

0204382800 PASQUOTANK RIVER NEAR SOUTH MILLS, NC

LOCATION.--Lat 36°25'17", long 76°20'33", Camden County, Hydrologic Unit 03010205, at bridge on US Highway 17, 1 mi below Newland Canal and 2 mi southwest of South Mills.

DRAINAGE AREA.--Approximately 64.0 mi².

PERIOD OF RECORD.--October 1995 to current year.

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is 4.52 ft below NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records fair except those for daily discharges below 50 ft³/s, which are poor. This site is strongly affected by astronomical and wind tides. The astronomical tides occur at primary harmonic periods of 12.42 hours and 24.8 hours. Mean 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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,330 ft³/s, Sept. 19, 1999, maximum gage height, 9.85 ft, Sept. 6, 1996; minimum discharge, -240 ft³/s, Sept. 6, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 301 ft³/s, March 1, maximum gage height 7.21 ft, Apr. 3; minimum discharge, -57 ft³/s, Aug. 13.

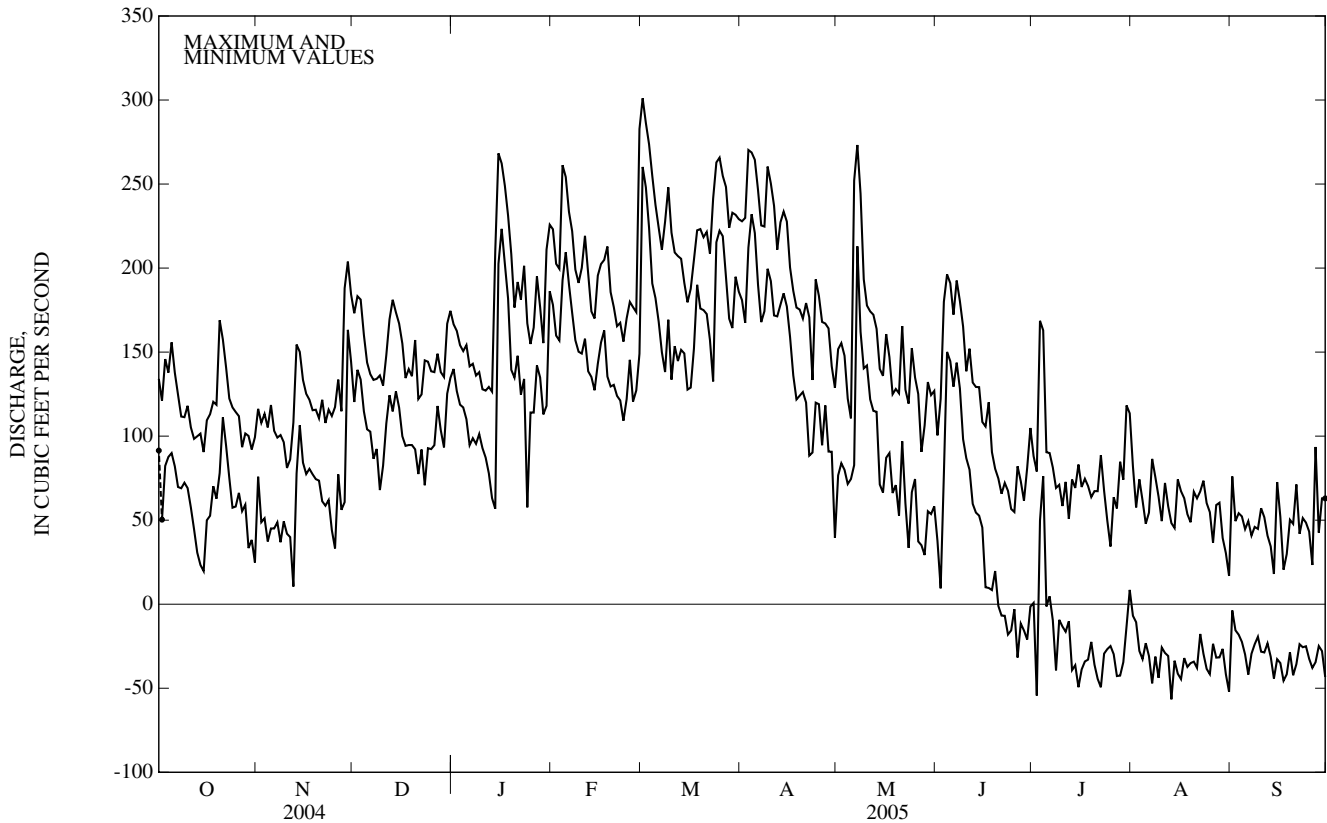
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	134	91	116	76	173	120	167	140	223	178	301	260
2	121	50	108	49	183	139	163	127	203	160	286	248
3	146	82	113	51	181	134	154	119	200	157	274	224
4	138	88	105	37	160	115	151	117	261	193	255	191
5	156	90	119	45	144	104	154	110	254	209	238	182
6	138	82	103	45	137	103	142	95	233	190	224	168
7	125	70	99	49	133	87	143	99	222	173	211	150
8	112	69	101	37	134	92	136	95	199	157	228	138
9	111	72	96	49	136	68	138	101	191	150	248	169
10	118	69	81	42	130	82	128	93	200	149	221	134
11	105	58	86	40	148	108	127	87	219	158	209	154
12	98	45	108	11	170	124	129	78	197	139	207	145
13	100	31	155	78	181	115	126	63	174	135	206	151
14	102	23	150	106	174	127	210	57	170	127	191	149
15	91	20	133	84	167	117	268	202	196	143	180	128
16	109	50	125	77	155	100	262	223	202	156	188	129
17	113	53	122	81	135	94	249	202	205	163	205	152
18	120	70	115	77	140	95	231	182	213	135	222	190
19	119	63	116	74	136	95	208	139	186	130	223	176
20	169	78	111	74	157	92	177	135	177	131	218	175
21	157	111	122	61	122	77	192	148	165	124	222	173
22	141	94	108	59	125	92	181	125	167	121	209	157
23	122	75	116	62	145	71	201	134	156	109	241	133
24	117	57	112	44	144	93	167	58	170	122	263	215
25	114	58	117	33	139	92	155	114	180	145	266	222
26	112	66	134	77	138	95	165	114	177	121	255	219
27	93	55	115	56	149	118	195	142	174	127	248	195
28	102	59	188	61	138	104	177	135	283	149	224	170
29	100	33	204	163	135	93	155	113	---	---	233	164
30	92	38	184	144	167	125	211	118	---	---	232	195
31	99	25	---	---	175	135	226	186	---	---	229	186
MONTH	169	20	204	11	183	68	268	57	283	109	301	128

0204382800 PASQUOTANK RIVER NEAR SOUTH MILLS, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	228	181	152	77	100	38	88	0.77	82	-6.9	76	-3.7
2	230	167	155	84	122	9.4	79	-54	58	-11	49	-16
3	270	212	148	80	180	77	169	50	74	-28	54	-18
4	269	232	122	72	196	150	163	76	62	-33	52	-22
5	264	221	111	74	191	145	90	-1.3	48	-23	45	-30
6	246	190	252	83	172	129	90	4.7	54	-31	49	-42
7	225	168	273	213	193	144	81	-9.6	86	-47	41	-29
8	225	174	244	162	180	128	69	-39	76	-31	46	-24
9	260	200	193	140	165	98	71	-9.3	64	-44	45	-19
10	250	192	178	142	139	87	58	-13	49	-26	57	-28
11	237	172	174	122	152	80	73	-16	72	-29	52	-29
12	211	171	172	115	132	60	51	-10	58	-31	41	-23
13	227	178	164	114	129	55	74	-39	48	-57	34	-31
14	234	185	140	71	129	53	69	-36	45	-34	18	-44
15	228	177	136	66	108	46	83	-49	74	-41	73	-33
16	200	159	161	87	106	10	70	-39	67	-45	52	-35
17	186	136	147	90	120	9.7	75	-34	63	-32	21	-46
18	177	122	125	66	90	8.4	70	-33	54	-37	30	-42
19	175	124	128	71	81	20	64	-22	49	-35	50	-29
20	170	126	125	53	75	-1.0	67	-36	67	-34	48	-42
21	179	120	166	97	66	-6.8	67	-44	63	-38	71	-36
22	171	88	128	60	72	-6.9	89	-49	67	-18	42	-24
23	133	90	119	34	67	-18	67	-29	73	-29	51	-26
24	193	120	152	67	57	-16	50	-27	60	-38	49	-25
25	183	119	135	74	55	-3.0	34	-25	55	-42	43	-33
26	168	95	125	37	82	-32	64	-30	37	-24	23	-38
27	167	118	91	35	73	-12	57	-43	59	-32	94	-34
28	164	91	106	29	62	-16	85	-42	60	-32	43	-25
29	142	91	132	55	81	-21	74	-34	39	-27	63	-28
30	129	40	124	54	105	-1.4	118	-13	30	-42	63	-43
31	---	---	127	58	---	---	114	8.5	17	-52	---	---
MONTH	270	40	273	29	196	-32	169	-54	86	-57	94	-46



CHOWAN RIVER BASIN

02053200 POTECASTI CREEK NEAR UNION, NC

LOCATION.--Lat 36°22'15", long 77°01'32", Hertford County, Hydrologic Unit 03010204, on right bank at downstream side of bridge on State Highway 11, 2.8 mi north of Union, 3 mi downstream of Cutawhiskie Swamp, and 3.5 mi upstream from Bells Branch.

DRAINAGE AREA.--225 mi².

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1953-57. March 1958 to current year.

REVISED RECORDS.--WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 3.53 ft above NGVD of 1929. Prior to Dec. 1, 1958, nonrecording gage at same site and datum. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Maximum discharge for period of record from rating curve extended above 5,800 ft³/s on basis of discharge-conveyance ratios of peak flow; maximum gage height from outside floodmarks.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1929 reached a stage of 19.1 ft; discharge, 4,050 ft³/s; and flood of August 1940 reached a stage of 24.1 ft; discharge, 7,000 ft³/s, from rating curve extended above 4,000 ft³/s, from information furnished by North Carolina State Highway Commission.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	89	168	317	369	475	487	47	32	14	17	0.90
2	49	76	156	314	354	580	509	45	40	11	12	0.78
3	46	68	145	313	370	590	628	42	51	9.0	8.9	0.73
4	44	68	135	304	427	596	604	37	57	7.7	6.7	0.78
5	44	82	125	282	489	556	508	33	57	6.9	5.3	0.92
6	48	105	119	253	462	481	425	60	53	6.8	4.5	1.1
7	43	106	116	222	424	392	349	230	50	6.9	3.9	1.1
8	37	100	114	193	391	325	304	365	53	12	3.7	1.2
9	35	105	113	170	355	375	349	322	55	11	3.7	1.2
10	37	114	159	147	317	398	391	367	59	7.8	12	1.2
11	46	116	370	125	275	344	340	390	55	6.7	14	1.1
12	49	119	447	115	234	354	283	337	51	6.4	8.0	0.98
13	48	160	426	108	198	405	263	247	45	6.2	6.4	1.1
14	52	268	444	152	172	407	319	158	34	6.0	7.0	1.3
15	63	277	441	531	159	362	368	104	26	6.5	5.2	1.4
16	67	279	395	786	e168	308	341	94	20	6.4	4.4	1.5
17	72	339	335	861	e157	379	323	78	16	6.4	24	1.4
18	90	368	279	919	e145	653	291	62	13	7.6	23	1.8
19	115	359	233	877	120	745	250	54	11	12	11	1.6
20	146	327	197	751	114	750	210	57	10	25	9.7	1.5
21	183	282	163	610	109	760	173	59	8.7	13	7.7	1.9
22	208	235	140	479	104	705	139	59	8.2	9.2	39	1.8
23	232	201	125	386	100	637	115	56	7.8	9.4	45	1.7
24	383	195	122	326	100	782	105	53	7.4	7.2	19	1.7
25	474	216	121	289	135	869	89	55	7.3	6.5	12	1.7
26	453	202	123	265	175	823	75	55	7.3	5.8	6.9	1.7
27	375	179	135	245	157	763	66	50	7.6	5.1	4.6	1.9
28	282	175	139	221	210	677	58	47	11	4.6	2.2	1.7
29	201	174	141	184	---	604	52	45	20	6.7	1.5	1.5
30	139	176	169	207	---	538	50	44	18	10	1.7	1.6
31	106	---	264	325	---	492	---	39	---	11	1.1	---
TOTAL	4,221	5,560	6,559	11,277	6,790	17,125	8,464	3,691	891.3	270.8	331.1	40.79
MEAN	136	185	212	364	242	552	282	119	29.7	8.74	10.7	1.36
MAX	474	368	447	919	489	869	628	390	59	25	45	1.9
MIN	35	68	113	108	100	308	50	33	7.3	4.6	1.1	0.73
CFM	0.61	0.82	0.94	1.62	1.08	2.46	1.25	0.53	0.13	0.04	0.05	0.01
IN.	0.70	0.92	1.08	1.86	1.12	2.83	1.40	0.61	0.15	0.04	0.05	0.01

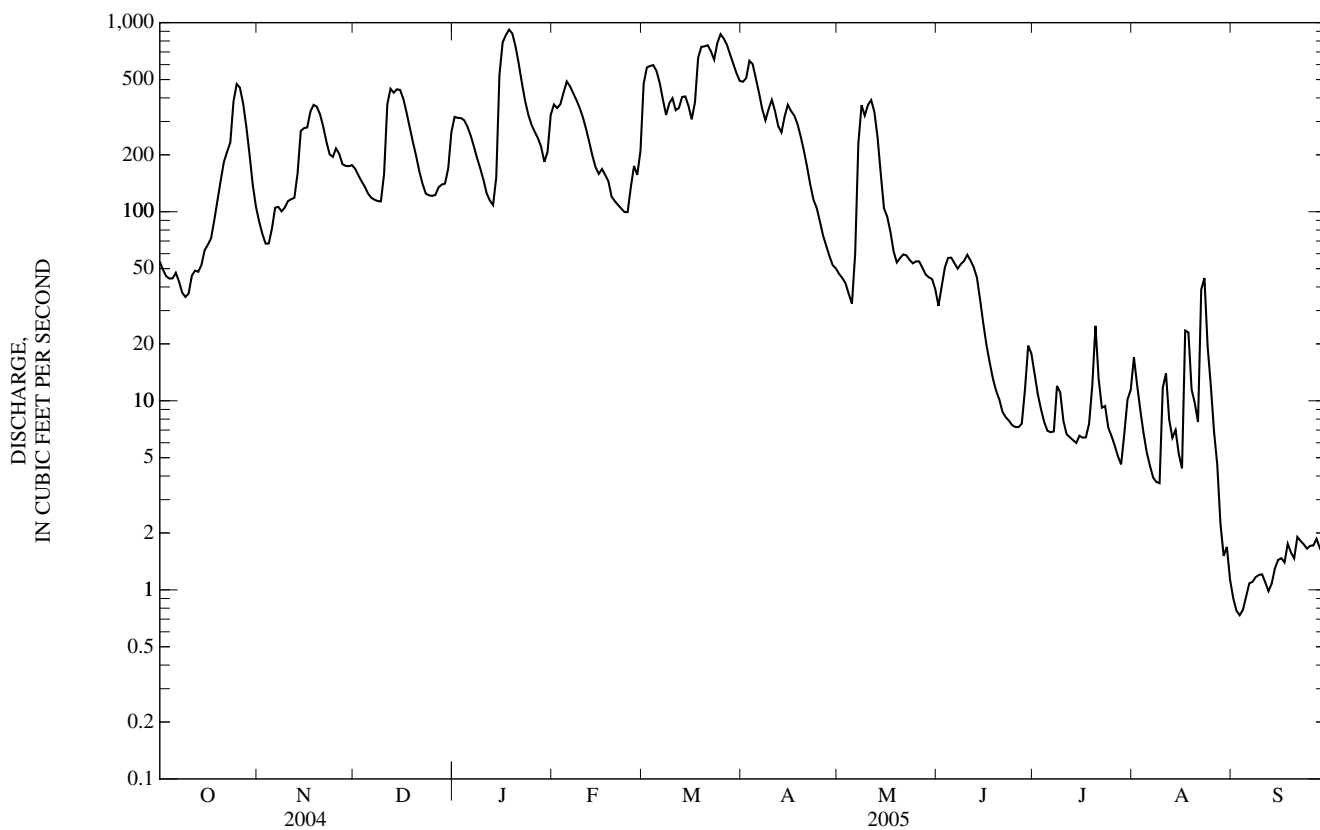
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2005, BY WATER YEAR (WY)

MEAN	126	104	210	391	482	453	305	146	120	103	167	149
MAX	1,108	619	675	957	1,135	1,439	994	925	700	531	1,131	2,515
(WY)	(1960)	(1986)	(2004)	(1987)	(1960)	(1989)	(1983)	(1979)	(1979)	(1975)	(1992)	(1999)
MIN	2.12	4.71	11.3	51.3	54.9	46.7	27.7	5.36	3.98	2.32	2.50	1.36
(WY)	(1995)	(2002)	(2002)	(1981)	(1991)	(1988)	(1995)	(1994)	(2002)	(1983)	(1987)	(2005)

02053200 POTECASTI CREEK NEAR UNION, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1959 - 2005	
ANNUAL TOTAL	87,009.1		65,220.99		228	
ANNUAL MEAN	238		179		458	
HIGHEST ANNUAL MEAN					56.1	1979
LOWEST ANNUAL MEAN					15,200	2002
HIGHEST DAILY MEAN	3,600	Aug 18	919	Jan 18	0.30	Sep 17, 1999
LOWEST DAILY MEAN	6.8	Jun 23	0.73	Sep 3	0.51	Jun 30, 1959
ANNUAL SEVEN-DAY MINIMUM	8.8	Jun 18	0.90	Aug 31	17,000*	Jun 25, 1959
MAXIMUM PEAK FLOW			927	Jan 18	28.90*	Sep 17, 1999
MAXIMUM PEAK STAGE			10.86	Jan 18	0.20	Sep 17, 1999
INSTANTANEOUS LOW FLOW			0.66	Sep 3	1.01	Jul 1, 1959
ANNUAL RUNOFF (CFSM)	1.06		0.794		13.79	
ANNUAL RUNOFF (INCHES)	14.39		10.78		634	
10 PERCENT EXCEEDS	417		457		77	
50 PERCENT EXCEEDS	152		106		5.3	
90 PERCENT EXCEEDS	22		3.8			

* See REMARKS.
e Estimated.



CHOWAN RIVER BASIN

02053500 AHOSKIE CREEK AT AHOSKIE, NC

LOCATION.--Lat 36°16'49", long 76°59'58", Hertford County, Hydrologic Unit 03010203, on right bank 10 ft downstream of bridge on State Highways 11 and 42, 0.5 mi upstream from Seaboard Coast Line Railroad bridge, and 0.8 mi southwest of Ahoskie.

DRAINAGE AREA.--63.3 mi².

PERIOD OF RECORD.--January 1950 to current year.

REVISED RECORDS.--WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 17.46 ft above NGVD of 1929 (Soil Conservation Service bench mark). Prior to Jan. 4, 1963, present site at 21.46 ft. Jan. 20, 1950, to May 24, 1951, nonrecording gage. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Entire basin above station canalized since July 1964. Minimum discharge since canalization also occurred Oct. 9, 1988. Prior to canalization, no flow occurred periodically.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of August 1940 reached a stage of 15.1 ft, present datum, from floodmark witnessed by local resident; discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	10	20	93	95	263	37	13	11	6.1	43	3.6
2	14	10	20	69	70	140	142	12	15	6.0	15	3.3
3	13	10	18	53	68	88	209	11	20	6.1	8.7	3.6
4	28	24	17	44	179	64	92	11	24	5.7	7.3	3.9
5	54	32	15	38	121	53	55	11	17	5.4	6.9	4.1
6	27	20	15	33	82	46	40	84	14	9.7	6.0	4.7
7	20	15	15	30	64	41	33	185	13	7.4	5.8	4.5
8	17	13	14	27	54	91	46	76	17	10	5.9	4.2
9	15	12	14	25	48	170	48	43	57	9.9	9.8	4.2
10	13	11	211	23	44	97	37	30	29	6.9	51	4.0
11	12	11	216	22	40	71	30	23	20	5.9	14	3.7
12	12	16	91	21	36	64	26	20	15	5.8	8.9	3.5
13	13	88	57	20	34	55	35	17	12	5.2	6.8	3.7
14	17	49	41	277	33	46	92	16	11	6.6	6.8	4.0
15	17	31	33	486	37	41	54	17	9.7	8.0	6.0	3.7
16	16	26	28	228	37	42	37	29	8.6	5.1	12	3.6
17	14	23	26	148	35	296	30	24	7.9	7.4	144	3.5
18	12	21	25	98	33	349	26	19	7.3	18	40	3.8
19	13	19	24	71	30	187	23	18	6.9	9.5	18	3.3
20	27	18	23	60	28	134	21	39	6.4	6.8	11	3.3
21	21	17	21	59	28	104	19	35	5.9	6.2	19	4.7
22	17	16	20	57	28	73	18	24	5.8	6.0	39	3.8
23	14	21	21	69	27	166	17	20	6.0	5.2	11	3.8
24	13	42	30	56	40	271	16	17	5.6	4.9	8.1	3.3
25	13	33	28	49	64	143	15	16	5.3	5.0	6.9	3.3
26	12	26	27	48	49	91	14	17	5.0	5.6	5.0	3.2
27	12	22	27	45	41	65	14	15	4.7	5.3	4.3	3.3
28	11	26	29	39	210	63	13	13	11	14	4.2	3.2
29	11	26	34	35	---	68	13	12	8.1	9.2	3.9	3.3
30	11	22	97	114	---	52	13	11	6.7	12	3.9	3.5
31	10	---	122	152	---	44	---	11	---	36	3.7	---
TOTAL	513	710	1,379	2,589	1,655	3,478	1,265	889	385.9	260.9	535.9	111.6
MEAN	16.5	23.7	44.5	83.5	59.1	112	42.2	28.7	12.9	8.42	17.3	3.72
MAX	54	88	216	486	210	349	209	185	57	36	144	4.7
MIN	10	10	14	20	27	41	13	11	4.7	4.9	3.7	3.2
CFSM	0.26	0.37	0.70	1.32	0.93	1.77	0.67	0.45	0.20	0.13	0.27	0.06
IN.	0.30	0.42	0.81	1.52	0.97	2.04	0.74	0.52	0.23	0.15	0.31	0.07

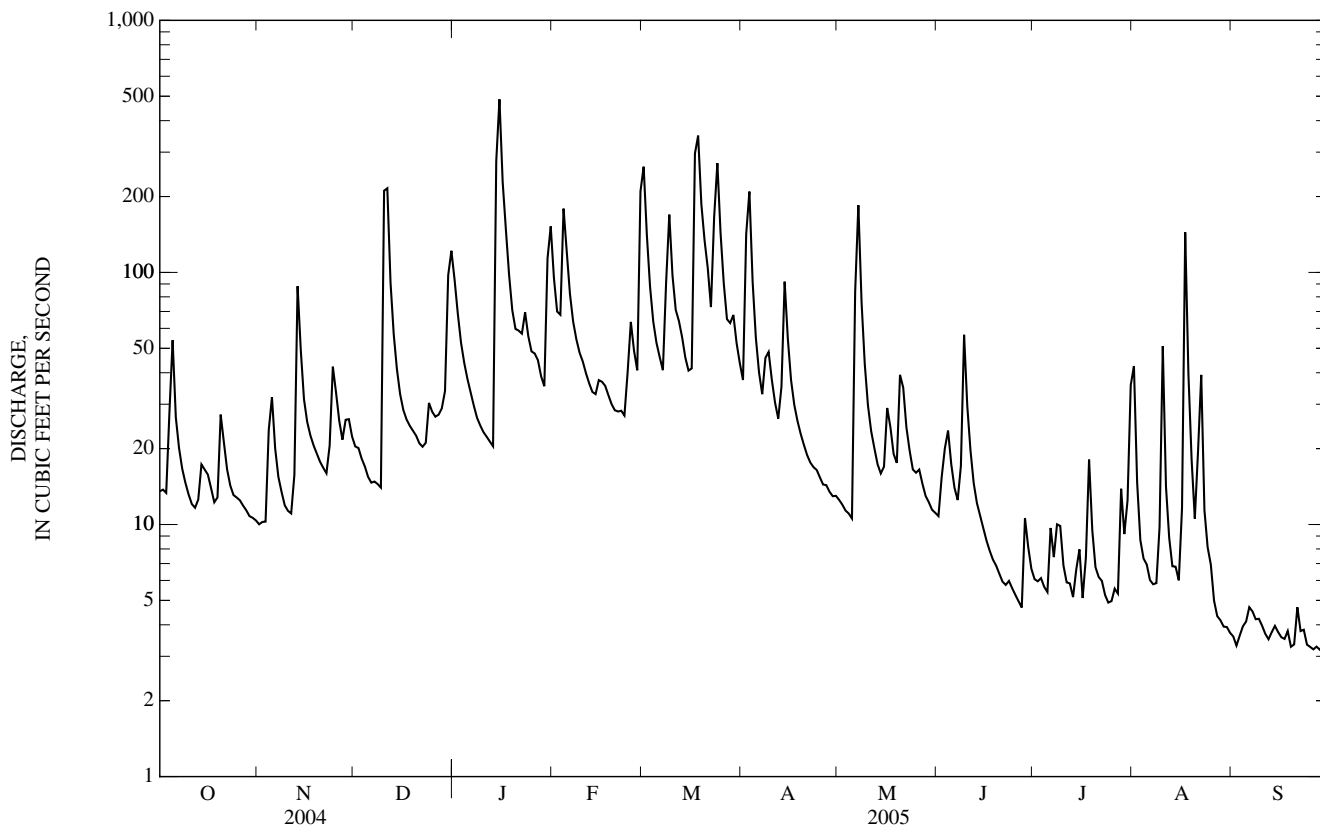
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005,* BY WATER YEAR (WY)

	39.6	23.6	48.6	97.3	121	121	73.8	42.7	42.0	30.3	48.4	49.5
MAX	297	120	177	260	343	303	243	238	322	126	381	894
(WY)	(1972)	(1986)	(1990)	(1979)	(1998)	(1989)	(1983)	(1979)	(2001)	(1975)	(1992)	(1999)
MIN	2.84	3.21	3.10	7.66	18.9	17.3	8.73	4.21	5.43	3.55	3.59	3.41
(WY)	(2002)	(1982)	(1995)	(1981)	(1968)	(1988)	(1985)	(1986)	(1986)	(1987)	(1983)	(1980)

02053500 AHOSKIE CREEK AT AHOSKIE, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1964 - 2005*	
ANNUAL TOTAL	19,767.8		13,772.3		61.2	
ANNUAL MEAN	54.0		37.7		114	
HIGHEST ANNUAL MEAN					14.7	
LOWEST ANNUAL MEAN					1981	
HIGHEST DAILY MEAN	1,540	Aug 16	486	Jan 15	7,710	Sep 17, 1999
LOWEST DAILY MEAN	6.6	Jun 16	3.2	Sep 26	0.61	Oct 8, 1988
ANNUAL SEVEN-DAY MINIMUM	7.7	Jun 11	3.3	Sep 24	0.85	Sep 27, 1988
MAXIMUM PEAK FLOW			645	Jan 14	8,570	Sep 17, 1999
MAXIMUM PEAK STAGE			7.96	Jan 14	17.32	Sep 17, 1999
INSTANTANEOUS LOW FLOW			2.9	Sep 28	0.45*	Oct 8, 1988
ANNUAL RUNOFF (CFSM)	0.853		0.596		0.966	
ANNUAL RUNOFF (INCHES)	11.62		8.09		13.13	
10 PERCENT EXCEEDS	89		91		131	
50 PERCENT EXCEEDS	23		19		17	
90 PERCENT EXCEEDS	10		4.8		4.2	

* Canalized period only (1954-2005). See REMARKS.



ROANOKE RIVER BASIN

02068500 DAN RIVER NEAR FRANCISCO, NC

LOCATION.--Lat 36°30'54", long 80°18'11", Stokes County, Hydrologic Unit 03010103, on left bank 200 ft upstream from bridge on State Highway 704, 700 ft downstream of remains of Georges Mill, 0.2 mi downstream of Elk Creek, 3 mi east of Francisco, and 7.9 mi downstream of Little Dan River.

DRAINAGE AREA.--129 mi².

PERIOD OF RECORD.--August 1924 to September 1987, December 1991 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORDS.--WSP 1303: 1938-50 (monthly runoff). WSP 1433: 1925-26, 1928-29, 1931, 1942, 1948. WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 831.99 ft above NGVD of 1929. Prior to Nov. 15, 1929, nonrecording gage at same site and datum. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Since 1938, considerable diurnal fluctuation and regulation by Talbott and Townes Reservoirs (stations 02067800 and 02067820, respectively) and Pinnacles Hydroelectric Plant in Virginia, 28 mi upstream. Minimum discharge for current water year also occurred Sept. 15, 30.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1916 reached a stage of about 15 ft, from information by local residents, discharge, 16,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	449	205	330	220	230	231	314	243	169	131	210	111
2	384	205	298	217	221	222	524	226	202	191	158	123
3	338	205	271	214	254	216	497	216	208	153	150	128
4	313	227	255	212	261	190	375	206	186	212	181	127
5	280	223	247	208	241	191	324	203	158	186	192	91
6	256	207	247	207	234	218	304	204	161	156	190	88
7	245	205	249	203	228	215	312	202	158	446	155	87
8	233	202	242	193	226	288	325	200	311	490	127	88
9	226	198	313	189	227	316	306	192	242	203	151	86
10	220	196	572	189	226	272	294	163	299	194	148	88
11	214	196	379	185	215	251	288	e262	275	173	128	128
12	211	344	316	184	209	246	286	e204	209	165	161	87
13	558	339	291	185	205	213	263	e201	203	239	170	82
14	474	251	265	1,770	222	208	255	185	231	275	150	83
15	304	233	241	497	218	209	234	196	180	332	129	81
16	256	226	233	353	214	212	228	189	211	240	185	138
17	236	216	229	301	205	230	226	178	174	234	179	124
18	229	213	224	263	198	220	226	179	160	220	130	93
19	235	210	222	260	194	215	228	181	133	211	120	82
20	233	209	205	253	193	212	227	330	146	288	124	128
21	220	206	231	247	202	208	228	298	131	238	147	135
22	217	205	216	240	197	208	256	201	126	174	107	85
23	215	239	492	238	190	374	333	189	128	190	107	87
24	223	451	435	235	197	288	246	188	119	157	108	113
25	218	623	301	238	191	286	241	195	118	132	112	82
26	212	344	267	230	185	275	234	166	117	199	110	88
27	212	297	249	231	184	273	240	142	117	186	119	94
28	215	309	239	217	229	892	229	151	171	176	150	83
29	213	268	236	215	---	678	250	171	153	143	118	83
30	212	254	231	246	---	427	256	172	155	195	115	81
31	208	---	224	246	---	347	---	169	---	608	134	---
TOTAL	8,259	7,706	8,750	8,886	5,996	8,831	8,549	6,202	5,351	7,137	4,465	2,974
MEAN	266	257	282	287	214	285	285	200	178	230	144	99.1
MAX	558	623	572	1,770	261	892	524	330	311	608	210	138
MIN	208	196	205	184	184	190	226	142	117	131	107	81
†	-7	-11	0	+16	0	+1	-6	0	-5	-7	-3	-20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2005,*[®] BY WATER YEAR (WY)

MEAN	149	157	179	199	220	258	267	217	202	169	167	152
MAX	543	327	479	424	463	571	677	405	719	425	514	630
(WY)	(1938)	(1980)	(1997)	(1978)	(1960)	(1993)	(1980)	(1949)	(2003)	(2003)	(1940)	(1979)
MIN	49.7	61.3	77.5	76.2	94.9	94.2	119	95.3	77.9	54.8	52.5	50.4
(WY)	(1964)	(1954)	(1998)	(1956)	(1956)	(1981)	(2002)	(2000)	(2002)	(1986)	(1981)	(1968)

02068500 DAN RIVER NEAR FRANCISCO, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1938 - 2005* [@]	
ANNUAL TOTAL	83,680		83,106		(UNADJUSTED)	
ANNUAL MEAN	229		228		195	
HIGHEST ANNUAL MEAN			‡224		314	
LOWEST ANNUAL MEAN					93.6	
HIGHEST DAILY MEAN	5,990	Sep 28	1,770	Jan 14	6,830	Sep 22, 1979
LOWEST DAILY MEAN	90	Sep 6	81	Sep 15	21	Sep 4, 1999
ANNUAL SEVEN-DAY MINIMUM	95	Aug 31	89	Sep 24	28	Aug 24, 1981
MAXIMUM PEAK FLOW			4,800	Jan 14	21,200	Aug 17, 1985
MAXIMUM PEAK STAGE			7.31	Jan 14	19.50	Aug 17, 1985
INSTANTANEOUS LOW FLOW			80*	Sep 13	7.1	Sep 8, 1932
10 PERCENT EXCEEDS	314		315		320	
50 PERCENT EXCEEDS	195		213		156	
90 PERCENT EXCEEDS	118		124		81	

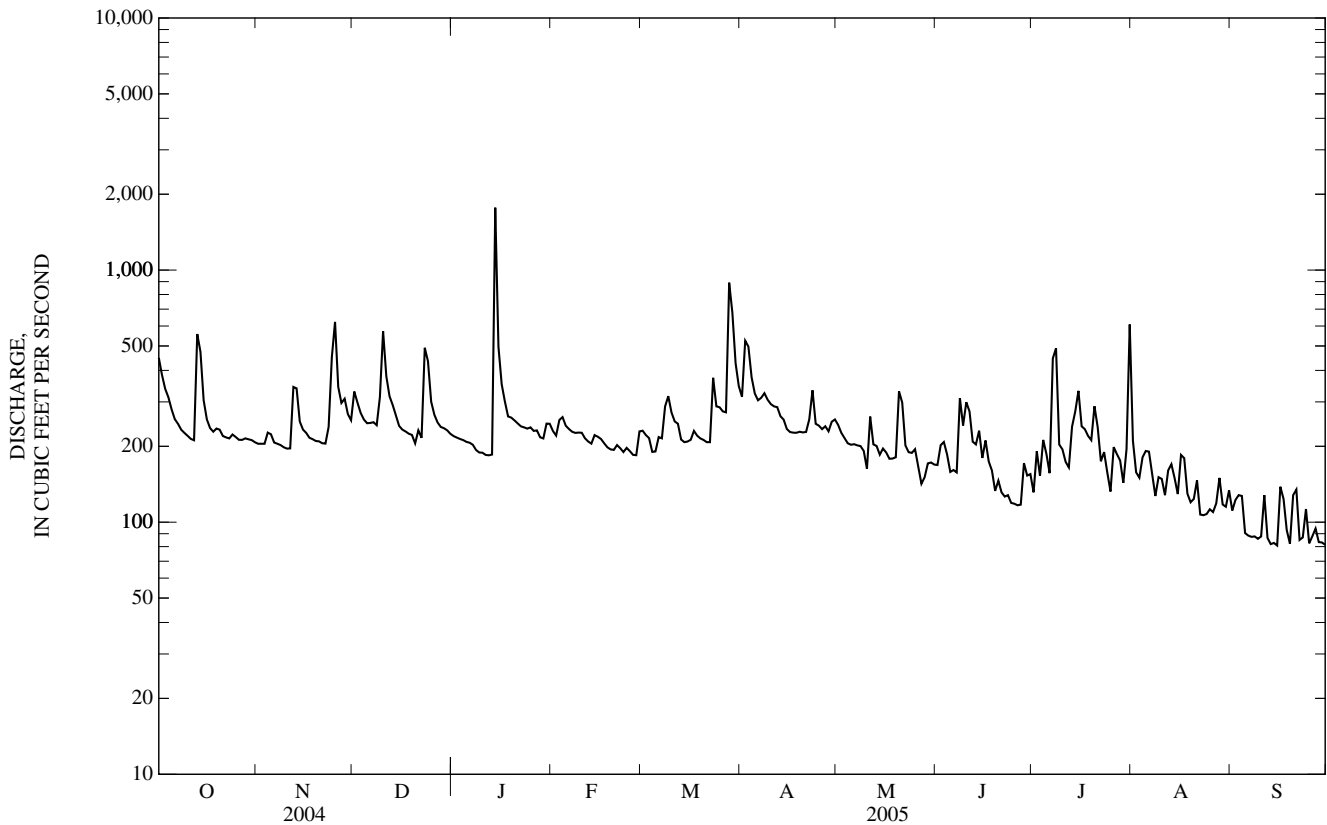
† Change in contents, equivalent in cubic feet per second, in Talbott and Townes Reservoirs provided by city of Danville, Virginia.

* Regulated period only (1982-2005). See REMARKS.

[@] See PERIOD OF RECORD.

‡ Adjusted for change in contents.

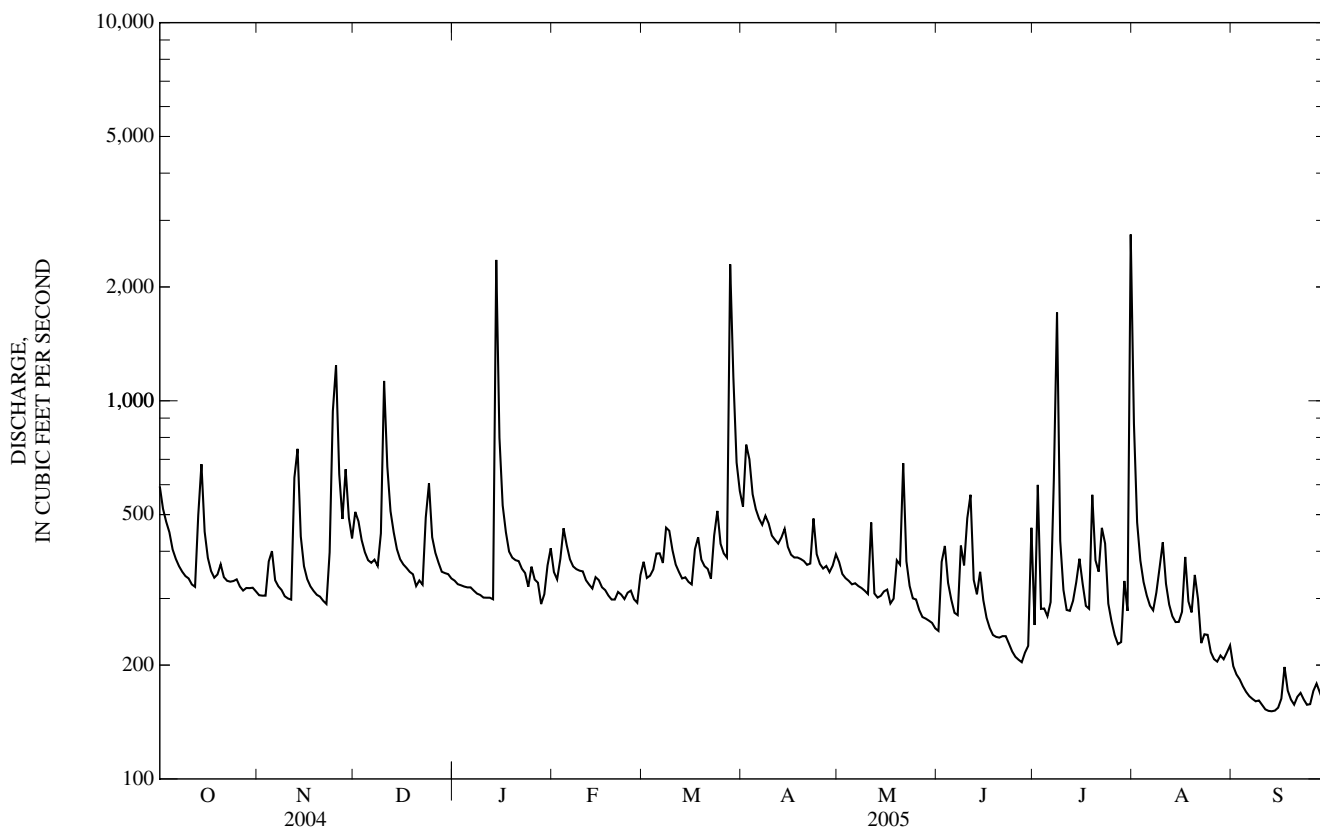
e Estimated.



