.3	26.9	26.2	26.6
8	29.3	27.0	27.6	28.7	27.3	28.2	29.8	29.1	29.4	28.2	26.6	26.9
9	28.3	27.0	27.2	27.8	26.5	27.4	29.5	28.9	29.1	28.2	27.7	27.9
10	28.6	27.2	27.4	27.3	25.8	26.5	29.1	28.9	29.0	27.9	27.6	27.8
11	28.6	27.2	27.6	27.4	26.8	27.1	29.1	28.1	28.5	27.8	27.7	27.7
12	29.1	28.0	28.4	27.4	27.0	27.2	28.2	27.9	28.0	27.7	27.6	27.6
13	28.9	28.0	28.3	27.4	27.1	27.3	28.0	27.7	27.9	27.6	27.5	27.6
14	28.6	28.0	28.2	27.7	27.3	27.4	27.8	26.7	27.1	27.6	27.5	27.6
15	29.2	28.1	28.3	28.2	27.4	27.7	28.3	26.5	26.8	27.6	27.6	27.6
16	28.9	28.0	28.3	28.2	27.8	28.0	28.3	27.5	27.9	27.6	27.3	27.5
17	28.7	28.2	28.4	28.7	27.8	28.1	28.6	27.6	28.0	27.3	27.1	27.3
18	28.5	27.6	27.9	29.5	28.4	28.6	29.2	27.9	28.4	27.3	26.9	27.1
19	28.0	27.6	27.7	30.1	28.8	29.4	29.3	28.2	28.6	27.1	25.5	26.0
20	28.3	27.3	27.6	30.0	29.0	29.4	29.9	28.5	29.1	25.8	24.2	24.8
21	28.1	27.1	27.4	29.9	29.5	29.6	29.4	28.5	28.8	24.6	24.1	24.4
22	27.9	26.6	27.2	30.2	29.6	29.9	28.7	27.8	28.2	24.6	24.2	24.4
23	28.4	27.2	27.6	30.0	28.9	29.2	28.1	27.2	27.7	24.4	22.9	23.6
24	28.3	27.3	27.7	29.4	28.7	29.0	28.0	27.4	27.6	23.3	21.7	22.3
25	28.6	27.5	28.0	29.0	28.4	28.5	28.2	27.5	27.8	21.7	20.5	21.0
26	28.6	27.7	28.1	28.5	28.3	28.3	28.2	27.6	27.9	22.3	20.6	21.1
27	29.1	27.8	28.3	28.8	28.3	28.5	28.2	28.0	28.1	22.8	21.8	22.2
28	29.4	28.3	28.6	29.4	28.5	28.8	28.1	27.4	27.7	22.8	22.4	22.5
29	29.8	28.9	29.2	29.7	28.8	29.2	28.1	27.5	27.7	22.8	22.3	22.5
30	29.6	28.8	29.3	29.6	28.8	29.0	29.0	27.8	28.1	23.3	22.4	22.8
31	---	---	---	30.4	28.9	29.3	29.6	28.4	28.9	---	---	---
Month	29.8	22.6	27.5	30.4	25.8	28.4	30.3	26.5	28.4	29.3	20.5	25.9

	Max	Min	Mean
Year	30.4	5.6	19.4

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, 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	7.8	5.7	6.7	10.4	7.1	8.8	---	---	---	8.6	6.9	8.1
2	8.0	5.3	6.4	9.9	6.5	8.1	---	---	---	9.7	8.1	9.0
3	7.8	4.9	6.5	10.5	7.0	8.8	---	---	---	10.3	9.4	9.9
4	7.5	4.5	6.0	11.2	7.6	8.8	---	---	---	10.2	9.6	9.9
5	7.5	3.7	5.8	9.5	7.3	8.3	---	---	---	10.6	10.0	10.3
6	7.4	3.8	5.8	9.9	6.6	8.5	---	---	---	10.7	9.1	10.2
7	9.3	4.7	6.1	9.8	6.7	7.8	---	---	---	10.6	8.4	9.3
8	9.1	4.3	6.4	9.5	6.6	7.7	---	---	---	10.5	7.6	8.9
9	8.7	4.8	6.3	8.7	6.3	7.5	---	---	---	10.3	8.0	9.8
10	10.0	3.4	5.9	9.2	6.9	8.0	---	---	---	9.9	6.6	7.8
11	7.8	4.3	6.0	9.6	7.6	8.7	---	---	---	10.0	9.2	9.8
12	9.5	5.5	7.4	10.2	8.3	9.0	---	---	---	10.0	7.6	9.2
13	10.4	5.7	7.7	10.3	8.1	9.1	---	---	---	9.5	5.7	8.5
14	8.0	1.9	4.9	11.6	8.0	9.6	---	---	---	10.1	4.9	7.3
15	8.5	1.9	5.0	11.3	8.0	9.4	---	---	---	10.2	4.8	7.4
16	7.7	4.9	6.3	11.8	7.6	9.6	---	---	---	10.1	7.4	8.7
