



Water-Data Report 2007

02081054 ROANOKE RIVER AT WILLIAMSTON, NC

Roanoke Basin
Lower Roanoke Subbasin

LOCATION.--Lat 35°51'35", long 77°02'25" referenced to North American Datum of 1983, Martin County, NC, Hydrologic Unit 03010107, on right bank 175 ft upstream of U.S. Highway 17 bridge, .75 mi above Sweetwater Creek, and 1 mi northeast of Williamston.

DRAINAGE AREA.--9,070 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--

DISCHARGE: July 2006 to November 2007 (discontinued).

GAGE HEIGHT: December 1985 to current year.

GAGE.--Water stage recorder and acoustic velocity meter. Datum of gage is 2.86 ft below NGVD of 1929. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,400 ft³/s, December 11, 2006, maximum gage height, 11.91 ft, April 27, 2003; minimum discharge, 553 ft³/s, October 14, 2007, minimum gage height, -0.35 ft, January 4, 1989.

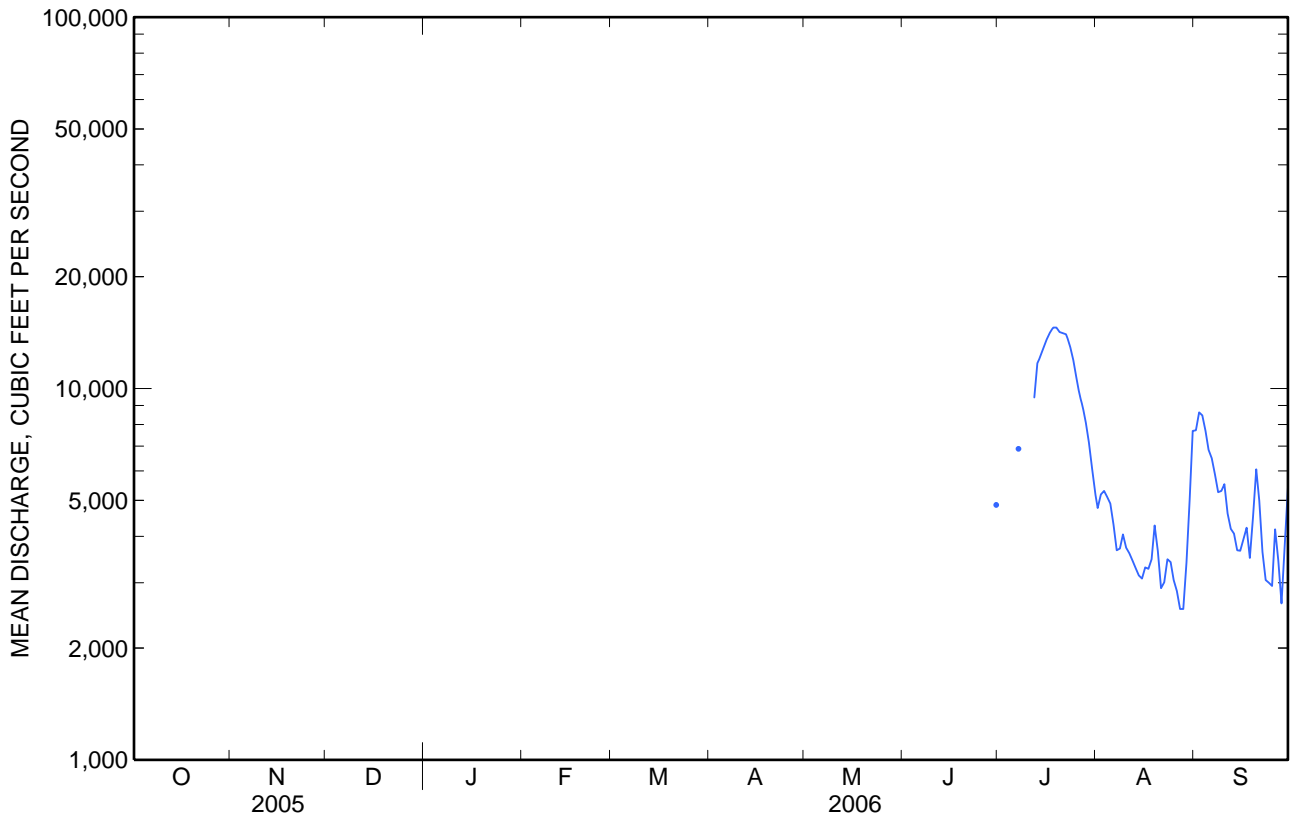
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18,400 ft³/s, December 11, 2006, maximum gage height, 11.45 ft, January 24; minimum discharge, 718 ft³/s, September 20, minimum gage height, 3.71 ft, September 19.

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	---	4,770	7,720
2	---	---	---	---	---	---	---	---	---	---	5,190	8,630
3	---	---	---	---	---	---	---	---	---	---	5,300	8,470
4	---	---	---	---	---	---	---	---	---	---	5,110	7,690
5	---	---	---	---	---	---	---	---	---	---	4,900	6,840
6	---	---	---	---	---	---	---	---	---	---	4,300	e6,490
7	---	---	---	---	---	---	---	---	---	6,880	3,670	5,870
8	---	---	---	---	---	---	---	---	---	---	3,710	5,260
9	---	---	---	---	---	---	---	---	---	---	4,050	5,300
10	---	---	---	---	---	---	---	---	---	---	3,730	5,530
11	---	---	---	---	---	---	---	---	---	---	3,600	4,610
12	---	---	---	---	---	---	---	---	---	9,460	3,440	4,190
13	---	---	---	---	---	---	---	---	---	11,700	3,280	4,070
14	---	---	---	---	---	---	---	---	---	12,300	3,140	3,670
15	---	---	---	---	---	---	---	---	---	12,900	3,080	3,660
16	---	---	---	---	---	---	---	---	---	13,600	3,300	3,930
17	---	---	---	---	---	---	---	---	---	14,200	3,270	4,220
18	---	---	---	---	---	---	---	---	---	14,600	3,470	3,500
19	---	---	---	---	---	---	---	---	---	14,600	4,280	4,520
20	---	---	---	---	---	---	---	---	---	14,200	3,650	6,060
21	---	---	---	---	---	---	---	---	---	14,100	2,900	4,990
22	---	---	---	---	---	---	---	---	---	14,000	3,010	3,630
23	---	---	---	---	---	---	---	---	---	13,200	3,470	3,050
24	---	---	---	---	---	---	---	---	---	12,300	3,410	3,000
25	---	---	---	---	---	---	---	---	---	11,100	3,050	2,940
26	---	---	---	---	---	---	---	---	---	9,890	2,850	4,180
27	---	---	---	---	---	---	---	---	---	9,120	2,550	3,440
28	---	---	---	---	---	---	---	---	---	8,310	2,550	2,640
29	---	---	---	---	---	---	---	---	---	7,370	3,400	3,780
30	---	---	---	---	---	---	---	---	4,860	6,430	5,030	5,400
31	---	---	---	---	---	---	---	---	---	5,380	7,690	---