02070500 MAYO RIVER NEAR PRICE, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1929 - 2005 [@]	
ANNUAL TOTAL	154,714		137,643		315	
ANNUAL MEAN	423		377		136	
HIGHEST ANNUAL MEAN					547	2003
LOWEST ANNUAL MEAN					136	2002
HIGHEST DAILY MEAN	7,860	Sep 28	2,750	Jul 31	11,400	Sep 18, 1945
LOWEST DAILY MEAN	191	Sep 6	151	Sep 12	33	Aug 11, 2002
ANNUAL SEVEN-DAY MINIMUM	203	Sep 1	154	Sep 9	33	Aug 10, 2002
MAXIMUM PEAK FLOW			5,050	Jan 14	30,000	Oct 19, 1937
MAXIMUM PEAK STAGE			6.29	Jan 14	14.00	Oct 19, 1937
INSTANTANEOUS LOW FLOW			148*	Sep 13	32	Oct 8, 1954
ANNUAL RUNOFF (CFSM)	1.75		1.56		1.30	
ANNUAL RUNOFF (INCHES)	23.78		21.16		17.67	
10 PERCENT EXCEEDS	596		497		500	
50 PERCENT EXCEEDS	332		336		236	
90 PERCENT EXCEEDS	246		211		124	

[@] See PERIOD OF RECORD.
 * See REMARKS.

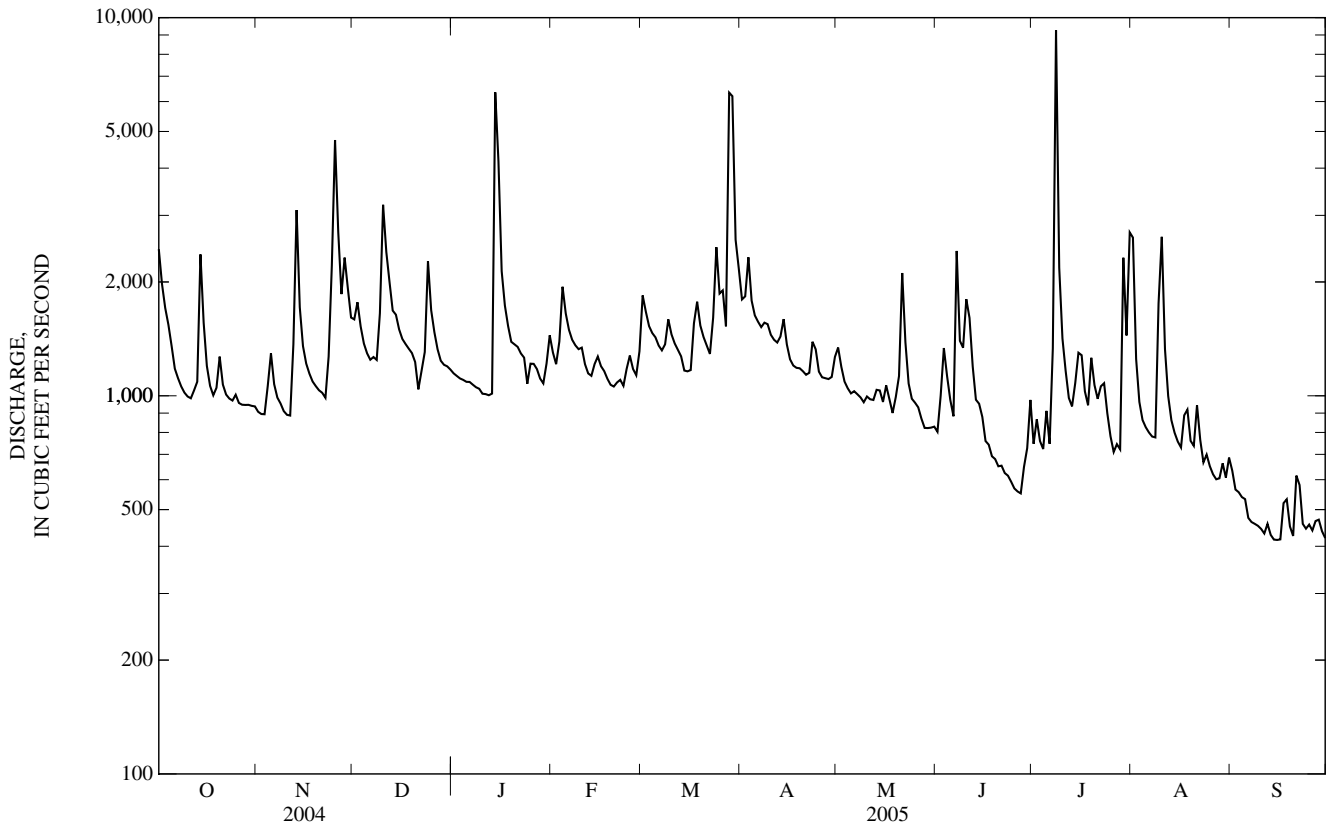


02071000 DAN RIVER NEAR WENTWORTH, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1940 - 2005	
ANNUAL TOTAL	481,316		459,308		1,199	
ANNUAL MEAN	1,315		1,258		1,985	
HIGHEST ANNUAL MEAN					373	1960
LOWEST ANNUAL MEAN					202	2002
HIGHEST DAILY MEAN	22,900	Sep 29	9,270	Jul 8	47,800	Jun 22, 1972
LOWEST DAILY MEAN	517	Sep 6	416	Sep 15	63	Aug 12, 2002
ANNUAL SEVEN-DAY MINIMUM	544	Sep 1	431	Sep 10	65	Aug 9, 2002
MAXIMUM PEAK FLOW			13,000	Jul 8	54,200	Jun 22, 1972
MAXIMUM PEAK STAGE			16.17	Jul 8	31.60*	Jun 22, 1972
INSTANTANEOUS LOW FLOW			364	Sep 23	62	Aug 12, 2002
ANNUAL RUNOFF (CFSM)	1.25		1.20		1.14	
ANNUAL RUNOFF (INCHES)	17.00		16.23		15.48	
10 PERCENT EXCEEDS	1,810		1,810		2,010	
50 PERCENT EXCEEDS	1,040		1,110		832	
90 PERCENT EXCEEDS	701		615		398	

* See REMARKS.

e Estimated.



ROANOKE RIVER BASIN

02074000 SMITH RIVER AT EDEN, NC

LOCATION.--Lat 36°31'32", long 79°45'56", Rockingham County, Hydrologic Unit 03010103, on right bank at Eden, 0.3 mi downstream of bridge on State Highway 14, 0.8 mi upstream from bridge on Secondary Road 1714, 1.2 mi south of Virginia-North Carolina State line, 1.3 mi downstream of Stuart Creek, and 3.9 mi upstream from mouth.

DRAINAGE AREA.--538 mi².

PERIOD OF RECORD.--October 1939 to current year. Prior to October 1970, published as "Smith River at Spray".

REVISED RECORDS.--WSP 1433: 1946.

GAGE.--Water-stage recorder. Datum of gage is 539.56 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Flow regulated since August 1950 by Philpott Lake, 40 mi upstream (usable capacity, 6,325,000,000 ft³). Additional regulation by hydroelectric plant at Martinsville, Virginia, 18 mi upstream. Maximum discharge prior to regulation: 45,600 ft³/s, Aug. 15, 1940, from rating curve extended above 12,000 ft³/s on the basis of computation of peak flow over dam 1.5 mi downstream; gage height: 19.28 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,770	610	1,090	791	690	944	1,360	485	948	566	1,300	514
2	1,640	837	815	541	736	868	1,760	567	954	847	975	625
3	1,740	863	1,290	640	827	872	1,690	751	623	454	949	474
4	1,770	956	1,330	1,290	869	890	1,430	724	646	527	881	306
5	1,680	1,010	1,210	1,150	726	794	1,390	797	482	1,030	851	319
6	1,260	857	1,190	1,180	639	705	1,340	903	510	787	786	448
7	968	467	1,240	1,160	789	820	1,340	835	680	1,710	449	493
8	932	619	1,220	993	756	1,040	1,360	344	680	3,440	559	471
9	887	665	1,170	430	792	1,070	1,310	517	998	1,100	974	591
10	412	632	2,250	649	809	1,070	1,280	787	827	531	1,030	378
11	597	662	1,270	858	768	1,020	1,270	723	649	623	839	281
12	936	1,010	811	837	630	853	1,270	753	548	929	823	300
13	1,090	1,430	960	839	541	514	1,320	859	463	785	719	466
14	1,430	773	1,150	3,280	790	824	1,300	550	830	1,090	398	523
15	1,030	800	1,240	1,470	845	1,090	1,050	492	785	1,010	428	535
16	1,010	798	1,220	1,010	741	1,090	889	571	786	811	737	428
17	405	858	1,220	1,320	841	1,290	435	712	614	594	1,050	498
18	525	872	1,060	1,260	869	952	642	617	490	605	729	240
19	1,120	872	519	1,200	641	1,270	936	679	452	979	580	252
20	1,200	828	661	1,220	524	635	917	527	424	967	551	526
21	1,330	422	856	1,230	726	818	920	599	612	815	434	754
22	968	578	770	1,090	796	1,080	909	497	700	984	417	435
23	1,110	1,020	942	485	784	1,270	1,010	550	635	886	762	450
24	386	1,720	1,110	708	824	1,530	595	467	472	529	726	329
25	607	2,340	837	1,150	846	1,240	667	483	518	561	674	256
26	918	1,310	585	1,120	621	1,040	744	822	443	732	715	295
27	860	1,010	761	1,120	525	603	784	952	429	786	480	546
28	859	1,010	774	1,110	789	3,180	722	1,020	754	715	361	468
29	860	1,060	760	996	---	2,170	815	984	609	968	404	461
30	822	1,020	761	505	---	1,590	855	417	680	814	730	472
31	406	---	957	880	---	1,400	---	511	---	2,210	745	---
TOTAL	31,528	27,909	32,029	32,512	20,734	34,532	32,310	20,495	19,241	29,385	22,056	13,134
MEAN	1,017	930	1,033	1,049	740	1,114	1,077	661	641	948	711	438
MAX	1,770	2,340	2,250	3,280	869	3,180	1,760	1,020	998	3,440	1,300	754
MIN	386	422	519	430	524	514	435	344	424	454	361	240
CFSM	1.89	1.73	1.92	1.95	1.38	2.07	2.00	1.23	1.19	1.76	1.32	0.81
IN.	2.18	1.93	2.21	2.25	1.43	2.39	2.23	1.42	1.33	2.03	1.53	0.91
†	-230	76	-32	-30	58	96	-89	-26	-5	8	-71	-119

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2005,* BY WATER YEAR (WY)

MEAN	510	506	593	685	731	891	888	706	654	520	501	538
MAX	1,572	1,530	1,376	1,453	1,633	2,519	3,016	1,567	2,026	1,374	1,454	2,030
(WY)	(1990)	(1986)	(1997)	(1979)	(1998)	(1993)	(1987)	(1978)	(1972)	(1989)	(1985)	(1996)
MIN	201	211	267	291	249	331	248	266	146	151	126	165
(WY)	(1952)	(1982)	(2001)	(1989)	(2002)	(1967)	(2002)	(1964)	(2002)	(2002)	(2002)	(2002)

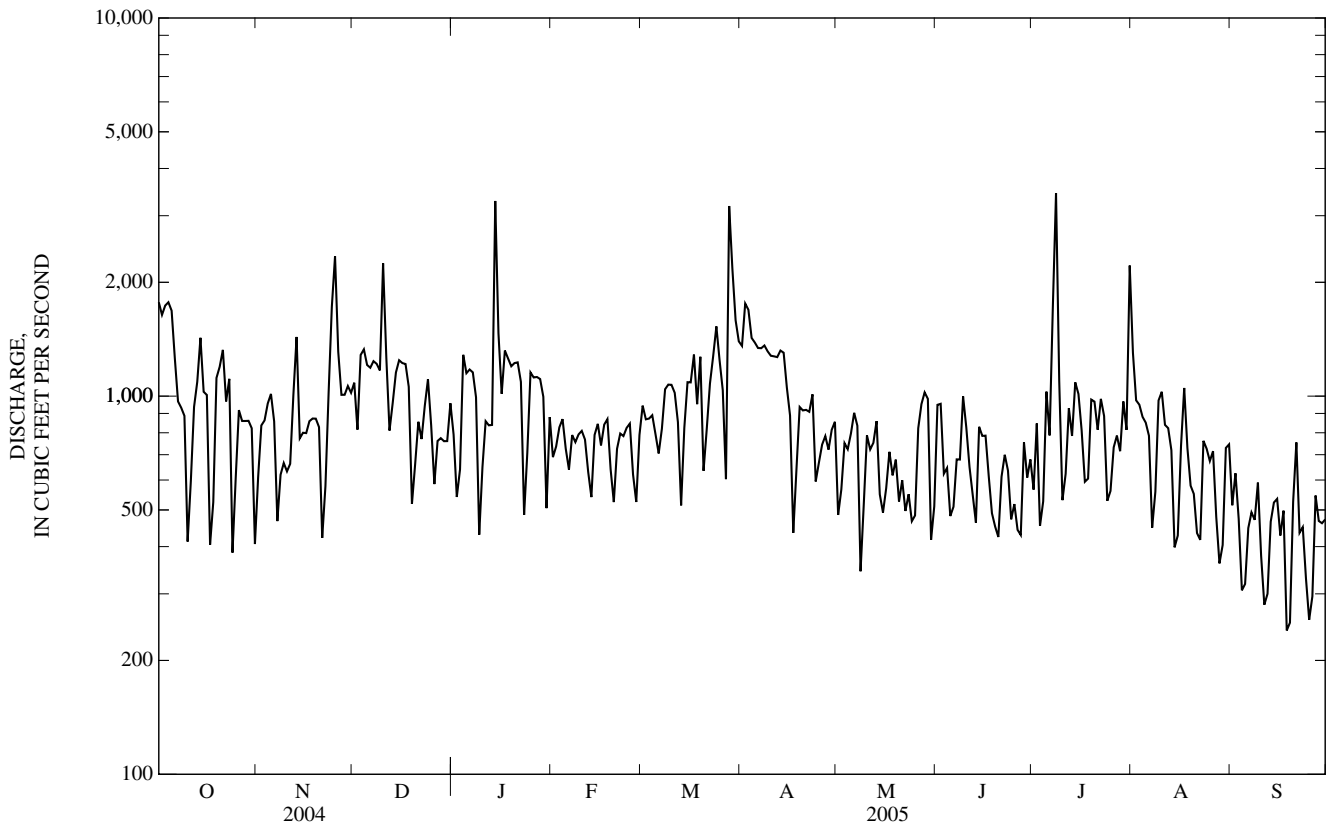
02074000 SMITH RIVER AT EDEN, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1951 - 2005*	
ANNUAL TOTAL	309,988		315,865		643 (UNADJUSTED)	
ANNUAL MEAN	847		865		1,010 1987	
HIGHEST ANNUAL MEAN			‡834		254 2002	
LOWEST ANNUAL MEAN					16,700 Jun 21, 1972	
HIGHEST DAILY MEAN	5,610	Sep 8	3,440	Jul 8	46	Aug 14, 1967
LOWEST DAILY MEAN	190	Aug 29	240	Sep 18	100	Aug 10, 2002
ANNUAL SEVEN-DAY MINIMUM	383	Aug 24	397	Sep 22	24,800	Jun 21, 1972
MAXIMUM PEAK FLOW			6,980	Mar 28	16.24	Jun 21, 1972
MAXIMUM PEAK STAGE			8.22	Mar 28	38	Aug 7, 1967
INSTANTANEOUS LOW FLOW			218	Sep 24	1.19	
ANNUAL RUNOFF (CFSM)	1.57		1.61		16.23	
ANNUAL RUNOFF (INCHES)	21.43		21.84			
10 PERCENT EXCEEDS	1,250		1,290		1,180	
50 PERCENT EXCEEDS	748		811		454	
90 PERCENT EXCEEDS	431		462		222	

† Change in contents, equivalent in cubic feet per second, in Philpott Lake provided by U.S. Army Corps of Engineers.

* Regulated period only (1951-2005). See REMARKS.

‡ Adjusted for change in contents.



0207428225 WOLF ISLAND CREEK BELOW SR 1998 AT REIDSVILLE, NC

LOCATION.--Lat 36°22'26", long 79°41'01", Rockingham County, Hydrologic Unit 03010103, approximately 0.15 mi below State Road 1998, upstream of unnamed tributary, at Reidsville.

DRAINAGE AREA.--3.75 mi².

PERIOD OF RECORD.--April 2003 to September 2005 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 660 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Minimum discharge for current water year and period of record also occurred Sept. 4, 10-11.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	2.8	6.1	3.3	3.6	9.2	4.7	4.2	0.90	0.83	1.4	e0.52
2	3.8	2.7	5.0	3.2	3.5	6.7	5.7	2.7	3.3	0.81	1.2	e0.50
3	3.7	2.8	4.6	3.4	9.4	5.4	4.3	2.5	3.4	0.71	0.92	e0.48
4	3.8	9.1	4.4	3.3	6.5	4.6	4.0	2.3	1.7	4.6	0.81	e0.47
5	3.2	5.2	4.2	3.2	5.1	4.2	3.6	2.1	1.3	2.0	0.75	e0.46
6	2.2	4.2	4.1	3.2	4.8	3.8	3.4	3.2	1.1	1.2	0.69	e0.45
7	e1.9	4.0	4.4	3.2	4.3	3.7	4.3	2.2	1.2	23	0.65	e0.44
8	e1.3	4.0	4.3	3.8	4.2	6.6	4.1	1.9	2.9	8.5	0.50	0.43
9	e1.3	3.7	14	3.7	3.8	4.5	3.6	1.8	18	4.4	4.6	0.43
10	e1.1	3.6	65	4.0	3.6	4.4	3.3	1.7	5.6	2.7	2.6	e0.43
11	e1.0	3.7	17	3.9	3.2	3.8	3.2	1.6	3.5	2.2	1.8	e0.43
12	e2.0	32	9.2	3.5	3.2	3.4	3.4	1.6	3.0	1.7	1.1	e0.42
13	e1.8	14	6.7	3.0	3.0	3.4	3.8	1.6	2.6	1.8	0.84	e0.42
14	e7.3	7.1	5.1	44	4.2	3.7	3.6	1.5	2.4	2.0	0.90	e0.42
15	e2.7	5.7	4.5	10	3.8	3.4	3.1	1.6	1.6	2.6	0.75	e0.42
16	e2.5	5.2	4.2	6.1	3.6	5.9	3.0	1.3	1.4	1.8	1.0	e0.43
17	e1.8	4.6	4.0	4.8	3.4	12	2.8	1.2	1.4	1.7	0.81	e0.43
18	e2.2	4.4	3.9	4.1	3.2	7.6	2.9	1.7	1.3	1.3	0.80	e0.43
19	e3.4	4.2	3.8	4.1	3.1	5.3	2.9	2.3	1.4	1.3	0.75	e0.43
20	e13	4.1	3.5	3.9	3.1	4.4	2.9	3.2	1.2	1.2	0.69	e0.42
21	e4.2	3.9	3.5	4.0	3.2	4.1	2.8	2.9	1.0	0.99	0.66	e0.42
22	e3.9	3.9	3.5	3.8	3.1	3.7	2.9	1.7	1.1	0.99	0.64	e0.42
23	3.1	16	5.9	3.6	3.0	8.0	2.9	1.4	1.0	0.92	e0.62	e0.42
24	2.9	20	4.5	3.6	4.0	6.3	2.5	1.4	0.92	0.92	e0.61	e0.41
25	2.7	16	4.1	3.8	3.3	4.7	2.3	1.2	0.88	1.0	e0.60	e0.41
26	2.5	8.0	4.0	3.6	3.1	4.3	2.4	1.1	0.84	0.89	e0.60	e0.40
27	e2.5	9.6	3.8	3.3	3.1	4.2	2.6	0.99	0.94	0.84	e0.59	e0.41
28	e2.2	19	3.5	3.2	11	61	2.4	0.95	1.1	0.95	e0.57	e0.40
29	2.8	7.4	3.5	3.7	---	14	3.1	0.92	1.2	6.0	e0.56	e0.40
30	2.6	6.2	3.4	5.0	---	7.5	2.6	0.91	0.94	2.5	e0.55	e0.40
31	2.6	---	3.3	4.1	---	5.7	---	0.83	---	2.0	e0.53	---
TOTAL	96.0	237.1	221.0	163.4	116.4	229.5	99.1	56.50	69.12	84.35	30.09	12.95
MEAN	3.10	7.90	7.13	5.27	4.16	7.40	3.30	1.82	2.30	2.72	0.97	0.43
MAX	13	32	65	44	11	61	5.7	4.2	18	23	4.6	0.52
MIN	1.0	2.7	3.3	3.0	3.0	3.4	2.3	0.83	0.84	0.71	0.50	0.40
CFSM	0.83	2.11	1.90	1.41	1.11	1.97	0.88	0.49	0.61	0.73	0.26	0.12
IN.	0.95	2.35	2.19	1.62	1.15	2.28	0.98	0.56	0.69	0.84	0.30	0.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	3.05	5.66	6.88	3.99	6.88	5.01	3.83	5.43	7.39	3.44	4.83	6.68
MAX	3.10	7.90	7.13	5.27	9.50	7.40	4.35	10.4	14.9	4.27	10.1	11.7
(WY)	(2005)	(2005)	(2005)	(2005)	(2004)	(2005)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)
MIN	3.01	3.42	6.64	2.70	4.16	2.63	3.30	1.82	2.30	2.72	0.97	0.43
(WY)	(2004)	(2004)	(2004)	(2004)	(2005)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

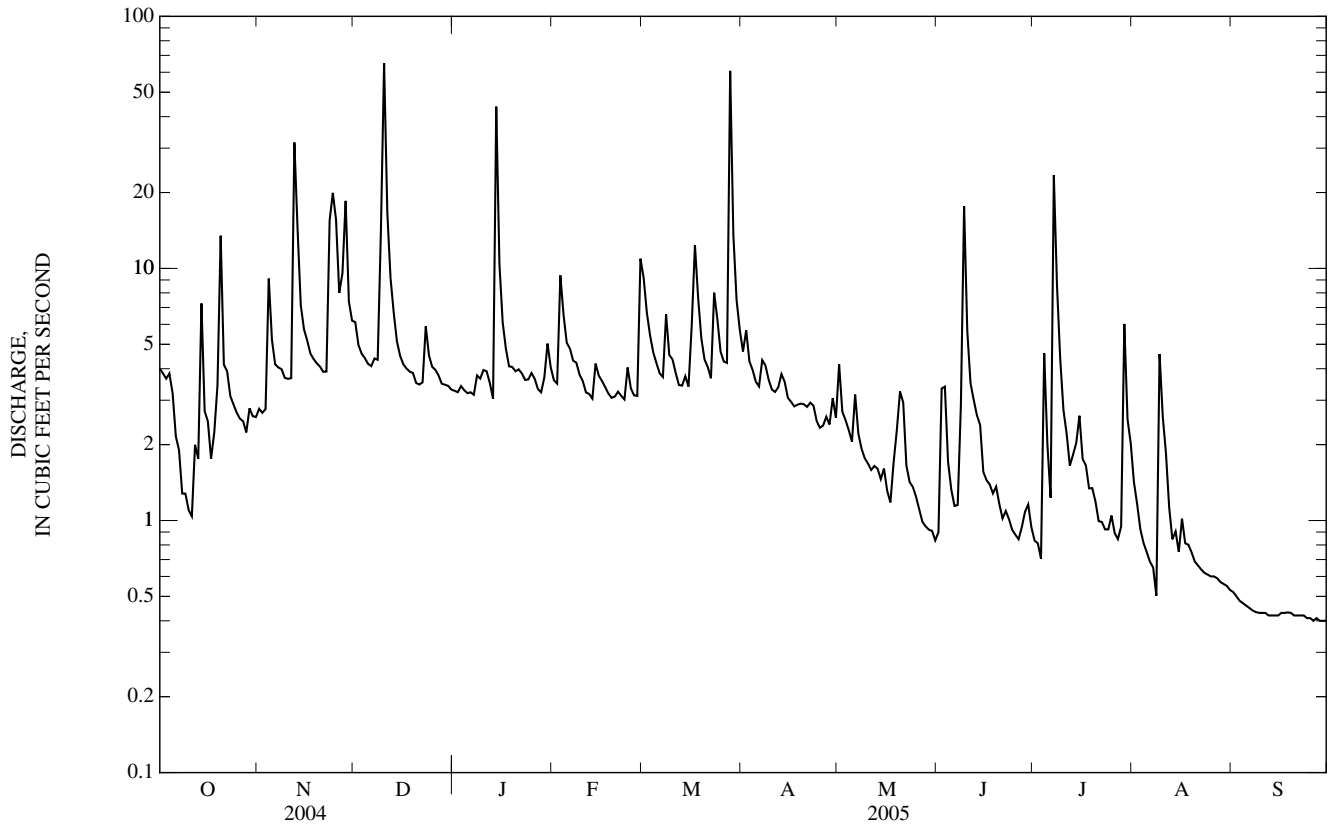
FOR 2005 WATER YEAR

WATER YEARS 2003 - 2005

ANNUAL TOTAL	1,848.30	1,415.51				
ANNUAL MEAN	5.05	3.88	4.26			
HIGHEST ANNUAL MEAN			4.63			
LOWEST ANNUAL MEAN			3.88			
HIGHEST DAILY MEAN	87	Feb 6	65	Dec 10	106	Jun 16, 2003
LOWEST DAILY MEAN	0.73	Aug 9	0.40	Sep 26	0.40	Sep 26, 2005
ANNUAL SEVEN-DAY MINIMUM	1.1	Aug 4	0.40	Sep 24	0.40	Sep 24, 2005
MAXIMUM PEAK FLOW			336	Mar 28	336	Mar 28, 2005
MAXIMUM PEAK STAGE			4.68	Mar 28	8.13	Sep 23, 2003
INSTANTANEOUS LOW FLOW			NOT DETERMINED		NOT DETERMINED	
ANNUAL RUNOFF (CFSM)	1.35	1.03	1.13			
ANNUAL RUNOFF (INCHES)	18.34	14.04	15.42			
10 PERCENT EXCEEDS	9.0	6.2	6.6			
50 PERCENT EXCEEDS	2.8	3.1	2.8			
90 PERCENT EXCEEDS	1.4	0.60	0.94			

e Estimated.

0207428225 WOLF ISLAND CREEK BELOW SR 1998 AT REIDSVILLE, NC—Continued

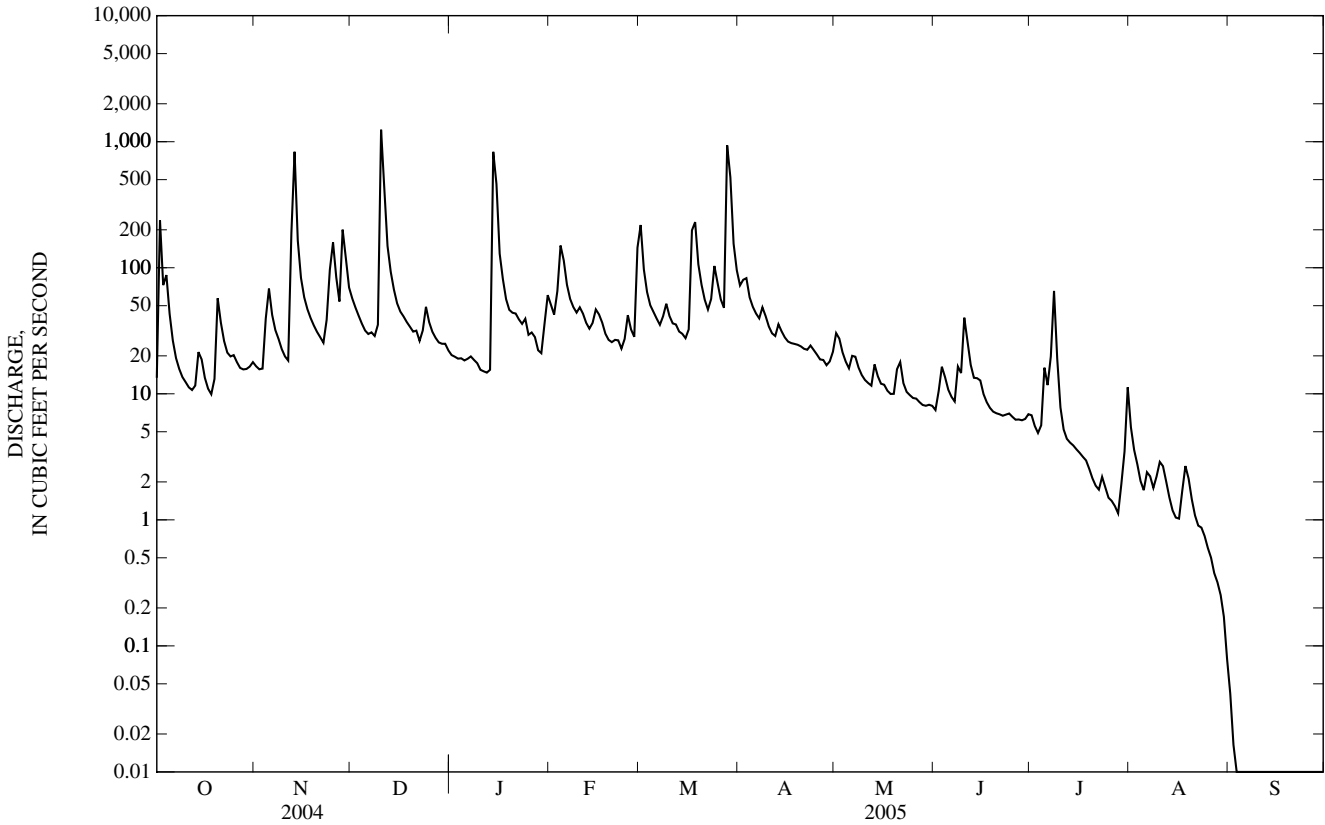


02077200 HYCO CREEK NEAR LEASBURG, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1964 - 2005	
ANNUAL TOTAL	13,361.99		15,880.88		46.0	
ANNUAL MEAN	36.5		43.5		113	
HIGHEST ANNUAL MEAN					8.68	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	1,240	Dec 10	1,240	Dec 10	7,400	Aug 28, 1995
LOWEST DAILY MEAN	0.19	Jul 17	0.00	Sep 3	0.00	Jul 9, 1966
ANNUAL SEVEN-DAY MINIMUM	0.41	Jul 17	0.00	Sep 3	0.00	Jul 9, 1966
MAXIMUM PEAK FLOW			2,580	Dec 10	NOT DETERMINED	
MAXIMUM PEAK STAGE			35.42	Dec 10	48.53*	Aug 27, 1995
INSTANTANEOUS LOW FLOW			0.00*	Sep 2	0.00*	Jul 8, 1966
ANNUAL RUNOFF (CFSM)	0.795		0.948		1.00	
ANNUAL RUNOFF (INCHES)	10.83		12.87		13.62	
10 PERCENT EXCEEDS	67		73		87	
50 PERCENT EXCEEDS	19		20		15	
90 PERCENT EXCEEDS	2.3		0.56		0.77	

* See REMARKS.

e Estimated



02077200 HYCO CREEK NEAR LEASBURG, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1964 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: May 1964 to current year.

INSTRUMENTATION.--Water-temperature recorder since May 1964.

REMARKS.--Miscellaneous water-quality data published for water years, 1959, 1965-67; 1959 data published as "North Hyco Creek near Leasburg" (station 02077202). Prior to Oct. 1967, daily water-temperature data published as "North Hyco Creek near Leasburg". Interruptions in the record due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum recorded, 31.3°C, July 17, 1996; minimum recorded, 0.0°C, many days during winter months in most years.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum recorded, 29.7°C, July 27; minimum recorded, 0.2°C, Dec. 21, 28, Jan. 24.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.5	19.5	20.0	19.5	16.9	18.3	12.0	10.0	11.1	8.9	6.4	7.6
2	21.2	20.3	20.7	19.1	17.3	18.4	10.2	7.7	8.8	9.6	7.5	8.6
3	21.2	19.8	20.3	20.0	18.6	19.2	8.1	6.5	7.3	10.6	8.4	9.6
4	20.5	19.4	20.0	18.9	15.4	16.7	7.3	5.4	6.4	12.7	10.5	11.5
5	20.0	18.0	18.9	15.4	12.9	14.2	7.4	5.1	6.3	12.8	11.1	12.1
6	18.0	16.4	17.1	13.2	11.0	12.2	9.1	6.8	7.9	13.2	11.6	12.5
7	17.3	14.5	16.0	13.2	10.2	11.9	12.7	9.1	10.7	13.0	11.2	11.8
8	17.2	14.6	16.0	13.1	10.9	12.0	13.0	11.5	12.3	11.9	10.7	11.5
9	17.0	14.8	16.0	11.6	9.1	10.1	11.5	9.5	9.9	10.7	8.6	9.5
10	18.4	16.2	17.3	9.7	7.6	8.8	10.9	9.5	10.2	9.4	7.5	8.6
11	17.6	15.3	16.4	10.5	7.9	9.1	11.0	10.4	10.9	9.1	7.4	8.4
12	17.0	14.3	15.7	12.4	10.5	11.5	10.4	8.6	9.2	10.3	7.8	9.1
13	17.2	16.3	16.7	12.5	11.7	12.2	9.2	8.0	8.8	13.8	10.2	11.7
14	17.9	16.1	17.0	11.7	9.1	9.9	8.0	5.1	6.5	14.4	11.9	13.4
15	17.9	16.3	17.1	9.1	7.3	8.2	5.1	3.3	4.2	11.9	7.9	9.2
16	16.3	14.0	15.0	8.5	7.8	8.1	3.9	2.3	3.1	7.9	6.5	6.9
17	14.6	12.1	13.5	9.6	7.4	8.4	4.7	2.7	3.6	6.8	3.1	4.9
18	14.3	12.1	13.2	11.8	9.1	10.6	4.9	3.1	4.0	3.1	1.0	2.1
19	17.1	14.3	15.7	13.7	11.6	12.6	4.3	3.1	3.7	1.0	0.5	0.7
20	17.1	16.1	16.6	14.3	12.6	13.4	3.4	0.5	1.3	2.3	1.0	1.7
21	16.1	15.6	15.8	14.7	13.0	13.9	2.3	0.2	1.1	2.7	2.0	2.3
22	15.9	15.3	15.6	14.2	13.0	13.6	5.0	1.2	2.8	2.4	2.2	2.2
23	15.4	14.1	14.7	14.0	13.5	13.8	8.2	5.0	6.7	2.2	0.4	1.2
24	15.0	14.2	14.6	14.9	13.9	14.3	7.3	4.7	6.1	0.7	0.2	0.4
25	16.7	15.0	15.6	15.1	12.7	14.5	4.7	3.1	3.8	2.9	0.3	1.5
26	16.5	14.6	15.5	12.7	8.8	10.3	3.1	2.2	2.6	5.0	2.0	3.5
27	15.6	13.9	14.5	8.9	7.3	8.3	2.4	1.0	1.7	5.2	3.5	4.2
28	15.3	14.6	14.9	11.0	8.9	10.3	1.9	0.2	1.1	3.6	1.2	2.1
29	16.0	14.9	15.4	10.5	8.7	9.3	4.4	1.3	2.7	---	---	---
30	19.0	16.0	17.3	10.0	8.4	9.2	6.5	4.4	5.3	---	---	---
31	19.1	16.8	18.1	---	---	---	7.2	5.1	6.2	3.3	1.4	2.3
MONTH	21.2	12.1	16.5	20.0	7.3	12.1	13.0	0.2	6.0	---	---	---

02077200 HYCO CREEK NEAR LEASBURG, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	3.6	2.2	2.8	5.8	4.5	5.2	14.2	13.3	13.7	19.0	15.9	17.4
2	3.5	1.5	2.6	5.8	3.6	4.9	15.4	13.6	14.6	17.3	14.9	16.2
3	3.5	2.8	3.1	6.0	3.8	5.0	13.9	10.9	12.6	17.6	13.6	15.6
4	5.0	2.7	3.7	7.0	3.7	5.4	15.9	11.9	13.8	16.8	14.3	15.6
5	5.5	3.5	4.7	8.4	6.0	7.2	17.6	13.1	15.3	15.7	14.1	14.8
6	6.2	4.1	5.3	9.7	6.1	7.9	19.3	15.3	17.2	14.8	13.3	13.7
7	7.4	5.3	6.3	11.5	7.2	9.3	18.2	17.1	17.6	16.3	11.5	13.9
8	9.6	6.7	8.1	11.5	8.8	10.6	18.3	16.3	17.2	18.7	14.3	16.5
9	9.6	8.8	9.2	9.0	6.7	7.9	19.5	16.1	17.5	19.5	15.0	17.3
10	9.6	7.4	9.1	9.0	6.0	7.4	19.1	14.1	16.6	20.0	15.8	18.0
11	7.4	5.3	6.2	9.3	6.3	7.8	20.2	14.8	17.5	21.7	17.6	19.7
12	7.0	3.9	5.4	10.6	6.3	8.4	19.0	15.3	16.7	22.3	19.2	20.9
13	7.8	4.8	6.3	12.7	7.6	10.3	15.3	12.0	13.2	21.6	19.2	20.1
14	9.4	7.3	8.3	12.0	8.9	10.4	15.3	10.2	12.7	21.1	18.2	19.6
15	10.6	8.0	9.3	10.5	6.3	8.6	16.7	12.1	14.3	20.7	19.8	20.3
16	12.1	9.3	10.7	9.6	6.4	8.1	15.9	10.8	13.5	21.2	18.1	19.6
17	11.1	8.4	9.8	6.4	4.8	5.3	16.7	10.6	13.8	20.5	18.1	19.3
18	8.4	5.7	7.0	9.4	4.7	6.5	18.1	12.5	15.4	20.9	17.8	19.3
19	7.2	3.8	5.7	10.1	6.9	8.5	19.3	14.4	17.0	21.7	19.3	20.4
20	6.7	5.5	6.1	12.1	8.8	10.5	20.6	16.0	18.5	21.9	19.7	20.5
21	8.9	6.4	7.4	12.4	9.7	11.2	21.5	16.8	19.3	20.5	17.4	19.0
22	11.2	7.4	9.3	12.1	9.7	11.0	20.6	18.0	19.5	21.1	17.5	19.3
23	11.2	8.0	9.8	12.4	11.5	12.0	19.9	17.0	18.9	21.5	18.8	20.1
24	10.3	7.0	8.3	13.5	10.8	12.1	17.0	13.2	14.5	20.6	18.2	19.3
25	7.0	5.6	6.3	13.4	11.6	12.2	16.2	11.5	13.8	18.3	16.8	17.6
26	7.8	4.0	5.9	12.1	11.1	11.5	15.1	13.1	14.1	20.7	16.3	18.2
27	7.3	4.9	6.2	11.1	10.8	11.0	16.7	13.9	15.2	21.0	17.5	19.2
28	6.7	4.4	5.1	13.6	10.8	12.2	16.7	12.7	15.0	20.3	18.9	19.5
29	---	---	---	15.6	11.6	13.4	16.8	14.8	15.9	19.4	17.1	18.4
30	---	---	---	15.5	12.7	14.2	17.3	15.8	16.6	20.8	17.6	19.0
31	---	---	---	15.5	13.9	14.4	---	---	---	21.1	18.3	19.5
MONTH	12.1	1.5	6.7	15.6	3.6	9.4	21.5	10.2	15.7	22.3	11.5	18.3
	JUNE			JULY			AUGUST			SEPTEMBER		
1	19.6	18.1	18.7	27.8	24.4	26.0	25.6	22.6	23.9	25.0	21.6	23.0
2	18.1	17.3	17.5	26.5	24.5	25.5	26.3	22.7	24.4	24.4	20.6	22.1
3	18.2	17.3	17.7	25.5	23.5	24.6	27.6	23.7	25.3	24.1	20.0	21.5
4	20.6	18.0	19.1	24.8	23.9	24.4	27.5	23.8	25.4	23.1	19.3	20.7
5	22.4	19.5	21.0	26.5	23.2	24.7	27.8	24.1	25.7	23.4	19.1	20.4
6	25.0	21.3	23.0	27.0	24.5	25.8	26.0	24.0	25.1	23.4	18.9	20.4
7	25.6	23.0	24.2	26.4	23.1	25.2	25.4	22.7	23.9	22.5	18.0	19.7
8	25.4	22.8	24.1	24.6	22.9	23.9	24.8	23.0	23.9	22.2	17.7	19.4
9	26.2	23.5	24.7	26.0	22.9	24.4	25.0	23.3	24.0	22.0	17.2	19.1
10	25.0	23.5	24.3	26.2	23.5	24.9	25.8	23.4	24.3	22.2	17.5	19.4
11	25.6	23.8	24.7	25.6	24.3	25.0	26.4	22.7	24.3	22.7	17.6	19.3
12	25.3	23.3	24.4	27.5	24.6	25.8	26.9	23.3	25.0	21.5	17.0	18.8
13	25.5	24.0	24.7	---	---	---	27.6	24.3	25.8	21.8	17.7	19.6
14	27.5	24.0	25.6	---	---	---	27.7	24.8	26.1	23.5	20.0	21.4
15	27.5	24.7	26.0	---	---	---	28.4	24.5	26.1	25.9	20.8	22.5
16	26.0	23.6	24.8	---	---	---	28.4	24.8	26.1	25.0	21.2	22.5
17	24.7	21.7	23.2	---	---	---	26.1	25.0	25.4	24.1	20.5	22.0
18	23.7	20.3	22.0	---	---	---	25.0	23.4	24.1	24.4	20.7	22.0
19	23.0	20.6	21.8	---	---	---	26.3	23.3	24.6	23.7	20.2	21.6
20	23.4	20.9	22.0	29.3	25.9	27.2	27.0	24.3	25.5	25.3	20.9	22.5
21	23.0	19.4	21.2	28.1	25.3	26.7	28.0	24.7	26.0	24.1	20.6	22.1
22	23.2	20.3	21.8	28.8	25.4	26.7	26.4	23.4	24.9	24.4	20.1	21.8
23	24.0	20.3	22.2	27.6	24.8	26.1	25.0	23.5	24.0	23.9	20.3	21.8
24	24.9	21.0	22.8	26.5	23.6	25.0	24.9	22.7	23.6	22.2	20.8	21.5
25	24.1	21.0	22.7	28.4	23.6	25.6	24.8	21.9	23.1	23.3	21.0	21.9
26	24.2	21.8	22.9	29.5	24.8	26.7	23.6	20.5	21.8	22.9	21.2	22.0
27	25.4	22.3	23.8	29.7	25.2	27.1	23.3	21.4	22.3	23.6	20.5	21.4
28	24.8	23.5	24.1	28.0	25.0	26.4	24.9	22.3	23.2	22.3	18.8	19.9
29	24.6	23.2	23.9	25.9	23.9	24.4	24.8	22.1	23.3	20.9	18.3	19.3
30	26.7	23.6	25.0	25.3	23.4	24.2	25.7	22.8	24.1	---	---	---
31	---	---	---	24.5	23.4	24.0	26.8	23.7	24.6	---	---	---
MONTH	27.5	17.3	22.8	---	---	---	28.4	20.5	24.5	---	---	---

02077280 HYCO LAKE AT DAM NEAR ROXBORO, NC

LOCATION.--Lat 36°30'42", long 79°02'49", Person County, Hydrologic Unit 03010104, at spillway, off dam on Hyco River, 4.5 mi above Ghents Creek and 8 mi northwest of Roxboro.