17	7.7	4.7	6.1	14.5	9.9	11.7	---	---	---	10.3	6.8	8.2
18	7.4	4.6	6.1	14.8	10.7	12.3	---	---	---	10.8	7.5	8.8
19	8.5	4.7	6.6	14.8	9.0	11.7	---	---	---	10.2	6.0	7.7
20	8.1	5.1	6.8	14.1	9.5	11.2	15.8	8.1	10.0	11.5	5.3	8.6
21	9.6	5.7	7.2	14.2	8.5	11.1	11.9	8.4	10.4	14.1	9.3	10.8
22	8.8	5.8	7.6	13.1	10.2	11.6	13.4	8.5	9.9	12.8	7.8	10.1
23	9.4	5.7	7.2	12.6	8.1	10.3	13.7	8.0	9.8	10.7	8.3	9.7
24	8.6	6.4	7.2	11.0	9.0	10	12.3	8.0	9.7	10.6	8.6	9.8
25	8.0	5.4	6.5	11.0	8.8	9.8	12.8	8.3	10.1	12.5	9.4	10.7
26	6.9	5.5	6.2	11.6	8.4	9.7	12.0	8.5	9.6	10.6	7.9	9.3
27	7.3	5.4	6.2	---	---	---	12.4	8.1	9.5	11.6	6.2	9.1
28	6.9	3.6	5.0	---	---	---	9.7	8.3	8.7	11.0	6.4	8.5
29	8.1	3.6	5.8	---	---	---	9.5	7.6	8.8	11.1	5.3	7.4
30	10.3	5.5	7.2	---	---	---	9.5	7.1	8.5	11.0	9.4	10.3
31	10.2	6.2	8.0	---	---	---	8.9	6.4	8.0	9.9	7.8	8.8
Month	10.4	1.9	6.4	---	---	---	---	---	---	14.1	4.8	9.1

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, 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	10.4	7.3	9.4	10.3	9.3	9.9	7.9	7.3	7.6	6.2	5.0	5.8
2	10.1	4.9	7.5	10.2	9.5	9.9	8.1	7.4	7.7	6.6	5.6	6.2
3	10.2	3.7	7.7	10.2	9.8	10.0	8.2	7.8	8.0	6.6	6.3	6.5
4	9.7	2.8	5.3	10.1	9.7	9.9	8.1	7.5	7.7	6.4	5.8	6.1
5	9.6	8.4	9.1	9.9	9.2	9.6	8.1	7.5	7.8	6.2	5.5	5.8
6	9.6	4.3	9.0	9.2	8.0	8.6	8.0	6.2	7.2	5.7	4.9	5.3
7	9.8	8.1	9.1	8.2	7.8	7.9	6.9	6.2	6.6	5.4	4.9	5.1
8	9.2	5.8	7.8	8.2	7.8	8.0	7.2	6.2	6.7	5.3	5.0	5.2
9	9.0	5.8	8.0	8.2	7.6	8.0	7.6	6.8	7.2	6.0	5.2	5.5
10	9.3	7.6	8.6	8.0	7.4	7.7	7.6	6.7	7.3	6.1	5.4	5.8
11	9.6	8.5	9.0	7.9	7.4	7.7	7.2	6.4	6.9	6.8	5.5	6.1
12	10.1	7.5	9.0	8.0	7.6	7.8	6.6	6.3	6.5	7.4	5.0	5.8
13	9.7	8.5	9.2	7.7	7.4	7.6	6.4	6.0	6.3	8.4	7.3	7.7
14	9.4	8.3	9.0	7.5	7.2	7.3	6.1	4.5	5.7	8.4	5.6	6.6
15	9.0	7.9	8.7	7.5	7.1	7.2	6.2	3.0	5.5	6.3	5.6	5.8
16	8.7	7.0	8.1	7.5	7.0	7.2	9.5	2.9	6.1	6.6	5.8	6.1
17	8.9	7.3	8.6	7.6	6.9	7.3	7.0	5.2	6.0	6.7	6.1	6.4
18	9.2	8.6	8.9	7.8	7.2	7.5	6.2	4.7	5.7	6.9	5.6	6.5
19	9.1	8.1	8.4	8.3	7.7	8.0	7.0	3.7	5.7	6.7	3.4	5.9
20	8.4	8.1	8.2	8.9	7.9	8.4	6.8	5.4	6.1	7.6	4.6	6.1
21	8.8	8.0	8.4	8.8	8.2	8.4	6.6	5.5	6.0	6.5	3.6	5.6
22	9.0	8.2	8.8	8.4	8.0	8.2	6.2	5.3	5.8	6.5	3.1	5.2
23	9.4	8.5	9.0	8.3	7.9	8.1	6.1	5.7	5.9	9.3	2.8	5.4
24	9.5	6.9	9.1	8.2	7.8	7.9	5.9	5.3	5.6	7.7	0.2	3.9
25	9.5	8.5	9.3	8.3	7.2	8.0	5.9	4.7	5.3	5.5	1.2	3.9
26	9.7	8.9	9.3	8.3	7.7	8.1	6.0	5.3	5.8	9.7	2.5	5.8
27	9.9	9.1	9.6	8.4	7.9	8.2	5.8	5.3	5.6	8.6	5.0	6.3
28	10.1	9.5	9.8	8.5	8.2	8.3	5.8	5.1	5.5	6.5	4.4	5.8
29	9.9	9.3	9.6	8.5	8.1	8.3	5.9	5.1	5.5	8.2	3.5	5.5
30	---	---	---	8.6	8.2	8.4	5.9	5.2	5.6	7.6	4.2	6.2
31	---	---	---	8.6	7.6	8.1	---	---	---	8.0	5.5	6.9