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued



02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

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

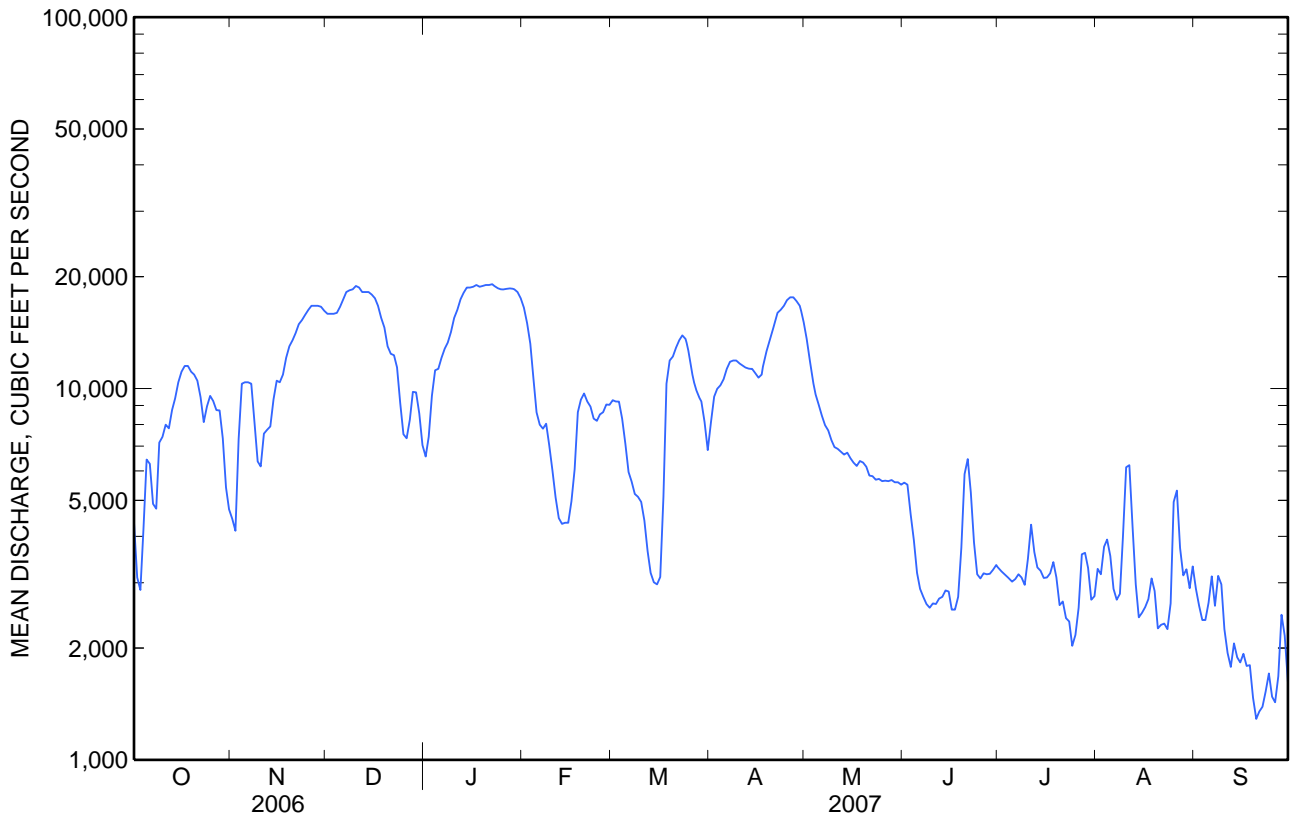
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4,360	4,460	15,900	6,560	16,500	9,300	8,110	13,900	5,580	e3,260	3,270	2,890
2	3,100	4,140	15,900	7,410	15,000	9,230	9,510	12,300	5,510	e3,200	3,160	2,600
3	2,870	7,310	15,900	9,570	13,200	9,220	9,980	10,700	4,590	3,140	3,750	2,380
4	4,170	10,300	16,000	11,200	10,700	8,290	10,200	9,640	3,910	3,080	3,920	2,380
5	6,440	10,400	16,600	11,300	8,630	7,100	10,600	9,060	3,190	3,020	3,540	2,650
6	6,270	10,400	17,400	12,100	7,990	5,960	11,300	8,460	2,890	3,070	2,890	3,120
7	4,890	10,300	18,200	12,800	7,800	5,620	11,800	7,970	2,750	3,160	2,700	2,600
8	4,750	8,110	18,400	13,300	8,040	5,200	11,900	7,710	2,630	3,100	2,800	3,130
9	7,150	6,360	18,500	14,200	7,050	5,110	11,900	7,260	2,570	2,960	4,000	2,970
10	7,410	6,170	18,900	15,500	6,030	4,950	11,700	6,960	2,640	3,480	6,140	2,250
11	7,990	7,560	18,700	16,300	5,090	4,410	11,500	6,880	2,630	4,300	6,220	1,940
12	7,810	7,740	18,200	17,400	4,480	3,650	11,400	6,760	2,720	3,630	4,250	1,780
13	8,760	7,910	18,200	18,100	4,320	3,190	11,300	6,640	2,750	3,300	2,970	2,060
14	9,410	9,350	18,200	18,700	4,350	3,010	11,300	6,720	2,860	3,230	2,420	1,890
15	10,400	10,500	17,900	18,700	4,350	2,970	11,000	6,490	2,840	3,090	2,490	1,830
16	11,100	10,400	17,500	18,800	4,970	3,110	10,700	6,320	2,540	3,100	2,580	1,930
17	11,500	10,900	16,700	19,000	6,060	5,110	10,900	6,190	2,540	3,180	2,710	1,790
18	11,500	12,100	15,500	18,800	8,640	10,300	12,100	6,380	2,750	3,410	3,080	1,800
19	11,100	13,000	14,600	18,900	9,330	11,900	13,000	6,320	3,730	3,100	2,850	1,470
20	10,900	13,500	13,000	19,000	9,700	12,200	13,900	6,160	5,880	2,610	2,260	1,290
21	10,500	14,100	12,400	19,000	9,230	12,900	14,900	5,830	6,460	2,670	2,310	1,350
22	9,480	14,900	12,300	19,100	8,940	13,500	16,000	5,810	5,260	2,410	2,330	1,390
23	8,120	15,300	11,400	18,800	8,300	13,900	16,300	5,680	3,850	2,360	2,250	1,530
24	8,950	15,800	9,130	18,600	8,190	13,600	16,700	5,710	3,160	2,030	2,640	1,710
25	9,560	16,300	7,530	18,500	8,520	12,400	17,300	5,630	3,080	2,170	4,950	1,480
26	9,260	16,700	7,350	18,500	8,640	11,200	17,600	5,650	3,180	2,570	5,310	1,430
27	8,750	16,700	8,240	18,600	9,060	10,100	17,600	5,630	3,160	3,580	3,720	1,680
28	8,730	16,700	9,800	18,600	9,040	9,590	17,200	5,670	3,170	3,610	3,140	2,460
29	7,340	16,600	9,770	18,500	---	9,230	16,700	5,590	3,250	3,290	3,260	2,160
30	5,420	16,200	8,570	18,200	---	8,130	15,500	5,590	3,350	2,700	2,900	1,620
31	4,730	---	7,040	17,500	---	6,830	---	5,510	---	2,760	3,320	---

SUMMARY STATISTICS

Water Years 2006 - 2007	
Highest daily mean	19,100 Jan 22, 2007
Lowest daily mean	1,290 Sep 20, 2007
Annual seven-day minimum	1,450 Sep 20, 2007
Maximum peak flow	20,200 Dec 11, 2006
Maximum peak stage	11.45 Jan 24, 2007
Instantaneous low flow	597 Sep 20, 2007
10 percent exceeds	16,700
50 percent exceeds	7,100
90 percent exceeds	2,570

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued



02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

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

***** THESE DATA ARE NOT FLAGGED "APPROVED" IN THE DATABASE *****

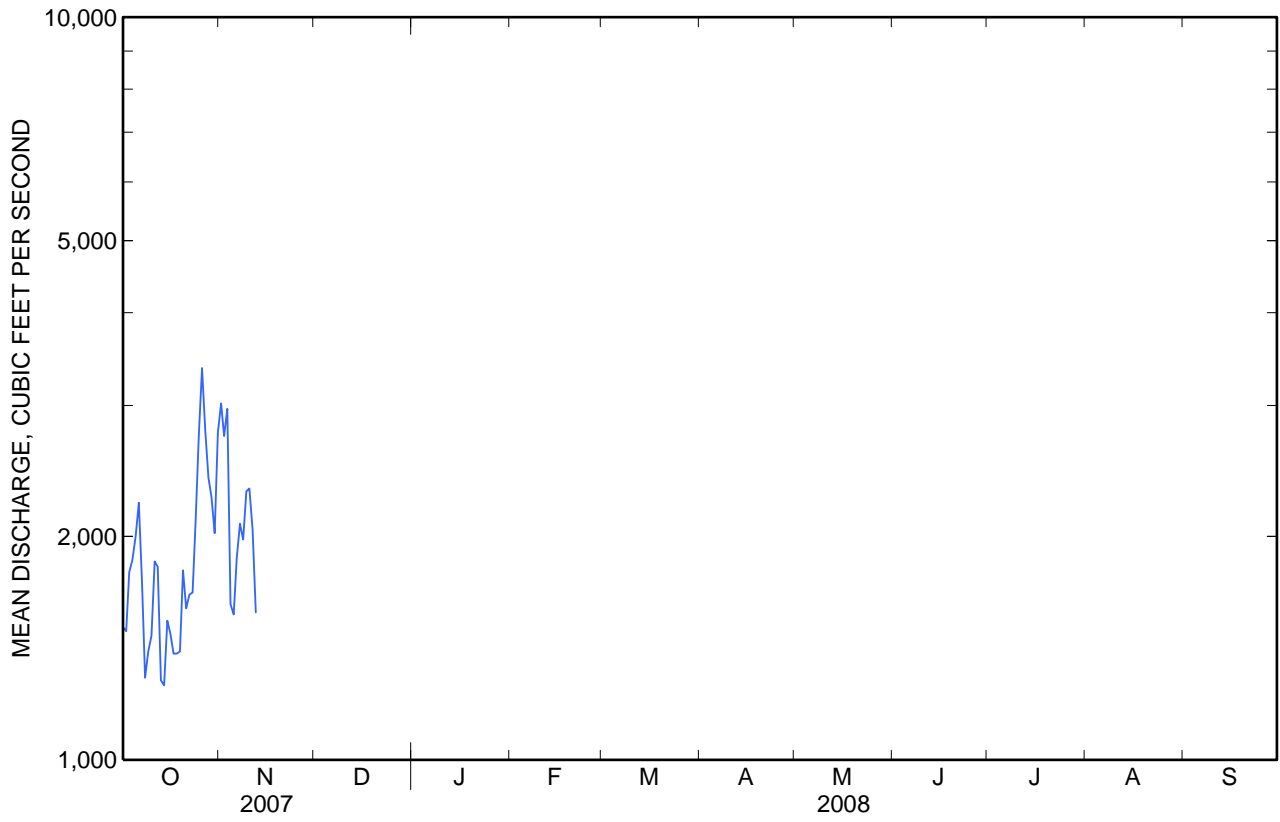
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,510	3,020	---	---	---	---	---	---	---	---	---	---
2	1,490	2,730	---	---	---	---	---	---	---	---	---	---
3	1,790	2,970	---	---	---	---	---	---	---	---	---	---
4	1,860	1,620	---	---	---	---	---	---	---	---	---	---
5	2,000	1,570	---	---	---	---	---	---	---	---	---	---
6	2,220	1,870	---	---	---	---	---	---	---	---	---	---
7	1,730	2,080	---	---	---	---	---	---	---	---	---	---
8	1,290	1,980	---	---	---	---	---	---	---	---	---	---
9	1,400	2,300	---	---	---	---	---	---	---	---	---	---
10	1,470	2,320	---	---	---	---	---	---	---	---	---	---
11	1,850	2,040	---	---	---	---	---	---	---	---	---	---
12	1,820	1,580	---	---	---	---	---	---	---	---	---	---
13	1,280	---	---	---	---	---	---	---	---	---	---	---
14	1,260	---	---	---	---	---	---	---	---	---	---	---
15	1,540	---	---	---	---	---	---	---	---	---	---	---
16	1,480	---	---	---	---	---	---	---	---	---	---	---
17	1,390	---	---	---	---	---	---	---	---	---	---	---
18	1,390	---	---	---	---	---	---	---	---	---	---	---
19	1,400	---	---	---	---	---	---	---	---	---	---	---
20	1,800	---	---	---	---	---	---	---	---	---	---	---
21	1,600	---	---	---	---	---	---	---	---	---	---	---
22	1,670	---	---	---	---	---	---	---	---	---	---	---
23	1,680	---	---	---	---	---	---	---	---	---	---	---
24	2,100	---	---	---	---	---	---	---	---	---	---	---
25	e2,740	---	---	---	---	---	---	---	---	---	---	---
26	3,370	---	---	---	---	---	---	---	---	---	---	---
27	2,780	---	---	---	---	---	---	---	---	---	---	---
28	2,400	---	---	---	---	---	---	---	---	---	---	---
29	2,260	---	---	---	---	---	---	---	---	---	---	---
30	2,020	---	---	---	---	---	---	---	---	---	---	---
31	2,760	---	---	---	---	---	---	---	---	---	---	---

SUMMARY STATISTICS

Water Years 2006 - 2008	
Highest daily mean	19,100 Jan 22, 2007
Lowest daily mean	1,260 Oct 14, 2007
Annual seven-day minimum	1,390 Oct 13, 2007
Maximum peak flow	18,400 Dec 11, 2006
Maximum peak stage	11.45 Jan 24, 2007
Instantaneous low flow	417 Oct 14, 2007
10 percent exceeds	16,700
50 percent exceeds	7,100
90 percent exceeds	2,570