DRAINAGE AREA.--189 mi².

PERIOD OF RECORD.--October 1986 to current year.

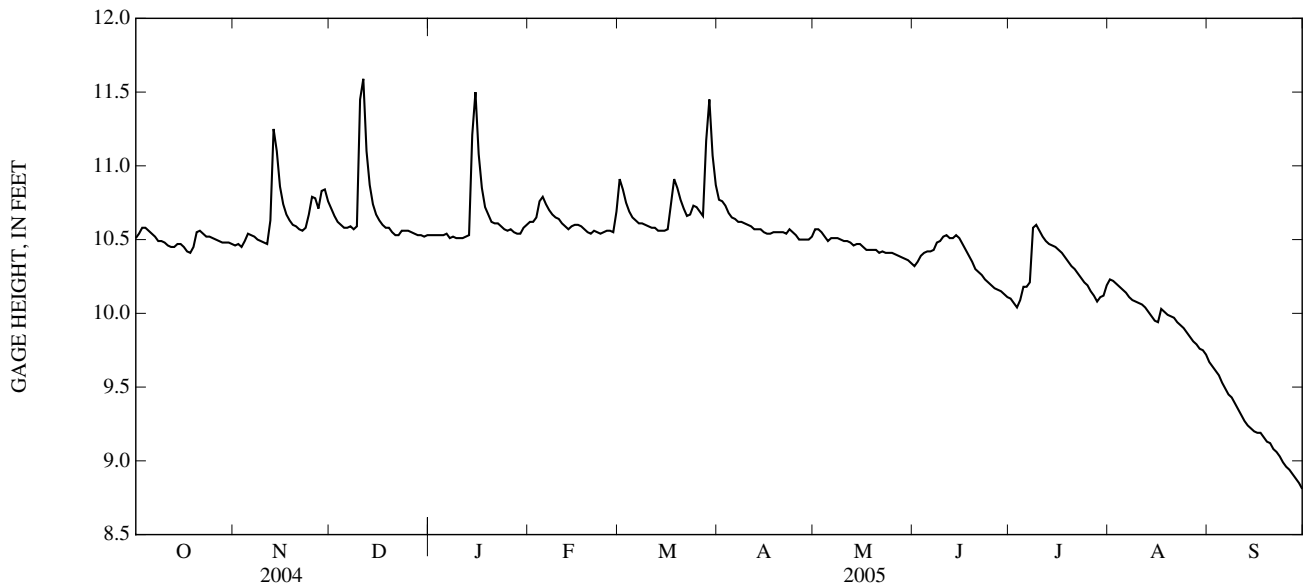
GAGE.--Water-stage recorder. Datum of gage is 399.79 ft above NGVD of 1929. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 13.68 ft, Sept. 6, 1996; minimum gage height, 7.54, Jan. 2, 6, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.83 ft, Dec. 11; minimum gage height, 8.79 ft, Sept. 30.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.51	10.46	10.71	10.53	10.62	10.91	10.77	10.57	10.32	10.10	10.23	9.67
2	10.54	10.47	10.66	10.53	10.62	10.84	10.76	10.57	10.35	10.07	10.22	9.64
3	10.58	10.45	10.62	10.53	10.65	10.75	10.73	10.55	10.39	10.04	10.20	9.61
4	10.58	10.49	10.60	10.53	10.76	10.69	10.68	10.52	10.41	10.09	10.18	9.58
5	10.56	10.54	10.58	10.53	10.79	10.65	10.65	10.49	10.42	10.18	10.16	9.53
6	10.54	10.53	10.58	10.54	10.74	10.63	10.64	10.51	10.42	10.18	10.14	9.49
7	10.52	10.52	10.59	10.51	10.70	10.61	10.62	10.51	10.43	10.21	10.11	9.45
8	10.49	10.50	10.57	10.52	10.67	10.61	10.62	10.51	10.48	10.21	10.09	9.43
9	10.49	10.49	10.59	10.51	10.65	10.60	10.61	10.50	10.49	10.21	10.08	9.39
10	10.48	10.48	11.45	10.51	10.64	10.59	10.60	10.49	10.52	10.56	10.07	9.35
11	10.46	10.47	11.59	10.51	10.61	10.58	10.59	10.49	10.53	10.52	10.06	9.31
12	10.45	10.63	11.10	10.52	10.59	10.58	10.57	10.48	10.51	10.49	10.04	9.27
13	10.45	11.25	10.87	10.53	10.57	10.56	10.57	10.46	10.51	10.47	10.01	9.24
14	10.47	11.10	10.74	11.21	10.59	10.56	10.57	10.47	10.53	10.46	9.98	9.22
15	10.47	10.86	10.67	11.50	10.60	10.56	10.55	10.47	10.51	10.45	9.95	9.20
16	10.45	10.74	10.63	11.08	10.60	10.57	10.54	10.45	10.47	10.43	9.94	9.19
17	10.42	10.67	10.60	10.85	10.59	10.74	10.54	10.43	10.43	10.41	10.03	9.19
18	10.41	10.63	10.58	10.72	10.57	10.91	10.55	10.43	10.39	10.38	10.01	9.16
19	10.45	10.60	10.58	10.67	10.55	10.85	10.55	10.43	10.35	10.35	9.99	9.13
20	10.55	10.59	10.55	10.62	10.54	10.77	10.55	10.43	10.30	10.32	9.98	9.12
21	10.56	10.57	10.53	10.61	10.56	10.71	10.55	10.41	10.28	10.30	9.97	9.08
22	10.54	10.56	10.53	10.61	10.55	10.66	10.54	10.42	10.26	10.27	9.94	9.06
23	10.52	10.58	10.56	10.59	10.54	10.67	10.57	10.41	10.23	10.24	9.92	9.03
24	10.52	10.67	10.56	10.57	10.55	10.73	10.55	10.41	10.21	10.21	9.90	8.99
25	10.51	10.79	10.56	10.56	10.56	10.72	10.53	10.41	10.19	10.19	9.87	8.96
26	10.50	10.78	10.55	10.57	10.56	10.69	10.50	10.40	10.17	10.15	9.84	8.94
27	10.49	10.71	10.54	10.55	10.55	10.66	10.50	10.39	10.16	10.12	9.81	8.91
28	10.48	10.83	10.53	10.54	10.69	11.17	10.50	10.38	10.15	10.08	9.79	8.88
29	10.48	10.84	10.53	10.54	---	11.45	10.50	10.37	10.13	10.11	9.76	8.85
30	10.48	10.76	10.52	10.58	---	11.07	10.52	10.36	10.11	10.12	9.75	8.81
31	10.47	---	10.53	10.60	---	10.87	---	10.34	---	10.19	9.72	---
MEAN	10.50	10.65	10.67	10.64	10.61	10.74	10.58	10.45	10.36	10.29	9.99	9.22
MAX	10.58	11.25	11.59	11.50	10.79	11.45	10.77	10.57	10.53	10.60	10.23	9.67
MIN	10.41	10.45	10.52	10.51	10.54	10.56	10.50	10.34	10.11	10.04	9.72	8.81



0207730290 AFTERBAY RESERVIOR AT DAM NEAR McGEHEES MILL, NC

LOCATION.--Lat 36°31'21", long 78°59'51", Person County, Hydrologic Unit 03010104, on Afterbay Reservoir dam on Hyco River, 1.2 mi upstream from Ghent Creek, and 1.8 mi northeast of McGehees Mill.

DRAINAGE AREA.--202 mi².

PERIOD OF RECORD.--January 1996 to current year.

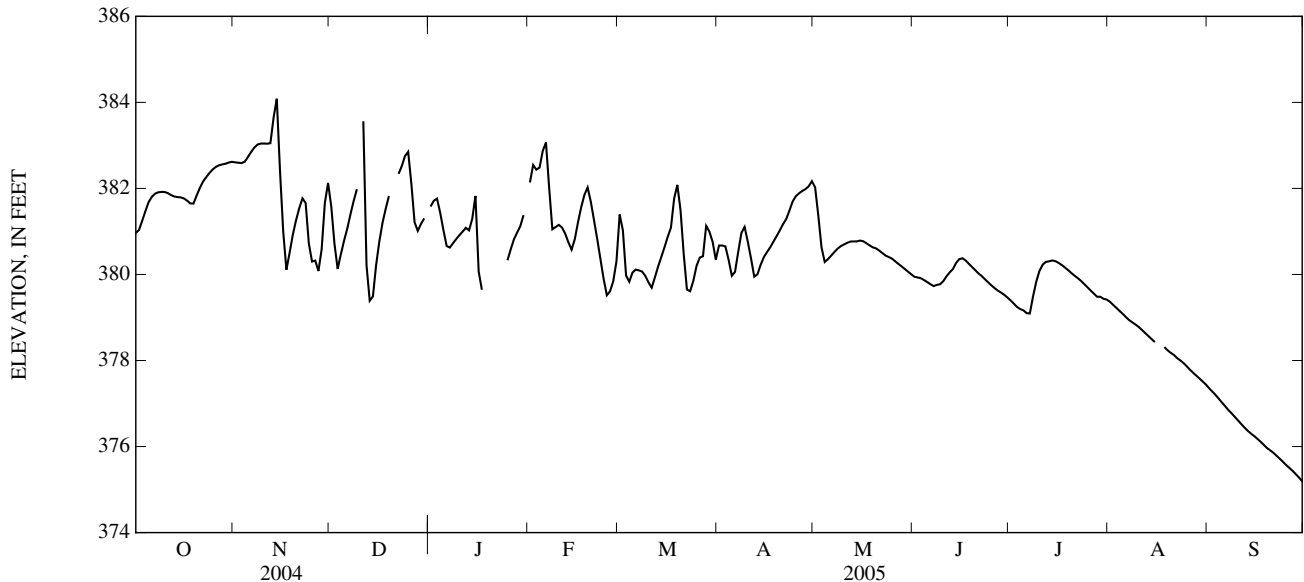
GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 391.11 ft, Sept. 7, 1996; minimum elevation not determined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 384.34 ft, Nov. 14; minimum elevation, 375.15, Sept. 30.

ELEVATION, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	380.96	382.61	381.58	381.58	382.14	381.39	380.67	382.02	379.95	379.40	379.37	377.35
2	381.03	382.60	380.71	381.71	382.54	381.03	380.67	381.36	379.93	379.32	379.29	377.27
3	381.25	382.59	380.13	381.76	382.44	379.98	380.65	380.63	379.91	379.25	379.22	377.20
4	381.47	382.62	380.47	381.43	382.48	379.83	380.34	380.29	379.87	379.20	379.15	377.11
5	381.68	382.73	380.79	381.03	382.87	380.04	379.97	380.36	379.82	379.17	379.08	377.02
6	381.80	382.85	381.07	380.66	383.07	380.11	380.06	380.44	379.77	379.10	379.01	376.93
7	381.88	382.95	381.40	380.63	382.01	380.10	380.53	380.52	379.73	379.09	378.94	376.85
8	381.91	383.02	381.71	380.73	381.05	380.07	380.97	380.60	379.76	379.49	378.89	376.77
9	381.92	383.04	381.98	380.82	381.10	379.97	381.10	380.66	379.77	379.83	378.84	376.69
10	381.92	383.04	---	380.91	381.15	379.82	380.75	380.70	379.84	380.08	378.78	376.61
11	381.89	383.04	383.56	381.00	381.09	379.69	380.37	380.73	379.96	380.23	378.71	376.52
12	381.85	383.05	380.21	381.08	380.95	379.93	379.95	380.76	380.05	380.29	378.64	376.44
13	381.81	383.65	379.39	381.03	380.75	380.19	380.00	380.77	380.13	380.30	378.57	376.37
14	381.80	384.08	379.49	381.29	380.58	380.41	380.22	380.77	380.27	380.33	378.50	376.30
15	381.79	382.42	380.22	381.82	380.82	380.63	380.40	380.79	380.36	380.31	378.43	376.24
16	381.77	381.00	380.77	380.07	381.21	380.87	380.52	380.77	380.38	380.27	---	376.18
17	381.72	380.11	381.20	379.65	381.57	381.09	380.63	380.73	380.32	380.22	---	376.11
18	381.65	380.50	381.53	---	381.85	381.77	380.76	380.68	380.25	380.16	378.31	376.04
19	381.65	380.92	381.82	---	382.02	382.08	380.89	380.63	380.17	380.10	378.24	375.97
20	381.84	381.26	---	---	381.69	381.49	381.03	380.61	380.10	380.03	378.18	375.91
21	382.01	381.54	---	---	381.26	380.47	381.17	380.55	380.02	379.97	378.13	375.85
22	382.16	381.77	382.34	---	380.82	379.65	381.29	380.50	379.96	379.91	378.05	375.79
23	382.26	381.66	382.52	---	380.36	379.61	381.49	380.44	379.89	379.85	378.00	375.72
24	382.36	380.72	382.75	---	379.90	379.86	381.70	380.40	379.82	379.77	377.94	375.64
25	382.44	380.30	382.85	380.33	379.52	380.20	381.82	380.37	379.75	379.70	377.86	375.57
26	382.50	380.32	382.11	380.58	379.61	380.39	381.89	380.31	379.68	379.63	377.78	375.50
27	382.54	380.08	381.21	380.82	379.84	380.42	381.94	380.24	379.63	379.55	377.71	375.44
28	382.56	380.58	381.01	380.97	380.31	381.13	381.98	380.19	379.58	379.48	377.65	375.36
29	382.57	381.66	381.18	381.13	---	381.00	382.05	380.13	379.53	379.48	377.58	375.28
30	382.60	382.13	381.30	381.38	---	380.76	382.17	380.06	379.46	379.43	377.51	375.19
31	382.62	---	---	---	---	380.35	---	380.00	---	379.42	377.44	---
MEAN	381.94	381.96	381.31	380.97	381.25	380.46	380.93	380.58	379.92	379.75	378.41	376.24
MAX	382.62	384.08	383.56	381.82	383.07	382.08	382.17	382.02	380.38	380.33	379.37	377.35
MIN	380.96	380.08	379.39	379.65	379.52	379.61	379.95	380.00	379.46	379.09	377.44	375.19



02077303 HYCO RIVER BELOW AFTERBAY DAM NEAR MCGEHEES MILL, NC

LOCATION.--Lat 36°31'21", long 78°59'51", Person County, Hydrologic Unit 03010104, on left bank 200 ft downstream from Afterbay Reservoir dam of Carolina Power and Light Company, 1.2 mi upstream from Ghent Creek, and 1.8 mi east-northeast of McGehees Mill.

DRAINAGE AREA.--202 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1973 to current year.

REVISED RECORDS.--WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 342.98 ft above NGVD of 1929 (levels by Carolina Power and Light Company). From August 1964 to September 1973, records published as "Hyco River at McGehees Mill, NC" at site 2.8 mi upstream, at datum 349.78 ft. Water-temperature recorder operated at site 600 ft downstream on right bank from June 1974 to Sept. 1995. Satellite telemetry at station.

REMARKS.--Records good, except those for estimated daily discharges, which are poor. Flow regulated by Roxboro Steam-Electric Generating Plant Afterbay Reservoir. Minimum discharge for water current year also occurred Nov. 18, Dec. 3, 5.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	19	313	18	23	379	218	171	19	19	21	29
2	24	20	308	19	61	556	219	188	19	19	21	24
3	21	20	87	75	183	438	219	185	18	21	20	24
4	22	20	19	120	182	119	215	20	18	21	20	24
5	20	20	19	120	183	120	162	19	19	20	21	25
6	20	22	18	98	299	118	34	19	19	20	21	25
7	20	21	17	19	510	117	20	19	19	21	22	24
8	19	21	18	19	204	119	20	20	19	24	22	23
9	20	22	19	20	122	119	128	20	19	21	22	21
10	19	22	1,600	19	120	118	151	20	19	22	22	21
11	21	21	2,960	19	121	79	149	19	19	21	22	21
12	21	291	1,850	19	120	24	109	19	19	21	22	21
13	21	1,090	556	125	119	23	22	19	19	20	24	20
14	20	1,140	86	1,250	95	24	21	19	19	21	22	20
15	20	1,000	20	2,150	22	24	22	19	19	20	21	20
16	20	472	19	1,380	22	25	22	19	20	20	e21	20
17	19	199	19	361	23	182	22	19	20	20	e21	20
18	19	18	19	173	24	280	22	19	21	22	21	20
19	18	18	20	173	67	434	21	18	21	21	21	21
20	20	18	20	127	149	438	21	19	20	21	20	22
21	19	18	19	67	146	424	21	19	21	22	20	20
22	19	18	19	70	145	185	21	19	20	20	20	21
23	19	217	18	70	144	140	21	19	20	21	20	20
24	19	309	19	69	145	139	22	19	20	22	20	20
25	19	280	110	34	107	142	21	19	20	20	21	20
26	20	248	218	22	24	142	21	19	20	20	21	19
27	22	203	168	22	24	142	21	19	19	21	20	23
28	21	120	21	23	25	1,050	21	19	19	21	20	22
29	21	122	19	23	---	2,070	20	19	20	21	23	20
30	20	265	19	23	---	1,060	20	19	19	21	26	21
31	19	---	19	23	---	339	---	19	---	21	28	---
TOTAL	623	6,274	8,636	6,750	3,409	9,569	2,026	1,079	583	645	666	651
MEAN	20.1	209	279	218	122	309	67.5	34.8	19.4	20.8	21.5	21.7
MAX	24	1,140	2,960	2,150	510	2,070	219	188	21	24	28	29
MIN	18	18	17	18	22	23	20	18	18	19	20	19

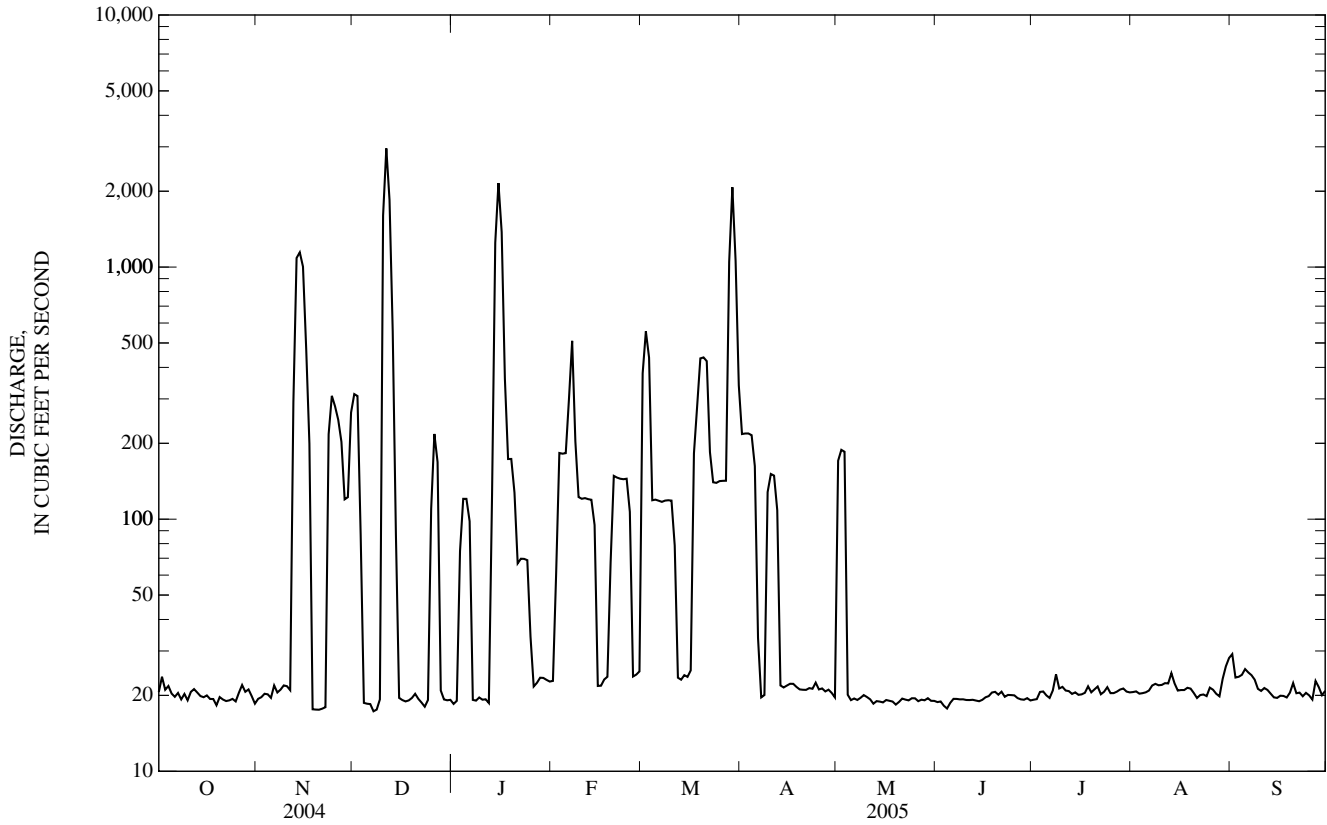
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2005, BY WATER YEAR (WY)

MEAN	55.4	69.3	126	331	305	405	242	122	85.8	90.4	68.9	120
MAX	351	398	432	1,201	926	1,165	712	864	528	1,058	294	675
(WY)	(1996)	(2003)	(2003)	(1978)	(1979)	(1993)	(2003)	(1978)	(2003)	(1975)	(1982)	(1974)
MIN	3.47	2.40	2.19	2.76	4.38	6.02	5.21	4.22	3.96	6.14	1.08	1.55
(WY)	(1999)	(1998)	(1998)	(2001)	(2002)	(2002)	(2002)	(2002)	(1974)	(2002)	(1999)	(1977)

02077303 HYCO RIVER BELOW AFTERBAY DAM NEAR MCGEHEES MILL, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1974 - 2005	
ANNUAL TOTAL	37,270		40,911		168	
ANNUAL MEAN	102		112		394	
HIGHEST ANNUAL MEAN					5.11	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	2,960	Dec 11	2,960	Dec 11	9,280	Jul 14, 1975
LOWEST DAILY MEAN	14	Aug 12	17	Dec 7	0.27	Nov 2, 1997
ANNUAL SEVEN-DAY MINIMUM	15	Aug 9	19	May 29	0.45	Aug 3, 1999
MAXIMUM PEAK FLOW			3,040		11,300	
MAXIMUM PEAK STAGE			15.17		24.40	
INSTANTANEOUS LOW FLOW			16*		0.00	
10 PERCENT EXCEEDS	217		217	Nov 17	378	Jun 26, 1980
50 PERCENT EXCEEDS	22		21		31	
90 PERCENT EXCEEDS	16		19		9.4	

* See REMARKS.
e Estimated.



02077303 HYCO RIVER BELOW AFTERBAY DAM NEAR MCGEHEES MILL, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1974 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1981 to September 1983.

WATER TEMPERATURE: June 1974 to current year.

INSTRUMENTATION.--Temperature recorder since June 1974. Water-quality monitor from Oct. 1981 to Sept. 1983.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 197 microsiemens, Dec. 6, 1981; minimum, 89 microsiemens, May 16, 1983.

WATER TEMPERATURE: Maximum recorded, 33.5°C, July 20, 21, 22, 1977; minimum recorded, 1.0°C, Jan. 6, 2002.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum recorded, 26.4°C, Aug. 5; minimum recorded, 8.1°C, Dec. 27, 28.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.4	19.5	19.9	19.5	19.0	19.3	14.9	14.6	14.8	11.2	9.8	10.4
2	21.2	20.1	20.6	19.5	18.9	19.3	14.6	14.3	14.5	10.8	9.9	10.3
3	21.2	20.3	20.8	19.7	19.0	19.4	15.2	13.3	14.2	10.2	9.2	9.6
4	22.0	21.0	21.5	19.0	18.3	18.5	14.9	12.9	13.6	10.5	9.5	10.2
5	22.3	21.1	21.8	18.3	17.9	18.1	14.8	12.8	13.6	10.7	10.2	10.4
6	21.8	21.3	21.6	17.9	17.5	17.7	14.2	13.6	14.0	12.2	10.5	11.3
7	22.0	21.1	21.6	18.0	17.3	17.7	15.4	14.0	14.8	11.9	11.1	11.5
8	22.0	21.0	21.4	17.9	17.4	17.7	15.6	13.6	14.5	11.8	10.7	11.3
9	21.6	20.9	21.3	17.4	16.9	17.1	13.7	10.9	12.7	11.4	10.1	10.7
10	22.1	21.2	21.6	17.1	16.4	16.7	13.7	10.5	13.1	11.8	9.9	10.8
11	21.7	21.0	21.4	17.1	16.3	16.7	15.2	13.6	14.5	11.6	10.3	10.9
12	21.5	20.7	21.1	17.1	16.4	16.9	15.6	15.2	15.4	12.2	10.5	11.4
13	21.3	21.0	21.1	17.0	16.3	16.8	15.4	14.4	15.0	12.1	11.2	11.6
14	21.6	20.9	21.2	16.3	15.9	16.0	14.6	13.3	14.0	13.0	11.6	12.1
15	21.4	20.5	21.0	17.2	16.0	16.6	16.6	12.6	13.4	12.9	11.6	12.0
16	20.6	20.0	20.3	16.9	16.6	16.7	13.8	12.0	12.8	13.5	12.9	13.3
17	20.4	19.6	19.9	17.7	15.7	16.5	19.9	12.4	13.5	13.3	12.1	12.6
18	20.0	19.4	19.7	17.2	15.8	16.5	19.5	12.2	14.8	12.1	11.2	11.5
19	20.6	19.9	20.2	17.4	16.2	16.7	13.3	10.9	12.1	11.2	10.4	10.8
20	19.9	19.6	19.7	17.5	16.2	16.7	11.2	9.9	10.4	10.4	9.9	10.2
21	19.6	19.5	19.5	17.6	16.2	16.8	16.7	10.1	12.2	---	---	---
22	19.5	19.2	19.4	16.7	16.0	16.4	15.9	10.4	12.5	---	---	---
23	19.2	18.9	19.1	16.7	16.4	16.6	12.6	11.1	11.7	---	---	---
24	19.1	18.9	19.0	16.8	16.5	16.6	11.2	10.3	10.7	---	---	---
25	19.3	18.9	19.1	16.9	16.1	16.6	10.8	8.9	9.8	---	---	---
26	19.2	18.6	18.9	16.1	15.7	15.9	8.9	8.5	8.7	---	---	---
27	18.8	18.5	18.7	15.7	11.8	15.1	8.7	8.1	8.3	---	---	---
28	18.9	18.7	18.8	15.4	11.8	14.8	12.8	8.1	9.7	---	---	---
29	19.0	18.8	18.9	14.9	14.6	14.7	13.3	8.8	10.9	---	---	---
30	19.6	18.9	19.3	14.8	14.4	14.6	10.4	9.3	9.9	---	---	---
31	19.6	19.1	19.4	---	---	---	10.6	9.3	9.9	---	---	---
MONTH	22.3	18.5	20.3	19.7	11.8	16.9	19.9	8.1	12.6	---	---	---

02077303 HYCO RIVER BELOW AFTERBAY DAM NEAR MCGEHEES MILL, NC—Continued

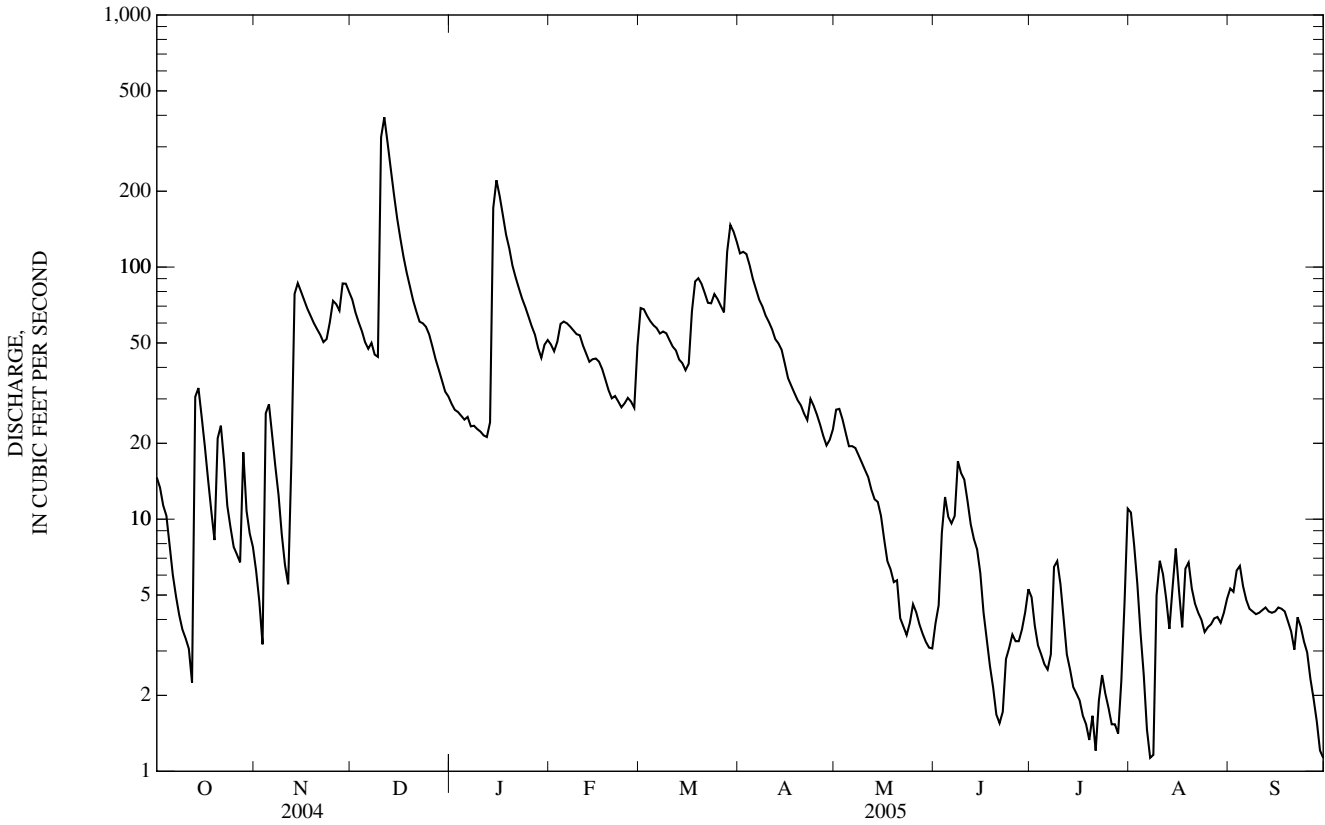
TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	16.0	15.5	15.8	19.1	16.6	18.1
2	---	---	---	---	---	---	16.8	15.4	16.1	18.5	17.6	18.0
3	---	---	---	---	---	---	16.1	15.5	15.8	18.3	17.1	17.9
4	---	---	---	---	---	---	16.4	15.5	15.9	17.4	15.6	16.6
5	---	---	---	---	---	---	16.2	15.6	15.9	16.8	15.6	16.1
6	---	---	---	---	---	---	17.1	14.7	15.7	16.1	15.0	15.6
7	---	---	---	---	---	---	16.9	15.4	15.9	18.0	14.9	16.3
8	---	---	---	---	---	---	16.5	15.2	15.7	18.3	15.5	16.6
9	---	---	---	---	---	---	16.4	15.3	16.0	18.8	15.5	16.8
10	---	---	---	---	---	---	17.1	16.3	16.7	19.1	15.7	17.1
11	---	---	---	---	---	---	17.9	16.8	17.2	18.8	16.1	17.3
12	---	---	---	---	---	---	16.8	15.0	16.2	19.3	16.0	17.3
13	---	---	---	---	---	---	15.3	14.6	14.9	17.1	16.3	16.6
14	---	---	---	---	---	---	16.7	14.4	15.3	18.9	16.3	17.5
15	---	---	---	---	---	---	16.9	14.5	15.3	18.4	17.1	17.7
16	---	---	---	---	---	---	16.7	14.3	15.2	19.1	16.1	17.1
17	---	---	---	---	---	---	17.3	13.8	15.4	18.9	16.0	17.1
18	---	---	---	---	---	---	17.4	14.4	15.7	18.7	16.0	17.3
19	---	---	---	11.2	9.9	10.5	18.2	14.9	16.3	18.9	16.8	17.6
20	---	---	---	12.9	10.8	11.9	18.1	15.5	16.5	19.6	16.7	17.9
21	---	---	---	12.7	11.9	12.2	18.6	15.3	16.6	18.9	15.9	17.1
22	---	---	---	12.3	11.2	11.5	17.0	15.6	16.2	19.7	15.8	17.7
23	---	---	---	12.3	11.2	11.8	17.9	15.7	16.4	19.7	16.8	18.1
24	---	---	---	13.6	12.0	12.7	16.6	15.4	15.9	18.4	17.1	17.8
25	---	---	---	12.7	12.3	12.5	18.4	15.5	16.5	19.0	16.7	17.3
26	---	---	---	12.7	12.4	12.5	17.0	15.5	16.3	20.4	16.9	18.4
27	---	---	---	12.8	12.4	12.6	17.4	15.6	16.6	19.8	17.0	18.4
28	---	---	---	13.9	11.9	13.3	18.5	14.9	16.5	19.0	17.5	18.2
29	---	---	---	15.3	13.8	14.6	17.0	16.1	16.4	19.1	17.0	18.2
30	---	---	---	15.9	15.0	15.3	17.1	16.0	16.6	19.9	17.5	18.4
31	---	---	---	16.1	15.3	15.6	---	---	---	20.0	17.5	18.5
MONTH	---	---	---	---	---	---	18.6	13.8	16.1	20.4	14.9	17.4
	JUNE			JULY			AUGUST			SEPTEMBER		
1	18.6	17.4	18.1	24.6	21.9	23.1	25.8	24.8	25.2	26.1	25.1	25.5
2	18.0	17.4	17.7	24.1	22.0	22.8	26.1	25.0	25.5	26.0	24.6	25.2
3	18.9	17.6	18.3	23.8	21.5	22.5	26.3	25.2	25.7	25.9	24.3	25.0
4	20.0	18.3	19.0	23.8	22.0	22.8	26.3	25.2	25.7	25.9	24.9	25.2
5	21.0	18.3	19.4	25.0	22.3	23.5	26.4	25.2	25.8	25.8	24.8	25.1
6	21.3	18.4	19.6	25.4	22.7	23.9	26.2	25.3	25.6	25.8	24.5	25.0
7	21.2	18.9	19.7	24.2	22.7	23.5	25.9	25.1	25.4	25.7	24.3	24.8
8	21.1	18.9	19.8	23.9	23.0	23.4	25.7	25.0	25.3	25.8	24.2	24.8
9	21.3	19.0	19.9	23.7	22.4	23.1	25.4	25.0	25.2	25.7	24.3	24.8
10	21.4	19.2	20.0	23.8	22.6	23.2	25.6	24.9	25.2	25.5	24.3	24.7
11	21.2	19.4	20.0	23.6	23.0	23.3	25.9	24.9	25.3	25.5	24.2	24.6
12	20.9	19.1	20.0	24.2	23.1	23.6	25.9	25.0	25.4	25.3	23.9	24.4
13	21.3	19.8	20.4	24.1	23.4	23.7	25.8	25.0	25.4	25.2	24.1	24.6
14	22.2	19.5	20.7	23.6	23.2	23.4	25.9	24.9	25.4	25.1	24.6	24.8
15	22.1	19.6	20.7	23.7	23.1	23.4	25.7	24.8	25.3	25.8	24.6	25.1
16	21.9	18.8	20.5	24.4	23.1	23.7	---	---	---	25.9	24.6	25.2
17	22.0	18.7	20.1	24.7	23.4	24.0	---	---	---	26.2	24.9	25.5
18	21.6	18.4	20.0	24.8	23.5	24.2	24.9	24.5	24.6	26.1	25.0	25.4
19	21.6	18.9	20.1	25.3	23.7	24.4	25.2	24.3	24.7	26.0	24.9	25.3
20	22.1	19.2	20.4	25.2	23.9	24.5	25.6	24.3	24.9	26.2	25.1	25.6
21	22.7	18.9	20.8	25.2	23.8	24.4	26.0	24.7	25.3	26.2	25.3	25.7
22	22.8	19.9	21.4	25.4	24.1	24.7	25.6	24.6	25.1	26.0	25.0	25.4
23	23.1	19.9	21.4	25.3	24.1	24.7	25.0	24.4	24.6	26.2	25.0	25.6
24	23.4	20.1	21.6	25.0	23.9	24.5	25.0	24.3	24.6	25.6	25.3	25.4
25	23.5	20.2	21.7	25.8	24.1	24.9	25.3	24.4	24.8	25.5	25.0	25.2
26	22.9	20.9	21.9	25.9	24.5	25.2	25.0	24.0	24.5	25.6	24.9	25.2
27	23.2	21.3	22.3	26.3	24.8	25.5	24.8	24.3	24.5	26.0	24.7	25.2
28	23.1	21.7	22.4	25.8	25.1	25.5	25.4	24.5	24.8	25.6	24.3	24.8
29	23.1	21.6	22.3	25.4	24.9	25.1	25.3	24.5	24.9	24.9	24.1	24.5
30	24.5	21.7	22.9	25.4	24.8	25.1	25.7	24.7	25.2	24.4	23.7	23.9
31	---	---	---	25.3	24.8	25.1	26.0	25.3	25.6	---	---	---
MONTH	24.5	17.4	20.4	26.3	21.5	24.0	---	---	---	26.2	23.7	25.1

02077670 MAYO CREEK NEAR BETHEL HILL, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1977 - 2005	
ANNUAL TOTAL	14,430.7		12,883.2		40.3	
ANNUAL MEAN	39.4		35.3		111	
HIGHEST ANNUAL MEAN					2003	
LOWEST ANNUAL MEAN					1981	
HIGHEST DAILY MEAN	600	Aug 31	393	Dec 11	2,260	Sep 7, 1996
LOWEST DAILY MEAN	2.2	Oct 12	1.1	Aug 7	0.00	Jul 31, 1977
ANNUAL SEVEN-DAY MINIMUM	2.7	Jul 19	1.6	Jul 16	0.00	Jul 31, 1977
MAXIMUM PEAK FLOW			439	Dec 10	3,950	Apr 26, 1978
MAXIMUM PEAK STAGE			5.77	Dec 10	10.83	Apr 26, 1978
INSTANTANEOUS LOW FLOW					0.00*	Jul 31, 1977
10 PERCENT EXCEEDS	71		80		102	
50 PERCENT EXCEEDS	25		19		9.1	
90 PERCENT EXCEEDS	3.1		2.9		1.7	

* See REMARKS.
e Estimated.