Month	10.4	2.8	8.7	10.3	6.9	8.2	9.5	2.9	6.4	9.7	0.2	5.8

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, 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	8.6	5.8	6.7	9.1	4.4	6.2	7.7	2.1	4.8	9.2	3.9	6.0
2	8.1	2.7	5.9	9.1	4.7	6.7	7.5	0.5	3.6	9.5	1.2	6.2
3	11.3	4.6	7.1	9.0	4.5	6.6	8.0	0.6	4.1	8.5	0.6	4.2
4	9.1	5.6	7.3	8.7	4.5	6.7	6.1	0.1	2.1	10.1	1.4	5.2
5	8.7	5.1	6.9	8.2	3.7	5.8	5.9	1.4	3.4	7.6	2.2	4.6
6	7.9	4.3	6.6	7.9	4.4	6.1	6.7	0.6	3.1	5.3	2.5	4.2
7	8.7	4.8	6.6	8.8	4.8	6.4	4.6	0.1	0.7	7.2	1.2	3.1
8	9.8	2.5	5.7	6.2	4.6	5.6	7.0	0.1	3.4	9.8	0.9	3.7
9	8.2	2.6	5.5	5.1	3.9	4.5	7.3	2.5	4.6	5.0	2.8	3.9
10	8.9	0.5	3.8	5.6	3.5	4.1	8.9	4.0	6.4	5.2	1.2	2.9
11	8.8	2.4	5.5	5.4	3.0	3.7	8.6	3.6	5.7	4.7	0.5	3.8
12	8.6	3.1	5.2	6.8	2.8	3.8	6.1	1.2	3.6	5.0	0.9	4.0
13	10.8	4.4	7.0	8.0	2.4	4.6	6.6	0.4	4.1	5.6	0.3	3.9
14	10.1	5.1	7.3	7.9	2.9	5.1	11.1	1.0	4.4	4.6	0.1	1.8
15	10.9	3.2	6.2	6.5	0.3	2.6	12.2	1.2	4.8	5.0	0.1	2.8
16	11.1	0.1	5.9	9.6	1.4	4.8	12.0	3.9	7.1	4.3	0.0	2.3
17	9.5	1.2	6.0	9.8	1.2	5.2	11.4	2.4	7.5	6.7	0.0	2.4
18	---	---	---	9.5	4.2	7.1	10.7	4.1	7.5	6.4	0.1	2.7
19	---	---	---	8.6	5.1	7.0	10.7	4.2	7.3	8.6	1.2	4.7
20	---	---	---	8.3	4.4	6.3	10.2	3.5	6.9	8.4	0.5	4.4
21	---	---	---	9.8	5.7	7.3	8.8	3.3	6.2	6.0	0.9	2.7
22	---	---	---	10.2	3.3	6.0	8.6	4.0	6.6	7.6	0.0	2.0
23	---	---	---	7.3	2.7	5.1	9.1	4.4	6.6	6.5	0.1	2.0
24	---	---	---	7.9	3.7	5.4	12.5	2.3	5.5	7.4	1.4	5.5
25	---	---	---	8.7	3.7	5.4	10.7	0.3	4.6	7.1	5.1	6.4
26	---	---	---	10.1	3.2	6.4	13.0	0.0	2.5	8.0	5.6	6.7
27	9.2	5.0	7.2	11.0	4.6	7.8	8.2	0.0	2.9	6.8	4.0	5.5
28	8.7	3.2	7.0	10.4	2.9	6.9	8.7	2.8	5.6	5.7	2.7	4.3
29	8.0	4.5	6.3	10.2	3.9	6.9	11.6	2.9	5.5	7.7	2.2	4.4
30	8.3	3.6	5.9	9.3	4.8	7.1	10.8	3.5	6.1	6.9	2.5	4.3
31	---	---	---	7.5	2.4	5.9	9.8	3.9	6.4	---	---	---
Month	---	---	---	11.0	0.3	5.8	13.0	0.0	5.0	10.1	0.0	4.0

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, 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	7.4	4.1	5.6	7.5	4.3	6.0	---	---	---	5.9	5.1	5.5
2	6.4	4.4	5.3	8.3	6.0	7.1	---	---	---	5.9	5.1	5.4
3	5.6	3.5	4.4	8.8	6.7	7.7	---	---	---	8.5	4.6	5.6
4	6.2	3.5	4.6	8.8	7.4	7.8	---	---	---	10.8	6.9	9.6
5	4.0	2.4	3.3	8.0	6.4	7.3	---	---	---	10.7	9.8	10.2
6	6.5	2.3	4.4	7.3	4.7	5.6	---	---	---	9.8	8.4	8.9
7	6.0	4.1	5.0	7.3	5.3	6.5	---	---	---	8.5	7.8	8.1
8	4.9	3.1	4.0	8.2	6.6	7.4	---	---	---	8.0	7.1	7.5
9	5.0	2.2	3.4	8.3	7.1	7.6	---	---	---	7.2	6.5	6.9
10	5.1	1.1	2.5	9.0	6.5	7.4	---	---	---	7.0	6.5	6.8
11	7.8	3.2	5.3	9.4	8.3	8.8	---	---	---	6.6	5.9	6.3
12	---	---	---	8.7	8.0	8.4	---	---	---	6.1	5.4	5.8
13	---	---	---	8.4	7.6	8.0	---	---	---	5.5	4.7	5.1