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

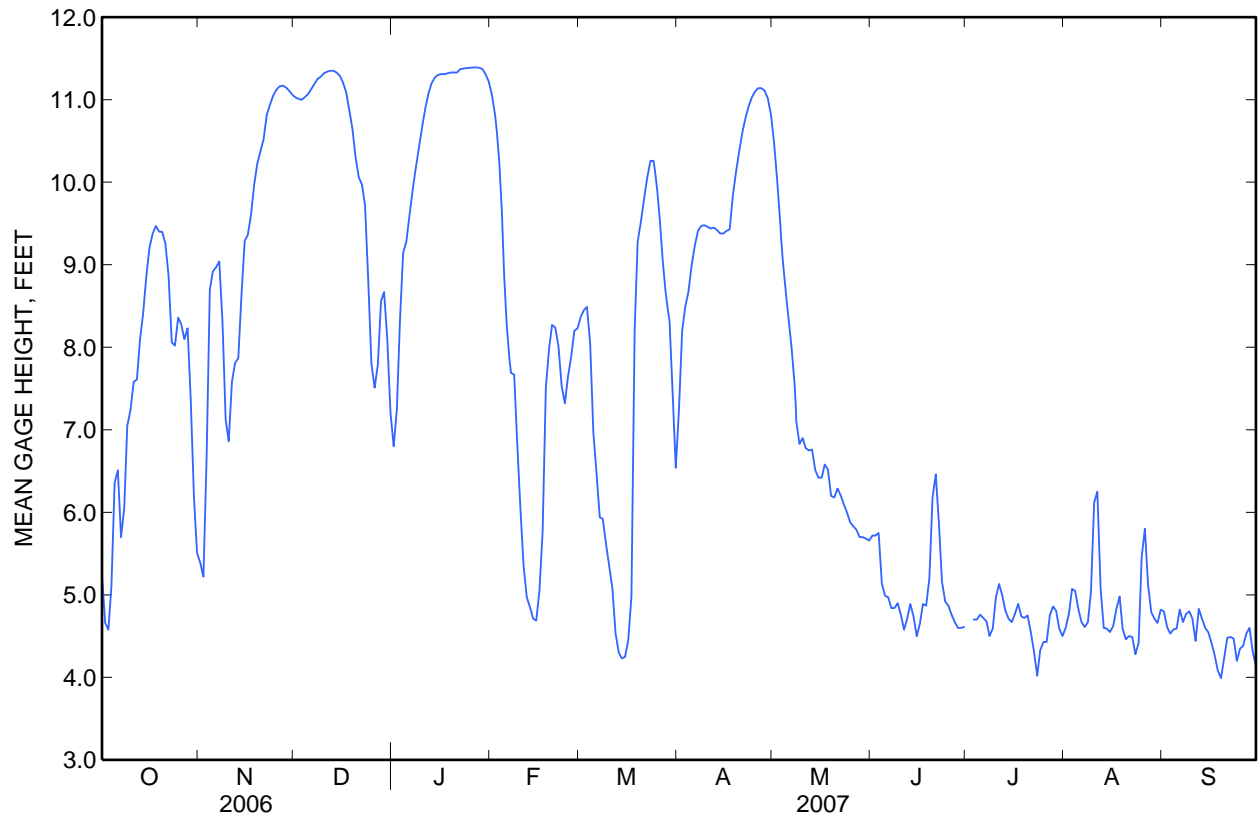


02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.23	5.39	11.03	6.80	11.06	8.37	7.24	10.49	5.72	---	4.60	4.80
2	4.66	5.22	11.01	7.25	10.81	8.45	8.20	10.02	5.72	---	4.77	4.61
3	4.58	6.68	11.00	8.31	10.43	8.49	8.50	9.48	5.75	4.70	5.07	4.53
4	5.11	8.70	11.03	9.14	9.73	8.05	8.67	8.97	5.14	4.70	5.05	4.58
5	6.36	8.92	11.07	9.28	8.79	6.97	8.99	8.52	4.99	4.76	4.83	4.59
6	6.51	8.97	11.13	9.60	8.10	6.47	9.23	8.21	4.97	4.72	4.67	4.82
7	5.70	9.04	11.19	9.91	7.69	5.94	9.41	7.80	4.84	4.68	4.61	4.67
8	6.05	8.31	11.25	10.17	7.67	5.92	9.47	7.11	4.84	4.50	4.67	4.77
9	7.05	7.12	11.28	10.42	6.85	5.62	9.48	6.83	4.90	4.59	5.04	4.80
10	7.24	6.86	11.32	10.67	6.05	5.35	9.46	6.90	4.76	4.97	6.12	4.71
11	7.58	7.58	11.34	10.90	5.35	5.08	9.44	6.78	4.58	5.13	6.25	4.44
12	7.61	7.81	11.35	11.08	4.97	4.53	9.45	6.75	4.71	4.99	5.09	4.83
13	8.10	7.87	11.35	11.20	4.85	4.30	9.42	6.76	4.89	4.81	4.60	4.71
14	8.41	8.64	11.33	11.27	4.71	4.23	9.38	6.51	4.74	4.71	4.59	4.60
15	8.86	9.29	11.29	11.30	4.69	4.25	9.38	6.42	4.50	4.67	4.55	4.55
16	9.21	9.36	11.21	11.31	5.05	4.45	9.41	6.42	4.65	4.77	4.62	4.42
17	9.38	9.60	11.09	11.31	5.77	4.98	9.43	6.58	4.89	4.89	4.83	4.27
18	9.47	9.97	10.88	11.32	7.51	8.20	9.84	6.52	4.87	4.74	4.98	4.08
19	9.40	10.23	10.65	11.33	7.98	9.28	10.13	6.20	5.20	4.72	4.59	3.99
20	9.40	10.38	10.30	11.33	8.27	9.52	10.37	6.18	6.18	4.75	4.46	4.24
21	9.26	10.52	10.06	11.33	8.24	9.80	10.60	6.29	6.46	4.55	4.50	4.48
22	8.87	10.82	9.97	11.37	8.01	10.06	10.78	6.21	5.86	4.31	4.49	4.49
23	8.06	10.94	9.72	11.38	7.53	10.26	10.92	6.10	5.16	4.02	4.28	4.47
24	8.02	11.05	8.81	11.38	7.32	10.26	11.03	6.00	4.92	4.33	4.42	4.20
25	8.36	11.12	7.80	11.39	7.64	9.98	11.10	5.88	4.87	4.43	5.46	4.35
26	8.28	11.16	7.51	11.39	7.88	9.51	11.14	5.83	4.76	4.43	5.80	4.38
27	8.10	11.17	7.79	11.39	8.20	8.98	11.14	5.79	4.67	4.75	5.12	4.53
28	8.23	11.15	8.56	11.39	8.23	8.62	11.11	5.70	4.60	4.86	4.79	4.60
29	7.35	11.11	8.67	11.37	---	8.32	11.02	5.70	4.60	4.81	4.71	4.31
30	6.17	11.06	8.10	11.31	---	7.47	10.82	5.68	4.61	4.59	4.66	4.14
31	5.51	---	7.21	11.22	---	6.54	---	5.66	---	4.50	4.82	---
Mean	7.49	9.20	10.20	10.61	7.48	7.36	9.82	6.91	5.04	---	4.87	4.50
Max	9.47	11.17	11.35	11.39	11.06	10.26	11.14	10.49	6.46	---	6.25	4.83
Min	4.58	5.22	7.21	6.80	4.69	4.23	7.24	5.66	4.50	---	4.28	3.99

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued



02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.-- Water years 2006 to 2008.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June to September 2006, March to November 2007.

pH: June to September 2006, March to November 2007.

WATER TEMPERATURE: June to September 2006, March to November 2007.

DISSOLVED OXYGEN: June to September 2006, March to November 2007.

DISSOLVED OXYGEN, PERCENT SATURATION: June to September 2006, March to November 2007.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from June to September 2006, March to November 2007.

REMARKS.--Station operated in cooperation with the U.S. Army Corps of Engineers. Dissolved oxygen, percent saturation is computed using a barometric pressure of 760 mm of Hg. Water-quality measurements and samples for water years 2006-2008, were collected by the U.S. Geological Survey and the North Carolina Department of Environment and Natural Resources, Division of Water Quality.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 157 microsiemens, October 23, 2007; minimum recorded, 80 microsiemens, September 5, 2007.

pH: Maximum recorded, 8.0 standard units, October 2, 2007; minimum recorded, 6.1 standard units, September 4, 5, 6, 2007.

WATER TEMPERATURE: Maximum recorded, 30.8°C, August 6, 2006, August 9, 2007; minimum recorded, 9.4°C, March 20, 21, 2007.

DISSOLVED OXYGEN: Maximum recorded, 11.0 mg/L, March 20, 2007; minimum recorded, 3.9 mg/L, September 5, 2006.

DISSOLVED OXYGEN, PERCENT SATURATION: Maximum recorded, 105%, October 2, 2007; minimum recorded, 47%, September 5, 2006.

EXTREMES FOR CURRENT PERIOD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 157 microsiemens, October 23, 2007; minimum recorded, 91 microsiemens, March 20, 21, 2007.

pH: Maximum recorded, 8.0 standard units, October 2, 2007; minimum recorded, 6.5 standard units, March 31, 2007, April 2, 2007, May 2, 2007.

WATER TEMPERATURE: Maximum recorded, 30.8°C, August 9, 2007; minimum recorded, 9.4°C, March 20, 21, 2007.

DISSOLVED OXYGEN: Maximum recorded, 11.0 mg/L, March 20, 2007; minimum recorded, 4.7 mg/L, August 27, 2007.

DISSOLVED OXYGEN, PERCENT SATURATION: Maximum recorded, 105%, October 2, 2007; minimum recorded, 61%, August 27, 31, 2007.

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

[Remark codes: <, less than.]