02080500 ROANOKE RIVER AT ROANOKE RAPIDS, NC

LOCATION.--Lat 36°27'36", long 77°38'01", Halifax County, Hydrologic Unit 03010107, on right bank 1.2 mi downstream of bridge on State Highway 48 at Roanoke Rapids, 2.5 mi upstream from Chockoyotte Creek, 2.8 mi downstream of Roanoke Rapids dam, and 133.6 mi upstream from mouth in Albemarle Sound.

DRAINAGE AREA.--8,384 mi².

PERIOD OF RECORD.--December 1911 to current year. Prior to January 1933, published as "Roanoke River at Old Gaston". Records published for both sites February 1930 to December 1932. Gage-height records collected at site of auxiliary gage since November 1890 are contained in reports of National Weather Service, NOAA, U.S. Department of Commerce.

REVISED RECORDS.--WSP 712: 1930. WSP 822: 1936. WSP 1032: 1912, 1928(M), 1930(M), 1932-33(M). WSP 1433: 1912-23, 1925-28, 1930, 1932-33, 1935, 1937-39. WSP 1904: 1958, 1960. WDR NC-83-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 43.84 ft above NGVD of 1929. Dec. 7, 1911, to Nov. 21, 1921, and Apr. 7 to Dec. 31, 1932, nonrecording gage and Nov. 21, 1921, to Apr. 7, 1932, water-stage recorder, both at site 9 mi upstream at different datum. Aug. 6, 1941, to Mar. 1, 1973, auxiliary water-stage recorder, 3.6 mi downstream of base gage. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow regulated since August 1950 by Philpott Lake on Smith River, usable capacity, 6,325,000,000 ft³; since September 1950 by John H. Kerr Reservoir, usable capacity, 101,247,000,000 ft³; since June 1955 by Roanoke Rapids Lake (station 02080100); since September 1962 by Leesville Lake; since October 1962 by Lake Gaston (station 02079964); and since September 1963 by Smith Mountain Lake. Prior to regulation, maximum discharge: 261,000 ft³/s, Aug. 18, 1940; gage height: 39.0 ft, from floodmarks; minimum discharge: about 250 ft³/s, Dec. 16, 1955. Minimum discharge for current water year also occurred Sept. 29.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in November 1877, discharge, 212,000 ft³/s, reached a stage about 2 ft lower at Old Gaston than flood in August 1940 which was 21.5 ft. Flood in August 1940 is the maximum known since at least 1771.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11,300	8,200	14,400	13,300	9,960	6,090	19,000	7,600	6,590	2,790	2,840	2,930
2	11,500	8,160	14,300	12,600	5,330	7,560	18,600	7,610	6,600	2,920	3,000	3,230
3	e12,300	8,340	13,300	15,800	5,000	8,090	18,500	7,620	6,590	3,010	3,890	3,250
4	11,300	7,800	9,960	12,700	7,410	8,140	18,500	7,620	6,580	2,920	3,580	3,500
5	10,700	8,050	9,580	14,000	7,080	7,820	18,500	7,620	6,580	4,410	3,200	3,510
6	10,700	5,800	9,630	15,900	7,550	8,270	18,700	7,670	6,600	4,120	3,120	3,470
7	11,000	6,090	9,450	12,300	8,070	8,240	18,800	7,650	6,600	3,410	3,190	3,480
8	10,900	6,390	9,740	11,300	7,350	8,230	18,800	7,620	6,610	3,220	2,930	3,480
9	11,100	6,630	13,200	11,200	7,510	8,440	14,400	7,570	6,620	2,740	2,900	3,060
10	9,580	6,680	13,000	11,000	7,500	8,220	14,300	7,650	6,600	2,750	3,270	2,590
11	11,000	6,850	13,700	8,280	7,280	8,580	9,890	7,660	6,970	7,740	6,030	2,680
12	10,600	6,840	13,600	5,720	7,350	7,750	9,740	7,650	7,000	6,550	4,930	2,760
13	11,100	5,410	14,000	6,980	7,340	8,090	8,360	7,670	6,980	8,420	5,860	2,690
14	10,900	5,260	15,700	8,880	5,010	8,030	8,090	6,770	6,980	8,680	7,210	2,690
15	11,100	7,250	15,100	8,090	5,630	8,040	8,100	6,620	7,000	8,470	7,620	2,840
16	e12,400	8,320	14,900	8,660	7,040	8,030	8,170	6,770	8,900	7,910	3,850	2,640
17	e12,500	8,470	15,900	8,850	7,090	8,030	8,150	6,740	5,580	7,020	3,520	4,970
18	e12,300	7,870	14,500	9,090	7,070	8,010	8,140	6,670	2,960	7,720	4,490	2,610
19	11,300	8,010	15,700	13,800	7,310	15,100	8,130	6,680	3,000	7,850	3,880	3,580
20	11,300	5,030	15,900	14,200	7,290	15,100	8,180	6,670	6,400	8,220	4,410	4,090
21	11,300	7,980	16,000	17,400	3,940	15,100	8,220	6,620	6,400	8,050	4,180	2,250
22	11,300	6,840	15,800	17,400	4,060	15,200	8,270	6,610	6,430	5,090	4,290	3,570
23	10,800	8,390	16,100	17,500	4,040	8,620	8,300	6,570	7,040	3,160	4,070	4,250
24	11,200	9,210	16,200	17,500	7,480	8,170	8,260	6,560	7,130	3,340	3,440	2,980
25	13,100	8,690	16,100	17,500	5,410	8,160	8,290	6,570	2,980	2,850	3,470	2,920
26	10,800	8,770	16,100	14,600	3,350	8,150	8,120	6,580	3,010	3,470	3,430	7,220
27	11,300	8,610	16,200	14,800	3,720	8,200	8,110	6,560	2,990	6,900	3,760	2,830
28	11,300	8,760	16,200	15,100	5,470	8,130	8,080	6,550	2,990	3,510	3,460	2,830
29	11,400	8,180	15,700	10,900	---	12,900	7,950	6,520	3,090	3,470	3,250	2,810
30	8,910	8,130	13,900	9,830	---	19,600	7,590	6,520	2,980	3,060	3,160	2,820
31	8,030	---	15,500	9,930	---	19,000	---	6,570	---	2,970	2,970	---
TOTAL	344,320	225,010	439,360	385,110	178,640	305,090	344,240	218,360	172,780	156,740	123,200	98,530
MEAN	11,110	7,500	14,170	12,420	6,380	9,842	11,470	7,044	5,759	5,056	3,974	3,284
MAX	13,100	9,210	16,200	17,500	9,960	19,600	19,000	7,670	8,900	8,680	7,620	7,220
MIN	8,030	5,030	9,450	5,720	3,350	6,090	7,590	6,520	2,960	2,740	2,840	2,250
†	-3,465	+3,749	-2,220	-1,891	+1,409	+4,528	-2,292	-1,087	-1,344	+198	-738	-2,197

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005,* BY WATER YEAR (WY)

	5,801	6,296	7,625	9,625	10,370	10,760	11,470	10,280	7,708	6,186	5,382	5,509
MEAN	5,801	6,296	7,625	9,625	10,370	10,760	11,470	10,280	7,708	6,186	5,382	5,509
MAX	20,360	17,690	18,380	17,850	26,800	27,350	32,660	31,750	23,040	22,870	15,180	25,970
(WY)	(1980)	(1986)	(1973)	(1991)	(1998)	(1998)	(1993)	(1978)	(2003)	(2003)	(2003)	(1996)
MIN	2,031	1,987	2,046	2,037	2,014	1,910	1,951	2,446	2,365	2,581	2,519	2,186
(WY)	(1971)	(1987)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(1977)	(1970)	(1993)	(1968)

02080500 ROANOKE RIVER AT ROANOKE RAPIDS, NC—Continued

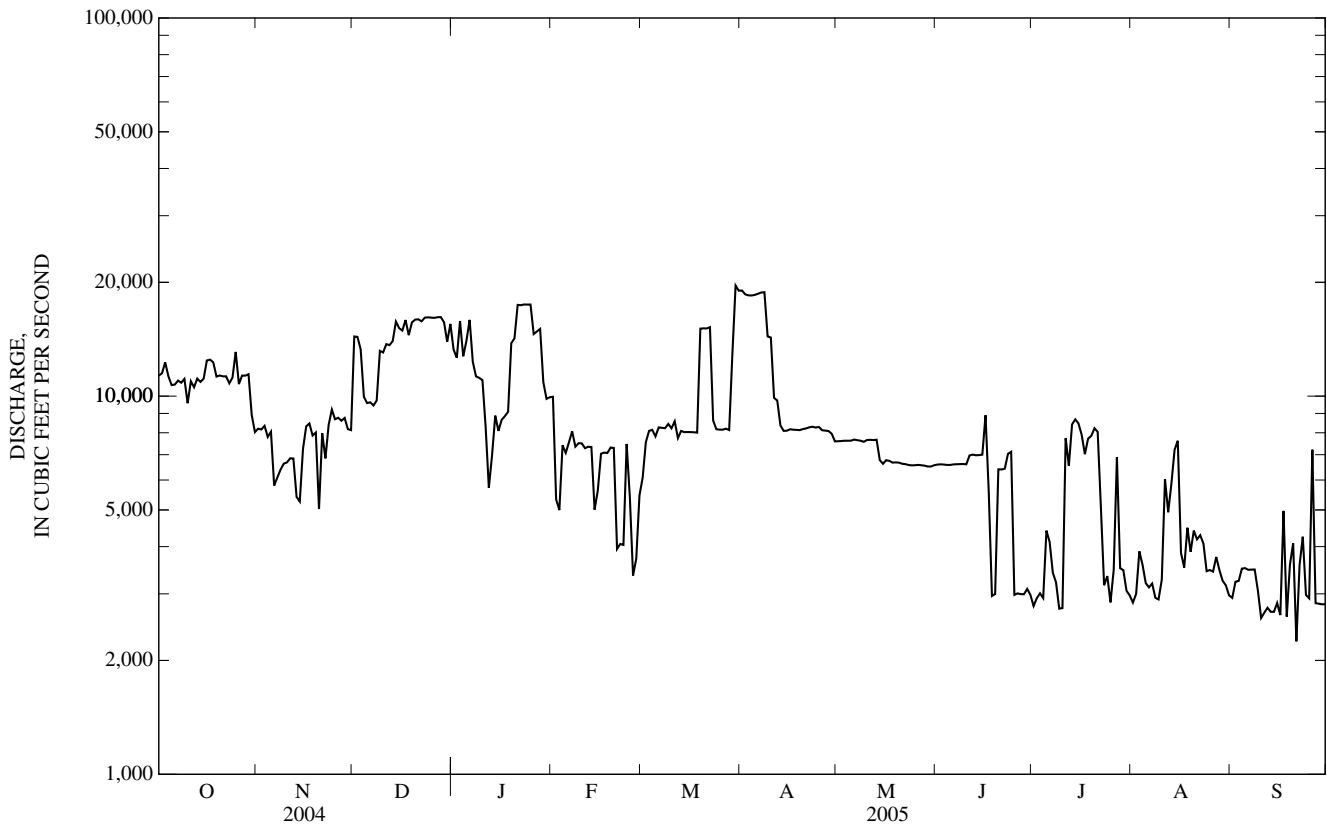
SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1964 - 2005*	
ANNUAL TOTAL	3,259,120		2,991,380		7,953 (UNADJUSTED)	
ANNUAL MEAN	8,905		8,196		2,361 (2003)	
HIGHEST ANNUAL MEAN			‡7736		2,361 (2002)	
LOWEST ANNUAL MEAN					36,000 (Sep 11, 1996)	
HIGHEST DAILY MEAN	20,500	Jan 1	19,600	Mar 30	818 (Nov 15, 1970)	
LOWEST DAILY MEAN	2,070	Mar 30	2,250	Sep 21	989 (Nov 5, 1986)	
ANNUAL SEVEN-DAY MINIMUM	2,260	Mar 25	2,700	Sep 10	37,700 (Apr 16, 1993)	
MAXIMUM PEAK FLOW			19,800	Dec 18	11.87 (Apr 16, 1993)	
MAXIMUM PEAK STAGE			8.75	Dec 18	760 (Nov 23, 1970)	
INSTANTANEOUS LOW FLOW			1,720	Sep 28		
10 PERCENT EXCEEDS	15,200		15,100		18,900	
50 PERCENT EXCEEDS	8,180		7,650		6,040	
90 PERCENT EXCEEDS	3,820		3,040		2,020	

† Change in contents, equivalent in cubic feet per second, in Leesville and Smith Mountain Lakes, provided by Appalachian Power Co.; Philpott and Kerr Reservoirs, provided by U.S. Army Corps of Engineers; and Lake Gaston and Roanoke Rapids Lake, provided by North Carolina Power Company.

* Regulated period only (1964-2005). See REMARKS.

‡ Adjusted for change in contents.

e Estimated.



LOCATION.--Lat 36°19'52", long 77°34'49", Halifax County, Hydrologic Unit 03010107, approximately 0.5 mi east of Halifax on private dirt road and 119 river mi from mouth.

DRAINAGE AREA.--8,450 mi².

ELEVATION RECORDS

PERIOD OF RECORD.--November 1996 to current year. Records from November 1996 to September 1997 are unpublished and available in the USGS Water Science Center, Raleigh, NC.

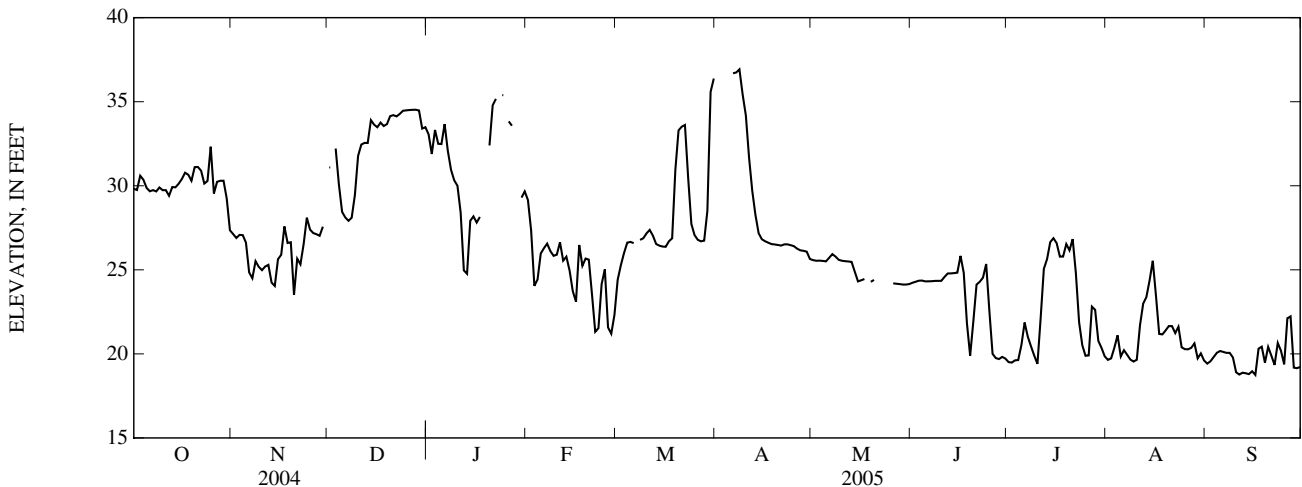
GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 47.24 ft, Mar. 31, 1998; minimum elevation, 16.43 ft, Dec. 8, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 37.12 ft, Apr. 8; minimum elevation, 17.80 ft, Sept. 29.

ELEVATION, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.82	27.13	31.09	33.06	29.15	24.40	---	25.57	24.23	19.51	19.64	19.42
2	29.75	26.89	---	31.89	27.34	25.28	---	25.54	24.29	19.48	19.73	19.56
3	30.60	27.08	32.22	33.32	24.05	26.01	---	25.55	24.35	19.61	20.37	19.82
4	30.36	27.06	30.08	32.50	24.43	26.62	---	25.53	24.36	19.63	21.10	20.06
5	29.87	26.62	28.45	32.48	25.97	26.66	---	25.50	24.31	20.53	19.85	20.17
6	29.67	24.85	28.11	33.67	26.29	26.59	36.69	25.71	24.32	21.86	20.22	20.11
7	29.74	24.50	27.92	32.08	26.56	---	36.74	25.93	24.32	21.02	19.95	20.06
8	29.66	25.51	28.10	30.95	26.12	26.78	36.93	25.79	24.34	20.45	19.66	20.06
9	29.90	25.18	29.45	30.32	25.83	26.88	35.44	25.59	24.34	19.90	19.54	19.79
10	29.74	24.98	31.78	30.00	25.90	27.16	34.19	25.54	24.34	19.41	19.65	18.90
11	29.74	25.20	32.45	28.41	26.64	27.38	31.68	25.51	24.58	22.13	21.70	18.77
12	29.40	25.30	32.55	24.96	25.55	27.03	29.70	25.50	24.78	25.06	22.99	18.88
13	29.92	24.24	32.54	24.76	25.78	26.54	28.26	25.47	24.79	25.64	23.38	18.85
14	29.91	24.04	33.90	27.92	24.96	26.44	27.17	24.89	24.81	26.65	24.37	18.80
15	30.12	25.63	33.64	28.18	23.72	26.38	26.82	24.31	24.83	26.88	25.54	18.97
16	30.40	25.89	33.48	27.81	23.10	26.37	26.70	24.38	25.83	26.59	23.43	18.75
17	30.78	27.58	33.76	28.15	26.48	26.70	26.61	24.45	24.82	25.78	21.18	20.31
18	30.66	26.60	33.55	---	25.24	26.87	26.53	---	21.81	25.79	21.16	20.43
19	30.30	26.64	33.67	---	25.67	30.93	26.51	24.29	19.89	26.53	21.40	19.47
20	31.11	23.51	34.14	32.40	25.60	33.29	26.48	24.40	21.93	26.16	21.65	20.41
21	31.12	25.66	34.20	34.79	23.51	33.51	26.44	---	24.12	26.83	21.65	19.89
22	30.89	25.33	34.13	35.17	21.32	33.62	26.51	---	24.29	24.80	21.24	19.34
23	30.13	26.53	34.27	---	21.53	30.49	26.51	---	24.53	21.88	21.61	20.65
24	30.28	28.10	34.46	35.39	24.16	27.72	26.47	---	25.35	20.51	20.39	20.18
25	32.32	27.39	34.49	---	25.02	27.06	26.41	---	22.55	19.89	20.28	19.38
26	29.54	27.19	34.50	33.83	21.57	26.79	26.26	24.20	20.00	19.91	20.27	22.12
27	30.24	27.12	34.52	33.57	21.20	26.70	26.16	24.17	19.75	22.81	20.36	22.23
28	30.30	27.02	34.52	---	22.32	26.74	26.13	24.15	19.69	22.62	20.62	19.18
29	30.30	27.57	34.48	---	---	28.50	26.08	24.12	19.82	20.77	19.73	19.15
30	29.24	---	33.40	29.30	---	35.59	25.64	24.12	19.72	20.35	20.03	19.22
31	27.35	---	33.49	29.66	---	36.38	---	24.15	---	19.85	19.61	---
MEAN	30.10	---	---	---	24.82	---	---	---	23.37	22.54	21.04	19.76
MAX	32.32	---	---	---	29.15	---	---	---	25.83	26.88	25.54	22.23
MIN	27.35	---	---	---	21.20	---	---	---	19.69	19.41	19.54	18.75



0208062765 ROANOKE RIVER AT HALIFAX, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1998 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1998 to current year.

pH: March 1998 to current year.

WATER TEMPERATURE: March 1998 to current year.

DISSOLVED OXYGEN: March 1998 to current year.

DISSOLVED OXYGEN, PERCENT SATURATION: March 1998 to current year.

INSTRUMENTATION.-- Water-quality monitor with satellite telemetry from March 1998 to current year.

REMARKS.--Station operated in cooperation with North Carolina Department of Environment and Natural Resources (DENR), Division of Water Resources, to define water-quality characteristics in the Roanoke River Basin below Roanoke Rapids Dam. Dissolved oxygen, percent saturation, is computed using a barometric pressure of 760 mm Hg beginning October 1, 2000.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	213, November 2, 2000	53, September 19, 2003
pH, standard units	8.7, March 12, 2004	6.1, September 16, 1999
WATER TEMPERATURE, °C	30.9, July 22, 1998	2.2, January 25, 28, 2003
DISSOLVED OXYGEN, mg/L	16.1, January 13, 1999	3.8, August 21, 22, 2003
DISSOLVED OXYGEN, PERCENT SATURATION, %	132, January 13, 14, 1999	47, June 27, 2001, August 21, 2003

EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	153, September 25, 28, 30	89, October 24
pH, standard units	8.3, May 27	6.6, August 19
WATER TEMPERATURE, °C	30.0 July 26	3.8, January 31
DISSOLVED OXYGEN, mg/L	12.6, March 4	4.3, July 27
DISSOLVED OXYGEN, PERCENT SATURATION, %	109, April 5	55, July 27

0208062765 ROANOKE RIVER AT HALIFAX, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	114	112	113	123	119	122	129	126	127	133	130	132
2	114	113	113	126	121	123	128	124	126	137	130	134
3	113	112	113	125	119	122	127	121	125	136	130	132
4	113	112	112	124	115	120	122	117	119	134	131	132
5	114	112	113	120	110	116	122	118	119	132	128	130
6	113	111	112	118	106	110	119	116	117	131	128	130
7	113	111	112	121	104	111	121	117	119	132	128	130
8	115	112	114	113	93	100	120	117	119	131	128	130
9	115	113	114	101	92	97	120	117	119	132	128	130
10	115	113	114	101	96	99	123	118	120	141	132	137
11	114	111	112	---	---	---	122	112	119	141	137	139
12	114	111	112	---	---	---	122	112	114	140	136	138
13	111	109	110	124	105	110	123	112	115	139	135	137
14	111	109	110	119	104	108	123	112	114	139	137	138
15	111	110	111	129	109	112	122	111	113	140	136	138
16	121	106	110	131	110	113	115	111	112	140	132	136
17	121	106	110	128	112	114	116	113	115	139	120	136
18	122	107	112	127	109	115	128	114	117	138	118	125
19	124	121	123	120	104	110	135	118	125	141	137	139
20	124	107	120	127	108	111	128	124	126	147	123	130
21	122	106	110	128	109	111	129	126	127	144	118	124
22	122	106	109	126	110	114	131	124	127	146	135	144
23	120	106	109	126	111	117	127	124	126	148	121	127
24	121	105	108	126	122	124	134	124	131	148	119	125
25	122	105	111	129	121	126	133	129	131	153	123	133
26	124	121	123	131	126	128	133	129	131	151	118	130
27	126	121	123	129	110	120	134	130	131	150	118	122
28	124	121	123	124	110	116	131	128	129	153	123	134
29	124	119	122	125	121	123	139	129	133	152	126	135
30	123	118	121	127	122	124	136	126	131	153	126	135
31	---	---	---	129	126	127	133	130	131	---	---	---
MONTH	126	105	114	---	---	---	139	111	123	153	118	133

0208062765 ROANOKE RIVER AT HALIFAX, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.9	7.2	7.4	7.5	7.1	7.3	7.1	6.9	7.0	7.4	7.1	7.2
2	7.4	7.1	7.2	7.4	7.0	7.2	7.2	6.9	7.0	7.5	7.0	7.2
3	7.2	7.1	7.2	7.3	7.0	7.2	7.3	6.9	7.1	7.4	7.0	7.2
4	7.4	7.2	7.2	7.4	7.0	7.2	7.2	6.8	7.0	7.4	7.0	7.1
5	7.4	7.1	7.2	7.4	7.0	7.2	7.2	6.9	7.0	7.3	7.0	7.1
6	7.5	7.1	7.2	7.6	6.9	7.1	7.2	6.9	7.0	7.4	7.0	7.2
7	7.4	7.1	7.2	7.4	7.2	7.2	7.2	6.9	7.0	7.5	7.0	7.2
8	7.5	7.1	7.2	7.4	7.1	7.2	7.1	6.9	7.0	7.5	7.2	7.3
9	7.5	7.0	7.2	7.5	7.2	7.3	7.2	6.9	7.0	7.5	7.2	7.3
10	7.3	7.0	7.1	7.7	7.1	7.4	7.1	6.9	7.0	7.6	7.2	7.4
11	7.4	7.0	7.2	7.4	7.2	7.3	7.1	6.8	6.9	7.6	7.2	7.4
12	7.4	7.0	7.1	7.3	7.1	7.2	7.2	6.8	6.8	7.6	7.2	7.4
13	7.4	7.1	7.2	7.4	7.1	7.2	7.1	6.8	6.8	7.5	7.2	7.3
14	7.6	7.1	7.3	7.4	7.1	7.1	7.1	6.8	6.8	7.5	7.2	7.3
15	7.6	7.2	7.3	7.3	7.0	7.1	7.0	6.8	6.8	7.4	7.2	7.3
16	7.6	7.1	7.2	7.1	7.0	7.0	7.3	6.8	6.9	7.5	7.2	7.3
17	7.6	7.0	7.2	7.3	7.0	7.0	7.0	6.8	6.8	7.7	7.2	7.4
18	7.3	7.0	7.1	7.3	7.0	7.1	7.3	6.8	6.9	7.3	7.2	7.2
19	7.5	7.0	7.2	7.2	6.9	7.0	6.9	6.6	6.8	7.6	7.2	7.4
20	7.4	7.0	7.2	7.1	6.8	7.0	7.0	6.8	6.9	7.5	7.1	7.3
21	7.6	7.0	7.1	7.1	6.9	6.9	7.0	6.7	6.8	7.3	7.2	7.2
22	7.5	7.0	7.1	7.2	6.8	6.9	7.1	6.8	6.9	7.6	7.2	7.4
23	7.6	7.0	7.1	7.2	6.8	6.9	7.1	6.7	6.9	7.6	7.2	7.3
24	7.4	7.0	7.1	7.2	6.9	7.0	7.2	6.9	7.0	7.6	7.3	7.3
25	7.2	7.0	7.0	7.1	6.9	7.0	7.3	6.9	7.1	7.6	7.2	7.4
26	7.4	7.0	7.2	7.2	6.9	7.0	7.2	7.0	7.1	7.6	7.2	7.3
27	7.3	7.0	7.1	7.2	6.8	6.9	7.3	7.0	7.1	7.6	7.2	7.2
28	7.3	7.0	7.2	7.0	6.8	6.9	7.2	6.9	7.0	7.6	7.3	7.4
29	7.4	7.0	7.1	7.1	6.9	7.0	7.3	6.9	7.0	7.6	7.2	7.3
30	7.3	7.0	7.1	7.0	6.9	6.9	7.3	6.9	7.1	7.7	7.2	7.4
31	---	---	---	7.0	6.9	6.9	7.3	7.0	7.1	---	---	---
MONTH	7.9	7.0	7.2	7.7	6.8	7.1	7.3	6.6	7.0	7.7	7.0	7.3

0208062765 ROANOKE RIVER AT HALIFAX, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.3	20.4	20.9	26.6	25.7	26.0	27.9	26.6	27.1	28.2	27.0	27.6
2	20.9	20.1	20.3	26.9	25.7	26.2	28.8	27.4	28.0	28.3	27.2	27.7
3	20.4	20.1	20.3	25.8	25.1	25.5	29.2	27.8	28.4	27.9	26.7	27.4
4	21.2	20.2	20.6	26.6	25.2	25.8	29.0	27.2	27.9	27.9	26.3	26.8
5	21.7	20.0	20.8	27.3	26.1	26.6	28.8	27.6	28.1	26.9	25.8	26.3
6	22.4	20.1	21.2	28.7	25.0	26.3	28.4	26.6	27.4	26.8	25.6	26.1
7	22.5	20.8	21.7	28.1	26.4	26.9	28.1	26.6	27.2	26.5	25.3	25.8
8	23.9	21.1	22.7	27.0	25.3	26.0	27.4	26.3	26.8	26.3	25.1	25.7
9	23.8	21.5	22.5	28.1	26.6	27.3	27.4	26.4	26.8	26.2	24.9	25.6
10	23.5	21.7	22.5	28.4	26.9	27.5	27.8	27.0	27.4	26.0	25.0	25.4
11	23.8	21.6	22.7	27.3	26.4	26.9	28.1	26.6	27.3	25.4	24.6	24.9
12	23.7	21.9	22.8	28.1	26.9	27.5	29.2	27.1	27.8	25.6	24.4	24.9
13	24.8	22.2	23.3	27.8	26.5	27.1	28.7	27.1	27.6	26.0	25.3	25.5
14	26.4	24.8	25.5	27.8	26.5	26.8	28.5	27.0	27.5	25.8	25.1	25.4
15	26.6	24.1	25.1	28.2	26.6	27.0	28.9	27.6	28.0	25.5	25.0	25.3
16	27.1	25.0	26.3	27.8	26.2	26.9	29.2	27.9	28.4	26.2	25.5	25.8
17	26.7	25.0	26.0	27.6	26.2	26.7	28.8	27.2	27.6	27.3	25.9	26.4
18	25.7	24.3	24.9	28.6	26.7	27.3	28.3	27.1	27.5	26.8	25.6	26.2
19	26.1	24.5	25.2	28.6	27.3	27.7	27.8	26.8	27.2	27.1	26.1	26.5
20	24.8	23.4	24.0	28.9	27.4	27.8	28.7	27.3	28.0	27.0	25.4	26.1
21	25.6	23.1	23.8	28.6	27.5	27.9	28.7	27.2	28.0	26.3	25.7	25.9
22	26.1	24.3	24.8	28.7	27.4	27.8	29.4	28.6	29.0	27.1	25.9	26.5
23	26.4	23.8	24.7	28.8	27.2	27.7	29.4	27.7	28.2	27.2	25.4	26.1
24	25.2	23.4	23.9	29.1	27.2	27.9	28.4	27.1	27.7	26.5	26.0	26.2
25	25.1	23.5	24.1	28.5	27.0	27.7	28.5	27.2	27.7	26.4	25.5	26.0
26	25.7	24.1	24.7	30.0	28.4	29.0	28.0	26.6	27.2	26.4	25.4	25.8
27	25.5	24.1	24.6	29.9	27.7	28.6	27.8	26.7	27.2	26.6	25.6	26.0
28	25.9	24.8	25.3	28.8	28.2	28.4	27.5	26.2	26.9	26.6	24.8	25.5
29	25.1	23.9	24.4	28.7	27.2	27.7	28.0	26.9	27.3	25.9	24.7	25.2
30	25.9	24.3	24.8	27.6	26.6	27.1	27.8	26.5	27.2	25.4	24.0	24.6
31	---	---	---	27.2	26.6	26.8	27.9	27.1	27.5	---	---	---
MONTH	27.1	20.0	23.5	30.0	25.0	27.2	29.4	26.2	27.6	28.3	24.0	26.0

0208062765 ROANOKE RIVER AT HALIFAX, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.6	7.4	7.7	---	---	---	6.5	5.8	6.1	6.8	5.8	6.2
2	7.9	6.8	7.1	---	---	---	6.8	5.4	6.0	6.9	5.6	6.2
3	7.6	6.9	7.1	---	---	---	6.6	5.2	5.9	6.8	5.7	6.1
4	8.2	7.1	7.4	---	---	---	6.7	5.3	5.9	6.9	5.6	6.1
5	8.5	6.9	7.6	---	---	---	7.0	5.4	6.1	6.9	5.8	6.2
6	8.8	7.3	7.9	---	---	---	7.1	5.9	6.3	7.0	5.8	6.3
7	8.7	7.3	7.8	---	---	---	7.3	5.9	6.5	7.0	5.8	6.3
8	8.3	6.9	7.4	---	---	---	7.2	6.0	6.5	6.9	5.8	6.2
9	8.1	6.5	7.1	---	---	---	7.2	6.0	6.4	7.0	5.9	6.3
10	7.8	6.4	7.0	---	---	---	7.3	6.1	6.5	7.1	6.1	6.5
11	8.0	6.5	7.1	---	---	---	7.3	4.8	6.2	7.2	6.0	6.5
12	7.9	6.4	7.0	---	---	---	7.2	4.8	5.2	7.1	5.9	6.5
13	7.8	6.5	6.9	---	---	---	7.1	4.8	5.2	7.0	5.8	6.3
14	7.7	6.1	6.7	---	---	---	6.8	4.8	5.2	6.8	5.8	6.2
15	7.4	6.0	6.5	---	---	---	6.9	5.0	5.4	6.7	6.0	6.3
16	7.2	5.6	6.3	---	---	---	6.8	5.2	5.7	6.9	6.0	6.4
17	7.1	5.4	6.1	---	---	---	6.3	5.2	5.6	7.3	6.2	6.7
18	6.6	5.6	5.8	---	---	---	6.9	5.4	6.1	6.5	5.5	6.0
19	7.1	5.6	6.3	---	---	---	6.1	4.5	5.2	7.4	6.0	6.5
20	7.2	5.6	6.1	---	---	---	6.8	5.8	6.1	7.1	5.6	6.1
21	7.6	5.0	5.7	6.2	5.2	5.4	6.7	5.4	6.0	6.5	5.6	6.0
22	7.4	5.8	6.2	6.1	5.0	5.3	7.0	5.5	6.2	7.3	6.1	6.5
23	7.7	6.0	6.3	5.8	4.7	5.0	7.0	5.6	6.1	7.0	5.5	5.9
24	6.9	5.2	6.0	5.9	4.6	5.2	6.5	5.3	5.9	7.0	5.8	6.1
25	---	---	---	5.8	4.5	5.0	6.7	5.5	6.0	7.4	5.6	6.1
26	---	---	---	5.7	4.5	5.1	6.8	5.6	6.1	7.2	5.7	6.2
27	---	---	---	5.6	4.3	4.8	6.8	5.4	6.0	7.2	5.6	6.0
28	---	---	---	6.1	4.5	5.0	6.6	5.6	5.9	7.3	5.8	6.3
29	---	---	---	6.3	5.2	5.6	6.9	5.5	6.0	7.3	5.4	6.2
30	---	---	---	6.2	5.4	5.7	6.7	5.4	5.9	7.8	6.0	6.5
31	---	---	---	6.5	5.6	6.0	6.6	5.4	5.9	---	---	---
MONTH	---	---	---	---	---	---	7.3	4.5	5.9	7.8	5.4	6.3

0208062765 ROANOKE RIVER AT HALIFAX, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	99	82	87	---	---	---	83	73	77	87	74	79
2	89	75	79	---	---	---	87	69	77	89	71	79
3	84	76	79	---	---	---	86	67	76	87	71	77
4	93	79	83	---	---	---	87	67	76	88	70	76
5	97	77	85	---	---	---	91	69	79	87	72	78
6	102	81	89	---	---	---	91	75	80	88	71	78
7	101	82	89	---	---	---	94	74	82	87	71	77
8	96	80	86	---	---	---	91	75	81	85	71	77
9	96	75	82	---	---	---	91	75	81	87	72	77
10	92	73	81	---	---	---	93	78	83	88	74	79
11	95	74	82	---	---	---	93	61	78	88	72	79
12	94	73	81	---	---	---	94	61	67	86	72	79
13	93	75	82	---	---	---	92	61	66	86	71	77
14	93	74	83	---	---	---	88	60	66	84	71	76
15	92	72	79	---	---	---	90	64	70	82	73	77
16	90	69	78	---	---	---	89	67	73	85	74	79
17	89	67	75	---	---	---	82	66	72	92	77	83
18	81	67	71	---	---	---	89	69	78	81	69	74
19	88	67	76	---	---	---	78	57	66	93	75	81
20	87	66	73	---	---	---	88	73	78	89	69	76
21	93	59	68	80	66	69	87	69	76	81	69	74
22	92	70	75	79	63	67	92	71	81	92	75	81
23	96	73	77	75	60	63	92	71	78	88	67	73
24	84	62	71	77	58	66	84	68	75	87	72	75
25	---	---	---	75	57	64	87	70	76	92	69	76
26	---	---	---	76	59	67	87	70	77	90	70	76
27	---	---	---	74	55	62	87	68	75	90	70	74
28	---	---	---	79	58	65	84	70	74	90	71	77
29	---	---	---	82	66	72	88	69	76	90	66	76
30	---	---	---	78	68	72	85	68	74	98	72	79
31	---	---	---	82	70	75	84	68	75	---	---	---
MONTH	---	---	---	---	---	---	94	57	76	98	66	77

02081000 ROANOKE RIVER NEAR SCOTLAND NECK, NC

LOCATION.--Lat 36°12'33", long 77°23'02", Halifax County, Hydrologic Unit 03010107, on right bank 50 ft upstream from bridge on U.S. 258, 3 mi downstream from Bridgers Creek, and 5.8 mi north of Scotland Neck.

DRAINAGE AREA.--8,671 mi².

PERIOD OF RECORD.--March 1974 to current year. Daily mean discharges, October 1940 to September 1956.

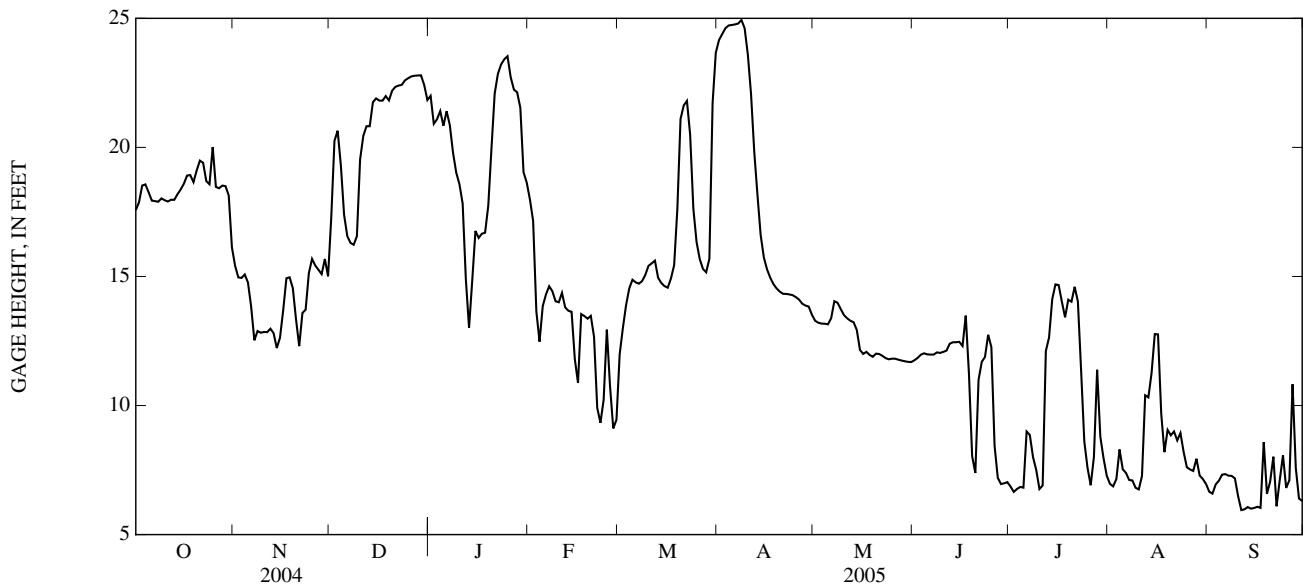
GAGE.--Water-stage recorder. Datum of gage is 5.77 ft above NGVD of 1929. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 41.98 ft, Aug. 19, 1940; minimum not determined

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 25.09 ft, Apr. 9; minimum gage height, 5.66 ft, Sept. 22.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.57	15.41	17.29	22.00	17.98	11.98	24.16	13.28	11.75	6.86	6.97	6.66
2	17.87	14.96	20.25	20.91	17.15	13.00	24.39	13.21	11.85	6.65	6.87	6.59
3	18.52	14.94	20.65	21.09	13.64	13.89	24.61	13.17	11.97	6.77	7.15	6.94
4	18.57	15.08	19.29	21.41	12.47	14.54	24.72	13.17	12.02	6.85	8.30	7.09
5	18.26	14.77	17.39	20.84	13.85	14.88	24.74	13.15	11.98	6.82	7.53	7.32
6	17.94	13.83	16.56	21.40	14.30	14.77	24.76	13.38	11.97	8.99	7.39	7.34
7	17.92	12.53	16.30	20.86	14.62	14.72	24.80	14.04	11.97	8.86	7.12	7.28
8	17.89	12.89	16.23	19.79	14.43	14.82	24.94	13.98	12.06	8.00	7.10	7.27
9	18.02	12.82	16.56	19.02	14.04	15.06	24.62	13.74	12.04	7.50	6.82	7.18
10	17.95	12.85	19.53	18.57	14.00	15.41	23.59	13.50	12.08	6.76	6.75	6.48
11	17.90	12.84	20.45	17.82	14.36	15.51	22.06	13.38	12.13	6.90	7.27	5.95
12	17.97	12.98	20.82	14.89	13.80	15.61	19.83	13.28	12.39	12.11	10.40	5.98
13	17.97	12.80	20.82	13.01	13.67	14.95	18.16	13.23	12.45	12.64	10.31	6.07
14	18.18	12.23	21.75	14.85	13.63	14.75	16.61	12.93	12.45	14.12	11.27	6.00
15	18.37	12.62	21.90	16.76	11.80	14.63	15.74	12.15	12.47	14.69	12.77	6.03
16	18.59	13.70	21.81	16.49	10.87	14.56	15.27	12.00	12.31	14.67	12.76	6.08
17	18.91	14.93	21.81	16.66	13.54	14.92	14.95	12.08	13.48	14.02	9.70	6.03
18	18.93	14.97	21.99	16.69	13.46	15.44	14.70	11.96	11.23	13.42	8.19	8.58
19	18.65	14.55	21.82	17.74	13.36	17.61	14.53	11.89	8.04	14.10	9.06	6.58
20	19.11	13.34	22.20	19.96	13.47	21.10	14.41	12.01	7.39	14.02	8.85	7.05
21	19.49	12.30	22.35	22.08	12.66	21.63	14.33	12.00	11.00	14.60	8.99	8.02
22	19.40	13.59	22.39	22.85	9.91	21.80	14.32	11.92	11.69	14.03	8.65	6.10
23	18.69	13.71	22.42	23.22	9.33	20.49	14.30	11.84	11.88	11.36	8.93	7.12
24	18.57	15.12	22.60	23.41	10.22	17.62	14.27	11.79	12.74	8.61	8.20	8.07
25	20.01	15.68	22.68	23.53	12.94	16.33	14.20	11.81	12.26	7.59	7.61	6.81
26	18.47	15.43	22.75	22.72	10.74	15.67	14.10	11.81	8.44	6.91	7.52	7.11
27	18.42	15.26	22.78	22.24	9.11	15.29	13.94	11.78	7.20	8.00	7.46	10.82
28	18.52	15.09	22.78	22.14	9.45	15.16	13.87	11.74	6.96	11.38	7.94	7.58
29	18.50	15.68	22.79	21.54	---	15.68	13.83	11.71	6.99	8.79	7.29	6.40
30	18.14	15.01	22.42	19.04	---	21.71	13.52	11.69	7.03	7.96	7.15	6.31
31	16.12	---	21.84	18.64	---	23.67	---	11.69	---	7.28	6.96	---
MEAN	18.37	14.06	20.75	19.75	12.96	16.36	18.41	12.56	11.01	10.04	8.36	6.96
MAX	20.01	15.68	22.79	23.53	17.98	23.67	24.94	14.04	13.48	14.69	12.77	10.82
MIN	16.12	12.23	16.23	13.01	9.11	11.98	13.52	11.69	6.96	6.65	6.75	5.95



02081022 ROANOKE RIVER NEAR OAK CITY, NC

LOCATION.--Lat 36°00'49", long 77°12'55", Martin County, Hydrologic Unit 03010107, on right bank at bridge on State Highway 11-42, and 5.2 mi northeast of Oak City.