14	---	---	---	7.9	6.2	7.2	---	---	---	5.0	3.8	4.4
15	---	---	---	8.2	5.6	6.7	---	---	---	4.9	3.5	4.1
16	---	---	---	9.9	7.0	8.3	---	---	---	5.6	3.5	4.5
17	5.4	1.5	3.2	9.6	7.0	8.0	---	---	---	6.5	3.8	4.5
18	4.6	1.3	2.8	8.2	6.4	7.1	---	---	---	5.4	2.2	3.9
19	3.8	0.8	2.2	8.6	6.7	7.6	---	---	---	5.3	4.0	4.6
20	7.2	0.7	4.1	9.2	7.3	8.0	9.3	8.3	8.8	12.2	4.3	6.8
21	7.0	3.5	5.1	7.9	6.7	7.2	9.6	8.0	8.6	11.7	9.8	10.5
22	5.9	2.3	3.5	7.4	5.9	6.6	8.9	8.2	8.6	10.2	8.2	9.1
23	6.2	4.0	4.9	8.6	6.1	6.8	8.8	7.7	8.2	10.7	8.0	9.3
24	6.4	2.7	4.2	9.2	7.7	8.5	9.3	7.5	8.3	9.9	8.5	9.3
25	7.3	4.8	5.9	8.8	7.5	8.1	8.8	8.1	8.4	8.9	6.1	7.6
26	6.4	4.6	5.3	8.0	7.2	7.4	8.3	7.1	7.7	8.4	7.2	7.8
27	5.7	4.4	4.8	---	---	---	9.8	7.6	8.5	8.0	6.6	7.3
28	4.6	3.0	3.7	---	---	---	9.0	7.3	7.9	8.2	6.4	7.3
29	7.3	3.1	4.7	---	---	---	7.3	6.3	6.9	7.8	5.9	6.6
30	6.9	5.0	5.9	---	---	---	6.3	5.3	5.8	9.0	5.5	6.8
31	6.5	4.7	5.5	---	---	---	6.3	5.2	5.7	8.8	7.2	7.7
Month	---	---	---	---	---	---	---	---	---	12.2	2.2	6.9

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, 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	7.8	5.1	6.5	9.9	5.1	7.9	---	---	---	6.3	2.3	5.6
2	7.3	3.9	5.2	9.4	5.5	7.0	---	---	---	6.6	6.0	6.3
3	5.0	3.5	4.3	9.6	5.4	7.1	---	---	---	6.6	6.3	6.5
4	4.0	1.5	2.1	9.7	5.2	8.6	---	---	---	6.5	5.8	6.1
5	1.8	1.1	1.4	9.8	9.2	9.5	---	---	---	6.1	2.2	5.5
6	1.5	0.5	1.0	9.2	8.0	8.7	---	---	---	5.8	0.5	3.0
7	8.0	0.4	1.8	8.2	7.6	7.9	---	---	---	5.0	1.4	3.5
8	5.2	2.2	4.2	8.2	7.8	8.0	---	---	---	5.0	4.3	4.8
9	5.4	3.2	4.2	8.3	7.8	8.1	---	---	---	5.8	4.8	5.3
10	8.4	2.9	5.0	8.1	7.8	8.0	---	---	---	5.9	2.6	4.9
11	8.3	7.0	7.6	8.0	7.8	7.9	7.6	6.9	7.3	6.1	0.9	2.8
12	7.6	5.8	6.7	8.1	7.6	7.9	7.4	6.5	6.9	7.3	4.7	5.5
13	8.3	5.3	6.5	7.9	7.4	7.7	6.8	6.0	6.5	8.4	7.1	7.6
14	8.6	6.8	7.5	7.6	7.2	7.4	6.4	0.9	2.6	8.3	5.5	6.7
15	7.6	6.8	7.1	7.7	7.0	7.3	5.0	0.9	1.8	6.5	5.6	5.9
16	8.0	6.9	7.3	7.6	7.0	7.2	5.4	0.6	2.5	6.4	5.3	5.8
17	7.0	5.4	6.3	7.4	4.0	5.6	5.2	0.8	2.1	6.5	2.4	4.6
18	8.9	5.0	7.6	7.8	3.8	5.3	1.8	0.2	0.9	3.6	1.3	2.0
19	8.8	7.8	8.1	8.4	7.6	7.9	3.2	0.0	0.5	5.7	0.6	3.0
20	8.2	7.6	8.0	9.0	8.0	8.4	7.8	0.2	4.3	5.5	0.1	1.0
21	8.5	7.9	8.2	8.8	8.0	8.4	7.3	5.0	6.2	5.6	0.7	4.0
22	8.7	7.6	8.4	8.5	8.0	8.3	6.5	4.4	5.4	5.6	0.1	1.9
23	9.1	4.3	6.8	8.5	7.9	8.2	6.8	2.0	4.9	4.0	0.1	1.2
24	7.9	3.8	4.3	8.3	5.6	7.7	6.7	4.5	6.3	2.4	0.0	0.3
25	5.3	4.5	4.8	8.2	4.0	5.1	6.5	5.7	6.2	0.3	0.0	0.1
26	8.8	3.8	5.2	---	---	---	6.3	5.8	6.1	2.0	0.0	0.2
27	9.6	4.1	8.0	---	---	---	6.2	5.0	5.7	4.0	0.1	1.1
28	9.3	3.4	5.0	---	---	---	6.2	5.1	5.6	5.0	0.1	1.2
29	8.1	3.6	4.1	---	---	---	6.0	3.8	5.4	3.9	0.0	0.7