Date	Time	Sample type	Instan- taneous dis- charge, cfs (00061)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, wat unf µS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Sus- pended sedi- ment concen- tration mg/L (80154)
Oct									
16...	0955	Environmental	11,500	8.0	7.8	116	19.7	<2.0	--
Nov									
08...	0900	Environmental	7,970	9.1	7.0	90	14.7	<1.0	27
08...	0915	<i>Replicate</i>	7,970	9.1	7.0	90	14.7	<1.0	--
Apr									
05...	0810	Environmental	11,300	9.4	7.1	99	15.6	<1.0	39
16...	1030	Environmental	10,800	9.2	6.8	98	14.6	<1.0	--
May									
03...	1230	Environmental	10,500	7.1	6.7	104	19.8	<2.0	23
14...	1120	Environmental	7,020	7.3	6.8	94	20.0	<1.0	--
31...	1245	Environmental	5,330	7.9	7.3	109	24.2	1.2	45
Jun									
13...	0840	Environmental	2,890	6.5	6.9	118	27.4	<1.0	--
28...	0830	Environmental	3,220	6.8	7.2	118	27.6	<2.0	18
Jul									
17...	0900	Environmental	3,010	6.8	6.9	121	28.7	<1.0	--
Aug									
01...	1515	Environmental	3,330	6.7	7.2	116	28.3	<1.0	14
13...	0910	Environmental	3,060	6.2	6.4	103	28.3	<1.0	--
Sep									
06...	0930	Environmental	3,320	7.5	7.4	139	27.2	<1.0	17
17...	1115	Environmental	1,840	7.3	7.4	137	26.4	<1.0	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

[Remark codes: <, less than.]

Date	Time	Instan- taneous dis- charge, cfs (00061)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, wat unf µS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Sus- pended sedi- ment concen- tration mg/L (80154)
Oct								
03...	1345	1,630	9.9	7.1	129	24.0	<1.0	10
17...	0915	1,140	7.6	6.7	137	21.1	<1.0	--
Nov								
07...	1410	1,710	8.9	7.3	123	15.6	<1.0	10

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	136	122	129	112	108	109	---	---	---	---	---	---
2	122	116	118	116	112	114	---	---	---	---	---	---
3	125	117	118	117	111	115	---	---	---	---	---	---
4	132	120	124	118	106	112	---	---	---	---	---	---
5	134	126	131	106	105	106	---	---	---	---	---	---
6	127	114	120	108	105	106	---	---	---	---	---	---
7	122	114	117	108	105	105	---	---	---	---	---	---
8	115	113	114	107	104	104	---	---	---	---	---	---
9	125	113	118	---	---	---	---	---	---	---	---	---
10	119	111	114	---	---	---	---	---	---	---	---	---
11	119	110	112	---	---	---	---	---	---	---	---	---
12	120	110	113	---	---	---	---	---	---	---	---	---
13	116	110	112	---	---	---	---	---	---	---	---	---
14	116	111	112	---	---	---	---	---	---	---	---	---
15	114	110	111	---	---	---	---	---	---	---	---	---
16	112	110	111	---	---	---	---	---	---	---	---	---
17	111	111	111	---	---	---	---	---	---	---	---	---
18	112	110	111	---	---	---	---	---	---	---	---	---
19	115	112	113	---	---	---	---	---	---	---	---	---
20	117	112	113	---	---	---	---	---	---	---	---	---
21	117	112	113	---	---	---	---	---	---	---	---	---
22	114	111	112	---	---	---	---	---	---	---	---	---
23	115	111	113	---	---	---	---	---	---	---	---	---
24	117	111	113	---	---	---	---	---	---	---	---	---
25	117	111	114	---	---	---	---	---	---	---	---	---
26	111	108	109	---	---	---	---	---	---	---	---	---
27	112	108	109	---	---	---	---	---	---	---	---	---
28	112	107	109	---	---	---	---	---	---	---	---	---
29	112	107	109	---	---	---	---	---	---	---	---	---
30	111	108	109	---	---	---	---	---	---	---	---	---
31	108	107	108	---	---	---	---	---	---	---	---	---
Month	136	107	114	---	---	---	---	---	---	---	---	---

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	108	104	105	102	96	99
2	---	---	---	---	---	---	109	98	105	105	101	103
3	---	---	---	---	---	---	99	97	98	105	104	105
4	---	---	---	---	---	---	97	96	97	106	105	105
5	---	---	---	---	---	---	97	96	96	107	105	106
6	---	---	---	---	---	---	97	96	96	107	105	106
7	---	---	---	---	---	---	96	96	96	106	106	106
8	---	---	---	---	---	---	97	95	96	107	106	106
9	---	---	---	---	---	---	99	96	97	108	106	107
10	---	---	---	---	---	---	100	98	99	108	106	107
11	---	---	---	---	---	---	100	99	99	108	106	107
12	---	---	---	---	---	---	100	99	100	108	107	108
13	---	---	---	---	---	---	100	98	99	109	108	108
14	---	---	---	---	---	---	100	98	99	108	107	107
15	---	---	---	---	---	---	99	96	98	108	107	108
16	---	---	---	---	---	---	98	95	97	109	108	108
17	---	---	---	---	---	---	99	97	98	108	106	108
18	---	---	---	---	---	---	99	96	98	107	106	107
19	---	---	---	---	---	---	96	93	94	107	106	106
20	---	---	---	---	---	---	97	93	96	108	106	107
21	---	---	---	92	91	92	99	97	98	108	106	107
22	---	---	---	94	92	93	99	97	98	108	107	107
23	---	---	---	95	93	94	97	96	97	108	106	107
24	---	---	---	95	94	94	97	96	96	108	106	107
25	---	---	---	96	94	95	97	96	96	108	107	108
26	---	---	---	100	96	98	97	95	96	108	106	107
27	---	---	---	103	100	101	96	95	96	107	105	106
28	---	---	---	104	102	103	96	95	96	108	105	107
29	---	---	---	106	103	104	96	95	95	109	105	107
30	---	---	---	107	102	105	97	95	96	108	105	107
31	---	---	---	107	103	104	---	---	---	108	106	107
Month	---	---	---	---	---	---	109	93	98	109	96	106

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	108	106	107	---	---	---	119	108	114	121	112	116
2	108	106	107	---	---	---	122	112	119	126	119	123
3	108	105	107	110	107	109	121	112	119	125	113	119
4	107	106	107	111	108	110	115	109	113	126	113	121
5	107	106	107	112	110	111	116	107	113	128	118	122
6	108	107	107	112	111	112	114	107	112	130	127	128
7	113	108	111	113	111	112	114	107	110	128	126	127
8	113	112	113	114	112	113	115	109	113	---	---	---
9	115	111	113	114	112	113	119	111	117	---	---	---
10	113	112	112	114	111	112	120	116	118	---	---	---
11	114	108	112	115	112	113	116	106	112	---	---	---
12	113	107	109	115	111	113	115	106	111	125	114	117
13	119	113	116	113	104	110	109	106	107	128	116	122
14	120	116	118	110	102	106	108	106	107	133	116	125
15	118	115	117	115	109	113	119	107	112	136	130	135
16	117	115	116	116	115	115	121	119	120	137	134	136
17	117	116	117	117	106	116	123	120	122	137	134	136
18	118	115	117	117	114	116	124	116	120	135	127	131
19	121	117	118	116	114	115	117	116	116	138	135	137
20	121	117	118	116	112	114	118	116	117	139	136	137
21	117	107	113	114	112	113	119	111	116	139	138	139
22	114	104	109	116	113	114	122	110	115	140	138	139
23	107	104	105	119	115	118	124	121	122	141	138	140
24	116	106	113	121	119	120	126	123	125	144	140	142
25	114	107	109	122	120	121	126	122	124	150	143	147
26	120	114	118	122	120	121	127	111	121	150	149	149
27	120	118	119	123	120	121	116	107	112	150	148	149
28	122	116	120	124	121	122	111	105	107	149	145	148
29	117	115	116	124	109	119	112	105	107	145	142	143
30	117	103	110	120	107	112	122	112	120	147	143	145
31	---	---	---	120	109	113	122	117	120	---	---	---
Month	122	103	113	---	---	---	127	105	116	---	---	---

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—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	147	144	145	140	132	137	---	---	---	---	---	---
2	145	129	139	136	134	135	---	---	---	---	---	---
3	129	120	122	134	125	129	---	---	---	---	---	---
4	145	125	139	125	117	119	---	---	---	---	---	---
5	154	138	149	133	118	127	---	---	---	---	---	---
6	150	148	149	132	120	125	---	---	---	---	---	---
7	151	143	149	135	122	128	---	---	---	---	---	---
8	145	141	143	136	124	133	---	---	---	---	---	---
9	---	---	---	138	136	137	---	---	---	---	---	---
10	---	---	---	137	135	136	---	---	---	---	---	---
11	---	---	---	137	127	132	---	---	---	---	---	---
12	---	---	---	137	134	136	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	150	139	144	---	---	---	---	---	---	---	---	---
18	150	139	144	---	---	---	---	---	---	---	---	---
19	153	146	151	---	---	---	---	---	---	---	---	---
20	154	150	152	---	---	---	---	---	---	---	---	---
21	150	148	149	---	---	---	---	---	---	---	---	---
22	154	149	151	---	---	---	---	---	---	---	---	---
23	157	154	156	---	---	---	---	---	---	---	---	---
24	156	154	155	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	146	139	143	---	---	---	---	---	---	---	---	---
27	141	119	130	---	---	---	---	---	---	---	---	---
28	135	119	129	---	---	---	---	---	---	---	---	---
29	134	122	129	---	---	---	---	---	---	---	---	---
30	122	118	119	---	---	---	---	---	---	---	---	---
31	135	121	130	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—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	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—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	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

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

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	7.2	7.1	7.2	6.8	6.7	6.8	---	---	---	---	---	---
2	7.2	7.1	7.1	6.8	6.7	6.8	---	---	---	---	---	---
3	7.1	7.1	7.1	7.0	6.8	6.9	---	---	---	---	---	---
4	7.2	7.1	7.2	7.2	7.0	7.2	---	---	---	---	---	---
5	7.2	7.2	7.2	7.3	7.2	7.3	---	---	---	---	---	---
6	7.2	7.2	7.2	7.3	7.2	7.2	---	---	---	---	---	---
7	7.2	7.2	7.2	7.2	7.2	7.2	---	---	---	---	---	---
8	7.2	7.2	7.2	7.2	6.9	7.0	---	---	---	---	---	---
9	7.2	7.1	7.2	---	---	---	---	---	---	---	---	---
10	7.1	7.0	7.1	---	---	---	---	---	---	---	---	---
11	7.1	7.1	7.1	---	---	---	---	---	---	---	---	---
12	7.2	7.1	7.2	---	---	---	---	---	---	---	---	---
13	7.2	7.2	7.2	---	---	---	---	---	---	---	---	---
14	7.2	7.2	7.2	---	---	---	---	---	---	---	---	---
15	7.3	7.2	7.2	---	---	---	---	---	---	---	---	---
16	7.3	7.2	7.2	---	---	---	---	---	---	---	---	---
17	7.3	7.2	7.2	---	---	---	---	---	---	---	---	---
18	7.2	7.1	7.1	---	---	---	---	---	---	---	---	---
19	7.1	7.0	7.1	---	---	---	---	---	---	---	---	---
20	7.1	7.0	7.0	---	---	---	---	---	---	---	---	---
21	7.1	7.0	7.0	---	---	---	---	---	---	---	---	---
22	7.0	6.8	6.9	---	---	---	---	---	---	---	---	---
23	6.8	6.8	6.8	---	---	---	---	---	---	---	---	---
24	7.0	6.8	6.9	---	---	---	---	---	---	---	---	---
25	7.1	7.0	7.1	---	---	---	---	---	---	---	---	---
26	7.1	7.1	7.1	---	---	---	---	---	---	---	---	---
27	7.1	7.0	7.0	---	---	---	---	---	---	---	---	---
28	7.1	7.0	7.1	---	---	---	---	---	---	---	---	---
29	7.1	6.9	7.0	---	---	---	---	---	---	---	---	---
30	6.9	6.8	6.8	---	---	---	---	---	---	---	---	---
31	6.8	6.8	6.8	---	---	---	---	---	---	---	---	---
Max	7.3	7.2	7.2	---	---	---	---	---	---	---	---	---
Min	6.8	6.8	6.8	---	---	---	---	---	---	---	---	---