DRAINAGE AREA.--8,810 mi².

ELEVATION RECORDS

PERIOD OF RECORD.--July 1987 to current year. Occasional measurements, water years 1968, 1969, 1972, 1975, 1978, 1980, 1983, 1986.

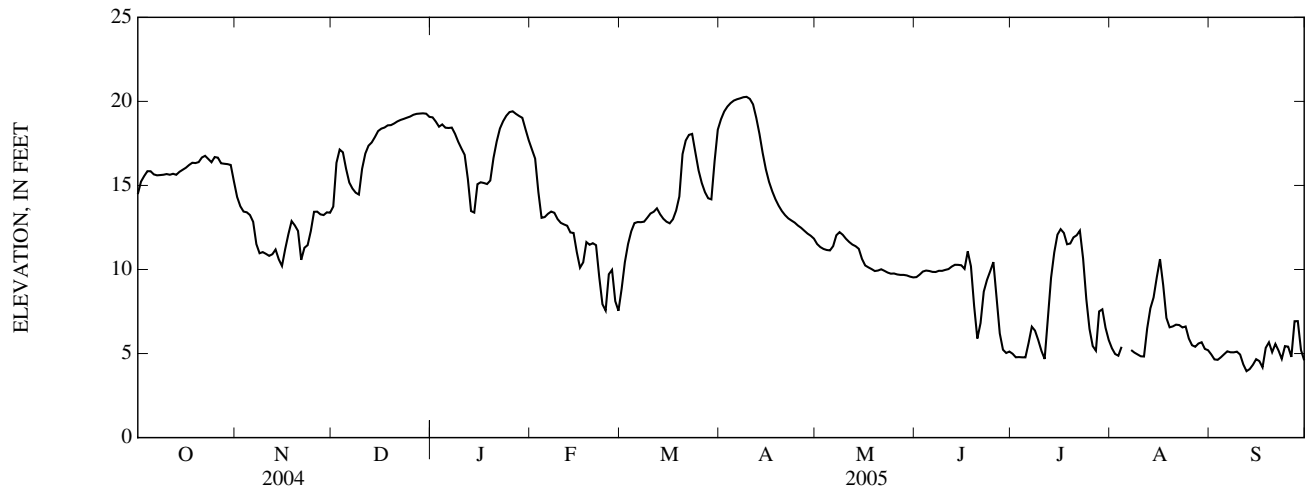
GAGE.--Water stage recorder. Datum of gage is at NGVD of 1929. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 22.07 ft, Sept. 19, 1999; minimum elevation, 2.31 ft, Nov. 5, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 20.31 ft, Apr. 9; minimum elevation, 3.88 ft, Sept. 12.

ELEVATION, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.49	14.31	13.74	19.05	17.14	8.86	18.94	11.51	9.55	4.99	5.31	4.95
2	15.23	13.76	16.34	18.80	16.60	10.43	19.40	11.33	9.69	4.78	4.97	4.65
3	15.56	13.45	17.14	18.49	14.61	11.52	19.69	11.22	9.88	4.79	4.87	4.62
4	15.85	13.40	16.97	18.63	13.07	12.28	19.90	11.16	9.94	4.77	5.40	4.78
5	15.84	13.24	15.99	18.43	13.12	12.76	20.05	11.13	9.91	4.77	---	4.96
6	15.66	12.84	15.17	18.42	13.31	12.82	20.13	11.39	9.86	5.64	---	5.13
7	15.60	11.51	14.81	18.44	13.45	12.81	20.18	12.04	9.85	6.60	5.21	5.07
8	15.62	10.97	14.57	18.07	13.37	12.84	20.25	12.22	9.92	6.36	5.06	5.07
9	15.64	11.03	14.46	17.60	13.00	13.08	20.27	12.06	9.92	5.80	4.95	5.11
10	15.68	10.93	15.99	17.20	12.77	13.33	20.15	11.83	9.98	5.16	4.84	4.94
11	15.64	10.81	16.90	16.82	12.68	13.43	19.82	11.64	10.03	4.68	4.82	4.35
12	15.69	10.91	17.36	15.39	12.60	13.64	19.03	11.48	10.17	7.08	6.49	3.95
13	15.63	11.19	17.56	13.48	12.20	13.28	18.07	11.39	10.28	9.50	7.69	4.08
14	15.81	10.60	17.88	13.39	12.17	13.02	16.94	11.23	10.28	11.01	8.34	4.33
15	15.93	10.21	18.23	15.07	11.03	12.84	15.96	10.63	10.25	12.07	9.53	4.67
16	16.05	11.22	18.38	15.19	10.10	12.75	15.21	10.24	10.04	12.40	10.62	4.55
17	16.22	12.11	18.45	15.14	10.43	12.99	14.65	10.12	11.08	12.17	9.06	4.18
18	16.35	12.88	18.57	15.08	11.63	13.51	14.17	10.02	10.19	11.50	7.12	5.34
19	16.33	12.62	18.59	15.29	11.47	14.34	13.79	9.91	7.82	11.54	6.56	5.67
20	16.39	12.29	18.68	16.63	11.56	16.86	13.48	9.94	5.89	11.91	6.61	5.08
21	16.66	10.57	18.81	17.61	11.45	17.67	13.23	10.01	6.81	12.04	6.72	5.57
22	16.76	11.29	18.90	18.38	9.55	18.01	13.04	9.92	8.68	12.31	6.69	5.17
23	16.57	11.45	18.96	18.82	7.93	18.07	12.91	9.82	9.37	10.65	6.55	4.68
24	16.38	12.29	19.03	19.14	7.56	16.97	12.79	9.75	9.89	8.24	6.61	5.44
25	16.69	13.43	19.10	19.36	9.72	15.90	12.62	9.76	10.44	6.46	5.89	5.41
26	16.65	13.44	19.20	19.41	9.98	15.15	12.48	9.71	8.33	5.45	5.50	4.80
27	16.32	13.28	19.26	19.26	8.11	14.60	12.31	9.68	6.20	5.17	5.40	6.92
28	16.29	13.24	19.27	19.13	7.55	14.24	12.14	9.68	5.23	7.51	5.60	6.93
29	16.27	13.40	19.29	19.02	---	14.17	12.01	9.65	5.03	7.63	5.67	5.21
30	16.22	13.38	19.27	18.34	---	16.44	11.83	9.57	5.12	6.53	5.28	4.60
31	15.24	---	19.08	17.69	---	18.32	---	9.53	---	5.80	5.20	---
MEAN	15.98	12.20	17.61	17.44	11.72	14.09	16.18	10.63	8.99	7.91	---	5.01
MAX	16.76	14.31	19.29	19.41	17.14	18.32	20.27	12.22	11.08	12.40	---	6.93
MIN	14.49	10.21	13.74	13.39	7.55	8.86	11.83	9.53	5.03	4.68	---	3.95



WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1968 to 1973, 1998 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1998 to current year.

pH: March 1998 to current year.

WATER TEMPERATURE: March 1998 to current year.

DISSOLVED OXYGEN: March 1998 to current year.

DISSOLVED OXYGEN, PERCENT SATURATION: March 1998 to current year.

INSTRUMENTATION.-- Water-quality monitor with satellite telemetry from March 1998 to current year.

REMARKS.--Station operated in cooperation with North Carolina Department of Environment and Natural Resources (DENR), Division of Water Resources, to define water-quality characteristics in the Roanoke River Basin below Roanoke Rapids Dam. Partial record site from October 1967 to September 1973. Dissolved oxygen, percent saturation, is computed using a barometric pressure of 760 mm Hg beginning October 1, 2000.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	5160, March 29, 2003	52, September 17, 1999
pH, standard units	8.1, July 1, 2, 2002	6.1, September 17, 1999, September 20, 21, 2003
WATER TEMPERATURE, °C	31.0, August 1, 2002	2.0, January 28, 2004
DISSOLVED OXYGEN, mg/L	15.5, January 6, 7, 1999	2.4, September 24, 2003
DISSOLVED OXYGEN, PERCENT SATURATION,%	123, January 6, 7, 1999	28, September 24, 2003

EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	14.5, September 27	95, March 23, April 4
pH, standard units	7.6, March 6, 8	6.6, November 15, 22-30
WATER TEMPERATURE, °C	30.8, July 28	3.9, January 30, 31
DISSOLVED OXYGEN, mg/L	12.2, February 1	5.0, August 15
DISSOLVED OXYGEN, PERCENT SATURATION,%	100, April 2	65, August 15, September 15, 16

02081022 ROANOKE RIVER NEAR OAK CITY, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	105	101	103	113	108	109	109	104	106	107	104	106
2	105	101	102	116	106	110	108	103	105	106	104	105
3	105	102	103	113	106	109	104	103	104	108	104	105
4	105	102	103	114	106	109	107	103	104	110	103	106
5	109	103	105	114	106	108	105	103	104	107	105	106
6	110	103	105	112	105	108	106	104	105	109	105	106
7	111	103	105	113	105	109	106	105	105	108	105	106
8	111	103	105	120	104	110	107	105	106	109	105	106
9	111	103	105	118	104	109	107	106	107	110	105	106
10	111	104	106	114	104	109	109	104	107	111	105	106
11	112	104	106	116	106	109	105	103	105	112	105	107
12	112	104	106	116	106	110	104	102	103	111	105	106
13	112	105	107	115	106	109	105	102	103	112	106	109
14	111	106	107	115	105	109	106	103	104	119	106	111
15	110	105	107	111	101	105	105	103	104	116	101	106
16	109	105	106	113	100	105	105	104	105	105	97	100
17	110	105	106	110	103	105	106	105	105	103	97	100
18	109	106	107	109	102	105	106	105	105	106	100	103
19	110	106	107	106	102	104	106	105	105	108	102	104
20	111	106	108	108	103	105	106	104	105	107	102	104
21	110	99	104	109	104	106	105	103	104	104	97	102
22	106	98	101	116	104	108	104	102	103	101	99	101
23	107	102	103	110	104	106	103	101	102	101	100	100
24	109	103	105	110	104	106	104	101	102	---	---	---
25	109	104	106	108	104	106	102	100	101	---	---	---
26	106	105	105	109	104	106	102	101	101	---	---	---
27	112	105	106	110	104	106	102	100	101	---	---	---
28	111	105	107	109	103	105	104	101	102	---	---	---
29	111	105	107	109	104	106	104	102	103	---	---	---
30	111	106	107	108	103	105	105	103	104	---	---	---
31	110	106	107	---	---	---	106	103	104	---	---	---
MONTH	112	98	105	120	100	107	109	100	104	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	115	106	111	102	100	101	114	113	113
2	105	100	102	111	100	105	102	101	102	114	113	113
3	106	100	102	105	100	103	103	100	102	114	112	113
4	109	102	104	106	104	104	102	95	100	114	112	113
5	117	103	109	108	102	105	103	98	101	114	112	113
6	115	102	107	108	102	105	103	102	103	114	110	112
7	110	103	106	106	105	105	104	103	103	112	109	110
8	111	102	106	105	104	104	105	104	104	111	105	108
9	111	103	106	104	103	104	105	103	105	106	105	106
10	112	104	108	103	99	101	104	102	103	108	105	106
11	112	105	108	103	98	100	105	104	104	108	105	107
12	112	105	108	105	99	102	106	104	105	108	105	106
13	112	105	109	105	99	101	108	105	107	110	106	108
14	115	107	110	103	102	102	109	108	108	110	106	108
15	115	107	111	103	102	102	111	108	110	109	107	108
16	116	107	111	103	102	103	112	110	111	113	109	111
17	120	106	113	102	100	102	112	110	111	114	112	113
18	118	107	111	102	99	101	112	111	111	114	111	112
19	112	105	108	100	98	98	113	111	112	112	110	111
20	110	104	108	100	97	99	113	112	112	113	111	112
21	109	103	106	98	97	98	114	112	113	114	112	113
22	111	103	107	99	98	98	115	111	113	114	112	113
23	116	107	112	99	98	99	113	112	113	114	111	113
24	116	112	115	98	95	96	113	112	113	115	112	113
25	115	106	111	100	96	98	114	112	113	117	114	115
26	109	102	105	101	99	100	113	112	113	117	116	116
27	110	104	107	101	100	101	113	107	110	117	115	116
28	116	104	110	102	100	101	113	111	112	119	116	117
29	---	---	---	102	99	101	113	112	113	119	117	118
30	---	---	---	102	100	101	114	112	113	118	116	117
31	---	---	---	101	97	100	---	---	---	118	115	116
MONTH	---	---	---	115	95	102	115	95	108	119	105	112

ROANOKE RIVER BASIN

02081022 ROANOKE RIVER NEAR OAK CITY, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	118	116	117	124	122	123	123	122	122	138	130	134
2	117	114	116	124	122	123	125	122	123	135	133	134
3	117	115	116	125	123	124	125	123	124	136	133	135
4	117	113	115	127	124	126	125	123	124	138	132	136
5	116	114	115	128	126	126	---	---	---	138	133	135
6	115	113	114	129	121	125	---	---	---	135	133	134
7	115	113	114	123	108	117	120	117	119	133	130	131
8	114	111	113	117	103	110	118	116	117	133	129	131
9	113	112	112	122	108	114	118	116	118	133	130	131
10	113	111	112	122	103	110	119	117	118	133	130	131
11	112	110	111	109	97	104	119	118	119	134	130	132
12	112	110	111	127	102	115	120	118	119	142	134	137
13	112	111	112	126	108	113	119	113	116	143	139	141
14	112	110	111	124	106	113	118	112	115	143	138	141
15	110	106	107	121	106	110	118	113	115	142	137	139
16	107	103	105	118	101	106	119	112	115	141	140	140
17	104	101	102	113	106	109	120	111	114	142	139	140
18	105	99	101	121	107	111	114	111	113	142	136	139
19	109	99	105	118	106	109	116	114	115	138	124	134
20	108	103	104	118	106	109	125	114	119	135	120	124
21	113	108	111	117	106	109	133	119	126	138	134	137
22	112	102	107	116	105	108	128	125	126	141	124	132
23	110	102	106	114	106	109	129	125	128	137	122	126
24	111	103	107	119	107	114	129	121	127	143	131	140
25	111	105	107	121	112	115	128	122	125	142	122	131
26	113	106	110	122	121	121	135	126	132	139	120	124
27	114	107	109	123	121	122	135	131	133	145	123	135
28	120	114	119	125	119	123	134	131	133	135	117	123
29	122	120	121	123	113	117	135	130	133	125	117	119
30	123	121	122	120	112	116	133	130	132	143	125	134
31	---	---	---	122	119	121	138	131	135	---	---	---
MONTH	123	99	111	129	97	115	---	---	---	145	117	133

02081022 ROANOKE RIVER NEAR OAK CITY, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.1	7.0	7.0	7.1	7.0	7.1	6.8	6.7	6.8	7.2	7.0	7.1
2	7.1	7.0	7.0	7.1	7.0	7.1	6.9	6.8	6.8	7.2	7.0	7.1
3	7.0	7.0	7.0	7.1	7.0	7.1	6.9	6.8	6.8	7.1	6.9	7.0
4	7.1	7.0	7.0	7.1	7.0	7.1	6.9	6.8	6.8	7.2	7.1	7.2
5	7.1	7.0	7.1	7.0	7.0	7.0	6.8	6.7	6.8	7.2	7.0	7.1
6	7.1	7.1	7.1	7.0	6.9	7.0	6.8	6.8	6.8	7.2	7.1	7.1
7	7.1	7.1	7.1	7.0	6.9	6.9	6.9	6.8	6.8	7.2	7.1	7.2
8	7.1	7.1	7.1	7.0	6.9	7.0	6.8	6.8	6.8	7.1	7.0	7.1
9	7.1	7.1	7.1	7.1	6.9	7.0	6.9	6.8	6.8	7.1	7.0	7.0
10	7.1	7.1	7.1	7.0	6.9	6.9	6.9	6.8	6.9	7.1	7.0	7.1
11	7.1	7.1	7.1	7.0	6.9	6.9	6.9	6.8	6.8	7.2	7.0	7.1
12	7.1	7.1	7.1	7.0	6.9	6.9	6.8	6.8	6.8	7.1	7.0	7.1
13	7.1	7.1	7.1	7.0	6.9	6.9	6.9	6.8	6.8	7.1	7.0	7.0
14	7.2	7.1	7.1	6.9	6.7	6.8	6.9	6.8	6.9	7.1	7.0	7.0
15	7.1	7.0	7.1	6.7	6.6	6.7	7.0	6.9	6.9	7.1	7.0	7.1
16	7.1	7.1	7.1	6.9	6.7	6.8	7.0	6.9	6.9	7.0	6.9	7.0
17	7.2	7.1	7.1	6.9	6.8	6.8	7.0	6.9	6.9	7.0	6.9	7.0
18	7.2	7.1	7.1	6.9	6.7	6.8	7.0	6.9	7.0	7.1	7.0	7.1
19	7.2	7.1	7.1	6.8	6.7	6.8	7.0	6.9	6.9	7.2	7.0	7.1
20	7.2	7.1	7.1	6.8	6.7	6.8	7.0	6.9	6.9	7.2	7.1	7.2
21	7.2	7.0	7.1	6.7	6.7	6.7	7.0	6.9	7.0	7.3	7.2	7.2
22	7.0	7.0	7.0	6.8	6.6	6.7	7.0	7.0	7.0	7.3	7.2	7.2
23	7.1	7.0	7.0	6.8	6.6	6.7	7.0	6.9	7.0	7.3	7.2	7.3
24	7.1	7.0	7.1	6.7	6.6	6.6	7.2	7.0	7.0	7.3	7.0	7.2
25	7.1	7.1	7.1	6.7	6.6	6.6	7.2	7.0	7.1	7.1	6.9	7.1
26	7.1	7.1	7.1	6.7	6.6	6.6	7.2	7.1	7.1	7.0	7.0	7.0
27	7.1	7.0	7.1	6.7	6.6	6.7	7.2	7.1	7.1	7.0	6.9	7.0
28	7.1	7.1	7.1	6.7	6.6	6.6	7.2	7.1	7.2	7.2	6.9	7.1
29	7.2	7.1	7.1	6.6	6.6	6.6	7.2	7.2	7.2	7.2	7.1	7.2
30	7.1	7.1	7.1	6.7	6.6	6.6	7.2	7.1	7.2	7.1	7.0	7.0
31	7.1	7.0	7.1	---	---	---	7.1	7.0	7.0	7.1	7.0	7.1
MONTH	7.2	7.0	7.1	7.1	6.6	6.8	7.2	6.7	6.9	7.3	6.9	7.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.3	7.1	7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.2	7.2	7.2
2	7.4	7.3	7.3	7.3	7.2	7.3	7.4	7.3	7.3	7.3	7.2	7.2
3	7.4	7.3	7.3	7.4	7.3	7.4	7.3	7.3	7.3	7.3	7.2	7.2
4	7.3	7.2	7.2	7.5	7.4	7.4	7.3	7.2	7.2	7.3	7.2	7.2
5	7.3	7.2	7.3	7.5	7.4	7.5	7.4	7.2	7.2	7.3	7.2	7.2
6	7.4	7.3	7.4	7.6	7.4	7.5	7.4	7.4	7.4	7.3	7.2	7.2
7	7.4	7.4	7.4	7.5	7.5	7.5	7.4	7.3	7.4	7.3	7.1	7.2
8	7.4	7.1	7.4	7.6	7.5	7.5	7.4	7.3	7.3	7.1	7.1	7.1
9	7.4	7.3	7.4	7.5	7.4	7.5	7.4	7.3	7.3	7.2	7.1	7.1
10	7.4	7.4	7.4	7.4	7.3	7.3	7.3	7.1	7.1	7.3	7.1	7.2
11	7.4	7.4	7.4	7.4	7.3	7.4	7.2	7.1	7.1	7.3	7.1	7.2
12	7.5	7.4	7.4	7.5	7.4	7.4	7.1	7.0	7.0	7.3	7.1	7.2
13	7.5	7.4	7.4	7.4	7.4	7.4	7.0	7.0	7.0	7.3	7.1	7.2
14	7.5	7.4	7.4	7.5	7.4	7.4	7.0	7.0	7.0	7.2	7.1	7.1
15	7.4	7.3	7.4	7.5	7.4	7.5	7.1	7.0	7.1	7.2	7.1	7.1
16	7.3	7.3	7.3	7.5	7.5	7.5	7.2	7.1	7.2	7.2	7.1	7.1
17	7.4	7.3	7.3	7.5	7.4	7.5	7.2	7.2	7.2	7.2	7.0	7.1
18	7.5	7.4	7.5	7.4	7.3	7.4	7.3	7.2	7.2	7.2	7.0	7.1
19	7.5	7.4	7.4	7.4	7.3	7.3	7.3	7.2	7.2	7.2	7.1	7.1
20	7.5	7.4	7.5	7.5	7.4	7.5	7.3	7.2	7.2	7.2	7.1	7.1
21	7.5	7.4	7.5	7.5	7.4	7.5	7.3	7.2	7.2	7.2	7.1	7.1
22	7.4	7.3	7.4	7.5	7.4	7.4	7.3	7.2	7.2	7.2	7.1	7.1
23	7.3	7.3	7.3	7.4	7.3	7.3	7.3	7.2	7.2	7.3	7.2	7.2
24	7.3	7.3	7.3	7.3	7.1	7.2	7.3	7.2	7.2	7.3	7.1	7.2
25	7.5	7.3	7.4	7.1	7.0	7.1	7.2	7.2	7.2	7.3	7.2	7.2
26	7.4	7.4	7.4	7.1	7.1	7.1	7.3	7.2	7.2	7.3	7.2	7.2
27	7.4	7.3	7.3	7.1	7.1	7.1	7.3	7.2	7.3	7.3	7.2	7.2
28	7.3	7.2	7.3	7.2	7.1	7.2	7.3	7.2	7.2	7.3	7.2	7.2
29	---	---	---	7.2	7.1	7.2	7.3	7.2	7.2	7.3	7.2	7.2
30	---	---	---	7.3	7.1	7.2	7.3	7.2	7.2	7.2	7.2	7.2
31	---	---	---	7.3	7.3	7.3	---	---	---	7.3	7.2	7.2
MONTH	7.5	7.1	7.4	7.6	7.0	7.4	7.4	7.0	7.2	7.3	7.0	7.2

ROANOKE RIVER BASIN

02081022 ROANOKE RIVER NEAR OAK CITY, NC—Continued

PH. WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.2	7.1	7.2	7.0	7.0	7.0	7.2	7.2	7.2	7.3	7.2	7.2
2	7.2	7.1	7.1	7.1	7.0	7.0	7.3	7.2	7.2	7.2	7.2	7.2
3	7.1	7.1	7.1	7.1	7.1	7.1	7.3	7.2	7.2	7.3	7.2	7.2
4	7.1	7.0	7.1	7.1	7.1	7.1	7.3	7.3	7.3	7.3	7.2	7.3
5	7.1	7.0	7.1	7.1	7.1	7.1	---	---	---	7.3	7.3	7.3
6	7.1	7.0	7.1	7.1	7.0	7.1	---	---	---	7.3	7.2	7.3
7	7.1	7.0	7.1	7.0	6.9	7.0	7.3	7.3	7.3	7.3	7.3	7.3
8	7.2	7.0	7.1	7.0	6.9	6.9	7.3	7.3	7.3	7.3	7.2	7.3
9	7.1	7.0	7.0	7.0	6.9	7.0	7.3	7.3	7.3	7.3	7.2	7.3
10	7.1	7.0	7.0	7.0	7.0	7.0	7.3	7.3	7.3	7.3	7.2	7.3
11	7.1	7.0	7.0	7.0	7.0	7.0	7.3	7.3	7.3	7.3	7.3	7.3
12	7.1	7.0	7.0	7.1	7.0	7.0	7.3	7.2	7.3	7.3	7.2	7.3
13	7.1	7.0	7.0	7.1	7.1	7.1	7.2	7.2	7.2	7.3	7.2	7.3
14	7.1	6.9	7.0	7.1	7.1	7.1	7.2	7.2	7.2	7.3	7.2	7.3
15	7.0	6.9	7.0	7.2	7.1	7.1	7.2	7.2	7.2	7.3	7.2	7.3
16	7.0	6.9	6.9	7.1	7.1	7.1	7.2	7.0	7.1	7.3	7.2	7.3
17	7.0	6.9	6.9	7.1	7.1	7.1	7.1	7.1	7.1	7.3	7.2	7.3
18	7.0	6.9	7.0	7.1	7.1	7.1	7.2	7.1	7.1	7.3	7.2	7.2
19	7.0	6.9	7.0	7.2	7.1	7.1	7.2	7.1	7.1	7.3	7.2	7.2
20	6.9	6.9	6.9	7.2	7.1	7.1	7.2	7.1	7.2	7.2	7.2	7.2
21	7.0	6.9	7.0	7.2	7.1	7.1	7.2	7.1	7.1	7.3	7.2	7.3
22	7.0	7.0	7.0	7.2	7.1	7.1	7.2	7.2	7.2	7.3	7.2	7.2
23	7.1	7.0	7.0	7.2	7.1	7.1	7.2	7.1	7.2	7.3	7.2	7.2
24	7.0	7.0	7.0	7.2	7.1	7.1	7.2	7.2	7.2	7.3	7.2	7.2
25	7.1	7.0	7.0	7.2	7.1	7.1	7.2	7.2	7.2	7.3	7.2	7.2
26	7.1	7.0	7.0	7.2	7.2	7.2	7.2	7.2	7.2	7.3	7.2	7.2
27	7.0	7.0	7.0	7.2	7.2	7.2	7.2	7.2	7.2	7.3	7.2	7.3
28	7.0	7.0	7.0	7.3	7.2	7.2	7.3	7.2	7.2	7.3	7.2	7.3
29	7.0	7.0	7.0	7.2	7.2	7.2	7.3	7.2	7.2	7.3	7.3	7.3
30	7.0	7.0	7.0	7.2	7.1	7.2	7.2	7.2	7.2	7.4	7.3	7.3
31	---	---	---	7.2	7.2	7.2	7.2	7.2	7.2	---	---	---
MONTH	7.2	6.9	7.0	7.3	6.9	7.1	---	---	---	7.4	7.2	7.3

02081022 ROANOKE RIVER NEAR OAK CITY, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.0	23.5	23.6	19.1	18.5	18.8	12.7	12.2	12.5	7.6	6.8	7.2
2	23.8	23.5	23.6	19.2	18.8	19.0	12.7	12.4	12.6	7.8	7.3	7.5
3	23.8	23.5	23.6	19.4	18.8	19.0	12.7	12.2	12.4	8.1	7.8	7.9
4	23.7	23.4	23.6	19.0	18.7	18.8	12.4	11.9	12.1	8.6	8.0	8.2
5	23.5	22.9	23.2	18.8	17.8	18.4	11.9	11.5	11.6	8.9	8.6	8.7
6	23.0	22.4	22.8	17.8	17.3	17.6	11.8	11.5	11.6	9.2	8.8	9.0
7	22.7	21.9	22.4	17.3	16.7	17.0	12.4	11.7	12.1	9.5	9.1	9.3
8	22.4	21.7	22.1	16.8	16.3	16.6	12.9	12.4	12.7	9.9	9.5	9.7
9	22.3	21.7	22.0	16.4	15.8	16.1	12.9	12.7	12.8	9.8	9.5	9.7
10	22.3	21.8	22.1	15.8	15.0	15.4	13.1	12.8	12.9	9.7	9.4	9.5
11	22.2	21.8	22.0	15.3	14.5	14.9	13.1	12.8	13.0	9.4	9.1	9.3
12	22.0	21.2	21.6	15.6	14.6	15.2	12.8	12.2	12.5	9.4	9.1	9.3
13	21.6	21.0	21.4	15.5	14.9	15.2	12.3	11.8	12.0	10.3	9.3	9.8
14	21.6	20.8	21.2	14.9	13.8	14.4	11.9	11.2	11.4	11.2	10.3	10.7
15	21.0	20.3	20.7	13.8	12.9	13.2	11.2	10.3	10.6	11.1	10.0	10.4
16	20.5	20.1	20.3	13.3	12.5	13.0	10.3	9.6	9.8	10.3	8.9	9.6
17	20.2	19.6	19.9	13.6	12.9	13.3	9.6	9.3	9.4	8.9	8.2	8.5
18	19.9	19.2	19.6	13.7	13.2	13.5	9.6	9.3	9.5	8.2	7.2	7.8
19	19.7	19.4	19.5	13.9	13.4	13.8	9.6	9.3	9.4	7.2	5.8	6.6
20	20.0	19.7	19.8	14.3	13.8	14.1	9.4	8.9	9.2	6.4	5.8	6.2
21	19.9	19.4	19.6	14.9	14.2	14.6	8.9	8.3	8.6	6.4	5.9	6.1
22	19.4	19.0	19.2	15.2	14.6	14.8	8.3	7.9	8.1	6.5	5.8	6.1
23	19.1	18.6	18.9	15.0	14.7	14.8	8.4	8.0	8.2	6.5	6.0	6.3
24	18.6	17.9	18.3	15.1	14.7	15.0	8.6	8.4	8.5	6.0	5.4	5.6
25	18.2	17.8	18.0	15.4	14.9	15.2	8.6	8.2	8.3	5.4	5.0	5.1
26	18.0	17.7	17.8	14.9	14.1	14.5	8.2	7.0	7.5	5.2	4.7	4.9
27	17.7	17.5	17.6	14.1	12.9	13.5	7.0	6.4	6.6	5.2	4.9	5.1
28	18.0	17.6	17.8	13.3	12.9	13.2	6.4	6.1	6.2	5.1	4.6	4.8
29	18.1	17.8	17.9	13.3	12.8	13.1	6.3	5.9	6.1	4.6	4.2	4.3
30	18.1	17.9	18.0	13.0	12.3	12.7	6.6	6.2	6.4	4.4	3.9	4.1
31	18.6	18.1	18.4	---	---	---	6.8	6.4	6.6	4.1	3.9	4.0
MONTH	24.0	17.5	20.5	19.4	12.3	15.3	13.1	5.9	10.0	11.2	3.9	7.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.2	4.0	4.1	7.2	6.6	6.9	11.6	11.0	11.2	16.3	15.8	16.0
2	4.4	4.0	4.3	6.6	6.1	6.4	11.6	11.3	11.5	16.7	15.8	16.3
3	4.5	4.3	4.4	6.4	5.9	6.2	11.6	10.9	11.2	17.3	16.3	16.8
4	4.7	4.1	4.3	6.1	5.8	5.9	11.8	11.3	11.6	17.4	16.6	17.0
5	4.9	4.4	4.7	6.4	5.8	6.1	12.2	11.3	11.7	17.3	16.6	16.9
6	5.5	4.7	5.1	6.6	5.8	6.3	12.9	11.8	12.3	16.6	15.1	16.0
7	5.7	5.0	5.3	7.0	6.3	6.6	13.5	12.4	12.8	15.4	14.8	15.1
8	6.1	5.2	5.6	7.8	7.0	7.4	13.5	13.0	13.2	16.2	15.2	15.6
9	6.7	5.7	6.2	7.5	7.2	7.4	13.8	13.1	13.4	17.3	16.1	16.8
10	7.3	6.2	6.7	7.4	7.2	7.3	14.1	13.5	13.8	17.8	16.9	17.4
11	6.9	6.4	6.6	7.8	7.2	7.6	14.4	13.6	14.0	18.4	17.3	17.8
12	6.4	5.8	6.1	7.9	7.4	7.7	14.5	13.8	14.2	19.0	17.8	18.4
13	6.6	5.7	6.1	8.2	7.6	7.9	13.8	12.5	13.4	19.3	18.5	18.9
14	6.8	6.0	6.4	8.3	7.9	8.1	12.9	12.4	12.7	19.7	18.3	18.9
15	7.2	6.3	6.7	8.2	7.7	7.9	13.5	12.8	13.1	19.6	18.2	18.9
16	7.8	6.7	7.1	8.2	7.8	7.9	13.7	12.8	13.2	20.8	19.4	20.1
17	8.2	7.5	7.8	8.1	7.4	7.8	13.4	12.6	13.0	21.3	20.4	20.8
18	8.0	7.1	7.4	7.5	7.2	7.4	14.0	12.9	13.4	21.4	20.1	20.8
19	7.1	6.7	6.8	7.9	7.4	7.6	14.9	13.5	14.2	20.5	19.8	20.0
20	7.1	6.5	6.8	8.3	7.4	7.9	15.9	14.5	15.3	20.6	19.6	20.0
21	7.2	6.5	6.9	8.8	7.7	8.2	16.9	15.7	16.3	19.9	19.0	19.5
22	7.4	6.9	7.2	9.2	8.7	8.9	17.3	16.6	16.9	20.6	19.3	20.0
23	8.0	7.3	7.7	9.6	9.0	9.2	17.8	16.2	17.3	21.5	20.5	20.9
24	8.2	7.7	8.0	10.1	9.6	9.8	16.3	15.6	16.0	21.4	20.3	20.8
25	7.7	6.5	7.2	10.4	10.1	10.2	16.2	15.4	15.8	20.7	20.1	20.4
26	6.8	6.3	6.6	10.3	9.6	10.1	16.0	15.0	15.5	20.4	19.5	20.0
27	7.1	6.6	6.9	9.7	9.5	9.6	15.6	14.8	15.2	21.1	19.7	20.4
28	7.2	6.8	7.0	10.3	9.7	10.1	15.5	14.7	15.1	22.0	20.8	21.3
29	---	---	---	11.1	10.3	10.7	15.8	15.3	15.6	22.0	21.0	21.5
30	---	---	---	11.5	11.1	11.3	16.1	15.4	15.8	21.6	21.2	21.4
31	---	---	---	11.4	10.7	11.1	---	---	---	22.2	21.2	21.7
MONTH	8.2	4.0	6.3	11.5	5.8	8.2	17.8	10.9	14.0	22.2	14.8	18.9

ROANOKE RIVER BASIN

02081022 ROANOKE RIVER NEAR OAK CITY, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	21.8	21.3	21.6	27.1	26.1	26.6	27.7	27.0	27.4	28.4	27.9	28.2
2	21.4	20.2	21.1	27.6	26.9	27.2	28.2	27.2	27.7	28.5	27.8	28.2
3	20.5	20.0	20.2	28.1	27.0	27.5	29.1	27.8	28.4	28.3	27.6	28.0
4	21.0	20.0	20.5	28.1	27.1	27.6	29.7	28.8	29.2	28.0	27.2	27.7
5	22.0	20.9	21.4	27.7	27.2	27.4	---	---	---	27.2	26.5	26.8
6	22.8	21.8	22.3	28.0	27.2	27.6	---	---	---	26.7	25.8	26.1
7	23.4	22.1	22.6	28.2	27.3	27.8	29.4	28.7	29.2	26.0	25.4	25.7
8	23.5	22.1	22.7	28.6	27.1	27.8	28.9	28.1	28.4	26.1	25.3	25.7
9	23.9	22.6	23.2	28.4	27.4	28.0	28.1	27.3	27.8	26.2	25.6	26.0
10	24.8	23.5	24.2	28.2	27.4	27.8	27.9	27.3	27.5	26.2	25.4	25.8
11	24.4	23.4	23.8	29.4	28.0	28.7	28.5	27.4	27.9	25.5	24.8	25.2
12	24.6	23.4	23.9	29.1	27.2	28.5	29.4	28.4	28.9	25.5	24.8	25.1
13	24.8	23.5	24.2	28.1	27.2	27.6	28.8	28.1	28.4	25.6	24.8	25.2
14	25.1	23.8	24.4	28.1	27.1	27.6	29.3	28.7	28.9	25.8	25.2	25.5
15	27.3	24.5	25.9	27.7	26.8	27.3	28.9	28.3	28.6	26.2	25.4	25.8
16	27.4	26.0	26.8	28.3	27.3	27.8	29.2	28.1	28.6	26.6	25.7	26.1
17	27.5	25.2	26.3	28.3	27.4	27.9	29.0	28.3	28.5	27.2	26.1	26.6
18	26.4	25.1	25.7	28.3	27.2	27.5	28.7	28.0	28.3	27.5	26.6	27.1
19	26.4	25.6	26.1	28.5	27.4	27.9	28.5	27.6	27.9	27.8	26.8	27.3
20	25.6	24.7	24.9	28.8	28.0	28.4	29.1	27.6	28.3	27.5	26.6	27.1
21	24.8	24.3	24.6	29.1	28.2	28.6	29.6	28.2	28.9	27.1	26.7	26.8
22	24.8	24.1	24.4	29.0	28.3	28.7	30.0	29.0	29.5	26.7	25.6	26.1
23	25.7	24.4	25.2	28.7	28.2	28.5	29.7	28.6	28.9	26.7	25.8	26.3
24	25.9	25.3	25.7	29.2	28.2	28.7	29.2	28.4	28.8	26.9	26.4	26.7
25	25.9	24.8	25.2	29.2	28.1	28.6	28.6	27.5	27.9	26.7	26.0	26.4
26	25.2	24.7	25.0	29.8	29.0	29.4	27.8	27.2	27.6	26.4	25.7	26.1
27	26.1	24.8	25.4	30.6	29.6	30.1	27.7	27.1	27.4	26.4	25.6	26.0
28	27.1	25.9	26.4	30.8	29.3	30.3	28.0	27.0	27.5	25.8	25.4	25.6
29	26.2	25.6	26.0	29.3	28.5	28.7	28.2	27.4	27.8	25.8	24.9	25.4
30	26.7	25.5	26.2	28.5	28.0	28.3	28.5	27.7	28.1	25.3	24.2	24.8
31	---	---	---	28.1	27.4	27.7	28.8	28.3	28.5	---	---	---
MONTH	27.5	20.0	24.2	30.8	26.1	28.1	---	---	---	28.5	24.2	26.3