30	---	---	---	---	---	---	6.0	2.2	5.2	0.1	0.0	0.1
31	---	---	---	---	---	---	---	---	---	0.6	0.1	0.1
Month	9.6	0.4	5.6	---	---	---	---	---	---	8.4	0.0	3.5

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, 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	4.2	0.1	1.2	4.3	0.3	1.8	3.4	0.1	1.4	8.1	0.0	2.1
2	5.6	0.6	2.0	4.1	1.2	2.4	0.2	0.0	0.1	4.8	0.0	1.0
3	4.1	0.2	2.4	3.0	0.1	0.8	0.2	0.0	0.1	3.0	0.0	0.7
4	3.8	0.1	1.5	4.0	0.1	1.0	1.0	0.0	0.1	1.3	0.0	0.0
5	4.8	1.5	3.0	4.9	1.6	3.1	0.8	0.0	0.1	4.4	0.0	1.4
6	5.8	2.8	3.9	5.0	1.0	3.6	0.4	0.2	0.3	5.5	2.3	4.1
7	---	---	---	5.3	1.3	3.3	0.4	0.2	0.3	2.5	1.0	1.8
8	---	---	---	3.5	0.1	0.9	1.9	0.2	0.6	4.9	0.0	0.8
9	---	---	---	4.0	0.1	1.8	2.6	0.0	1.1	4.8	0.0	1.4
10	---	---	---	3.8	0.3	2.2	4.5	0.0	0.9	0.7	0.0	0.1
11	0.6	0.0	0.0	3.1	0.2	1.4	2.8	0.2	1.7	0.1	0.0	0.0
12	1.6	0.0	0.4	3.1	0.1	0.9	1.9	0.0	0.5	0.0	0.0	0.0
13	2.1	0.0	0.3	0.2	0.1	0.1	0.4	0.0	0.0	0.0	0.0	0.0
14	2.0	0.0	0.4	0.2	0.1	0.1	1.3	0.0	0.5	0.0	0.0	0.0
15	2.1	0.0	0.2	2.9	0.1	0.5	2.2	0.0	0.4	0.0	0.0	0.0
16	1.0	0.0	0.2	2.6	0.2	1.0	2.8	0.0	1.0	1.8	0.0	0.5
17	1.2	0.0	0.3	2.5	0.0	0.4	2.1	0.0	0.2	1.0	0.0	0.1
18	2.7	0.0	0.4	4.4	0.1	1.0	5.5	0.0	1.6	4.9	0.0	1.3
19	2.2	0.1	0.5	5.6	1.2	3.0	4.0	0.0	1.4	3.9	1.2	2.8
20	4.7	0.1	0.8	4.6	1.3	2.9	7.2	0.0	3.3	4.5	1.3	3.3
21	4.9	1.7	3.3	4.0	0.7	2.3	7.2	1.6	3.7	3.4	0.0	1.7
22	7.3	2.3	4.3	3.5	0.0	1.6	8.4	1.6	5.1	1.7	0.0	0.5
23	7.3	3.3	5.0	2.6	0.4	1.5	7.6	1.5	4.5	5.1	0.0	1.2
24	6.3	3.3	4.6	2.7	0.2	1.7	4.4	0.0	1.6	5.7	1.7	4.3
25	6.4	1.8	4.0	2.2	0.0	0.8	2.2	0.0	0.5	7.2	5.0	6.2
26	5.3	0.4	2.5	0.7	0.0	0.0	1.3	0.0	0.1	7.6	5.8	6.6
27	4.7	0.0	1.1	1.6	0.0	0.2	0.4	0.0	0.0	6.9	4.3	5.6
28	3.6	0.0	0.7	2.0	0.0	0.4	7.2	0.0	2.2	5.3	3.7	4.5
29	4.7	0.5	2.3	2.5	0.0	0.8	2.5	0.0	0.8	5.1	1.5	3.9
30	6.1	1.5	3.6	1.9	0.0	0.2	5.2	0.0	1.9	3.7	1.1	2.3
31	---	---	---	4.3	0.1	0.8	8.1	0.0	4.3	---	---	---
Month	---	---	---	5.6	0.0	1.4	8.4	0.0	1.3	8.1	0.0	1.9

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, 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	97	71	83	120	83	101	---	---	---	78	65	74
2	100	65	80	115	75	92	---	---	---	84	74	79
3	99	60	81	116	76	97	---	---	---	86	81	84
4	96	56	75	124	85	98	---	---	---	84	80	82
5	96	47	73	103	81	91	---	---	---	93	82	85
6	95	48	74	105	73	91	---	---	---	91	81	86
7	122	60	79	102	71	82	---	---	---	90	77	83
8	118	55	83	99	70	81	---	---	---	94	70	81
9	114	62	82	92	67	80	---	---	---	93	74	88
10	128	44	76	93	73	83	---	---	---	87	63	73
11	98	55	76	98	76	88	---	---	---	93	82	89
12	115	67	90	104	85	92	---	---	---	98	72	88
13	126	69	92	108	84	94	---	---	---	97	57	83
14	95	24	60	121	78	101	---	---	---	96	49	71