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

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

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	---	---	---	---	---	---	6.6	6.5	6.6	6.7	6.7	6.7
2	---	---	---	---	---	---	6.9	6.5	6.8	6.8	6.5	6.7
3	---	---	---	---	---	---	6.9	6.7	6.8	6.8	6.6	6.6
4	---	---	---	---	---	---	7.0	6.7	6.9	6.7	6.6	6.6
5	---	---	---	---	---	---	7.1	7.0	7.1	6.7	6.6	6.7
6	---	---	---	---	---	---	7.1	7.0	7.1	6.8	6.7	6.7
7	---	---	---	---	---	---	7.1	7.0	7.1	6.8	6.7	6.7
8	---	---	---	---	---	---	7.1	7.1	7.1	6.8	6.8	6.8
9	---	---	---	---	---	---	7.1	7.0	7.0	6.8	6.8	6.8
10	---	---	---	---	---	---	7.0	7.0	7.0	6.8	6.8	6.8
11	---	---	---	---	---	---	7.1	7.0	7.0	6.9	6.8	6.8
12	---	---	---	---	---	---	7.1	7.0	7.0	6.8	6.8	6.8
13	---	---	---	---	---	---	7.1	7.0	7.0	6.9	6.8	6.8
14	---	---	---	---	---	---	7.0	7.0	7.0	6.9	6.8	6.9
15	---	---	---	---	---	---	7.0	6.9	7.0	6.9	6.8	6.9
16	---	---	---	---	---	---	6.9	6.9	6.9	6.9	6.8	6.9
17	---	---	---	---	---	---	6.9	6.9	6.9	7.0	6.9	6.9
18	---	---	---	---	---	---	7.1	6.9	7.0	7.0	6.9	6.9
19	---	---	---	---	---	---	7.2	7.1	7.2	7.0	6.9	6.9
20	---	---	---	---	---	---	7.2	7.2	7.2	7.0	6.9	6.9
21	---	---	---	7.2	7.1	7.2	7.2	7.1	7.1	7.0	6.9	6.9
22	---	---	---	7.1	6.9	7.0	7.1	6.9	7.0	7.0	6.9	7.0
23	---	---	---	7.1	6.9	7.1	7.0	6.7	6.9	7.1	7.0	7.0
24	---	---	---	7.1	6.8	7.0	6.8	6.7	6.8	7.1	7.1	7.1
25	---	---	---	6.8	6.7	6.8	6.8	6.7	6.8	7.1	7.0	7.1
26	---	---	---	6.7	6.6	6.7	6.8	6.7	6.8	7.1	7.0	7.0
27	---	---	---	6.7	6.6	6.6	6.8	6.7	6.8	7.1	7.0	7.1
28	---	---	---	6.8	6.6	6.7	6.7	6.6	6.7	7.2	7.0	7.1
29	---	---	---	6.7	6.6	6.6	6.8	6.6	6.7	7.3	6.9	7.1
30	---	---	---	6.7	6.6	6.6	6.8	6.7	6.7	7.1	7.0	7.1
31	---	---	---	6.6	6.5	6.6	---	---	---	7.1	7.1	7.1
Max	---	---	---	---	---	---	7.2	7.2	7.2	7.3	7.1	7.1
Min	---	---	---	---	---	---	6.6	6.5	6.6	6.7	6.5	6.6

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

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

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	7.1	7.1	7.1	---	---	---	7.1	7.1	7.1	7.3	7.2	7.3
2	7.1	7.0	7.1	---	---	---	7.2	7.1	7.1	7.3	7.3	7.3
3	7.1	7.0	7.0	6.8	6.8	6.8	7.2	7.1	7.1	7.3	7.2	7.3
4	7.1	7.0	7.1	6.9	6.8	6.8	7.1	7.1	7.1	7.3	7.2	7.3
5	7.1	6.9	7.0	6.8	6.8	6.8	7.1	7.1	7.1	7.3	7.3	7.3
6	7.1	6.9	7.1	6.8	6.8	6.8	7.1	7.0	7.1	7.3	7.2	7.3
7	7.1	7.0	7.1	6.8	6.8	6.8	7.1	7.0	7.1	7.3	7.3	7.3
8	7.1	7.0	7.1	6.8	6.7	6.8	7.1	7.0	7.1	---	---	---
9	7.2	7.1	7.1	6.9	6.8	6.8	7.1	7.0	7.1	---	---	---
10	7.2	7.1	7.2	6.9	6.8	6.9	7.1	7.0	7.1	---	---	---
11	7.2	7.1	7.1	7.0	6.9	7.0	7.0	6.9	7.0	---	---	---
12	7.2	7.0	7.1	7.0	7.0	7.0	7.0	6.9	7.0	7.2	7.1	7.2
13	7.0	7.0	7.0	7.0	6.9	7.0	7.0	6.9	6.9	7.3	7.2	7.2
14	7.0	7.0	7.0	7.0	6.9	7.0	7.1	7.0	7.0	7.2	7.1	7.2
15	7.0	7.0	7.0	7.0	6.9	6.9	7.2	7.1	7.1	7.3	7.2	7.2
16	7.0	7.0	7.0	7.0	7.0	7.0	7.2	7.1	7.2	7.2	7.2	7.2
17	7.0	6.9	7.0	7.0	7.0	7.0	7.2	7.1	7.2	7.2	7.2	7.2
18	7.0	6.9	6.9	7.0	7.0	7.0	7.2	7.2	7.2	7.2	7.0	7.2
19	7.0	6.9	6.9	7.0	7.0	7.0	7.2	7.2	7.2	7.2	7.1	7.2
20	6.9	6.8	6.9	7.0	7.0	7.0	7.2	7.2	7.2	7.2	7.1	7.1
21	6.9	6.8	6.8	7.0	7.0	7.0	7.2	7.2	7.2	7.2	7.0	7.1
22	6.8	6.8	6.8	7.0	6.9	7.0	7.3	7.2	7.2	7.2	7.0	7.1
23	6.8	6.8	6.8	7.0	7.0	7.0	7.3	7.3	7.3	7.1	7.0	7.1
24	6.8	6.8	6.8	7.0	7.0	7.0	7.4	7.3	7.3	7.2	7.0	7.1
25	6.8	6.8	6.8	7.1	7.0	7.0	7.4	7.3	7.3	7.2	7.0	7.1
26	6.9	6.8	6.8	7.1	7.0	7.0	7.3	7.2	7.2	7.2	7.0	7.1
27	6.9	6.8	6.8	7.1	7.0	7.0	7.2	7.1	7.1	7.1	7.1	7.1
28	6.9	6.9	6.9	7.1	7.0	7.1	7.2	7.1	7.1	7.2	7.1	7.2
29	6.9	6.8	6.9	7.1	7.0	7.1	7.3	7.2	7.2	7.2	7.1	7.2
30	6.9	6.8	6.8	7.1	7.0	7.1	7.3	7.2	7.3	7.3	7.1	7.2
31	---	---	---	7.1	7.0	7.1	7.3	7.2	7.2	---	---	---
Max	7.2	7.1	7.2	---	---	---	7.4	7.3	7.3	---	---	---
Min	6.8	6.8	6.8	---	---	---	7.0	6.9	6.9	---	---	---

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

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

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	7.2	7.1	7.1	7.1	7.1	7.1	---	---	---	---	---	---
2	8.0	7.1	7.3	7.1	7.1	7.1	---	---	---	---	---	---
3	7.7	7.2	7.2	7.1	7.1	7.1	---	---	---	---	---	---
4	7.3	7.2	7.2	7.1	7.1	7.1	---	---	---	---	---	---
5	7.3	7.2	7.2	7.1	7.1	7.1	---	---	---	---	---	---
6	7.3	7.2	7.2	7.2	7.1	7.1	---	---	---	---	---	---
7	7.4	7.1	7.2	7.2	7.1	7.2	---	---	---	---	---	---
8	7.4	7.0	7.2	7.2	7.2	7.2	---	---	---	---	---	---
9	7.3	7.1	7.2	7.2	7.2	7.2	---	---	---	---	---	---
10	7.4	7.0	7.2	7.2	7.2	7.2	---	---	---	---	---	---
11	7.2	7.2	7.2	7.2	7.2	7.2	---	---	---	---	---	---
12	7.3	7.2	7.2	7.2	7.2	7.2	---	---	---	---	---	---
13	7.3	7.2	7.2	---	---	---	---	---	---	---	---	---
14	7.3	7.2	7.3	---	---	---	---	---	---	---	---	---
15	7.3	7.1	7.2	---	---	---	---	---	---	---	---	---
16	7.2	7.1	7.2	---	---	---	---	---	---	---	---	---
17	7.2	7.2	7.2	---	---	---	---	---	---	---	---	---
18	7.2	7.1	7.2	---	---	---	---	---	---	---	---	---
19	7.2	7.1	7.1	---	---	---	---	---	---	---	---	---
20	7.2	7.1	7.1	---	---	---	---	---	---	---	---	---
21	7.2	7.1	7.1	---	---	---	---	---	---	---	---	---
22	7.2	7.1	7.1	---	---	---	---	---	---	---	---	---
23	7.2	7.1	7.1	---	---	---	---	---	---	---	---	---
24	7.1	7.1	7.1	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	7.1	7.1	7.1	---	---	---	---	---	---	---	---	---
27	7.1	7.0	7.0	---	---	---	---	---	---	---	---	---
28	7.0	7.0	7.0	---	---	---	---	---	---	---	---	---
29	7.1	7.0	7.0	---	---	---	---	---	---	---	---	---
30	7.0	7.0	7.0	---	---	---	---	---	---	---	---	---
31	7.1	7.0	7.0	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