02081022 ROANOKE RIVER NEAR OAK CITY, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.2	6.3	6.7	7.4	6.6	7.0	9.4	8.9	9.2	---	---	---
2	7.0	6.5	6.6	7.6	6.7	7.2	9.4	8.7	9.0	---	---	---
3	6.7	6.4	6.6	7.5	7.1	7.3	9.1	8.8	9.0	---	---	---
4	7.0	6.5	6.7	7.6	7.1	7.4	9.3	8.8	9.0	---	---	---
5	7.0	6.3	6.6	7.8	7.3	7.5	9.2	8.8	9.0	---	---	---
6	7.0	6.5	6.6	7.6	7.3	7.4	9.4	8.9	9.2	---	---	---
7	7.0	6.5	6.7	7.8	7.3	7.7	9.4	9.0	9.2	---	---	---
8	7.0	6.7	6.8	8.3	7.5	7.8	9.3	8.9	9.0	---	---	---
9	7.2	6.6	6.8	8.6	7.7	8.1	9.2	8.8	8.9	---	---	---
10	7.2	6.6	6.8	8.6	8.0	8.4	9.4	8.8	9.0	---	---	---
11	7.0	6.6	6.7	8.7	8.3	8.5	9.0	8.6	8.8	---	---	---
12	7.1	6.7	6.8	8.7	8.3	8.5	8.8	8.5	8.7	---	---	---
13	7.0	6.6	6.8	8.7	8.2	8.5	9.2	8.5	8.7	---	---	---
14	7.1	6.7	6.9	8.6	8.3	8.5	9.2	8.8	9.0	---	---	---
15	6.9	6.6	6.7	9.1	8.3	8.6	9.6	9.0	9.3	---	---	---
16	7.0	6.7	6.8	9.5	8.4	8.9	9.8	9.3	9.5	---	---	---
17	7.2	6.7	6.9	9.1	8.7	8.9	9.8	9.5	9.6	---	---	---
18	7.3	6.9	7.1	9.1	8.7	8.9	9.9	9.4	9.6	---	---	---
19	7.4	7.1	7.2	9.1	8.7	8.9	9.9	9.4	9.6	---	---	---
20	7.3	6.9	7.1	9.0	8.5	8.8	9.8	9.4	9.6	---	---	---
21	7.3	6.6	6.9	8.8	8.5	8.7	10.1	9.5	9.8	---	---	---
22	7.0	6.7	6.9	8.9	8.4	8.6	---	---	---	---	---	---
23	7.1	6.8	7.0	8.8	8.4	8.6	---	---	---	---	---	---
24	7.2	6.9	7.1	8.9	8.3	8.6	---	---	---	---	---	---
25	7.3	7.0	7.2	8.5	8.2	8.4	---	---	---	11.6	11.0	11.4
26	7.4	7.0	7.2	8.6	8.3	8.4	---	---	---	11.6	11.2	11.4
27	7.5	7.0	7.2	9.0	8.6	8.7	---	---	---	11.6	11.2	11.3
28	7.6	7.1	7.3	9.4	8.8	9.1	---	---	---	11.7	11.2	11.4
29	7.6	7.0	7.3	9.3	8.9	9.1	---	---	---	---	---	---
30	7.4	6.9	7.1	9.4	9.0	9.2	---	---	---	---	---	---
31	7.3	6.8	7.0	---	---	---	---	---	---	12.1	11.5	11.8
MONTH	7.6	6.3	6.9	9.5	6.6	8.3	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.2	11.6	11.8	---	---	---	10.8	10.2	10.6	8.4	7.8	8.1
2	12.1	11.7	11.9	---	---	---	10.8	10.3	10.6	8.5	7.8	8.1
3	11.9	11.6	11.8	11.7	11.2	11.5	10.6	10.2	10.4	8.7	7.9	8.2
4	11.8	11.6	11.7	11.8	11.5	11.7	10.4	9.9	10.3	8.6	7.9	8.2
5	11.9	11.6	11.8	11.8	11.6	11.7	10.4	9.9	10.2	8.8	7.9	8.3
6	12.0	11.7	11.8	11.9	11.6	11.7	10.2	9.8	10.1	8.9	8.0	8.4
7	12.1	11.8	11.9	11.8	11.6	11.7	10.1	9.7	9.9	8.8	8.0	8.4
8	11.9	11.6	11.8	11.9	11.3	11.5	10.0	9.7	9.8	8.3	7.8	8.1
9	11.8	11.4	11.6	11.5	11.2	11.4	10.0	9.6	9.7	8.8	8.0	8.3
10	11.6	11.2	11.4	11.4	11.1	11.2	9.7	9.0	9.2	8.9	7.9	8.3
11	11.4	11.1	11.3	11.6	11.2	11.4	9.3	8.8	9.1	8.5	7.8	8.1
12	11.6	11.2	11.4	11.5	11.2	11.3	8.9	7.9	8.4	8.4	7.7	8.0
13	11.7	11.5	11.6	11.5	11.2	11.4	8.4	7.9	8.2	---	---	---
14	11.7	11.4	11.6	---	---	---	8.4	8.1	8.3	---	---	---
15	11.6	11.3	11.4	---	---	---	9.0	8.2	8.6	---	---	---
16	11.4	11.2	11.3	11.2	11.0	11.1	9.4	8.8	9.0	---	---	---
17	11.3	10.9	11.1	11.2	10.9	11.0	9.4	8.8	9.1	---	---	---
18	11.5	10.9	11.3	11.2	10.9	11.1	9.5	8.9	9.2	7.7	6.8	7.3
19	11.5	11.2	11.4	11.3	11.2	11.2	9.5	8.8	9.1	7.8	7.1	7.4
20	11.6	11.3	11.4	11.4	11.2	11.3	9.3	8.7	9.0	7.7	7.1	7.4
21	11.6	11.3	11.4	11.4	11.1	11.2	9.2	8.3	8.8	7.5	7.1	7.3
22	11.4	11.2	11.3	11.3	11.0	11.2	8.9	8.1	8.5	7.7	7.0	7.4
23	11.3	10.9	11.1	11.2	10.9	11.1	8.7	8.1	8.3	7.9	7.3	7.6
24	11.1	10.7	10.9	11.0	10.4	10.6	8.6	8.0	8.3	8.0	7.2	7.5
25	11.4	10.9	11.2	10.4	10.2	10.3	8.4	8.0	8.2	7.8	7.1	7.5
26	11.5	11.2	11.4	10.4	10.2	10.3	8.8	8.1	8.5	7.7	7.0	7.3
27	11.4	11.2	11.3	10.6	10.4	10.4	9.1	8.3	8.7	7.8	7.2	7.5
28	11.4	11.0	11.2	10.7	10.3	10.4	8.9	8.4	8.7	7.8	7.2	7.4
29	---	---	---	10.4	10.0	10.3	8.9	8.3	8.6	7.5	6.9	7.2
30	---	---	---	10.7	10.0	10.2	8.9	8.1	8.5	7.3	6.8	7.1
31	---	---	---	10.8	10.4	10.6	---	---	---	7.2	6.7	7.0
MONTH	12.2	10.7	11.5	---	---	---	10.8	7.9	9.1	---	---	---

ROANOKE RIVER BASIN

02081022 ROANOKE RIVER NEAR OAK CITY, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.0	6.5	6.8	6.3	6.0	6.1	5.8	5.6	5.7	5.7	5.5	5.6
2	6.8	6.4	6.6	6.4	5.9	6.1	5.9	5.7	5.8	5.8	5.5	5.7
3	6.6	6.2	6.4	6.5	6.1	6.3	5.9	5.6	5.7	6.3	5.7	6.0
4	6.4	6.1	6.2	6.6	6.3	6.4	5.9	5.7	5.8	6.1	5.8	5.9
5	6.6	6.1	6.3	6.7	6.3	6.5	---	---	---	6.4	5.8	5.9
6	6.6	6.1	6.3	6.7	6.3	6.5	---	---	---	6.1	5.7	5.9
7	7.1	5.9	6.6	6.4	5.8	6.1	6.0	5.6	5.8	6.7	6.0	6.1
8	7.1	6.6	6.8	6.2	5.7	5.9	6.2	5.8	6.0	6.6	5.9	6.0
9	6.9	6.3	6.6	6.2	5.9	6.0	6.2	5.7	6.1	6.1	5.8	6.0
10	6.9	6.2	6.5	6.2	6.0	6.1	6.3	6.0	6.2	6.2	5.8	5.9
11	6.8	6.3	6.5	6.3	6.0	6.1	6.3	6.0	6.1	6.1	5.9	6.0
12	6.7	6.2	6.4	6.2	5.8	6.0	6.4	5.6	6.0	6.1	5.7	5.9
13	6.7	6.1	6.4	6.1	5.6	5.8	5.8	5.1	5.5	6.0	5.5	5.8
14	6.7	6.0	6.3	5.9	5.6	5.7	5.7	5.2	5.4	5.9	5.4	5.6
15	6.6	5.8	6.2	5.7	5.4	5.5	5.9	5.0	5.5	6.0	5.3	5.5
16	6.4	5.8	6.1	5.6	5.4	5.5	5.9	5.4	5.7	---	---	---
17	6.4	5.5	5.9	5.6	5.4	5.5	6.0	5.5	5.8	---	---	---
18	6.2	5.7	6.0	5.6	5.4	5.5	6.0	5.6	5.8	---	---	---
19	6.2	5.5	5.8	5.8	5.4	5.6	6.3	5.7	5.9	---	---	---
20	6.1	5.7	5.9	5.7	5.2	5.6	6.3	5.5	5.9	---	---	---
21	6.5	5.8	6.2	5.6	5.3	5.5	6.0	5.4	5.7	---	---	---
22	6.4	5.9	6.1	5.6	5.3	5.5	6.1	5.7	5.9	---	---	---
23	6.5	5.8	6.2	5.6	5.3	5.4	6.3	5.6	5.8	---	---	---
24	6.4	5.9	6.2	5.6	5.2	5.4	6.2	5.6	5.9	---	---	---
25	6.5	5.9	6.2	5.7	5.2	5.5	6.3	5.8	5.9	---	---	---
26	6.6	6.0	6.3	5.8	5.5	5.6	6.3	5.8	6.0	---	---	---
27	6.3	6.0	6.1	5.8	5.6	5.7	6.2	5.8	5.9	---	---	---
28	6.3	5.9	6.1	5.8	5.2	5.5	6.3	5.8	6.0	6.3	6.1	6.2
29	6.4	6.0	6.2	5.5	5.2	5.3	6.1	5.7	5.8	6.5	6.3	6.4
30	6.4	6.1	6.2	5.6	5.2	5.4	6.0	5.6	5.7	6.7	6.3	6.5
31	---	---	---	5.7	5.4	5.6	5.8	5.4	5.6	---	---	---
MONTH	7.1	5.5	6.3	6.7	5.2	5.8	---	---	---	---	---	---

02081022 ROANOKE RIVER NEAR OAK CITY, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	86	75	80	80	71	76	89	84	87	---	---	---
2	83	77	78	82	72	78	89	82	85	---	---	---
3	80	76	78	82	76	80	86	82	84	---	---	---
4	83	77	79	82	76	80	87	82	84	---	---	---
5	83	74	77	83	78	80	85	82	83	---	---	---
6	81	75	77	80	76	78	87	82	85	---	---	---
7	81	75	77	81	76	80	88	83	86	---	---	---
8	81	77	78	86	77	80	88	84	85	---	---	---
9	83	76	78	88	79	82	87	83	84	---	---	---
10	83	76	78	87	80	84	89	83	86	---	---	---
11	80	76	77	86	82	85	85	81	83	---	---	---
12	80	76	78	88	82	85	83	80	82	---	---	---
13	80	74	77	87	82	84	85	79	81	---	---	---
14	81	75	78	84	81	83	84	81	82	---	---	---
15	77	74	75	87	79	82	86	82	83	---	---	---
16	77	74	76	91	80	85	86	82	84	---	---	---
17	79	74	76	88	83	85	86	83	84	---	---	---
18	80	75	78	88	84	86	87	82	85	---	---	---
19	81	77	79	88	84	86	87	82	84	---	---	---
20	80	76	78	87	83	86	85	82	83	---	---	---
21	80	72	76	87	83	85	87	82	84	---	---	---
22	76	73	75	89	83	85	---	---	---	---	---	---
23	76	74	75	87	83	85	---	---	---	---	---	---
24	77	73	75	89	83	85	---	---	---	---	---	---
25	78	74	76	85	82	84	---	---	---	91	87	89
26	78	74	76	84	82	83	---	---	---	91	88	90
27	79	74	76	85	83	84	---	---	---	91	88	89
28	80	75	77	90	84	87	---	---	---	91	87	89
29	80	74	77	88	85	87	---	---	---	---	---	---
30	78	73	75	89	84	87	---	---	---	---	---	---
31	77	73	74	---	---	---	---	---	---	93	88	90
MONTH	86	72	77	91	71	83	---	---	---	---	---	---
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	93	89	91	---	---	---	99	93	97	86	79	83
2	93	90	91	---	---	---	100	94	97	87	79	83
3	92	89	91	95	91	93	97	93	95	91	81	85
4	92	89	90	95	92	94	96	91	94	90	82	86
5	93	90	92	96	93	94	96	92	94	92	82	86
6	95	91	93	97	93	95	97	93	94	91	82	85
7	96	93	94	97	94	95	97	92	94	88	80	83
8	96	93	94	98	94	96	96	92	94	85	78	82
9	96	92	94	96	93	95	96	92	94	91	82	86
10	96	92	94	95	92	93	94	87	89	94	83	87
11	94	91	92	98	93	95	91	86	88	91	82	86
12	94	91	92	97	93	95	88	77	82	91	81	86
13	96	92	93	98	94	96	81	76	78	---	---	---
14	96	92	94	---	---	---	80	76	78	---	---	---
15	96	92	94	---	---	---	87	78	82	---	---	---
16	95	92	93	95	93	94	90	83	87	---	---	---
17	96	91	94	95	91	93	90	83	86	---	---	---
18	96	91	94	94	91	93	92	84	88	87	76	82
19	95	92	94	95	93	94	94	87	90	87	78	82
20	96	92	94	97	93	96	94	87	90	86	78	81
21	96	93	94	97	93	95	95	86	90	83	77	79
22	95	92	94	98	95	97	92	84	88	86	76	81
23	94	91	93	98	95	96	92	83	87	90	81	85
24	94	91	92	97	92	94	88	81	84	91	80	84
25	96	90	93	93	91	92	85	80	83	87	78	83
26	94	91	93	93	90	92	89	82	85	85	77	81
27	94	92	93	93	91	91	91	82	86	88	79	83
28	94	90	93	95	92	93	89	84	86	89	81	84
29	---	---	---	94	91	93	90	83	86	86	78	82
30	---	---	---	98	91	93	90	82	85	83	77	80
31	---	---	---	99	94	96	---	---	---	83	76	79
MONTH	96	89	93	---	---	---	100	76	88	---	---	---

ROANOKE RIVER BASIN

02081022 ROANOKE RIVER NEAR OAK CITY, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	80	74	77	78	74	77	74	71	72	74	70	72
2	77	71	75	81	74	77	76	72	74	75	71	73
3	73	69	71	83	77	80	77	73	74	81	73	77
4	72	67	70	85	79	82	78	74	76	78	73	75
5	74	68	71	85	80	82	---	---	---	81	72	74
6	77	70	73	85	80	83	---	---	---	76	70	73
7	84	68	76	82	74	78	79	74	77	83	73	75
8	84	76	80	80	72	76	80	75	77	81	72	74
9	82	74	78	80	75	77	80	73	78	76	71	74
10	83	74	78	80	76	78	81	76	78	77	71	73
11	82	74	77	83	77	80	81	76	79	75	71	73
12	81	73	76	81	73	78	83	73	78	75	69	72
13	81	73	76	77	71	74	75	66	71	73	67	70
14	82	71	75	75	71	73	75	68	70	73	66	69
15	82	73	77	73	68	70	77	65	72	73	65	68
16	81	72	76	72	68	71	76	69	73	---	---	---
17	80	69	74	72	68	70	78	71	75	---	---	---
18	77	70	74	72	68	70	78	72	75	---	---	---
19	77	68	72	74	70	71	81	73	76	---	---	---
20	74	69	72	74	67	72	82	71	76	---	---	---
21	79	70	74	73	69	71	79	70	74	---	---	---
22	77	71	74	73	69	71	81	74	78	---	---	---
23	79	70	76	73	69	70	82	73	76	---	---	---
24	79	72	76	73	67	70	81	72	76	---	---	---
25	80	72	76	75	67	71	81	74	76	---	---	---
26	80	73	76	76	72	74	80	74	76	---	---	---
27	77	73	75	77	74	76	79	73	75	---	---	---
28	79	74	76	78	68	73	80	73	76	78	75	76
29	79	74	76	72	67	69	78	72	75	80	76	78
30	79	75	77	72	67	70	77	71	74	81	77	79
31	---	---	---	73	69	71	75	70	72	---	---	---
MONTH	84	67	75	85	67	74	---	---	---	---	---	---

02081028 ROANOKE RIVER AT HAMILTON, NC

LOCATION.--Lat 35°56'51", long 77°12'09", Martin County, Hydrologic Unit 03010107, on downstream side of public boat ramp, 0.5 mi east of Hamilton.

DRAINAGE AREA.--8,890 mi².

PERIOD OF RECORD.--August 1986 to current year.

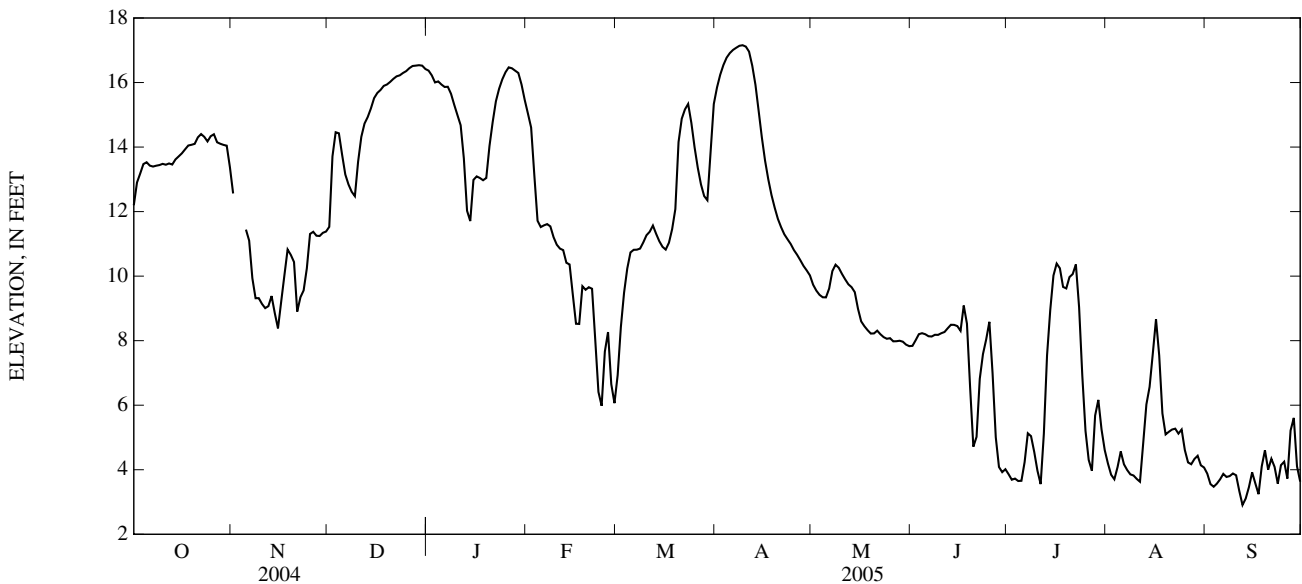
GAGE.--Water stage recorder. Datum of gage is NGVD of 1929. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 18.17 ft, Sept. 19, 1999; minimum elevation 1.33 ft, Jan. 4, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 17.18 ft, Apr. 9; minimum elevation, 2.81 ft, Sept. 12.

ELEVATION, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.20	12.56	11.53	16.37	15.04	6.93	15.85	9.73	7.84	3.86	4.19	3.88
2	12.90	---	13.71	16.22	14.61	8.42	16.24	9.55	8.01	3.69	3.84	3.56
3	13.18	---	14.46	16.00	13.12	9.49	16.54	9.42	8.20	3.73	3.70	3.47
4	13.47	---	14.43	16.03	11.72	10.24	16.77	9.34	8.23	3.65	4.08	3.57
5	13.53	11.44	13.77	15.94	11.52	10.73	16.91	9.34	8.20	3.66	4.57	3.70
6	13.42	11.10	13.15	15.86	11.57	10.82	17.01	9.62	8.14	4.24	4.17	3.87
7	13.40	9.94	12.84	15.87	11.61	10.82	17.08	10.16	8.13	5.13	3.99	3.78
8	13.42	9.31	12.61	15.65	11.54	10.85	17.14	10.35	8.18	5.04	3.86	3.80
9	13.44	9.32	12.48	15.31	11.21	11.05	17.16	10.26	8.18	4.55	3.82	3.88
10	13.48	9.14	13.54	14.99	10.97	11.27	17.11	10.07	8.23	3.97	3.71	3.83
11	13.45	9.01	14.32	14.68	10.85	11.38	16.96	9.90	8.27	3.55	3.63	3.34
12	13.49	9.07	14.73	13.65	10.81	11.57	16.52	9.75	8.38	5.12	4.82	2.91
13	13.46	9.38	14.93	12.03	10.41	11.31	15.93	9.66	8.49	7.55	6.02	3.11
14	13.62	8.85	15.20	11.71	10.36	11.08	15.12	9.50	8.49	8.95	6.57	3.46
15	13.71	8.38	15.52	12.98	9.43	10.91	14.30	8.99	8.45	10.02	7.59	3.92
16	13.80	9.22	15.68	13.09	8.52	10.82	13.58	8.60	8.30	10.39	8.67	3.58
17	13.93	10.03	15.77	13.04	8.52	11.04	13.00	8.45	9.09	10.24	7.54	3.24
18	14.05	10.83	15.90	12.97	9.69	11.46	12.52	8.32	8.53	9.67	5.75	4.10
19	14.07	10.66	15.94	13.04	9.58	12.08	12.12	8.22	6.53	9.62	5.09	4.60
20	14.10	10.44	16.02	14.03	9.66	14.16	11.77	8.23	4.71	9.97	5.17	4.00
21	14.30	8.90	16.11	14.77	9.61	14.88	11.52	8.31	5.02	10.06	5.25	4.34
22	14.40	9.35	16.19	15.42	8.03	15.17	11.30	8.20	6.82	10.36	5.27	4.09
23	14.32	9.56	16.22	15.81	6.41	15.34	11.14	8.11	7.58	9.03	5.12	3.57
24	14.17	10.24	16.30	16.10	5.98	14.75	11.00	8.06	8.04	6.92	5.25	4.14
25	14.34	11.31	16.35	16.32	7.66	13.99	10.81	8.08	8.58	5.20	4.61	4.25
26	14.40	11.37	16.45	16.47	8.27	13.36	10.66	7.98	6.99	4.30	4.23	3.73
27	14.15	11.25	16.51	16.44	6.65	12.84	10.49	7.98	5.01	3.97	4.17	5.21
28	14.10	11.24	16.52	16.37	6.06	12.48	10.32	8.00	4.08	5.68	4.33	5.61
29	14.07	11.34	16.54	16.30	---	12.35	10.18	7.97	3.92	6.16	4.43	4.11
30	14.04	11.38	16.52	15.94	---	13.85	10.02	7.88	4.02	5.25	4.14	3.63
31	13.37	---	16.42	15.46	---	15.33	---	7.83	---	4.61	4.07	---
MEAN	13.73	---	15.05	15.00	9.98	11.96	13.90	8.90	7.35	6.39	4.89	3.88
MAX	14.40	---	16.54	16.47	15.04	15.34	17.16	10.35	9.09	10.39	8.67	5.61
MIN	12.20	---	11.53	11.71	5.98	6.93	10.02	7.83	3.92	3.55	3.63	2.91



02081054 ROANOKE RIVER AT WILLIAMSTON, NC

LOCATION.--Lat 35°51'35", long 77°02'25", Martin County, 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.

PERIOD OF RECORD.--December 1985 to current year.

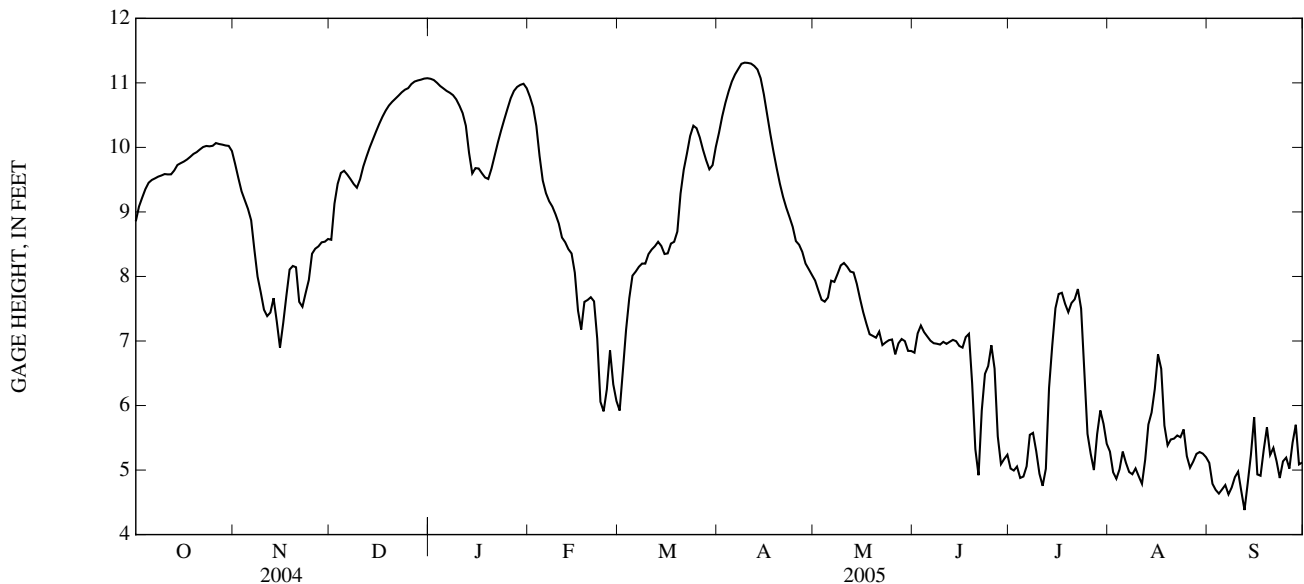
GAGE.--Water stage recorder. Datum of gage is 2.86 ft above NGVD of 1929. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.91 ft, Apr. 27, 2003; minimum gage height, -0.35 ft, Jan. 4, 1989.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.35 ft, Apr. 9; minimum gage height, 4.16 ft, Sept. 12.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.86	9.74	8.57	11.06	10.78	5.92	10.23	7.94	6.82	5.02	5.29	5.11
2	9.08	9.53	9.13	11.04	10.62	6.54	10.48	7.79	7.12	4.99	4.97	4.79
3	9.22	9.32	9.44	11.00	10.33	7.17	10.69	7.64	7.24	5.05	4.87	4.69
4	9.35	9.18	9.60	10.95	9.87	7.66	10.87	7.61	7.14	4.88	5.01	4.64
5	9.45	9.05	9.64	10.91	9.49	8.01	11.02	7.67	7.07	4.90	5.29	4.70
6	9.50	8.87	9.58	10.88	9.29	8.08	11.13	7.93	7.00	5.06	5.11	4.77
7	9.52	8.42	9.51	10.85	9.17	8.15	11.21	7.92	6.97	5.55	4.97	4.62
8	9.55	8.00	9.43	10.81	9.08	8.20	11.30	8.04	6.96	5.58	4.94	4.73
9	9.56	7.75	9.38	10.74	8.96	8.20	11.31	8.17	6.94	5.29	5.03	4.89
10	9.59	7.48	9.51	10.65	8.82	8.35	11.31	8.21	6.99	4.94	4.90	4.98
11	9.58	7.39	9.70	10.53	8.60	8.42	11.30	8.15	6.96	4.76	4.79	4.67
12	9.58	7.44	9.86	10.34	8.53	8.47	11.26	8.08	6.99	5.02	5.16	4.38
13	9.64	7.66	10.0	9.92	8.42	8.54	11.21	8.06	7.02	6.27	5.71	4.80
14	9.73	7.30	10.12	9.60	8.36	8.47	11.07	7.89	7.00	6.93	5.89	5.24
15	9.76	6.90	10.25	9.68	8.06	8.35	10.82	7.66	6.92	7.51	6.25	5.82
16	9.78	7.28	10.37	9.67	7.47	8.36	10.52	7.45	6.90	7.73	6.79	4.93
17	9.81	7.70	10.48	9.60	7.18	8.51	10.21	7.27	7.06	7.75	6.57	4.91
18	9.85	8.11	10.57	9.53	7.61	8.54	9.94	7.10	7.11	7.58	5.69	5.32
19	9.90	8.16	10.65	9.51	7.64	8.70	9.68	7.08	6.34	7.45	5.38	5.66
20	9.93	8.14	10.71	9.67	7.68	9.28	9.44	7.05	5.32	7.59	5.47	5.23
21	9.97	7.61	10.75	9.87	7.61	9.65	9.23	7.14	4.92	7.65	5.49	5.34
22	10.01	7.53	10.80	10.08	7.03	9.91	9.07	6.94	5.92	7.80	5.54	5.14
23	10.02	7.74	10.85	10.26	6.06	10.18	8.92	6.98	6.49	7.50	5.51	4.88
24	10.02	7.95	10.89	10.43	5.91	10.34	8.77	7.01	6.61	6.54	5.63	5.13
25	10.02	8.35	10.92	10.60	6.25	10.30	8.55	7.02	6.93	5.56	5.22	5.19
26	10.07	8.43	10.98	10.76	6.85	10.16	8.49	6.79	6.57	5.25	5.04	5.02
27	10.05	8.47	11.02	10.87	6.33	9.97	8.38	6.96	5.52	5.00	5.13	5.42
28	10.04	8.53	11.04	10.94	6.07	9.80	8.20	7.03	5.09	5.56	5.25	5.70
29	10.03	8.54	11.05	10.97	---	9.66	8.11	7.00	5.17	5.92	5.28	5.09
30	10.02	8.58	11.07	10.99	---	9.73	8.02	6.85	5.24	5.72	5.25	5.12
31	9.94	---	11.07	10.92	---	10.01	---	6.84	---	5.41	5.20	---
MEAN	9.72	8.17	10.22	10.44	8.15	8.76	10.02	7.46	6.54	6.06	5.37	5.03
MAX	10.07	9.74	11.07	11.06	10.78	10.34	11.31	8.21	7.24	7.80	6.79	5.82
MIN	8.86	6.90	8.57	9.51	5.91	5.92	8.02	6.79	4.92	4.76	4.79	4.38



02081094 ROANOKE RIVER AT JAMESVILLE, NC

LOCATION.--Lat 35°48'47", long 76°53'34", Martin County, Hydrologic Unit 03010107, at private pier on right bank, 50 ft downstream of boat ramp at end of Water Street, approximately 19.2 mi upstream from mouth, and 0.5 mi northeast of Jamesville.

DRAINAGE AREA.--9,250 mi².

TIDAL-ELEVATION RECORDS

PERIOD OF RECORD.--October 1990 to September 1993, August 1996 to current year. Records from August 1996 to September 1997 are unpublished and available in the USGS Water Science Center, Raleigh, NC.

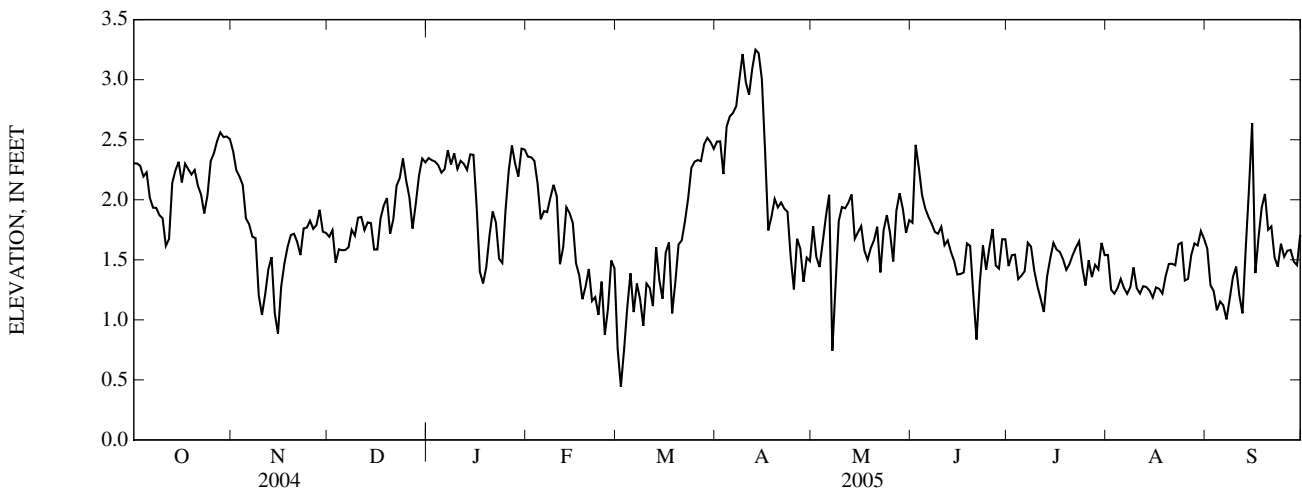
GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 5.87 ft, Sept. 18, 19, 1999; minimum elevation, -1.14 ft, Sept. 1, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 3.35 ft, Apr. 13; minimum elevation, 0.09 ft, Mar. 2.

ELEVATION, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.30	2.40	1.69	2.35	2.36	0.76	2.49	1.78	1.81	1.45	1.54	1.59
2	2.30	2.25	1.75	2.33	2.35	0.44	2.49	1.53	2.46	1.54	1.25	1.29
3	2.28	2.19	1.48	2.32	2.33	0.75	2.21	1.44	2.26	1.54	1.22	1.24
4	2.19	2.12	1.59	2.29	2.14	1.10	2.61	1.65	2.04	1.34	1.26	1.08
5	2.23	1.84	1.58	2.23	1.84	1.39	2.69	1.86	1.93	1.37	1.34	1.15
6	2.02	1.80	1.58	2.25	1.91	1.06	2.72	2.04	1.86	1.40	1.27	1.12
7	1.93	1.69	1.60	2.41	1.90	1.30	2.78	0.74	1.80	1.64	1.22	1.00
8	1.93	1.68	1.75	2.29	2.02	1.17	3.01	1.29	1.73	1.61	1.27	1.17
9	1.87	1.20	1.70	2.39	2.12	0.95	3.21	1.82	1.72	1.41	1.44	1.36
10	1.85	1.04	1.85	2.26	2.03	1.30	2.98	1.94	1.78	1.28	1.26	1.44
11	1.62	1.21	1.86	2.32	1.46	1.27	2.87	1.93	1.62	1.18	1.22	1.20
12	1.67	1.42	1.75	2.30	1.60	1.11	3.09	1.98	1.66	1.07	1.28	1.05
13	2.14	1.52	1.81	2.25	1.94	1.61	3.25	2.04	1.57	1.36	1.27	1.59
14	2.25	1.05	1.81	2.38	1.89	1.33	3.22	1.68	1.49	1.51	1.24	2.08
15	2.32	0.89	1.59	2.37	1.81	1.18	3.00	1.73	1.38	1.64	1.19	2.64
16	2.14	1.28	1.59	1.94	1.47	1.56	2.41	1.78	1.38	1.59	1.27	1.39
17	2.30	1.47	1.84	1.40	1.37	1.64	1.74	1.58	1.39	1.57	1.26	1.69
18	2.25	1.61	1.95	1.30	1.17	1.05	1.86	1.50	1.64	1.50	1.22	1.94
19	2.21	1.71	2.01	1.44	1.28	1.31	2.01	1.60	1.62	1.42	1.36	2.05
20	2.25	1.72	1.72	1.70	1.42	1.63	1.94	1.66	1.21	1.46	1.47	1.75
21	2.12	1.65	1.84	1.90	1.16	1.66	1.98	1.78	0.84	1.54	1.47	1.78
22	2.04	1.54	2.12	1.81	1.19	1.82	1.93	1.40	1.31	1.60	1.45	1.52
23	1.89	1.76	2.18	1.51	1.04	2.01	1.90	1.75	1.62	1.65	1.63	1.44
24	2.04	1.77	2.34	1.47	1.32	2.27	1.52	1.87	1.42	1.44	1.64	1.63
25	2.32	1.83	2.16	1.91	0.87	2.32	1.25	1.73	1.60	1.29	1.33	1.53
26	2.39	1.76	2.02	2.24	1.10	2.33	1.68	1.49	1.76	1.50	1.34	1.58
27	2.49	1.79	1.76	2.45	1.49	2.32	1.59	1.91	1.45	1.36	1.54	1.58
28	2.56	1.92	1.97	2.30	1.43	2.46	1.32	2.05	1.43	1.46	1.64	1.49
29	2.52	1.73	2.20	2.19	---	2.52	1.52	1.92	1.67	1.42	1.62	1.45
30	2.53	1.72	2.34	2.43	---	2.48	1.49	1.72	1.67	1.64	1.74	1.71
31	2.50	---	2.31	2.42	---	2.42	---	1.83	---	1.54	1.68	---
MEAN	2.18	1.65	1.86	2.10	1.64	1.57	2.29	1.71	1.64	1.46	1.38	1.52
MAX	2.56	2.40	2.34	2.45	2.36	2.52	3.25	2.05	2.46	1.65	1.74	2.64
MIN	1.62	0.89	1.48	1.30	0.87	0.44	1.25	0.74	0.84	1.07	1.19	1.00



WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955 to 1967, 1998 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1955 to September 1967, March 1998 to current year

pH: March 1998 to current year.

WATER TEMPERATURE: October 1955 to September 1967, March 1998 to current year.

DISSOLVED OXYGEN: March 1998 to current year.

DISSOLVED OXYGEN, PERCENT SATURATION: March 1998 to current year.

INSTRUMENTATION.-- Water-quality monitor with satellite telemetry from March 1998 to current year.