15	103	24	62	120	82	98	---	---	---	95	48	70
16	95	60	76	118	76	97	---	---	---	93	70	81
17	97	57	75	145	98	117	---	---	---	91	65	75
18	93	57	75	150	110	124	---	---	---	96	66	79
19	107	59	83	150	93	119	---	---	---	90	55	70
20	101	63	85	147	98	116	150	79	98	102	49	76
21	119	70	89	149	90	116	115	81	99	122	81	94
22	109	71	94	139	107	122	129	83	97	108	68	86
23	117	70	89	131	87	109	136	78	95	92	73	84
24	108	79	90	113	95	103	120	77	95	91	75	83
25	101	67	82	112	92	100	125	81	100	111	79	91
26	86	68	77	120	86	100	117	78	92	93	68	80
27	89	67	76	---	---	---	120	75	89	95	55	78
28	86	45	62	---	---	---	90	77	81	100	58	75
29	97	45	70	---	---	---	89	70	81	97	48	66
30	123	65	84	---	---	---	89	68	79	95	83	90
31	119	72	93	---	---	---	80	63	75	91	71	80
Month	128	24	80	---	---	---	---	---	---	122	48	81

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, 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	96	66	84	92	82	87	81	72	77	68	55	64
2	89	45	68	91	84	88	84	75	79	72	61	68
3	90	35	69	92	86	89	82	78	80	74	68	71
4	86	27	48	94	88	91	81	75	78	70	65	68
5	89	75	83	94	88	91	83	77	80	71	61	65
6	92	41	84	88	80	84	81	63	73	64	56	60
7	91	80	87	81	76	78	69	63	66	64	55	59
8	87	57	75	82	77	79	71	62	67	61	57	59
9	87	57	77	79	73	77	75	67	71	70	59	64
10	88	73	82	76	71	74	75	68	73	72	64	68
11	91	80	85	74	70	73	72	67	70	78	64	70
12	94	70	83	76	72	74	70	66	68	80	56	65
13	91	81	87	73	70	72	69	64	67	92	78	83
14	88	78	84	72	69	70	65	48	60	91	62	72
15	82	75	80	74	68	70	66	32	58	70	61	64
16	81	68	76	74	68	70	102	31	64	75	65	69
17	81	69	78	74	67	71	75	54	62	77	68	72
18	85	80	82	76	69	73	65	49	60	79	63	73
19	84	75	79	82	74	78	77	40	61	76	38	67
20	79	74	77	88	78	83	75	58	66	89	54	71
21	80	73	77	87	81	83	70	59	64	77	42	66
22	80	74	78	85	79	82	67	57	62	77	36	61
23	82	75	80	84	78	81	66	61	64	110	33	63
24	84	63	80	81	76	78	63	58	61	93	2	46
25	85	74	82	83	71	78	64	52	57	65	14	46
26	87	78	83	84	75	79	67	57	63	119	29	70
27	88	80	85	85	78	81	64	59	63	107	59	75
28	89	81	85	88	82	84	65	56	61	78	52	68
29	88	80	84	87	83	84	66	57	62	97	41	65
30	---	---	---	84	80	82	65	57	62	92	49	73
31	---	---	---	83	75	79	---	---	---	99	65	84
Month	96	27	79	94	67	79	102	31	67	119	2	67

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, 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	110	69	83	123	58	84	108	28	66	124	53	82
2	104	33	74	123	62	90	104	7	50	130	16	83
3	145	58	89	122	60	88	111	8	57	115	8	57
4	118	70	92	119	60	91	85	1	29	140	19	71
5	114	66	88	112	49	78	82	20	48	104	30	63
6	104	55	87	107	58	82	93	8	44	71	33	55
7	119	63	88	117	64	85	65	1	9	98	16	41