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

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

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

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

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	23.0	22.5	22.7	16.1	15.7	16.0	---	---	---	---	---	---
2	23.0	22.6	22.8	16.2	15.8	16.1	---	---	---	---	---	---
3	22.7	22.3	22.5	16.0	15.6	15.8	---	---	---	---	---	---
4	23.0	22.3	22.6	15.6	15.1	15.4	---	---	---	---	---	---
5	23.3	22.4	22.8	15.1	14.8	14.9	---	---	---	---	---	---
6	23.4	22.8	23.2	14.9	14.3	14.5	---	---	---	---	---	---
7	22.8	22.2	22.4	14.6	14.3	14.4	---	---	---	---	---	---
8	22.4	21.6	22.0	14.8	14.6	14.7	---	---	---	---	---	---
9	21.6	19.9	20.8	---	---	---	---	---	---	---	---	---
10	21.3	19.6	20.5	---	---	---	---	---	---	---	---	---
11	21.2	20.8	21.0	---	---	---	---	---	---	---	---	---
12	21.2	20.8	21.0	---	---	---	---	---	---	---	---	---
13	21.0	20.3	20.7	---	---	---	---	---	---	---	---	---
14	20.5	20.3	20.4	---	---	---	---	---	---	---	---	---
15	20.3	19.6	19.9	---	---	---	---	---	---	---	---	---
16	19.9	19.4	19.7	---	---	---	---	---	---	---	---	---
17	19.8	19.4	19.5	---	---	---	---	---	---	---	---	---
18	19.8	19.4	19.6	---	---	---	---	---	---	---	---	---
19	19.9	19.8	19.8	---	---	---	---	---	---	---	---	---
20	20.5	19.9	20.3	---	---	---	---	---	---	---	---	---
21	20.4	19.7	20.1	---	---	---	---	---	---	---	---	---
22	19.7	18.9	19.3	---	---	---	---	---	---	---	---	---
23	18.9	18.1	18.6	---	---	---	---	---	---	---	---	---
24	18.1	17.2	17.5	---	---	---	---	---	---	---	---	---
25	17.3	16.6	17.0	---	---	---	---	---	---	---	---	---
26	17.1	16.0	16.6	---	---	---	---	---	---	---	---	---
27	16.0	15.4	15.8	---	---	---	---	---	---	---	---	---
28	16.2	15.4	15.8	---	---	---	---	---	---	---	---	---
29	15.9	15.4	15.7	---	---	---	---	---	---	---	---	---
30	15.8	15.5	15.7	---	---	---	---	---	---	---	---	---
31	15.9	15.7	15.8	---	---	---	---	---	---	---	---	---
Month	23.4	15.4	19.7	---	---	---	---	---	---	---	---	---

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	14.7	14.3	14.5	18.9	18.2	18.5
2	---	---	---	---	---	---	15.1	14.1	14.5	19.7	18.6	19.1
3	---	---	---	---	---	---	14.8	14.2	14.5	19.8	19.4	19.6
4	---	---	---	---	---	---	15.3	14.5	14.9	19.8	19.3	19.4
5	---	---	---	---	---	---	15.5	15.2	15.3	19.3	18.4	18.9
6	---	---	---	---	---	---	15.2	14.0	14.4	19.2	17.8	18.5
7	---	---	---	---	---	---	14.9	13.8	14.3	17.8	17.2	17.6
8	---	---	---	---	---	---	13.8	12.9	13.2	17.7	17.3	17.5
9	---	---	---	---	---	---	13.4	13.0	13.2	17.9	17.4	17.6
10	---	---	---	---	---	---	13.1	12.9	13.0	18.8	17.6	18.0
11	---	---	---	---	---	---	13.0	12.6	12.8	19.8	18.6	19.0
12	---	---	---	---	---	---	13.4	12.6	13.1	20.0	19.4	19.7
13	---	---	---	---	---	---	13.6	13.4	13.5	20.0	19.6	19.8
14	---	---	---	---	---	---	14.2	13.6	13.9	19.9	19.2	19.5
15	---	---	---	---	---	---	14.5	14.2	14.3	19.7	18.9	19.2
16	---	---	---	---	---	---	14.3	13.9	14.1	20.1	19.3	19.7
17	---	---	---	---	---	---	14.2	13.8	14.0	20.9	20.0	20.3
18	---	---	---	---	---	---	14.2	13.8	14.0	20.9	20.1	20.4
19	---	---	---	---	---	---	13.8	13.3	13.5	20.7	20.3	20.5
20	---	---	---	---	---	---	13.8	13.1	13.5	20.7	20.1	20.3
21	---	---	---	9.8	9.4	9.6	14.2	13.5	13.8	20.5	20.0	20.3
22	---	---	---	10.5	9.6	9.9	14.5	13.8	14.1	21.2	20.5	20.7
23	---	---	---	11.1	10.3	10.6	15.2	14.3	14.7	21.8	21.2	21.4
24	---	---	---	12.8	11.1	11.8	15.7	14.9	15.3	22.1	21.8	21.9
25	---	---	---	13.7	12.8	13.3	16.5	15.5	16.0	22.2	21.9	22.0
26	---	---	---	14.0	13.3	13.6	17.1	16.3	16.6	22.7	22.0	22.2
27	---	---	---	14.7	13.7	14.1	17.6	17.1	17.4	23.2	22.6	22.8
28	---	---	---	15.2	14.5	14.8	17.8	17.6	17.7	23.8	23.1	23.3
29	---	---	---	14.8	13.7	14.2	17.9	17.4	17.7	24.0	23.8	23.9
30	---	---	---	14.8	13.8	14.3	18.3	17.8	18.0	24.4	24.0	24.1
31	---	---	---	14.7	13.8	14.3	---	---	---	24.5	24.2	24.3
Month	---	---	---	---	---	---	18.3	12.6	14.7	24.5	17.2	20.3

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	25.3	24.5	25.1	---	---	---	28.5	28.0	28.2	28.3	27.9	28.1
2	25.3	24.4	24.8	---	---	---	28.9	28.0	28.4	28.1	27.6	27.9
3	24.8	24.1	24.4	28.1	27.6	27.8	28.6	27.8	28.2	27.8	27.2	27.5
4	25.0	24.1	24.6	28.1	27.6	27.8	29.4	27.8	28.5	27.7	26.9	27.3
5	25.3	24.2	24.8	27.8	27.3	27.5	29.4	28.6	29.0	27.8	27.3	27.6
6	25.6	25.2	25.4	27.9	27.1	27.5	29.8	28.8	29.3	27.8	27.2	27.6
7	25.8	24.8	25.3	28.4	27.6	28.0	29.9	29.1	29.5	28.2	27.2	27.7
8	26.4	25.2	25.8	28.6	28.0	28.3	30.5	29.9	30.2	---	---	---
9	27.4	26.2	26.7	29.3	28.4	28.9	30.8	30.0	30.4	---	---	---
10	27.7	27.0	27.4	29.6	29.1	29.3	30.6	30.0	30.4	---	---	---
11	27.9	27.1	27.5	29.8	29.3	29.5	30.0	29.3	29.6	---	---	---
12	27.9	27.4	27.6	29.5	28.7	29.1	29.6	28.5	29.0	27.6	27.1	27.3
13	27.7	27.2	27.5	29.1	28.4	28.7	28.9	28.1	28.5	27.7	27.1	27.4
14	27.6	26.3	26.8	28.7	28.1	28.4	29.1	28.4	28.7	27.3	26.9	27.1
15	26.3	25.5	25.8	28.5	28.0	28.2	29.4	28.7	29.0	27.2	26.9	27.1
16	25.7	24.8	25.3	28.8	28.0	28.3	29.5	29.1	29.3	26.9	26.3	26.6
17	25.7	25.0	25.4	28.8	27.4	28.4	29.6	29.1	29.4	26.3	25.5	25.9
18	26.0	25.0	25.5	28.6	27.7	28.2	29.7	29.1	29.5	25.5	24.8	25.1
19	26.7	25.3	26.0	29.4	28.6	29.0	29.5	28.9	29.3	24.8	24.1	24.4
20	27.3	26.4	27.0	29.8	29.2	29.5	29.6	28.7	29.1	24.1	23.9	24.0
21	27.1	26.1	26.5	29.6	29.2	29.5	29.6	28.8	29.3	24.6	23.7	23.9
22	26.5	26.2	26.4	29.2	28.6	28.9	29.3	29.1	29.2	25.3	23.6	24.0
23	26.8	26.1	26.4	28.6	28.1	28.3	29.6	29.2	29.3	24.9	23.7	24.1
24	27.1	26.5	26.8	28.4	28.0	28.2	29.7	29.4	29.5	25.3	23.9	24.3
25	27.4	26.6	27.0	28.3	28.0	28.1	30.2	29.4	29.8	25.8	24.2	24.7
26	27.7	26.8	27.3	28.3	27.8	28.1	29.7	29.1	29.4	25.8	24.7	25.1
27	28.2	27.1	27.7	28.9	28.0	28.4	29.1	28.7	28.9	25.7	25.2	25.4
28	28.2	27.4	27.8	28.6	28.2	28.4	29.1	28.6	28.8	26.1	25.6	25.8
29	28.4	27.7	28.0	28.9	27.9	28.4	29.4	28.5	28.9	25.7	25.0	25.3
30	28.4	27.7	28.0	28.5	28.0	28.2	29.0	28.3	28.8	25.1	24.3	24.6
31	---	---	---	28.6	28.1	28.3	28.4	27.9	28.2	---	---	---
Month	28.4	24.1	26.4	---	---	---	30.8	27.8	29.1	---	---	---