REMARKS.--Station operated in cooperation with North Carolina Department of Environment and Natural Resources (DENR), Division of Water Resources, to define water-quality characteristics in the Roanoke River Basin below Roanoke Rapids Dam. Dissolved oxygen, percent saturation, is computed using a barometric pressure of 760 mm Hg beginning October 1, 2000.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	182, April 11, 1999	36, September 19-21, 1999
pH, standard units	7.7, June 14, 15, 16, 17, 2002	5.6, May 3, 1998, September 18, 19, 1999
WATER TEMPERATURE, °C	31.4, August 3, 2002	2.2, January 5, 6, 2001, January 28, 29, 2003
DISSOLVED OXYGEN, mg/L	14.3, January 8, 1999	<1.0, September 21-30, 2003
DISSOLVED OXYGEN, PERCENT SATURATION,%	112, January 8, 1999	<10, September 21-30, 2003

EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	144, September 18	94, August 1, 2
pH, standard units	7.6, February 27, 28, March 6-9	6.6, June 30, August 1, 2
WATER TEMPERATURE, °C	30.4, July 29	2.8, January 29
DISSOLVED OXYGEN, mg/L	11.8, January 29, 30, February 2, 3, March 20, 22	4.4, June 30, July 31
DISSOLVED OXYGEN, PERCENT SATURATION,%	102, March 22, 23	52, November 2

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS,
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	110	104	106	109	106	108	108	105	106	102	101	102
2	110	104	107	111	108	109	108	104	106	103	102	103
3	109	104	106	114	109	111	107	104	106	103	103	103
4	108	104	105	113	109	111	105	103	104	104	103	103
5	108	103	105	113	109	111	104	103	104	105	103	104
6	109	104	105	113	109	111	104	103	104	105	104	104
7	108	104	105	112	108	110	105	103	104	106	104	105
8	108	103	105	112	109	110	106	105	105	106	105	105
9	108	104	105	113	109	111	106	105	105	106	105	105
10	108	103	105	118	108	112	106	105	106	107	102	105
11	109	104	105	117	108	112	106	106	106	107	105	106
12	---	---	---	114	108	112	108	104	105	107	105	106
13	109	103	106	114	109	111	105	102	103	108	104	106
14	108	103	105	114	108	110	103	102	103	107	105	106
15	108	104	106	113	108	110	104	102	103	107	105	106
16	108	105	106	113	108	110	104	103	104	111	105	108
17	107	104	105	111	103	107	104	103	104	106	100	102
18	107	104	105	111	102	106	104	104	104	101	99	100
19	107	105	106	108	104	106	104	100	104	104	100	102
20	108	105	106	107	104	105	104	103	103	105	100	102
21	108	106	107	109	104	105	104	103	103	104	101	103
22	109	102	107	109	105	107	104	103	103	105	102	103
23	104	100	102	110	106	107	104	102	103	104	101	102
24	105	100	103	113	106	108	103	102	102	102	101	102
25	105	101	104	109	106	107	102	101	101	101	100	101
26	106	103	104	110	106	108	101	98	100	101	100	100
27	106	104	105	109	106	107	99	98	99	100	100	100
28	105	105	105	109	105	107	100	99	99	100	99	100
29	108	105	106	109	105	106	101	99	100	100	98	100
30	108	105	106	108	105	106	101	100	101	100	98	99
31	108	106	107	---	---	---	102	101	101	100	98	99
MONTH	---	---	---	118	102	109	108	98	103	111	98	103
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	100	98	99	113	106	109	102	100	101	116	114	115
2	101	99	100	118	107	112	101	99	100	116	115	116
3	101	99	100	118	109	114	100	99	100	116	115	116
4	101	99	100	113	102	105	101	100	100	116	115	116
5	101	99	100	106	103	105	101	100	101	116	114	115
6	107	100	102	107	104	105	101	100	101	116	109	113
7	108	101	105	108	104	106	103	101	102	110	108	109
8	105	101	103	108	104	106	102	101	101	110	108	109
9	107	102	104	107	105	106	102	101	102	111	109	110
10	107	102	105	106	105	105	103	102	102	110	106	107
11	108	103	105	105	102	104	103	102	103	107	106	106
12	109	104	106	104	100	102	104	103	103	108	106	107
13	109	105	107	104	101	102	104	102	103	108	105	106
14	109	105	107	104	101	103	103	102	102	107	105	106
15	111	105	107	104	101	103	104	102	103	109	105	107
16	110	106	108	105	103	103	106	104	105	109	105	107
17	111	107	109	103	102	103	107	106	107	108	106	106
18	114	108	110	103	101	102	109	105	108	110	107	109
19	117	107	112	102	101	102	109	108	109	111	110	110
20	116	108	110	102	98	100	111	109	110	111	109	110
21	113	107	110	100	98	99	114	110	112	110	109	109
22	113	108	111	99	98	98	113	112	113	112	109	109
23	112	108	110	98	97	98	116	113	114	111	110	110
24	114	111	113	98	97	97	114	113	114	111	109	110
25	118	109	112	98	96	97	114	113	114	111	109	110
26	120	113	117	98	96	97	115	113	114	110	109	110
27	118	115	116	99	98	98	115	112	114	113	110	111
28	115	106	112	99	98	99	115	114	115	114	113	113
29	---	---	---	101	98	100	117	114	115	114	113	113
30	---	---	---	101	100	101	118	114	115	113	112	113
31	---	---	---	102	101	101	---	---	---	114	113	113
MONTH	120	98	107	118	96	103	118	99	107	116	105	110

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS,—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	114	113	113	123	107	114	113	94	104	134	132	133
2	113	112	113	127	123	126	107	94	99	134	132	133
3	113	111	112	130	127	128	120	107	115	133	132	133
4	113	111	112	129	127	128	123	117	121	137	133	136
5	113	112	112	129	126	127	125	121	123	137	132	134
6	113	112	113	128	126	127	127	124	126	136	134	135
7	113	112	113	129	126	128	127	124	125	136	134	135
8	113	112	112	130	127	128	125	123	124	137	135	136
9	113	111	112	129	126	127	123	118	121	136	135	135
10	113	111	112	127	121	125	120	118	118	135	132	134
11	113	111	112	121	114	117	120	118	119	133	131	132
12	113	112	113	123	116	120	122	117	119	133	131	133
13	113	112	112	128	121	125	123	121	122	133	131	132
14	113	111	112	128	122	126	124	122	123	133	131	132
15	113	111	112	125	109	114	124	115	121	133	131	132
16	113	112	113	120	109	114	121	112	116	137	131	134
17	113	112	112	118	109	112	119	112	115	143	137	141
18	113	112	113	119	109	112	118	111	114	144	141	143
19	113	112	112	120	110	112	117	111	114	143	140	142
20	116	110	114	121	111	114	113	110	111	142	141	142
21	111	109	110	121	111	115	113	111	112	142	139	141
22	122	110	116	119	109	113	115	113	114	142	138	140
23	128	114	122	120	110	113	121	114	118	139	124	131
24	126	110	119	116	110	112	129	119	125	138	123	130
25	120	109	114	119	112	116	127	125	125	139	130	136
26	119	109	113	112	110	111	127	126	126	140	128	135
27	119	111	115	124	112	118	129	125	127	143	126	133
28	113	110	111	124	115	119	127	126	127	143	128	136
29	117	109	114	127	122	125	132	127	129	141	124	132
30	110	104	107	126	123	125	133	131	132	143	131	138
31	---	---	---	124	110	118	134	132	133	---	---	---
MONTH	128	104	113	130	107	120	134	94	120	144	123	135

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.0	7.0	7.0	7.0	6.9	6.9	7.3	7.1	7.2	7.1	7.0	7.1
2	7.1	7.0	7.1	6.9	6.9	6.9	7.2	7.2	7.2	7.1	7.0	7.0
3	7.1	7.1	7.1	6.9	6.9	6.9	7.2	7.2	7.2	7.0	7.0	7.0
4	7.1	7.1	7.1	6.9	6.9	6.9	7.3	7.2	7.2	7.0	7.0	7.0
5	7.1	7.0	7.1	6.9	6.9	6.9	7.2	7.2	7.2	7.0	7.0	7.0
6	7.1	7.0	7.1	7.0	6.9	7.0	7.2	7.1	7.2	7.0	7.0	7.0
7	7.0	7.0	7.0	7.0	6.9	6.9	7.1	7.1	7.1	7.0	7.0	7.0
8	7.0	7.0	7.0	6.9	6.8	6.9	7.1	7.0	7.1	7.0	7.0	7.0
9	7.0	6.9	7.0	6.9	6.9	6.9	7.1	7.0	7.0	7.0	7.0	7.0
10	6.9	6.9	6.9	7.0	6.9	7.0	7.1	7.0	7.1	7.0	7.0	7.0
11	6.9	6.9	6.9	7.0	7.0	7.0	7.1	7.1	7.1	7.0	7.0	7.0
12	---	---	---	7.0	7.0	7.0	7.2	7.1	7.1	7.0	7.0	7.0
13	6.9	6.8	6.9	7.1	7.0	7.1	7.1	7.1	7.1	7.0	7.0	7.0
14	6.9	6.8	6.8	7.1	7.0	7.1	7.1	7.1	7.1	7.0	6.9	6.9
15	6.8	6.8	6.8	7.1	7.0	7.1	7.1	7.1	7.1	7.0	6.9	6.9
16	6.9	6.8	6.8	7.1	7.0	7.1	7.2	7.1	7.2	7.0	7.0	7.0
17	7.0	6.8	6.8	7.1	7.0	7.1	7.2	7.1	7.1	7.0	7.0	7.0
18	7.0	6.9	6.9	7.2	7.1	7.2	7.1	7.1	7.1	7.1	7.0	7.0
19	7.0	6.9	6.9	7.3	7.2	7.2	7.1	7.0	7.0	7.1	7.0	7.1
20	6.9	6.9	6.9	7.3	7.2	7.2	7.1	7.0	7.0	7.2	7.1	7.1
21	6.9	6.9	6.9	7.2	7.2	7.2	7.1	7.1	7.1	7.3	7.2	7.3
22	7.0	6.9	6.9	7.2	7.1	7.1	7.1	7.1	7.1	7.3	7.3	7.3
23	6.9	6.9	6.9	7.2	7.1	7.1	7.1	7.0	7.0	7.3	7.3	7.3
24	6.9	6.9	6.9	7.2	7.1	7.2	7.0	7.0	7.0	7.4	7.3	7.3
25	6.9	6.9	6.9	7.2	7.2	7.2	7.0	7.0	7.0	7.4	7.3	7.4
26	7.0	6.9	6.9	7.3	7.2	7.3	7.1	7.0	7.0	7.3	7.3	7.3
27	7.0	7.0	7.0	7.3	7.3	7.3	7.1	7.1	7.1	7.3	7.3	7.3
28	7.0	7.0	7.0	7.3	7.2	7.3	7.1	7.1	7.1	7.3	7.3	7.3
29	7.0	7.0	7.0	7.2	7.2	7.2	7.2	7.1	7.1	7.3	7.3	7.3
30	7.0	7.0	7.0	7.3	7.2	7.3	7.1	7.1	7.1	7.3	7.3	7.3
31	7.0	6.9	7.0	---	---	---	7.1	7.1	7.1	7.3	7.2	7.3
MONTH	---	---	---	7.3	6.8	7.1	7.3	7.0	7.1	7.4	6.9	7.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.3	7.2	7.2	7.4	7.3	7.4	7.1	7.0	7.0	7.0	7.0	7.0
2	7.3	7.2	7.2	7.4	7.3	7.3	7.0	7.0	7.0	7.0	7.0	7.0
3	7.3	7.2	7.3	7.4	7.3	7.4	7.0	6.8	6.9	7.0	7.0	7.0
4	7.3	7.2	7.2	7.4	7.3	7.4	6.9	6.8	6.9	7.0	7.0	7.0
5	7.2	7.2	7.2	7.5	7.4	7.5	7.0	6.8	6.8	7.1	7.0	7.0
6	7.2	7.2	7.2	7.6	7.5	7.5	7.0	6.9	7.0	7.1	6.9	7.1
7	7.3	7.2	7.2	7.6	7.5	7.5	7.0	6.9	6.9	6.9	6.9	6.9
8	7.3	7.2	7.3	7.6	7.5	7.5	7.0	6.8	6.9	7.0	6.9	6.9
9	7.3	7.3	7.3	7.6	7.4	7.5	6.9	6.8	6.9	7.0	6.9	7.0
10	7.3	7.2	7.3	7.5	7.4	7.4	7.0	6.8	6.9	6.9	6.8	6.9
11	7.3	7.2	7.2	7.5	7.3	7.4	7.0	6.9	6.9	6.9	6.9	6.9
12	7.3	7.3	7.3	7.4	7.3	7.3	7.0	6.9	6.9	7.0	6.9	6.9
13	7.3	7.3	7.3	7.4	7.3	7.4	6.9	6.8	6.8	7.0	6.9	7.0
14	7.3	7.3	7.3	7.4	7.3	7.4	7.0	6.8	6.8	6.9	6.9	6.9
15	7.3	7.3	7.3	7.4	7.3	7.4	7.0	6.8	6.9	7.0	6.9	6.9
16	7.3	7.2	7.3	7.4	7.3	7.3	7.0	6.9	6.9	6.9	6.9	6.9
17	7.3	7.2	7.2	7.4	7.2	7.3	7.0	6.9	6.9	6.9	6.9	6.9
18	7.3	7.2	7.2	7.2	7.2	7.2	7.0	6.9	6.9	6.9	6.9	6.9
19	7.4	7.3	7.3	7.2	7.2	7.2	7.0	6.9	6.9	7.0	6.9	6.9
20	7.4	7.4	7.4	7.2	7.2	7.2	7.0	6.9	6.9	7.0	6.9	6.9
21	7.4	7.4	7.4	7.3	7.2	7.2	6.9	6.9	6.9	7.0	6.9	7.0
22	7.4	7.4	7.4	7.3	7.2	7.3	6.9	6.9	6.9	7.0	7.0	7.0
23	7.4	7.3	7.3	7.2	7.2	7.2	6.9	6.9	6.9	7.0	7.0	7.0
24	7.3	7.2	7.3	7.2	7.1	7.1	6.9	6.9	6.9	7.1	7.0	7.0
25	7.4	7.2	7.3	7.1	7.0	7.0	7.0	6.9	6.9	7.1	7.0	7.0
26	7.5	7.4	7.4	7.0	6.8	6.9	7.0	6.9	7.0	7.0	7.0	7.0
27	7.6	7.5	7.5	6.9	6.8	6.9	7.0	7.0	7.0	7.1	7.0	7.0
28	7.6	7.4	7.5	6.9	6.8	6.8	7.0	7.0	7.0	7.1	7.0	7.0
29	---	---	---	6.9	6.8	6.9	7.0	7.0	7.0	7.0	7.0	7.0
30	---	---	---	7.0	6.8	6.9	7.0	7.0	7.0	7.0	7.0	7.0
31	---	---	---	7.0	6.9	7.0	---	---	---	7.1	7.0	7.0
MONTH	7.6	7.2	7.3	7.6	6.8	7.2	7.1	6.8	6.9	7.1	6.8	7.0

ROANOKE RIVER BASIN

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.0	7.0	7.0	6.8	6.7	6.7	6.8	6.6	6.7	7.2	7.2	7.2
2	7.1	7.0	7.0	6.9	6.8	6.8	6.7	6.6	6.6	7.2	7.2	7.2
3	7.0	7.0	7.0	6.9	6.8	6.9	6.8	6.7	6.7	7.2	7.2	7.2
4	7.0	6.9	7.0	6.9	6.8	6.8	6.8	6.7	6.8	7.3	7.2	7.2
5	7.0	6.9	7.0	6.9	6.8	6.8	6.8	6.8	6.8	7.3	7.2	7.2
6	7.0	7.0	7.0	6.9	6.8	6.8	6.8	6.8	6.8	7.3	7.2	7.3
7	7.0	7.0	7.0	6.9	6.8	6.9	6.9	6.8	6.8	7.4	7.2	7.3
8	7.0	7.0	7.0	6.9	6.9	6.9	6.9	6.8	6.8	7.4	7.3	7.4
9	7.0	7.0	7.0	6.9	6.9	6.9	6.9	6.8	6.9	7.4	7.4	7.4
10	7.0	7.0	7.0	6.9	6.9	6.9	6.9	6.8	6.8	7.4	7.3	7.4
11	7.0	7.0	7.0	6.9	6.8	6.8	6.9	6.8	6.8	7.4	7.4	7.4
12	7.0	7.0	7.0	6.9	6.8	6.9	6.9	6.8	6.9	7.4	7.3	7.4
13	7.0	7.0	7.0	6.9	6.9	6.9	7.0	6.9	6.9	7.4	7.3	7.4
14	7.2	7.0	7.0	7.0	6.9	7.0	7.0	7.0	7.0	7.4	7.3	7.4
15	7.2	7.1	7.2	7.0	7.0	7.0	7.0	7.0	7.0	7.4	7.2	7.4
16	7.3	7.1	7.2	7.0	7.0	7.0	7.1	7.0	7.0	7.2	7.1	7.2
17	7.2	7.1	7.2	7.0	6.9	7.0	7.1	7.0	7.0	7.2	7.2	7.2
18	7.2	7.1	7.2	7.0	6.9	6.9	7.1	7.0	7.0	7.3	7.2	7.3
19	7.2	7.2	7.2	6.9	6.9	6.9	7.1	7.0	7.0	7.4	7.3	7.3
20	7.2	7.1	7.2	7.0	6.9	6.9	7.1	7.0	7.0	7.3	7.3	7.3
21	7.2	7.0	7.0	7.0	6.9	7.0	7.1	7.1	7.1	7.4	7.3	7.3
22	7.1	7.0	7.0	7.0	6.9	6.9	7.2	7.1	7.1	7.3	7.3	7.3
23	7.2	7.0	7.1	7.0	6.9	6.9	7.2	7.1	7.2	7.3	7.3	7.3
24	7.2	7.1	7.1	6.9	6.8	6.9	7.2	7.1	7.2	7.3	7.3	7.3
25	7.2	7.0	7.1	6.8	6.8	6.8	7.2	7.2	7.2	7.4	7.3	7.4
26	7.1	7.0	7.1	6.8	6.8	6.8	7.2	7.2	7.2	7.4	7.3	7.3
27	7.0	6.9	7.0	6.8	6.8	6.8	7.2	7.2	7.2	7.4	7.3	7.4
28	7.0	6.9	6.9	6.9	6.8	6.8	7.2	7.2	7.2	7.4	7.4	7.4
29	7.0	6.8	6.9	7.0	6.9	6.9	7.2	7.2	7.2	7.4	7.4	7.4
30	6.8	6.6	6.7	7.0	6.8	6.9	7.2	7.2	7.2	7.4	7.4	7.4
31	---	---	---	6.8	6.7	6.8	7.2	7.2	7.2	---	---	---
MONTH	7.3	6.6	7.0	7.0	6.7	6.9	7.2	6.6	7.0	7.4	7.1	7.3

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.9	23.5	23.7	18.8	18.2	18.5	12.8	12.6	12.7	6.8	6.1	6.4
2	24.1	23.6	23.8	18.9	18.2	18.6	12.6	12.1	12.3	7.5	6.7	7.1
3	23.9	23.5	23.7	19.0	18.9	18.9	12.3	11.8	12.1	8.1	7.4	7.7
4	23.8	23.3	23.6	18.9	18.4	18.6	12.1	11.8	11.9	9.0	8.0	8.5
5	23.6	22.9	23.2	18.5	17.8	18.1	11.8	11.6	11.7	9.8	9.0	9.3
6	22.9	22.1	22.4	17.8	17.2	17.5	11.6	11.4	11.5	10.5	9.6	10.0
7	22.1	21.4	21.8	17.2	16.5	16.8	12.1	11.3	11.6	10.7	10.3	10.5
8	21.9	21.2	21.6	16.5	16.0	16.3	12.7	12.0	12.3	10.9	10.2	10.5
9	21.8	21.1	21.5	16.0	15.2	15.6	12.7	12.4	12.5	10.8	10.2	10.4
10	21.8	21.0	21.5	15.2	14.6	14.8	13.4	12.7	13.0	10.2	9.7	10
11	21.5	20.8	21.2	14.8	14.4	14.6	13.4	12.6	13.0	10.1	9.6	9.8
12	---	---	---	14.9	14.5	14.7	12.6	12.2	12.4	10.3	9.6	9.9
13	21.1	20.8	20.9	14.8	14.2	14.6	12.2	11.7	12.0	11.5	10.2	10.7
14	20.8	20.5	20.6	14.3	13.7	14.1	11.7	10.6	11.1	12.1	11.3	11.8
15	20.5	20.1	20.3	13.8	13.4	13.6	10.6	9.4	10	11.3	9.8	10.5
16	20.1	19.4	19.6	13.4	12.8	13.1	9.4	8.8	9.0	9.8	8.9	9.5
17	19.5	18.9	19.1	12.8	12.2	12.5	8.8	8.2	8.4	8.9	7.9	8.5
18	19.2	18.6	18.9	13.0	12.2	12.6	8.5	8.1	8.3	7.9	6.6	7.0
19	19.7	18.9	19.3	13.4	13.0	13.2	8.4	8.1	8.3	6.6	6.0	6.2
20	19.6	19.3	19.5	13.8	13.4	13.5	8.2	6.4	7.2	6.0	5.7	5.8
21	19.4	19.1	19.2	14.1	13.8	14.0	6.5	5.9	6.2	5.8	5.3	5.5
22	19.2	18.6	19.0	14.4	14.0	14.2	7.0	6.2	6.6	5.4	5.0	5.2
23	18.6	18.0	18.3	14.7	14.3	14.5	8.1	7.0	7.5	5.0	4.5	4.7
24	18.0	17.4	17.6	15.1	14.6	14.9	8.2	7.3	7.8	4.9	4.5	4.7
25	17.4	16.9	17.1	15.3	14.9	15.2	7.3	6.4	6.8	4.7	4.4	4.5
26	17.2	16.6	16.9	14.9	14.4	14.6	6.5	4.4	5.4	4.8	4.1	4.4
27	17.0	16.7	16.9	14.4	14.0	14.1	4.4	4.0	4.2	4.8	4.2	4.6
28	17.2	16.8	17.0	14.1	13.7	14.0	4.2	3.6	3.9	4.2	3.3	3.6
29	17.2	16.8	17.0	13.7	12.8	13.1	4.5	3.8	4.1	3.5	2.8	3.1
30	18.1	17.1	17.5	12.9	12.5	12.6	5.4	4.5	4.9	3.8	3.4	3.6
31	18.6	17.9	18.2	---	---	---	6.2	5.4	5.7	4.2	3.5	3.8
MONTH	---	---	---	19.0	12.2	15.0	13.4	3.6	9.2	12.1	2.8	7.3
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.1	3.6	3.9	7.2	6.8	6.9	13.7	12.5	13.1	16.8	16.3	16.6
2	4.4	3.5	3.9	7.3	6.7	6.9	13.8	13.2	13.5	16.9	16.5	16.7
3	4.3	4.0	4.1	6.9	6.4	6.7	13.5	12.3	12.9	16.9	16.3	16.6
4	4.4	3.9	4.2	6.8	6.2	6.5	14.1	12.4	13.2	17.4	16.6	16.9
5	5.0	4.2	4.5	6.6	6.5	6.5	15.2	13.4	14.1	17.5	16.9	17.1
6	5.5	4.5	4.9	6.8	6.2	6.5	16.0	14.2	14.9	16.9	15.3	16.5
7	5.8	5.2	5.4	7.3	6.6	6.9	16.5	15.3	15.9	16.0	15.2	15.5
8	6.3	5.7	5.9	7.6	7.2	7.4	17.1	16.1	16.5	16.2	15.8	16.0
9	6.9	6.3	6.5	7.6	6.9	7.2	16.9	15.9	16.5	16.7	16.0	16.3
10	7.4	6.9	7.2	7.9	7.3	7.6	16.2	14.7	15.6	17.6	16.4	16.9
11	7.2	6.8	6.9	8.1	7.5	7.9	16.6	14.8	15.7	18.5	17.4	18.0
12	6.9	6.6	6.8	8.2	7.5	7.8	16.2	14.5	15.2	19.3	18.4	18.8
13	7.0	6.6	6.8	8.6	7.9	8.2	14.5	13.0	13.7	19.2	18.6	19.0
14	6.9	6.7	6.8	8.6	8.2	8.3	13.7	12.3	12.9	19.3	18.6	19.0
15	7.5	6.8	7.2	8.5	8.1	8.3	13.7	12.5	13.1	20.1	19.2	19.7
16	8.1	7.3	7.8	8.6	8.0	8.3	13.7	12.2	12.9	20.4	19.7	20.0
17	8.4	7.8	8.1	8.1	7.2	7.6	14.2	12.4	13.2	20.4	19.5	19.9
18	8.1	7.6	7.8	8.1	7.2	7.6	14.9	13.2	14.0	21.3	20.0	20.6
19	8.0	7.4	7.7	8.1	7.8	7.9	15.9	14.3	15.0	21.3	21.0	21.1
20	7.6	7.0	7.3	8.3	7.7	8.0	16.9	15.5	16.1	21.3	20.6	21.0
21	7.2	7.0	7.1	9.1	8.2	8.5	17.4	16.5	16.9	20.8	20.0	20.4
22	7.6	7.1	7.4	9.4	8.5	8.8	18.1	17.2	17.6	20.8	19.8	20.3
23	8.1	7.3	7.7	10.5	9.4	9.9	18.2	18.0	18.1	20.8	20.0	20.4
24	7.9	7.6	7.7	10.7	10.2	10.5	18.0	17.1	17.4	20.9	20.2	20.6
25	7.7	7.4	7.6	11.0	10.2	10.6	17.1	16.0	16.4	20.8	20.3	20.6
26	7.8	7.3	7.5	11.5	10.7	11.1	16.0	15.8	15.9	21.1	19.9	20.4
27	7.5	7.1	7.3	11.4	10.9	11.1	16.6	15.8	16.2	21.4	20.3	20.9
28	7.1	6.8	6.8	11.9	11.0	11.4	16.3	15.9	16.1	21.6	20.8	21.2
29	---	---	---	12.5	11.3	11.9	16.1	15.7	15.9	21.9	20.9	21.4
30	---	---	---	13.3	11.9	12.5	16.4	15.7	16.1	22.2	21.5	21.8
31	---	---	---	13.4	12.3	12.9	---	---	---	22.5	21.6	22.0
MONTH	8.4	3.5	6.5	13.4	6.2	8.7	18.2	12.2	15.2	22.5	15.2	19.1

ROANOKE RIVER BASIN

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.1	21.6	21.8	27.1	26.0	26.4	27.6	27.1	27.3	28.7	28.2	28.4
2	21.6	21.3	21.4	27.6	27.1	27.4	27.9	26.9	27.3	29.0	28.4	28.7
3	21.5	21.1	21.3	27.6	27.4	27.5	28.3	27.5	27.8	28.8	28.5	28.7
4	21.8	21.1	21.3	28.1	27.6	27.8	28.4	27.6	27.9	28.8	28.3	28.5
5	21.9	20.9	21.4	28.0	27.8	27.9	28.8	28.0	28.4	28.3	27.8	27.9
6	22.5	21.6	22.0	28.5	27.8	28.1	29.4	28.4	28.9	27.8	27.1	27.3
7	23.3	22.4	22.8	29.0	28.4	28.6	29.7	29.1	29.4	27.1	26.7	26.8
8	23.9	23.0	23.4	29.0	28.3	28.6	29.6	29.2	29.4	26.7	26.2	26.4
9	24.2	23.4	23.8	28.7	28.3	28.5	29.4	28.8	29.1	26.3	25.9	26.1
10	24.7	23.5	24.0	28.8	28.2	28.5	29.2	28.4	28.8	26.0	25.5	25.7
11	24.8	23.8	24.3	28.8	28.3	28.6	29.2	28.8	29.0	25.6	25.3	25.4
12	25.6	24.6	25.1	29.1	28.8	28.9	29.2	28.6	28.9	25.7	25.2	25.4
13	25.4	24.7	25.0	28.8	28.3	28.5	29.3	28.5	28.9	26.0	25.6	25.8
14	25.7	24.7	25.2	28.5	27.5	28.2	30.0	29.0	29.4	25.9	25.7	25.8
15	26.2	25.1	25.6	28.4	27.4	27.8	29.7	29.2	29.4	25.8	25.5	25.6
16	26.3	25.4	25.8	28.4	27.5	28.0	29.7	29.1	29.4	25.8	25.2	25.5
17	27.3	25.8	26.4	28.6	27.7	28.1	29.2	28.5	28.8	26.2	25.7	25.9
18	27.1	25.9	26.6	29.0	28.1	28.5	28.7	28.1	28.4	26.5	26.1	26.3
19	26.8	25.5	26.2	29.0	28.1	28.5	29.0	28.5	28.7	27.1	26.4	26.8
20	26.5	25.1	25.5	28.7	27.9	28.2	29.2	28.4	28.8	27.2	26.9	27.1
21	25.9	24.9	25.3	29.3	28.3	28.7	29.7	28.9	29.3	27.4	27.1	27.2
22	26.0	25.3	25.7	29.5	28.8	29.1	29.5	28.8	29.2	27.4	27.0	27.3
23	25.9	25.2	25.5	29.5	28.9	29.2	29.5	29.1	29.3	27.4	27.1	27.2
24	25.6	24.9	25.3	29.2	28.7	28.9	29.5	28.9	29.2	27.2	27.0	27.1
25	26.1	25.2	25.7	29.0	28.5	28.7	29.3	28.8	29.1	27.0	26.6	26.7
26	26.1	25.9	26.0	29.5	28.6	29.0	28.9	28.1	28.3	26.6	26.2	26.4
27	26.2	25.7	26.0	30.2	29.2	29.7	28.4	28.1	28.2	26.7	26.3	26.5
28	26.0	25.7	25.9	30.3	29.8	30.0	28.1	27.8	28.0	26.6	26.0	26.3
29	25.9	25.5	25.7	30.4	30.0	30.2	28.0	27.7	27.9	26.2	25.7	25.9
30	26.0	25.1	25.5	30.1	29.2	29.7	28.3	27.8	28.0	26.0	25.3	25.5
31	---	---	---	29.2	27.5	28.5	28.5	28.1	28.3	---	---	---
MONTH	27.3	20.9	24.5	30.4	26.0	28.5	30.0	26.9	28.7	29.0	25.2	26.7

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	5.8	5.2	5.5	5.9	5.4	5.7	9.3	8.9	9.1	---	---	---
2	6.1	5.6	5.9	5.5	4.8	5.4	9.6	9.1	9.3	---	---	---
3	6.2	5.8	6.0	5.4	5.1	5.2	9.6	9.2	9.4	10.7	10.3	10.5
4	6.2	5.9	6.1	5.7	5.2	5.4	9.4	9.2	9.3	10.3	9.8	10.1
5	6.2	5.8	6.0	6.0	5.5	5.7	9.5	9.2	9.4	10.1	9.8	9.9
6	6.3	5.8	6.0	6.2	5.8	6.0	9.4	9.2	9.3	9.9	9.6	9.7
7	6.1	5.8	6.0	6.3	5.8	6.1	9.3	9.0	9.1	9.8	9.2	9.6
8	---	---	---	6.1	5.7	5.8	9.0	8.7	8.9	9.8	9.3	9.6
9	---	---	---	6.4	5.8	6.1	8.9	8.7	8.8	9.7	9.2	9.4
10	---	---	---	7.0	6.3	6.8	8.9	8.6	8.7	9.8	9.2	9.5
11	---	---	---	7.4	6.8	7.2	9.0	8.5	8.8	---	---	---
12	---	---	---	7.8	7.3	7.5	9.0	8.8	8.9	10.1	9.5	9.8
13	---	---	---	7.9	7.7	7.8	9.0	8.8	8.9	10.0	9.4	9.6
14	6.1	5.7	5.9	8.0	7.7	7.8	9.3	8.8	9.0	9.5	8.7	9.0
15	6.1	5.8	6.0	8.1	7.8	7.9	9.7	9.2	9.4	9.5	8.7	9.0
16	6.2	5.8	6.0	8.1	7.8	8.0	10.0	9.6	9.8	10.0	9.4	9.6
17	6.3	6.0	6.1	8.6	8.0	8.3	10.0	9.9	10	9.9	9.5	9.8
18	6.5	6.2	6.3	9.1	8.4	8.8	10.0	9.8	9.9	---	---	---
19	6.4	6.1	6.3	8.9	8.2	8.8	9.8	9.5	9.7	---	---	---
20	6.3	6.0	6.2	9.0	8.4	8.8	10.1	9.5	9.8	---	---	---
21	6.3	6.1	6.2	8.8	8.3	8.5	10.4	10.0	10.3	---	---	---
22	6.4	6.0	6.3	8.4	8.1	8.2	10.4	10.1	10.3	---	---	---
23	6.4	6.0	6.2	8.5	8.2	8.3	10.4	9.8	10.1	---	---	---
24	6.5	6.2	6.3	8.4	8.3	8.4	9.9	9.6	9.8	---	---	---
25	6.4	6.1	6.3	8.7	8.4	8.5	10.2	9.8	10	11.1	10.8	10.9
26	6.7	6.2	6.4	8.7	8.4	8.5	10.8	10.1	10.4	11.2	10.9	11.1
27	6.6	6.3	6.5	8.8	8.5	8.6	11.2	10.7	10.9	11.1	10.8	11.0
28	6.4	6.2	6.3	8.9	8.5	8.7	11.5	11.1	11.3	11.5	10.9	11.1
29	6.5	6.2	6.3	9.2	8.6	8.9	---	---	---	11.8	11.2	11.4
30	6.4	6.0	6.2	9.4	8.8	9.2	---	---	---	11.8	11.4	11.6
31	6.2	5.8	6.0	---	---	---	---	---	---	11.7	11.2	11.4
MONTH	---	---	---	9.4	4.8	7.5	---	---	---	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.7	11.2	11.5	10.8	10.4	10.7	10.1	9.4	9.7	---	---	---
2	11.8	11.3	11.6	10.9	10.7	10.8	9.9	9.3	9.5	---	---	---
3	11.8	11.4	11.5	11.0	10.8	10.9	9.9	9.1	9.4	---	---	---
4	11.6	11.2	11.4	11.3	10.9	11.1	9.8	9.0	9.4	---	---	---
5	11.5	11.1	11.3	11.6	11.3	11.4	9.6	8.8	9.2	---	---	---
6	11.5	11.1	11.3	11.7	11.5	11.6	9.4	8.4	8.9	---	---	---
7	11.4	11.2	11.3	11.7	11.5	11.6	9.2	8.0	8.6	---	---	---
8	11.5	11.2	11.3	11.6	11.3	11.4	8.9	7.4	8.0	---	---	---
9	11.5	11.1	11.3	11.6	11.3	11.4	8.8	7.1	7.9	---	---	---
10	11.4	10.9	11.0	11.5	11.2	11.4	9.2	7.6	8.4	---	---	---
11	11.0	10.8	10.9	11.3	10.9	11.1	9.1	7.7	8.4	7.3	6.8	7.0
12	11.1	10.9	11.0	11.3	10.9	11.1	8.8	7.6	8.0	7.2	6.8	7.0
13	11.2	10.9	11.0	11.3	11.1	11.2	7.9	7.1	7.3	7.2	6.5	7.0
14	11.2	10.9	11.0	11.3	10.9	11.2	8.5	7.0	7.6	6.9	6.6	6.8
15	11.1	10.8	11.0	11.5	11.1	11.3	8.8	7.6	8.2	6.9	6.2	6.7
16	11.0	10.6	10.8	11.6	11.2	11.3	8.9	8.0	8.5	6.6	6.1	6.3
17	10.8	10.5	10.6	11.6	11.2	11.4	8.9	8.1	8.5	6.6	6.2	6.4
18	10.9	10.4	10.7	11.6	11.3	11.4	8.8	8.0	8.4	6.5	6.1	6.3
19	10.9	10.6	10.7	11.7	11.3	11.5	8.8	8.0	8.4	6.4	5.8	6.2
20	11.2	10.8	11.0	11.8	11.5	11.6	8.6	7.8	8.2	6.4	5.8	6.2
21	11.3	11.0	11.2	11.7	11.4	11.6	8.3	7.6	7.9	6.8	6.3	6.5
22	11.2	11.0	11.1	11.8	11.4	11.6	8.0	7.2	7.6	6.8	6.3	6.5
23	11.0	10.8	10.9	11.6	10.8	11.1	7.7	7.0	7.3	6.9	6.5	6.7
24	10.8	10.5	10.7	10.8	10.2	10.5	---	---	---	7.0	6.5	6.7
25	10.6	10.4	10.5	10.6	10.2	10.4	---	---	---	7.0	6.5	6.8
26	10.7	10.3	10.5	10.3	9.8	10.1	---	---	---	6.9	6.4	6.6
27	10.9	10.6	10.8	10.1	9.6	9.9	---	---	---	6.9	6.5	6.7
28	11.1	10.7	10.9	9.9	9.5	9.7	---	---	---	6.9	6.5	6.7
29	---	---	---	9.9	9.3	9.6	---	---	---	6.8	6.5	6.6
30	---	---	---	10.2	9.3	9.7	---	---	---	6.6	6.2	6.4
31	---	---	---	10.1	9.5	9.7	---	---	---	6.7	6.2	6.4
MONTH	11.8	10.3	11.0	11.8	9.3	10.9	---	---	---	---	---	---

ROANOKE RIVER BASIN

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.6	6.1	6.3	5.0	4.6	4.8	5.0	4.6	4.8	5.9	5.6	5.8
2	6.6	6.0	6.4	5.1	4.7	4.9	4.8	4.5	4.6	5.9	5.6	5.8
3	6.5	6.0	6.3	5.2	4.7	5.0	5.0	4.5	4.7	5.9	5.5	5.7
4	6.2	5.9	6.0	5.2	4.6	4.9	4.9	4.6	4.7	6.1	5.5	5.8
5	6.3	6.0	6.1	5.2	4.8	5.0	5.1	4.7	4.9	6.2	5.8	6.0
6	6.3	6.0	6.2	5.0	4.7	4.9	5.1	4.9	5.0	6.3	5.8	6.1
7	6.2	6.0	6.1	5.2	4.8	5.0	5.0	4.8	4.9	6.4	5.9	6.1
8	6.1	5.9	6.0	5.4	5.0	5.2	5.1	4.8	5.0	6.4	6.0	6.2
9	6.2	5.8	6.0	5.5	5.1	5.3	5.4	5.0	5.1	6.5	6.2	6.3
10	6.3	6.0	6.1	5.2	4.9	5.1	5.2	4.9	5.1	6.6	6.2	6.4
11	6.2	5.6	5.9	5.1	4.7	4.9	5.1	4.7	4.9	6.7	6.2	6.4
12	6.0	5.6	5.8	5.2	4.8	5.0	5.4	4.9	5.1	6.6	6.1	6.4
13	5.9	5.7	5.8	5.5	5.0	5.3	5.8	5.0	5.4	6.4	5.9	6.2
14	6.0	5.6	5.8	5.6	5.2	5.4	5.8	5.5	5.6	6.4	6.0	6.2
15	6.0	5.6	5.7	5.6	5.4	5.5	5.6	5.4	5.5	6.5	5.8	6.3
16	5.9	5.6	5.8	5.8	5.4	5.6	5.7	5.4	5.5	5.8	5.3	5.5
17	5.8	5.4	5.6	---	---	---	5.7	5.5	5.6	5.7	5.1	5.4
18	5.8	5.4	5.6	---	---	---	5.7	5.5	5.6	5.8	5.3	5.6
19	5.8	5.3	5.6	---	---	---	5.7	5.4	5.6	5.9	5.4	5.7
20	5.5	5.2	5.4	---	---	---	5.9	5.4	5.6	5.8	5.3	5.5
21	5.6	5.3	5.4	5.5	5.3	5.4	---	---	---	5.8	5.4	5.6
22	5.6	5.1	5.4	5.5	5.2	5.4	---	---	---	5.8	5.4	5.5
23	6.0	5.5	5.7	5.4	5.2	5.3	---	---	---	5.8	5.3	5.5
24	6.1	5.7	5.9	5.3	4.9	5.2	---	---	---	5.9	5.4	5.6
25	---	---	---	5.0	4.8	4.9	---	---	---	6.0	5.3	5.7
26	---	---	---	4.9	4.7	4.8	---	---	---	6.0	5.5	5.7
27	---	---	---	4.9	4.6	4.7	6.0	5.6	5.8	6.1	5.6	5.8
28	5.8	5.5	5.7	5.0	4.6	4.8	6.0	5.6	5.8	6.2	5.7	5.9
29	5.9	5.3	5.6	5.5	4.9	5.2	6.0	5.7	5.9	6.3	5.8	6.1
30	5.3	4.4	4.8	5.4	4.5	5.0	6.0	5.7	5.8	6.2	5.9	6.0
31	---	---	---	5.1	4.4	4.7	5.9	5.7	5.8	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	6.7	5.1	5.9

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	69	61	65	63	58	61	88	84	86	---	---	---
2	73	66	70	59	52	57	90	86	88	---	---	---
3	73	68	71	58	55	56	90	85	87	89	86	88
4	74	70	72	61	56	58	88	85	86	88	85	86
5	73	68	71	63	58	60	88	85	87	89	85	87
6	73	67	69	65	61	63	87	84	85	89	85	87
7	70	66	68	65	60	63	86	82	84	88	82	86
8	---	---	---	63	58	60	84	82	83	89	83	86
9	---	---	---	64	58	62	84	82	83	87	82	84
10	---	---	---	70	63	67	85	81	83	87	81	84
11	---	---	---	73	67	71	86	81	84	---	---	---
12	---	---	---	77	72	74	84	83	84	90	84	87
13	---	---	---	78	75	77	84	81	83	89	85	87
14	68	64	66	78	75	76	84	81	82	88	80	83
15	68	64	66	78	75	76	85	82	84	84	78	81
16	68	63	66	77	74	76	87	84	86	87	82	84
17	68	65	66	81	75	78	86	84	85	86	81	83
18	70	67	68	85	79	83	85	84	84	---	---	---
19	70	67	68	85	78	84	84	81	83	---	---	---
20	69	66	67	86	81	84	83	80	82	---	---	---
21	69	66	67	85	81	83	85	81	83	---	---	---
22	69	64	68	82	79	80	86	83	84	---	---	---
23	68	64	66	84	80	82	86	83	85	---	---	---
24	68	65	67	84	82	83	84	81	83	---	---	---
25	67	63	65	87	83	85	83	80	82	86	84	85
26	70	64	66	86	82	84	84	81	83	87	84	86
27	68	65	67	86	83	84	86	82	84	87	84	85
28	67	64	65	87	83	85	88	85	86	87	82	84
29	68	64	66	87	83	85	---	---	---	89	83	85
30	67	63	65	89	83	87	---	---	---	89	86	88
31	66	62	63	---	---	---	---	---	---	90	84	87
MONTH	---	---	---	89	52	74	---	---	---	---	---	---
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	90	85	87	90	85	88	97	88	93	---	---	---
2	91	85	88	91	88	89	95	89	92	---	---	---
3	91	87	88	91	88	89	95	85	90	---	---	---
4	90	85	88	93	88	91	96	84	89	---	---	---
5	89	85	87	95	92	93	96	84	89	---	---	---
6	91	86	89	96	93	95	95	82	88	---	---	---
7	91	88	89	97	94	96	94	80	88	---	---	---
8	93	89	91	97	94	95	91	75	82	---	---	---
9	94	90	92	97	93	95	91	72	81	---	---	---
10	94	90	91	96	93	95	94	75	84	---	---	---
11	91	89	90	95	92	94	94	76	85	77	73	75
12	91	89	90	96	92	94	90	76	80	78	74	76
13	92	90	91	97	94	95	78	68	71	78	70	76
14	92	90	90	97	93	95	82	66	72	75	71	73
15	92	89	91	98	94	96	85	71	78	76	68	73
16	92	90	91	99	95	96	86	75	81	73	67	70
17	91	89	90	97	94	95	87	76	82	73	68	70
18	92	88	90	98	94	96	87	76	82	73	68	70
19	92	89	90	99	95	97	89	78	83	72	65	70
20	93	90	92	101	97	99	88	78	83	72	65	70
21	94	91	93	101	98	99	86	78	82	76	70	72
22	94	91	92	102	98	100	84	75	79	76	69	73
23	93	91	92	102	96	98	82	74	77	77	72	74
24	91	88	90	97	91	95	---	---	---	79	72	75
25	89	87	88	96	91	94	---	---	---	78	72	76
26	90	86	88	95	88	92	---	---	---	78	71	74
27	91	89	90	92	87	90	---	---	---	78	72	75
28	91	88	90	92	87	89	---	---	---	79	73	75
29	---	---	---	93	85	89	---	---	---	78	74	75
30	---	---	---	98	86	91	---	---	---	76	70	74
31	---	---	---	97	89	92	---	---	---	77	71	73
MONTH	94	85	90	102	85	94	---	---	---	---	---	---

ROANOKE RIVER BASIN

02081094 ROANOKE RIVER AT JAMESVILLE, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	75	70	72	63	57	60	64	58	60	77	72	75
2	75	68	72	65	59	62	61	57	59	77	72	75
3	74	68	71	66	60	63	64	57	59	77	71	74
4	71	67	69	67	59	62	63	59	61	79	71	75
5	72	68	70	67	61	64	66	60	63	79	74	77
6	73	68	71	65	60	63	67	63	65	80	74	77
7	72	70	71	68	62	64	66	63	65	80	74	76
8	73	69	71	70	64	67	67	63	65	80	74	78
9	74	68	71	71	66	68	70	65	67	81	77	78
10	75	71	73	68	63	65	68	64	66	81	76	78
11	75	67	70	66	61	63	67	61	64	82	76	78
12	74	67	71	68	63	65	71	64	67	81	75	78
13	72	69	71	71	65	68	76	65	71	79	73	76
14	74	68	71	72	67	69	77	72	74	79	74	77
15	74	68	70	72	68	71	74	71	72	80	71	77
16	73	68	71	75	69	72	75	71	72	71	65	67
17	73	68	70	---	---	---	75	71	73	71	63	67
18	73	68	71	---	---	---	74	71	72	72	66	69
19	72	66	70	---	---	---	74	70	72	74	68	72
20	67	64	66	---	---	---	77	70	73	73	67	70
21	69	64	67	72	68	70	---	---	---	74	68	71
22	69	62	66	72	68	70	---	---	---	74	68	70
23	74	67	70	71	68	70	---	---	---	73	67	70
24	74	69	72	69	64	67	---	---	---	75	68	70
25	---	---	---	65	62	63	---	---	---	75	66	71
26	---	---	---	64	61	63	---	---	---	75	68	72
27	---	---	---	64	60	63	77	72	74	76	70	73
28	72	68	70	67	61	64	77	72	75	77	71	74
29	72	65	69	73	65	69	77	73	75	78	72	75
30	65	54	59	72	59	66	77	73	75	76	69	74
31	---	---	---	66	57	61	76	73	75	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	82	63	74

0208111310 CASHIE RIVER AT SECONDARY ROAD 1257 NEAR WINDSOR, NC

LOCATION.--Lat 36°02'52", long 76°59'03", Bertie County, Hydrologic Unit 03010107, at downstream side of bridge on Secondary Road 1257, 2.0 mi upstream from State Highway 13 near Windsor.