8	135	34	77	81	58	73	99	1	48	134	12	50
9	111	35	74	64	49	57	103	35	64	66	37	51
10	122	7	51	73	43	51	123	55	88	67	16	37
11	120	32	74	70	38	47	118	49	78	59	7	47
12	117	41	70	89	36	49	83	16	49	63	12	49
13	146	58	93	107	31	60	88	5	55	72	4	50
14	137	67	97	104	37	67	150	13	58	59	1	24
15	146	43	83	87	4	34	168	16	65	64	1	36
16	153	1	79	128	19	64	165	52	97	56	0	30
17	129	16	80	131	16	70	157	33	102	86	0	32
18	---	---	---	130	55	95	147	55	103	86	1	36
19	---	---	---	118	68	94	150	57	100	111	16	62
20	---	---	---	114	59	85	143	48	95	106	6	56
21	---	---	---	134	76	99	122	45	85	76	12	35
22	---	---	---	139	45	81	117	54	90	95	0	26
23	---	---	---	99	36	68	124	59	88	78	1	25
24	---	---	---	105	49	71	171	31	74	90	17	67
25	---	---	---	114	49	71	145	4	61	85	62	76
26	---	---	---	136	42	84	177	0	34	99	67	81
27	126	66	98	149	60	104	109	0	39	85	48	67
28	120	43	94	142	39	93	117	37	74	70	33	53
29	110	60	85	142	52	93	157	38	74	96	27	55
30	113	48	80	129	64	96	151	46	83	86	31	53
31	---	---	---	104	33	80	136	53	88	---	---	---
Month	---	---	---	149	4	77	177	0	68	140	0	52

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, 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	92	51	70	88	51	71	---	---	---	59	51	55
2	79	54	65	94	70	81	---	---	---	58	51	54
3	70	43	55	98	75	87	---	---	---	75	46	54
4	78	44	58	98	83	87	---	---	---	96	64	86
5	51	30	42	89	72	81	---	---	---	95	88	91
6	83	29	56	79	53	63	---	---	---	88	78	82
7	77	52	64	79	58	70	---	---	---	79	74	76
8	63	40	52	87	71	79	---	---	---	76	68	71
9	64	28	44	88	76	81	---	---	---	69	62	66
10	66	14	33	93	69	78	---	---	---	68	62	65
11	99	41	67	96	85	90	---	---	---	64	57	61
12	---	---	---	90	82	86	---	---	---	59	53	56
13	---	---	---	88	79	84	---	---	---	54	47	51
14	---	---	---	84	67	76	---	---	---	51	38	44
15	---	---	---	85	60	71	---	---	---	48	36	42
16	---	---	---	100	70	84	---	---	---	55	35	45
17	66	18	39	97	73	82	---	---	---	61	38	44
18	56	16	35	86	67	74	---	---	---	50	21	37
19	47	10	27	90	70	79	---	---	---	49	38	43
20	90	9	51	96	76	84	92	83	88	109	40	62
21	88	44	64	84	71	76	95	79	85	104	86	92
22	73	29	43	79	63	70	88	81	85	89	72	80
23	76	49	60	91	65	74	87	76	81	95	71	82
24	80	33	53	97	82	89	93	74	82	88	76	83
25	92	60	74	92	79	85	88	81	84	81	55	69
26	80	58	67	83	76	78	82	71	77	76	65	71
27	71	55	60	---	---	---	94	72	81	73	60	66
28	57	38	46	---	---	---	86	71	76	75	58	66
29	88	39	58	---	---	---	71	61	67	71	54	61
30	82	60	70	---	---	---	61	52	56	79	51	62
31	77	56	65	---	---	---	63	51	56	80	67	72
Month	---	---	---	---	---	---	---	---	---	109	21	64