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	24.3	23.9	24.1	18.6	17.8	18.2	---	---	---	---	---	---
2	24.6	23.8	24.0	17.8	17.2	17.4	---	---	---	---	---	---
3	24.0	23.8	23.9	17.6	17.2	17.4	---	---	---	---	---	---
4	24.2	23.8	23.9	17.6	17.2	17.4	---	---	---	---	---	---
5	24.2	23.7	23.9	17.2	16.6	16.9	---	---	---	---	---	---
6	24.7	24.0	24.4	16.6	16.0	16.4	---	---	---	---	---	---
7	25.7	24.6	25.0	16.0	15.0	15.4	---	---	---	---	---	---
8	26.7	25.0	25.4	15.0	14.1	14.5	---	---	---	---	---	---
9	26.4	25.2	25.5	14.1	13.6	13.8	---	---	---	---	---	---
10	26.1	25.3	25.5	13.6	13.0	13.4	---	---	---	---	---	---
11	25.4	24.9	25.1	13.0	12.5	12.8	---	---	---	---	---	---
12	24.9	24.2	24.4	12.6	12.4	12.5	---	---	---	---	---	---
13	24.2	23.6	23.9	---	---	---	---	---	---	---	---	---
14	23.6	23.0	23.2	---	---	---	---	---	---	---	---	---
15	23.0	22.1	22.5	---	---	---	---	---	---	---	---	---
16	22.1	21.4	21.7	---	---	---	---	---	---	---	---	---
17	21.7	21.1	21.2	---	---	---	---	---	---	---	---	---
18	21.4	20.9	21.0	---	---	---	---	---	---	---	---	---
19	21.6	20.9	21.1	---	---	---	---	---	---	---	---	---
20	21.8	21.2	21.5	---	---	---	---	---	---	---	---	---
21	21.9	21.4	21.6	---	---	---	---	---	---	---	---	---
22	22.2	21.7	21.9	---	---	---	---	---	---	---	---	---
23	22.8	22.0	22.3	---	---	---	---	---	---	---	---	---
24	22.6	22.3	22.4	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	22.4	22.1	22.2	---	---	---	---	---	---	---	---	---
27	22.4	22.0	22.3	---	---	---	---	---	---	---	---	---
28	22.0	21.3	21.7	---	---	---	---	---	---	---	---	---
29	21.3	20.4	20.9	---	---	---	---	---	---	---	---	---
30	20.4	19.5	19.9	---	---	---	---	---	---	---	---	---
31	19.5	18.6	19.0	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	6.9	6.7	6.8	6.9	6.3	6.6	---	---	---	---	---	---
2	6.8	6.7	6.8	7.2	6.3	6.7	---	---	---	---	---	---
3	6.8	6.7	6.8	8.1	7.2	7.5	---	---	---	---	---	---
4	7.1	6.8	6.9	8.9	8.1	8.6	---	---	---	---	---	---
5	7.2	6.9	7.1	8.9	8.8	8.9	---	---	---	---	---	---
6	7.1	6.8	7.0	9.0	8.8	8.9	---	---	---	---	---	---
7	7.0	6.8	6.9	9.1	8.9	9.0	---	---	---	---	---	---
8	7.1	6.9	7.0	9.0	7.5	8.3	---	---	---	---	---	---
9	7.2	7.1	7.2	---	---	---	---	---	---	---	---	---
10	7.3	7.0	7.1	---	---	---	---	---	---	---	---	---
11	7.3	7.0	7.1	---	---	---	---	---	---	---	---	---
12	7.3	7.2	7.2	---	---	---	---	---	---	---	---	---
13	7.5	7.2	7.3	---	---	---	---	---	---	---	---	---
14	7.6	7.3	7.4	---	---	---	---	---	---	---	---	---
15	7.6	7.5	7.5	---	---	---	---	---	---	---	---	---
16	7.6	7.5	7.5	---	---	---	---	---	---	---	---	---
17	7.7	7.6	7.6	---	---	---	---	---	---	---	---	---
18	7.6	7.0	7.2	---	---	---	---	---	---	---	---	---
19	7.0	6.7	6.9	---	---	---	---	---	---	---	---	---
20	6.9	6.7	6.8	---	---	---	---	---	---	---	---	---
21	7.0	6.6	6.8	---	---	---	---	---	---	---	---	---
22	6.6	6.2	6.5	---	---	---	---	---	---	---	---	---
23	6.3	6.1	6.2	---	---	---	---	---	---	---	---	---
24	7.4	6.2	6.7	---	---	---	---	---	---	---	---	---
25	7.8	7.4	7.6	---	---	---	---	---	---	---	---	---
26	7.9	7.7	7.8	---	---	---	---	---	---	---	---	---
27	8.0	7.9	8.0	---	---	---	---	---	---	---	---	---
28	8.4	8.0	8.3	---	---	---	---	---	---	---	---	---
29	8.3	7.8	8.0	---	---	---	---	---	---	---	---	---
30	7.8	7.2	7.5	---	---	---	---	---	---	---	---	---
31	7.2	6.9	7.1	---	---	---	---	---	---	---	---	---
Month	8.4	6.1	7.2	---	---	---	---	---	---	---	---	---

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	8.5	7.4	8.0	6.3	6.0	6.2
2	---	---	---	---	---	---	9.2	8.4	8.8	6.3	5.8	6.1
3	---	---	---	---	---	---	9.4	8.7	9.1	6.2	5.7	5.9
4	---	---	---	---	---	---	9.4	8.9	9.1	6.3	5.8	5.9
5	---	---	---	---	---	---	9.0	8.8	8.9	6.2	5.8	6.0
6	---	---	---	---	---	---	9.1	8.9	9.0	6.7	5.9	6.3
7	---	---	---	---	---	---	9.0	8.7	8.9	7.1	6.6	6.7
8	---	---	---	---	---	---	9.1	8.9	9.0	7.2	6.9	7.0
9	---	---	---	---	---	---	9.0	8.8	8.9	7.6	7.0	7.2
10	---	---	---	---	---	---	9.0	8.8	8.9	7.6	7.2	7.4
11	---	---	---	---	---	---	9.2	9.0	9.1	7.6	7.1	7.3
12	---	---	---	---	---	---	9.2	8.9	9.0	7.4	7.0	7.1
13	---	---	---	---	---	---	9.0	8.8	8.9	7.3	6.9	7.1
14	---	---	---	---	---	---	8.9	8.7	8.8	7.4	7.0	7.2
15	---	---	---	---	---	---	8.8	8.2	8.6	7.4	7.0	7.2
16	---	---	---	---	---	---	8.3	8.2	8.3	7.4	6.9	7.1
17	---	---	---	---	---	---	8.3	8.0	8.2	7.4	7.1	7.2
18	---	---	---	---	---	---	8.7	8.2	8.4	7.4	7.0	7.2
19	---	---	---	---	---	---	---	---	---	7.4	7.0	7.1
20	---	---	---	---	---	---	---	---	---	7.4	6.6	7.0
21	---	---	---	10.9	10.5	10.7	---	---	---	7.6	7.3	7.4
22	---	---	---	10.8	10.3	10.5	---	---	---	7.7	7.3	7.5
23	---	---	---	10.6	10.2	10.3	---	---	---	8.3	7.5	7.9
24	---	---	---	10.4	9.6	10	7.7	7.3	7.5	8.3	8.0	8.1
25	---	---	---	9.7	9.0	9.3	7.4	7.1	7.3	8.3	7.8	8.1
26	---	---	---	9.3	8.8	9.0	7.2	6.9	7.1	8.2	7.8	8.0
27	---	---	---	8.9	8.4	8.7	7.1	6.7	6.9	8.3	7.7	8.0
28	---	---	---	8.8	8.3	8.5	7.0	6.7	6.8	8.4	7.9	8.1
29	---	---	---	8.6	7.9	8.4	6.8	6.4	6.6	8.5	8.1	8.2
30	---	---	---	8.2	7.6	7.9	6.6	6.1	6.4	8.2	7.9	8.1
31	---	---	---	7.9	7.3	7.6	---	---	---	8.3	7.8	8.1
Month	---	---	---	---	---	---	---	---	---	8.5	5.7	7.2

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	8.1	7.6	7.9	---	---	---	6.0	5.4	5.8	5.4	5.0	5.2
2	7.9	7.7	7.8	---	---	---	6.2	5.6	5.9	5.4	5.0	5.3
3	7.7	7.2	7.5	5.9	5.6	5.8	6.1	5.7	5.9	5.4	4.9	5.2
4	7.4	7.0	7.3	6.0	5.8	5.9	6.1	5.7	5.9	5.5	5.0	5.2
5	7.2	6.7	7.0	6.0	5.6	5.9	6.0	5.6	5.8	5.5	5.1	5.3
6	7.0	6.5	6.7	6.0	5.8	5.9	5.9	5.6	5.8	5.6	5.1	5.3
7	6.9	6.5	6.7	6.0	5.7	5.8	6.2	5.5	5.9	5.4	5.0	5.2
8	7.0	6.1	6.6	5.8	5.6	5.7	6.1	5.6	5.9	---	---	---
9	6.9	6.1	6.5	5.8	5.5	5.6	6.3	5.5	5.9	---	---	---
10	7.0	6.5	6.8	5.6	5.3	5.5	5.9	5.5	5.8	---	---	---
11	---	---	---	5.7	5.3	5.5	5.7	5.1	5.3	---	---	---
12	---	---	---	5.7	5.4	5.5	5.4	5.0	5.2	6.2	5.6	5.9
13	---	---	---	5.5	5.2	5.4	5.4	5.1	5.2	6.5	5.8	6.1
14	6.6	5.8	6.1	5.7	5.3	5.5	5.7	5.2	5.4	6.6	6.0	6.2
15	6.3	5.9	6.1	5.6	4.9	5.3	5.8	5.3	5.6	6.5	6.0	6.2
16	6.3	5.9	6.1	5.9	5.4	5.6	6.0	5.4	5.8	6.4	5.9	6.2
17	6.3	5.9	6.1	6.2	5.5	5.8	6.0	5.5	5.8	6.2	5.7	6.0
18	6.4	5.8	6.1	6.0	5.8	5.9	6.1	5.6	5.9	6.3	5.8	6.0
19	6.5	5.8	6.2	5.9	5.6	5.8	6.0	5.8	5.9	6.2	5.7	6.0
20	6.3	5.7	6.1	6.0	5.5	5.8	6.2	5.7	5.9	6.2	5.5	5.8
21	6.0	5.3	5.7	5.9	5.7	5.8	6.2	5.6	5.8	6.4	5.7	5.9
22	5.7	5.2	5.5	5.9	5.5	5.7	6.3	5.9	6.0	6.7	6.1	6.3
23	5.9	5.3	5.6	6.1	5.7	5.8	6.0	5.8	5.9	6.4	6.0	6.2
24	5.6	5.4	5.5	6.1	5.6	5.8	5.9	5.5	5.7	6.9	6.2	6.4
25	5.7	5.3	5.5	6.3	5.8	6.0	5.6	5.2	5.4	6.9	6.2	6.4
26	5.7	5.5	5.6	6.4	6.1	6.3	5.3	4.9	5.1	6.5	5.8	6.1
27	5.8	5.5	5.6	6.5	6.1	6.3	5.0	4.7	4.8	6.1	5.7	5.9
28	5.7	5.4	5.6	6.2	5.8	5.9	5.2	4.8	5.0	6.0	5.6	5.8
29	5.8	5.2	5.5	5.8	5.5	5.7	5.3	4.8	5.1	6.0	5.6	5.8
30	5.6	5.0	5.3	5.7	5.5	5.6	5.4	4.8	5.1	6.3	5.9	6.1
31	---	---	---	5.9	5.4	5.6	5.3	4.8	5.0	---	---	---
Month	---	---	---	---	---	---	6.3	4.7	5.6	---	---	---