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, 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	74	48	61	88	48	71	---	---	---	69	26	61
2	70	37	50	84	52	65	---	---	---	72	65	69
3	48	34	42	87	51	66	---	---	---	73	68	71
4	39	15	20	91	49	80	---	---	---	71	64	67
5	18	11	14	94	88	90	---	---	---	68	25	61
6	15	5	10	88	80	84	---	---	---	65	6	34
7	74	4	18	81	74	78	---	---	---	57	16	40
8	54	22	43	82	77	79	---	---	---	57	49	54
9	55	33	43	79	75	78	---	---	---	68	55	61
10	82	30	49	78	74	77	---	---	---	69	31	57
11	79	67	74	76	70	75	76	72	74	70	11	33
12	76	55	66	76	72	75	79	69	72	79	53	62
13	79	52	63	75	70	73	72	63	69	92	75	82
14	80	66	72	72	69	71	69	10	28	90	61	73
15	74	66	70	76	67	71	53	10	20	72	61	65
16	79	67	72	75	68	71	58	6	26	72	59	65
17	70	54	63	72	40	55	55	9	22	73	27	51
18	82	50	71	76	38	53	19	2	10	41	15	23
19	81	72	75	83	73	78	35	0	5	64	8	34
20	77	70	74	89	79	83	86	2	46	64	1	12
21	77	72	75	87	78	82	78	55	66	65	8	46
22	78	70	75	86	79	82	70	48	58	65	1	22
23	80	41	62	85	78	81	73	22	54	47	1	14
24	71	37	42	82	56	76	72	49	68	29	0	4
25	51	43	46	81	41	52	70	63	67	4	0	0
26	79	37	49	---	---	---	70	65	67	24	0	2
27	85	39	72	---	---	---	69	56	64	47	1	13
28	81	33	47	---	---	---	69	57	63	59	1	14
29	72	35	39	---	---	---	67	43	61	46	0	8
30	---	---	---	---	---	---	66	25	58	1	0	0
31	---	---	---	---	---	---	---	---	---	7	1	1
Month	85	4	54	---	---	---	---	---	---	92	0	39

02084472 PAMLICO RIVER AT WASHINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, 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	52	1	14	58	4	24	46	1	19	111	0	29
2	71	7	25	55	16	32	3	0	0	66	0	13
3	52	3	31	40	1	10	3	0	0	41	0	9
4	48	1	19	54	1	14	13	0	0	18	0	0
5	61	19	39	66	21	41	11	0	2	59	0	19
6	75	36	51	66	13	48	6	3	4	74	30	55
7	---	---	---	70	17	44	6	3	4	33	13	24
8	---	---	---	45	1	12	27	3	9	66	0	11
9	---	---	---	50	1	23	36	0	15	64	0	19
10	---	---	---	47	4	28	62	0	12	9	0	0
11	8	0	0	39	3	18	38	3	24	1	0	0
12	21	0	5	40	1	11	26	0	7	0	0	0
13	28	0	4	3	1	1	5	0	0	0	0	0
14	27	0	6	3	1	1	17	0	6	0	0	0
15	28	0	3	39	1	6	30	0	5	0	0	0
16	13	0	2	35	3	13	38	0	14	24	0	7
17	16	0	5	34	0	6	29	0	2	13	0	2
18	36	0	6	60	1	14	76	0	22	67	0	18
19	29	1	7	76	16	41	55	0	19	51	16	37
20	62	1	10	63	18	39	101	0	45	58	17	43
21	65	22	43	54	10	31	100	22	51	44	0	21
22	97	30	56	48	0	22	115	22	70	22	0	6
23	97	43	65	35	5	20	103	20	60	64	0	16
24	84	43	61	36	3	22	59	0	22	70	21	53
25	86	24	53	29	0	11	30	0	6	86	61	74
26	71	5	33	11	0	0	18	0	1	93	69	79
27	63	0	14	21	0	3	5	0	0	84	52	69
28	49	0	9	27	0	6	97	0	29	65	46	56
29	64	7	31	34	0	10	34	0	11	63	19	48
30	83	20	48	26	0	2	71	0	26	46	14	28
31	---	---	---	57	1	10	111	0	59	---	---	---
Month	---	---	---	76	0	18	115	0	18	111	0	25