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	6.4	6.0	6.2	8.1	7.4	7.7	---	---	---	---	---	---
2	8.7	6.3	7.4	8.4	7.8	8.2	---	---	---	---	---	---
3	8.1	6.8	7.1	8.2	7.8	8.0	---	---	---	---	---	---
4	7.1	6.8	6.9	8.2	7.8	8.0	---	---	---	---	---	---
5	7.2	6.8	7.0	8.2	7.8	8.0	---	---	---	---	---	---
6	7.0	6.7	6.9	8.4	7.9	8.2	---	---	---	---	---	---
7	6.9	6.6	6.7	8.7	8.1	8.4	---	---	---	---	---	---
8	7.2	6.4	6.6	9.0	8.4	8.7	---	---	---	---	---	---
9	---	---	---	9.2	8.7	9.0	---	---	---	---	---	---
10	---	---	---	9.4	8.9	9.1	---	---	---	---	---	---
11	---	---	---	9.6	9.1	9.4	---	---	---	---	---	---
12	---	---	---	9.7	9.3	9.5	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	7.4	7.1	7.3	---	---	---	---	---	---	---	---	---
18	7.7	7.2	7.4	---	---	---	---	---	---	---	---	---
19	7.5	7.1	7.3	---	---	---	---	---	---	---	---	---
20	7.5	7.1	7.3	---	---	---	---	---	---	---	---	---
21	7.4	7.1	7.2	---	---	---	---	---	---	---	---	---
22	7.4	7.0	7.2	---	---	---	---	---	---	---	---	---
23	7.2	6.8	7.0	---	---	---	---	---	---	---	---	---
24	7.1	6.7	6.9	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	7.1	6.8	7.0	---	---	---	---	---	---	---	---	---
27	7.0	6.7	6.8	---	---	---	---	---	---	---	---	---
28	6.9	6.7	6.8	---	---	---	---	---	---	---	---	---
29	7.1	6.7	6.9	---	---	---	---	---	---	---	---	---
30	7.3	6.9	7.2	---	---	---	---	---	---	---	---	---
31	7.7	7.0	7.2	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	81	78	80	70	64	67	---	---	---	---	---	---
2	80	78	79	73	64	68	---	---	---	---	---	---
3	79	78	79	82	73	76	---	---	---	---	---	---
4	83	78	81	89	82	86	---	---	---	---	---	---
5	85	80	82	89	87	88	---	---	---	---	---	---
6	84	79	82	89	87	88	---	---	---	---	---	---
7	81	78	80	90	87	88	---	---	---	---	---	---
8	81	79	80	89	74	82	---	---	---	---	---	---
9	81	79	80	---	---	---	---	---	---	---	---	---
10	81	79	79	---	---	---	---	---	---	---	---	---
11	82	79	80	---	---	---	---	---	---	---	---	---
12	82	81	81	---	---	---	---	---	---	---	---	---
13	84	81	82	---	---	---	---	---	---	---	---	---
14	85	81	83	---	---	---	---	---	---	---	---	---
15	84	82	83	---	---	---	---	---	---	---	---	---
16	84	82	83	---	---	---	---	---	---	---	---	---
17	84	83	83	---	---	---	---	---	---	---	---	---
18	83	77	80	---	---	---	---	---	---	---	---	---
19	77	74	76	---	---	---	---	---	---	---	---	---
20	77	75	75	---	---	---	---	---	---	---	---	---
21	78	72	76	---	---	---	---	---	---	---	---	---
22	72	67	70	---	---	---	---	---	---	---	---	---
23	68	65	66	---	---	---	---	---	---	---	---	---
24	77	66	70	---	---	---	---	---	---	---	---	---
25	81	77	79	---	---	---	---	---	---	---	---	---
26	81	79	80	---	---	---	---	---	---	---	---	---
27	81	80	81	---	---	---	---	---	---	---	---	---
28	86	80	84	---	---	---	---	---	---	---	---	---
29	84	79	81	---	---	---	---	---	---	---	---	---
30	79	73	75	---	---	---	---	---	---	---	---	---
31	73	70	72	---	---	---	---	---	---	---	---	---
Month	86	65	79	---	---	---	---	---	---	---	---	---

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	84	73	79	68	64	66
2	---	---	---	---	---	---	90	82	86	69	63	66
3	---	---	---	---	---	---	93	86	90	68	62	64
4	---	---	---	---	---	---	93	88	91	69	63	64
5	---	---	---	---	---	---	90	88	89	67	62	65
6	---	---	---	---	---	---	91	87	88	71	63	67
7	---	---	---	---	---	---	89	85	87	75	69	71
8	---	---	---	---	---	---	87	85	86	75	72	73
9	---	---	---	---	---	---	86	84	85	80	73	76
10	---	---	---	---	---	---	86	84	85	81	76	78
11	---	---	---	---	---	---	88	85	86	82	76	79
12	---	---	---	---	---	---	87	85	86	81	76	78
13	---	---	---	---	---	---	87	84	86	81	76	78
14	---	---	---	---	---	---	86	84	85	81	76	78
15	---	---	---	---	---	---	87	80	84	81	76	78
16	---	---	---	---	---	---	81	80	81	81	75	78
17	---	---	---	---	---	---	81	77	79	83	78	80
18	---	---	---	---	---	---	85	80	82	83	77	80
19	---	---	---	---	---	---	---	---	---	82	78	80
20	---	---	---	---	---	---	---	---	---	82	73	78
21	---	---	---	96	93	94	---	---	---	85	81	82
22	---	---	---	95	91	93	---	---	---	87	81	84
23	---	---	---	95	91	93	---	---	---	95	85	89
24	---	---	---	95	90	92	78	72	75	95	91	93
25	---	---	---	92	87	89	76	73	74	96	90	94
26	---	---	---	89	84	87	75	71	73	95	90	92
27	---	---	---	88	81	85	75	70	72	97	90	93
28	---	---	---	87	82	84	74	70	72	99	93	95
29	---	---	---	85	78	82	72	67	69	101	96	97
30	---	---	---	80	75	77	70	65	68	98	94	97
31	---	---	---	78	72	75	---	---	---	100	94	97
Month	---	---	---	---	---	---	---	---	---	101	62	80

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	99	93	96	---	---	---	78	69	74	70	64	67
2	96	92	94	---	---	---	80	72	77	69	64	67
3	93	86	90	76	71	74	79	73	76	69	62	65
4	89	84	87	77	74	75	80	73	77	70	63	66
5	88	82	84	77	71	75	79	73	76	70	65	67
6	86	80	82	77	73	75	78	73	76	72	64	68
7	85	79	81	76	73	75	82	72	77	70	63	66
8	87	74	81	75	72	74	82	74	78	---	---	---
9	87	76	82	75	71	73	85	73	79	---	---	---
10	89	82	86	74	69	72	79	73	77	---	---	---
11	---	---	---	75	70	73	76	67	70	---	---	---
12	---	---	---	75	70	72	70	66	68	79	71	74
13	---	---	---	72	68	70	70	66	68	83	73	78
14	84	73	77	74	68	70	74	67	70	83	76	78
15	78	72	75	72	63	68	76	69	73	82	76	79
16	77	71	74	77	70	73	79	71	76	80	73	78
17	78	72	74	79	71	75	79	72	76	77	70	74
18	79	71	75	78	74	76	81	73	77	77	71	73
19	81	71	77	78	73	75	79	76	78	75	68	72
20	79	72	77	79	72	76	82	74	78	74	66	70
21	76	66	71	78	75	76	81	74	76	77	68	70
22	71	65	69	77	72	74	80	77	78	82	72	75
23	74	66	70	79	73	75	79	76	77	77	71	74
24	71	67	69	79	72	75	78	73	75	84	74	76
25	72	66	69	81	75	77	74	69	71	85	74	77
26	73	69	70	82	78	80	70	64	67	80	71	74
27	75	69	71	85	78	81	65	61	63	75	70	72
28	73	70	72	80	75	77	68	62	65	74	69	72
29	74	67	70	75	71	73	70	62	66	73	68	71
30	72	64	68	74	71	72	70	62	67	77	71	73
31	---	---	---	76	69	72	68	61	65	---	---	---
Month	---	---	---	---	---	---	85	61	73	---	---	---

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
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	77	72	74	85	79	82	---	---	---	---	---	---
2	105	75	89	88	82	85	---	---	---	---	---	---
3	97	81	85	86	82	84	---	---	---	---	---	---
4	85	81	82	86	81	83	---	---	---	---	---	---
5	86	81	83	85	81	83	---	---	---	---	---	---
6	84	81	82	86	81	83	---	---	---	---	---	---
7	85	80	81	87	82	84	---	---	---	---	---	---
8	90	78	81	88	83	86	---	---	---	---	---	---
9	---	---	---	89	85	87	---	---	---	---	---	---
10	---	---	---	89	86	88	---	---	---	---	---	---
11	---	---	---	91	86	89	---	---	---	---	---	---
12	---	---	---	91	87	89	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	84	81	82	---	---	---	---	---	---	---	---	---
18	87	81	83	---	---	---	---	---	---	---	---	---
19	85	80	83	---	---	---	---	---	---	---	---	---
20	86	80	83	---	---	---	---	---	---	---	---	---
21	85	81	82	---	---	---	---	---	---	---	---	---
22	85	80	82	---	---	---	---	---	---	---	---	---
23	84	78	81	---	---	---	---	---	---	---	---	---
24	82	77	80	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	82	78	81	---	---	---	---	---	---	---	---	---
27	81	77	79	---	---	---	---	---	---	---	---	---
28	79	76	78	---	---	---	---	---	---	---	---	---
29	79	76	78	---	---	---	---	---	---	---	---	---
30	81	77	79	---	---	---	---	---	---	---	---	---
31	83	76	78	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
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	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
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30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

02081054 ROANOKE RIVER AT WILLIAMSTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
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	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---