DRAINAGE AREA.--108 mi².

PERIOD OF RECORD.--1987 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 15 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges and those below 5 ft³/s, which are poor. Maximum discharge for period of record, from rating curve extended above 5,500 ft³/s on basis of logarithmic plotting. Maximum gage height for period of record, from flood mark. Periods of no flow occur most years.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e7.0	4.8	44	81	112	192	161	16	15	3.0	28	2.0
2	5.6	6.5	43	97	116	259	155	15	18	6.4	12	1.7
3	5.4	9.8	41	119	127	286	187	14	24	7.2	8.7	1.3
4	5.3	16	39	121	141	266	207	12	24	4.9	8.4	0.94
5	e5.0	19	38	109	150	206	193	10	21	3.3	6.1	0.63
6	e4.0	18	37	94	141	154	225	54	18	4.0	4.2	0.44
7	3.7	15	36	81	135	121	194	186	30	3.3	3.3	0.41
8	2.7	13	34	70	133	108	183	285	99	2.4	3.2	0.28
9	1.9	13	34	63	122	113	178	256	94	2.0	3.4	0.17
10	1.5	11	37	57	108	129	164	229	105	1.7	3.5	0.10
11	1.1	10	38	53	94	129	159	183	91	3.0	3.0	0.05
12	0.93	15	40	49	81	156	175	131	60	2.8	3.1	0.02
13	1.5	43	39	46	73	164	186	86	40	2.0	2.7	0.01
14	2.9	58	36	62	68	134	225	59	32	1.7	2.3	0.01
15	3.6	69	42	117	68	108	242	45	33	1.8	2.1	0.01
16	4.3	76	60	216	68	97	215	51	28	2.1	2.2	0.00
17	4.6	75	57	367	71	130	205	57	20	3.2	4.0	0.00
18	5.3	65	49	406	67	252	174	53	14	3.7	3.0	0.00
19	7.1	57	44	292	65	356	139	45	9.3	3.4	6.2	0.00
20	8.0	51	40	203	63	454	111	52	6.0	3.0	6.4	0.00
21	11	46	36	156	61	452	88	57	4.1	3.0	4.2	0.00
22	17	40	33	130	58	368	70	55	2.0	2.9	3.7	0.00
23	14	39	33	121	55	326	62	48	0.93	2.9	3.5	0.00
24	13	38	33	120	57	362	54	48	0.31	2.7	3.5	0.00
25	13	37	32	113	64	385	46	65	0.09	2.5	3.2	0.00
26	13	37	33	105	74	340	40	55	0.04	2.2	3.0	0.00
27	11	35	37	97	73	291	34	47	0.05	1.8	3.0	0.00
28	10	38	42	87	104	255	28	39	0.15	1.3	2.9	0.00
29	8.5	39	47	76	---	227	21	32	3.4	1.2	2.8	0.00
30	7.2	42	56	85	---	210	19	25	4.4	7.0	2.8	0.00
31	6.0	---	66	95	---	187	---	20	---	32	2.4	---
TOTAL	205.13	1,036.1	1,276	3,888	2,549	7,217	4,140	2,330	796.77	124.4	150.8	8.07
MEAN	6.62	34.5	41.2	125	91.0	233	138	75.2	26.6	4.01	4.86	0.27
MAX	17	76	66	406	150	454	242	285	105	32	28	2.0
MIN	0.93	4.8	32	46	55	97	19	10	0.04	1.2	2.1	0.00
CFSM	0.06	0.32	0.38	1.16	0.84	2.16	1.28	0.70	0.25	0.04	0.05	0.00
IN.	0.07	0.36	0.44	1.34	0.88	2.49	1.43	0.80	0.27	0.04	0.05	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2005, BY WATER YEAR (WY)

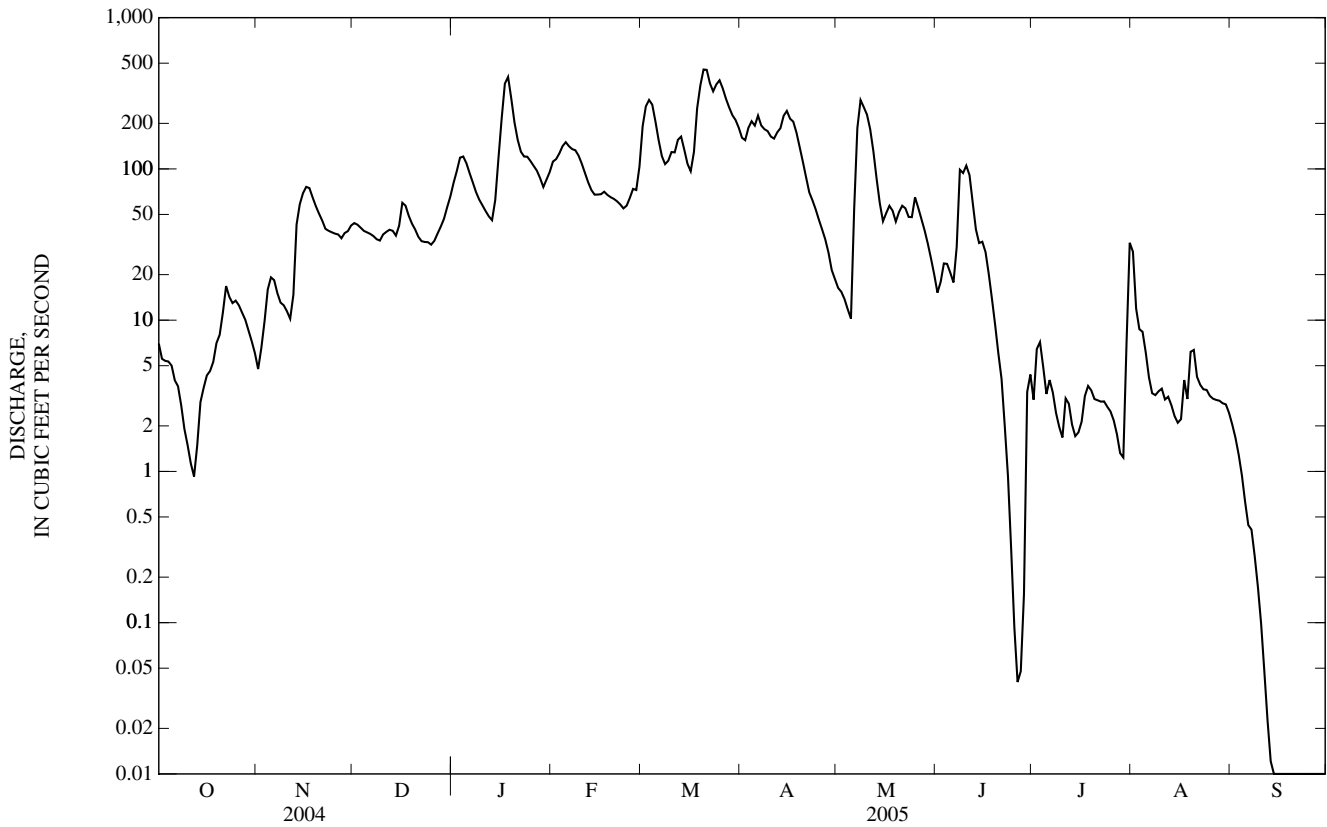
MEAN	65.7	50.3	97.1	169	202	224	137	62.3	69.6	28.9	104	164
MAX	614	195	360	509	651	663	367	321	487	102	610	1,838
(WY)	(2000)	(2003)	(2004)	(1993)	(1998)	(1989)	(2003)	(1989)	(2001)	(1991)	(2004)	(1999)
MIN	0.00	0.07	0.41	26.6	49.5	54.2	5.25	1.07	0.01	0.00	0.01	0.00
(WY)	(1995)	(2002)	(2002)	(2001)	(2002)	(2002)	(1995)	(1994)	(1994)	(1994)	(1993)	(1994)

0208111310 CASHIE RIVER AT SECONDARY ROAD 1257 NEAR WINDSOR, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1987 - 2005	
ANNUAL TOTAL	40,646.33		23,721.27		116	
ANNUAL MEAN	111		65.0		220	
HIGHEST ANNUAL MEAN					20.9	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	4,110	Aug 16	454	Mar 20	14,500	Sep 17, 1999
LOWEST DAILY MEAN	0.31	Jun 18	0.00	Sep 16	0.00	Jul 30, 1987
ANNUAL SEVEN-DAY MINIMUM	0.53	Jun 12	0.00	Sep 16	0.00	Oct 8, 1987
MAXIMUM PEAK FLOW			471	Mar 20	15,700*	Sep 16, 1999
MAXIMUM PEAK STAGE			6.43	Mar 20	18.52*	Sep 16, 1999
INSTANTANEOUS LOW FLOW			0.00*	Sep 16	0.00*	Jul 29, 1987
ANNUAL RUNOFF (CFSM)	1.03		0.602		1.07	
ANNUAL RUNOFF (INCHES)	14.00		8.17		14.53	
10 PERCENT EXCEEDS	187		186		276	
50 PERCENT EXCEEDS	51		37		34	
90 PERCENT EXCEEDS	4.0		1.3		0.07	

* See REMARKS.

e Estimated.



0208114150 ROANOKE RIVER AT NC 45 NEAR WESTOVER, NC

LOCATION.--Lat 35°54'54", long 76°43'22", Bertie County, Hydrologic Unit 03010107, on right bank 10 ft upstream from bridge. Water quality monitor located near center of river on south bridge fender of shipping channel, 10 ft upstream from State Highway 45 bridge, approximately 1.6 mi upstream from mouth, and 2.7 mi northwest of Westover.

DRAINAGE AREA.--9,660 mi².

ELEVATION RECORDS

PERIOD OF RECORD.--October 1990 to September 1993. August 1996 to current year. Records from August 1996 to September 1997 are unpublished and available in the USGS Water Science Center, Raleigh, NC.

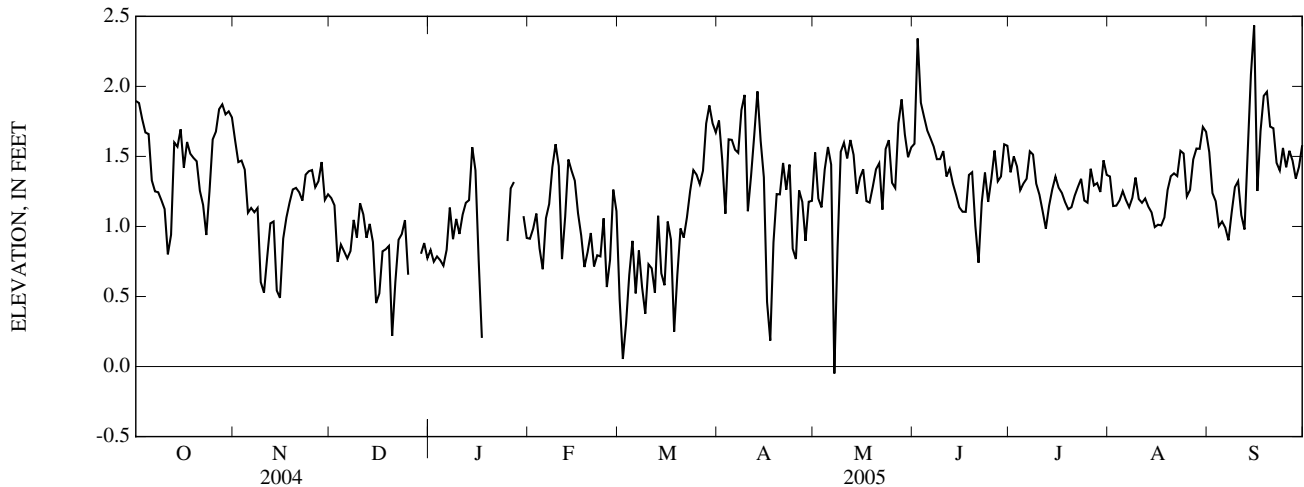
GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929. Satellite telemetry at water-quality station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 4.68 ft, Sept. 16, 1999; minimum elevation, -1.20 ft, Sept. 1, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 2.89 ft, Sept. 15; minimum elevation, -0.48, May 9.

ELEVATION, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.90	1.61	1.20	0.83	0.91	0.48	1.76	1.53	1.59	1.39	1.36	1.53
2	1.88	1.46	1.15	0.75	0.98	0.05	1.48	1.20	2.34	1.50	1.15	1.24
3	1.77	1.47	0.75	0.79	1.09	0.31	1.09	1.14	1.88	1.43	1.15	1.18
4	1.67	1.41	0.87	0.76	0.84	0.65	1.62	1.41	1.78	1.26	1.19	1.00
5	1.66	1.10	0.82	0.72	0.69	0.90	1.62	1.57	1.68	1.31	1.25	1.04
6	1.33	1.13	0.77	0.83	1.06	0.52	1.55	1.44	1.63	1.34	1.19	0.99
7	1.25	1.10	0.82	1.13	1.16	0.83	1.53	-0.05	1.57	1.54	1.14	0.90
8	1.24	1.13	1.05	0.91	1.42	0.57	1.83	0.85	1.48	1.51	1.20	1.10
9	1.19	0.60	0.92	1.05	1.59	0.38	1.94	1.53	1.48	1.31	1.35	1.28
10	1.12	0.53	1.17	0.95	1.43	0.73	1.11	1.60	1.54	1.23	1.20	1.32
11	0.80	0.78	1.09	1.08	0.77	0.70	1.36	1.49	1.36	1.11	1.17	1.08
12	0.94	1.02	0.92	1.17	1.07	0.53	1.65	1.62	1.41	0.98	1.20	0.98
13	1.60	1.04	1.02	1.19	1.48	1.08	1.96	1.51	1.30	1.15	1.14	1.54
14	1.57	0.54	0.89	1.57	1.40	0.67	1.61	1.23	1.22	1.26	1.10	2.08
15	1.69	0.49	0.45	1.40	1.33	0.58	1.35	1.35	1.14	1.36	1.00	2.43
16	1.42	0.91	0.52	0.76	1.09	1.04	0.46	1.41	1.11	1.28	1.01	1.25
17	1.60	1.06	0.82	0.20	0.94	0.91	0.19	1.18	1.10	1.24	1.01	1.68
18	1.52	1.17	0.84	---	0.71	0.25	0.89	1.17	1.37	1.17	1.06	1.93
19	1.49	1.26	0.86	---	0.82	0.66	1.23	1.28	1.39	1.12	1.26	1.96
20	1.47	1.28	0.22	---	0.95	0.99	1.23	1.41	1.00	1.14	1.36	1.71
21	1.25	1.24	0.60	---	0.71	0.92	1.45	1.45	0.74	1.22	1.38	1.70
22	1.15	1.18	0.91	---	0.79	1.07	1.26	1.12	1.17	1.28	1.36	1.45
23	0.94	1.37	0.95	---	0.79	1.25	1.44	1.55	1.38	1.34	1.54	1.40
24	1.25	1.39	1.05	---	1.06	1.40	0.84	1.62	1.18	1.19	1.52	1.56
25	1.62	1.40	0.66	0.90	0.57	1.37	0.77	1.31	1.34	1.17	1.21	1.42
26	1.68	1.28	---	1.27	0.76	1.30	1.26	1.27	1.54	1.41	1.26	1.54
27	1.84	1.32	---	1.32	1.26	1.40	1.18	1.74	1.32	1.29	1.48	1.47
28	1.87	1.46	---	---	1.11	1.74	0.90	1.91	1.36	1.31	1.56	1.34
29	1.80	1.19	0.81	---	---	1.86	1.18	1.66	1.59	1.25	1.55	1.43
30	1.82	1.23	0.88	1.07	---	1.74	1.18	1.49	1.58	1.47	1.71	1.58
31	1.78	---	0.77	0.92	---	1.67	---	1.56	---	1.37	1.68	---
TOTAL	46.11	34.15	---	---	28.78	28.55	38.92	42.55	42.57	39.93	39.74	43.11
MEAN	1.49	1.14	---	---	1.03	0.92	1.30	1.37	1.42	1.29	1.28	1.44
MAX	1.90	1.61	---	---	1.59	1.86	1.96	1.91	2.34	1.54	1.71	2.43
MIN	0.80	0.49	---	---	0.57	0.05	0.19	-0.05	0.74	0.98	1.00	0.90



0208114150 ROANOKE RIVER AT NC 45 NEAR WESTOVER, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1998 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE (TOP): May 2000 to current year.

SPECIFIC CONDUCTANCE (BOTTOM): November 1997 to current year

pH (TOP): May 2000 to current year.

pH (BOTTOM): November 1997 to current year.

WATER TEMPERATURE (TOP): May 2000 to current year.

WATER TEMPERATURE (BOTTOM): November 1997 to current year.

DISSOLVED OXYGEN (TOP): May 2000 to current year.

DISSOLVED OXYGEN (BOTTOM): November 1997 to current year.

DISSOLVED OXYGEN, PERCENT SATURATION (TOP): May 2000 to current year.

DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM): November 1997 to current year.

INSTRUMENTATION.-- Water-quality monitor with satellite telemetry from March 1998 to current year.

REMARKS.--Station operated in cooperation with North Carolina Department of Environment and Natural Resources (DENR), Division of Water Resources to define water-quality characteristics in the Roanoke River Basin below Roanoke Rapids Dam. Top constituents were monitored at approximately 18 ft above the streambed and bottom constituents, 2 ft above the streambed. Dissolved oxygen, percent saturation is computed using a barometric pressure of 760 mm Hg beginning October 1, 2000.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE (TOP), microsiemens	9,880, February 2, 2002	73, June 20, 21, 2001
SPECIFIC CONDUCTANCE (BOTTOM), microsiemens	11,700 February 2, 2002	48, September 21, 1999
pH (TOP), standard units	8.0, August 19, 2002	6.0, June 19, 21, 22, 2001
pH (BOTTOM), standard units	7.7, June 17, 2000	5.8, March 4, 1998, September 18-22, 1999
WATER TEMPERATURE (TOP), °C	32.1, July 27, 2005	2.5, January 24, 2003
WATER TEMPERATURE (BOTTOM), °C	31.0, July 30, 1998, August 2, 1999	2.5, January 24, 2003
DISSOLVED OXYGEN (TOP), mg/L	12.6, February 22, 2003	<1.0, on many days during the period
DISSOLVED OXYGEN (BOTTOM), mg/L	14.0, January 6, 7, 2001, January 11, 2002	<1.0, on many days during the period
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	115, May 11, 2003	<10, on many days during the period
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	123, September 15, 2005	< 10, on many days during the period

EXTREMES FOR CURRENT WATER YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE (TOP), microsiemens	649, September 15	104, March 9
SPECIFIC CONDUCTANCE (BOTTOM), microsiemens	697, September 15	104, March 9
pH (TOP), standard units	7.6, February 17, 23, 24	6.6, August 2, 3
pH (BOTTOM), standard units	7.6, February 23, 24, 25, March 8	6.5, December 24, 25
WATER TEMPERATURE (TOP), C	32.1, July 27	3.3, January 29, 30
WATER TEMPERATURE (BOTTOM), C	30.9, July 28	3.2, January 30
DISSOLVED OXYGEN (TOP), mg/L	11.7, February 2, 3, 4	3.4, August 3, 4
DISSOLVED OXYGEN (BOTTOM), mg/L	11.5, January 30, February 2, 3	2.9, August 5
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	113, July 6, 7	43, August 3
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	123, September 15	37, July 3, August 5

0208114150 ROANOKE RIVER AT NC 45 NEAR WESTOVER, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS, TOP WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	146	128	136	130	124	127	141	131	136	116	113	114
2	138	124	129	130	125	127	145	132	136	116	113	115
3	147	123	130	137	127	131	137	129	132	117	115	116
4	134	127	129	135	128	131	135	128	132	117	114	116
5	136	122	130	137	126	131	132	127	130	119	116	117
6	131	123	127	136	130	133	132	128	130	121	116	118
7	131	116	126	137	130	134	132	128	130	123	117	120
8	135	126	131	175	128	136	134	127	131	121	117	119
9	135	126	131	139	131	136	136	129	132	126	117	120
10	135	126	131	144	136	139	134	125	129	124	119	120
11	136	127	131	146	134	141	134	122	127	124	119	121
12	138	128	132	149	135	142	131	123	127	126	119	122
13	141	128	134	149	133	141	130	123	126	126	120	122
14	140	124	128	147	135	140	127	119	122	139	121	126
15	132	124	129	147	137	141	123	118	120	126	118	121
16	133	121	125	149	139	145	125	119	121	122	117	120
17	138	120	127	147	134	142	126	121	123	127	117	120
18	130	121	126	143	131	136	125	120	122	121	114	117
19	129	123	126	139	129	135	123	119	122	121	116	118
20	133	126	129	141	130	135	127	116	118	126	115	120
21	138	131	134	142	131	135	124	118	120	122	117	120
22	136	131	134	142	131	136	124	119	120	122	117	119
23	137	127	132	150	134	139	121	118	120	121	113	116
24	135	129	132	150	133	138	129	114	117	119	113	116
25	140	126	134	161	132	141	116	114	115	122	116	119
26	131	123	126	146	132	138	115	111	113	121	117	119
27	131	124	127	143	134	138	113	110	111	124	115	117
28	130	123	126	143	130	136	115	111	113	117	114	115
29	128	121	124	140	131	136	116	113	114	117	113	114
30	128	121	125	140	134	137	115	113	114	116	113	114
31	129	123	126	---	---	---	115	113	114	114	111	112
MONTH	147	116	129	175	124	137	145	110	123	139	111	118
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	115	111	113	205	135	151	137	118	122	165	135	146
2	116	112	114	225	136	154	137	111	118	149	138	143
3	117	113	115	171	145	155	116	110	113	156	140	145
4	117	113	115	165	145	157	163	112	117	173	129	148
5	122	113	117	168	134	146	120	115	117	183	132	159
6	124	115	120	145	132	137	118	113	116	234	124	146
7	132	118	123	148	134	142	118	111	115	138	123	129
8	134	124	128	154	105	136	121	114	118	140	132	136
9	134	123	128	124	104	106	127	113	117	149	128	142
10	136	123	128	146	122	133	117	109	112	166	129	141
11	131	118	124	144	133	137	142	114	117	155	124	134
12	135	125	130	156	127	136	137	113	118	138	111	129
13	143	127	134	145	127	136	120	112	115	210	121	131
14	143	126	131	143	126	132	113	109	111	131	124	128
15	137	129	133	145	130	136	121	108	113	135	128	132
16	138	130	134	154	131	140	118	110	114	143	126	134
17	192	129	144	146	123	133	123	115	118	143	131	136
18	157	140	147	133	125	129	127	123	124	144	128	136
19	165	140	147	136	130	133	132	125	128	147	131	140
20	179	141	152	133	127	131	132	126	129	150	136	144
21	155	138	144	132	118	125	134	115	130	196	141	154
22	155	144	148	127	118	121	185	126	133	150	141	145
23	160	127	143	124	116	119	143	128	135	151	142	147
24	186	112	143	123	113	117	145	130	135	211	131	149
25	163	130	145	120	114	116	135	122	128	247	132	146
26	157	143	149	120	111	114	133	123	127	155	135	145
27	175	144	155	120	112	116	128	112	123	192	137	152
28	184	123	150	126	115	119	129	112	120	162	139	147
29	---	---	---	126	115	120	139	112	126	188	128	138
30	---	---	---	123	118	120	150	137	141	138	126	133
31	---	---	---	125	118	121	---	---	---	156	123	136
MONTH	192	111	134	225	104	131	185	108	122	247	111	141

0208114150 ROANOKE RIVER AT NC 45 NEAR WESTOVER, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	149	128	138	130	124	127	141	131	136	116	114	115
2	140	124	129	131	125	128	144	131	136	117	114	115
3	149	123	131	137	128	132	136	128	132	118	115	117
4	135	123	129	134	125	130	135	127	131	118	115	116
5	137	124	131	137	127	131	132	127	129	119	116	117
6	134	122	128	138	130	134	131	127	129	121	117	119
7	133	114	127	138	131	134	131	126	128	124	119	120
8	136	126	131	180	129	137	134	126	130	122	118	120
9	135	126	130	139	128	137	134	129	131	126	119	121
10	134	126	131	143	135	139	132	125	128	124	120	121
11	137	127	131	146	135	141	134	122	127	124	120	122
12	137	127	132	151	136	143	130	123	127	126	119	122
13	143	128	134	148	134	140	130	123	126	126	120	122
14	140	124	127	146	137	140	127	119	122	137	121	125
15	132	123	128	148	138	141	123	118	120	126	119	121
16	133	121	125	150	139	146	125	119	121	123	118	120
17	138	119	126	147	136	142	126	121	123	127	118	120
18	129	121	125	145	131	138	125	120	122	121	114	117
19	128	123	125	141	130	136	123	119	122	122	117	119
20	133	125	129	141	128	135	127	116	118	126	116	120
21	137	130	134	144	130	135	124	119	120	124	118	121
22	136	131	133	144	129	136	124	119	121	122	118	120
23	136	127	132	152	132	140	121	119	120	121	113	116
24	134	128	131	152	132	139	130	115	118	119	114	117
25	139	125	133	160	132	141	117	115	116	124	117	120
26	130	123	126	146	133	138	116	111	114	123	118	121
27	131	123	126	143	134	137	113	111	112	125	116	119
28	130	122	125	142	130	136	115	112	114	118	116	117
29	127	121	123	139	130	135	116	113	114	118	114	116
30	128	121	125	139	133	136	116	114	115	118	114	116
31	130	123	126	---	---	---	116	114	115	116	112	114
MONTH	149	114	129	180	124	137	144	111	123	137	112	119
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	116	113	114	202	131	148	138	117	121	164	136	148
2	118	114	116	224	132	150	137	110	117	150	138	144
3	118	115	117	165	141	151	115	109	111	156	142	147
4	118	114	116	161	141	153	166	111	116	177	124	149
5	124	114	118	166	132	144	118	113	116	186	135	162
6	126	116	121	142	129	135	116	113	114	238	126	148
7	133	120	124	145	132	140	120	113	116	140	125	130
8	135	125	130	151	105	134	123	118	121	142	134	137
9	135	124	129	124	104	107	130	117	121	152	139	144
10	137	124	130	144	122	132	120	112	116	173	129	143
11	132	119	125	143	132	136	145	118	121	158	126	136
12	136	126	131	157	127	136	141	116	121	141	112	129
13	144	129	135	146	128	136	123	115	118	221	117	130
14	145	127	132	144	127	133	117	112	114	130	122	126
15	138	130	134	144	130	136	123	111	116	134	126	130
16	139	131	135	151	130	139	120	113	117	143	126	132
17	207	129	148	144	121	131	125	117	120	142	128	134
18	159	141	149	131	125	128	129	124	126	145	127	134
19	165	141	149	134	128	131	133	127	130	146	129	139
20	179	143	153	131	124	128	133	128	131	148	134	142
21	156	140	145	130	116	122	136	121	132	195	138	151
22	156	144	150	125	115	119	191	128	135	149	139	144
23	160	133	143	121	113	116	145	131	137	150	142	146
24	184	116	148	120	111	115	147	132	137	219	128	148
25	161	133	145	117	111	113	139	123	131	251	131	145
26	153	138	145	116	109	112	134	125	128	154	134	144
27	167	140	150	118	110	113	131	114	125	190	134	156
28	180	130	149	123	112	116	132	114	123	161	134	145
29	---	---	---	125	114	118	140	114	128	191	127	137
30	---	---	---	122	116	118	153	138	143	137	125	131
31	---	---	---	124	117	120	---	---	---	154	126	134
MONTH	207	113	135	224	104	129	191	109	123	251	112	141

0208114150 ROANOKE RIVER AT NC 45 NEAR WESTOVER, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	7.0	6.8	6.9	6.9	6.8	6.8	7.0	6.9	7.0	7.1	6.9	6.9
2	6.9	6.9	6.9	6.8	6.8	6.8	7.0	6.9	7.0	6.9	6.8	6.8
3	7.0	6.9	7.0	6.8	6.8	6.8	7.0	6.9	7.0	6.8	6.8	6.8
4	7.0	6.9	7.0	6.8	6.8	6.8	7.1	7.0	7.0	6.9	6.7	6.8
5	7.0	7.0	7.0	6.8	6.8	6.8	7.0	7.0	7.0	6.8	6.7	6.8
6	7.0	7.0	7.0	6.9	6.8	6.8	7.0	7.0	7.0	6.9	6.8	6.8
7	7.0	7.0	7.0	6.9	6.9	6.9	7.0	6.8	6.9	6.8	6.8	6.8
8	7.0	7.0	7.0	7.0	6.9	6.9	6.8	6.8	6.8	7.1	6.7	6.8
9	7.0	7.0	7.0	6.9	6.8	6.9	6.8	6.7	6.8	6.9	6.8	6.8
10	7.0	7.0	7.0	6.9	6.8	6.9	6.9	6.7	6.8	6.8	6.8	6.8
11	7.0	7.0	7.0	6.9	6.8	6.8	6.9	6.9	6.9	6.9	6.8	6.8
12	7.0	7.0	7.0	6.9	6.8	6.9	7.0	6.9	7.0	6.9	6.8	6.8
13	7.1	7.0	7.0	7.0	6.9	6.9	7.0	7.0	7.0	6.9	6.8	6.8
14	7.1	6.9	7.0	7.0	6.9	6.9	7.0	6.9	6.9	6.9	6.8	6.9
15	7.0	6.9	6.9	7.0	6.9	6.9	7.0	6.9	6.9	6.8	6.8	6.8
16	7.0	6.9	6.9	6.9	6.9	6.9	7.0	7.0	7.0	6.8	6.8	6.8
17	7.0	6.9	6.9	6.9	6.9	6.9	7.2	7.0	7.0	6.9	6.7	6.9
18	7.0	6.9	6.9	6.9	6.9	6.9	7.0	6.9	7.0	6.9	6.8	6.9
19	7.0	6.9	7.0	7.0	6.9	7.0	6.9	6.9	6.9	6.9	6.8	6.9
20	7.0	6.9	7.0	7.0	7.0	7.0	7.0	6.9	6.9	7.0	6.8	6.9
21	7.0	6.9	6.9	7.0	7.0	7.0	7.0	6.8	6.9	7.1	6.9	7.0
22	7.0	6.9	7.0	7.0	7.0	7.0	7.0	6.9	6.9	7.2	7.1	7.1
23	7.0	6.9	7.0	7.0	6.9	6.9	6.9	6.8	6.9	7.2	7.1	7.1
24	7.0	6.9	6.9	6.9	6.8	6.9	6.9	6.8	6.9	7.2	7.1	7.2
25	7.0	6.9	6.9	6.9	6.8	6.9	6.9	6.8	6.8	7.3	7.1	7.2
26	6.9	6.9	6.9	7.0	6.9	7.0	7.0	6.8	6.9	7.3	7.3	7.3
27	6.9	6.9	6.9	7.0	6.9	7.0	6.9	6.8	6.9	7.3	7.3	7.3
28	6.9	6.9	6.9	7.0	6.9	7.0	7.0	6.8	6.9	7.3	7.2	7.3
29	6.9	6.8	6.8	7.0	6.9	7.0	6.9	6.9	6.9	7.2	7.2	7.2
30	6.9	6.8	6.9	7.0	6.9	6.9	6.9	6.7	6.9	7.3	7.2	7.2
31	6.9	6.8	6.9	---	---	---	6.9	6.8	6.9	7.2	7.2	7.2
MONTH	7.1	6.8	6.9	7.0	6.8	6.9	7.2	6.7	6.9	7.3	6.7	7.0
	FEBRUARY			MARCH			APRIL			MAY		
1	7.3	7.2	7.3	7.5	7.3	7.4	7.0	6.9	7.0	7.1	7.1	7.1
2	7.3	7.3	7.3	7.5	7.3	7.3	7.0	6.9	6.9	7.1	7.0	7.1
3	7.3	7.3	7.3	7.4	7.3	7.4	7.0	6.9	6.9	7.1	7.0	7.1
4	7.3	7.3	7.3	7.4	7.3	7.4	7.0	6.9	6.9	7.2	7.0	7.0
5	7.3	7.2	7.3	7.4	7.3	7.4	6.9	6.8	6.9	7.2	7.0	7.1
6	7.2	7.2	7.2	7.4	7.3	7.4	6.9	6.8	6.8	7.2	7.0	7.1
7	7.2	7.2	7.2	7.4	7.4	7.4	7.1	6.8	7.0	7.0	6.8	6.9
8	7.3	7.2	7.2	7.5	7.3	7.4	7.2	7.0	7.1	6.9	6.8	6.8
9	7.3	7.3	7.3	7.4	7.3	7.3	7.1	7.0	7.1	6.9	6.8	6.9
10	7.3	7.3	7.3	7.4	7.4	7.4	7.0	7.0	7.0	6.9	6.8	6.9
11	7.3	7.3	7.3	7.5	7.4	7.4	7.1	7.0	7.1	6.9	6.8	6.8
12	7.3	7.3	7.3	7.4	7.2	7.3	7.1	7.0	7.1	7.0	6.8	6.9
13	7.4	7.3	7.4	7.3	7.2	7.2	7.1	7.0	7.0	7.1	6.9	7.0
14	7.5	7.4	7.4	7.3	7.2	7.3	7.0	6.9	7.0	7.0	6.9	7.0
15	7.5	7.4	7.5	7.4	7.2	7.3	7.3	7.0	7.1	7.0	6.9	7.0
16	7.5	7.4	7.5	7.4	7.4	7.4	7.1	7.1	7.1	7.1	6.9	7.0
17	7.6	7.4	7.5	7.4	7.3	7.4	7.1	7.0	7.0	7.0	6.9	7.0
18	7.4	7.4	7.4	7.4	7.3	7.3	7.0	7.0	7.0	7.0	6.9	6.9
19	7.4	7.4	7.4	7.3	7.3	7.3	7.0	7.0	7.0	7.0	6.9	7.0
20	7.5	7.4	7.5	7.3	7.3	7.3	7.0	7.0	7.0	7.1	7.0	7.0
21	7.5	7.5	7.5	7.3	7.2	7.2	7.0	6.9	7.0	7.1	7.0	7.0
22	7.5	7.5	7.5	7.3	7.2	7.2	7.1	6.9	7.0	7.0	7.0	7.0
23	7.6	7.5	7.5	7.3	7.2	7.2	7.0	6.9	7.0	7.1	7.0	7.0
24	7.6	7.5	7.6	7.2	7.1	7.1	7.0	6.9	7.0	7.2	7.0	7.0
25	7.5	7.4	7.5	7.1	7.0	7.1	7.0	6.9	7.0	7.2	7.0	7.0
26	7.4	7.4	7.4	7.0	7.0	7.0	7.0	7.0	7.0	7.2	7.0	7.0
27	7.5	7.4	7.4	7.0	6.9	7.0	7.0	7.0	7.0	7.2	7.0	7.1
28	7.5	7.3	7.4	7.0	6.9	7.0	7.0	7.0	7.0	7.1	7.0	7.1
29	---	---	---	7.0	6.9	7.0	7.0	7.0	7.0	7.2	7.0	7.0
30	---	---	---	7.0	6.9	6.9	7.2	7.0	7.1	7.0	7.0	7.0
31	---	---	---	7.0	6.9	7.0	---	---	---	7.1	6.9	7.0
MONTH	7.6	7.2	7.4	7.5	6.9	7.2	7.3	6.8	7.0	7.2	6.8	7.0

0208114150 ROANOKE RIVER AT NC 45 NEAR WESTOVER, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.9	6.8	6.8	6.9	6.9	6.9	7.0	6.9	7.0	6.6	6.6	6.6
2	6.9	6.9	6.9	6.9	6.8	6.8	7.0	7.0	7.0	6.6	6.6	6.6
3	7.0	6.9	7.0	6.8	6.8	6.8	7.0	7.0	7.0	6.7	6.6	6.6
4	7.0	6.9	7.0	6.8	6.7	6.8	7.0	7.0	7.0	6.7	6.7	6.7
5	7.0	7.0	7.0	6.9	6.8	6.8	7.0	6.9	7.0	6.7	6.6	6.6
6	7.0	7.0	7.0	6.9	6.8	6.9	6.9	6.9	6.9	6.7	6.7	6.7
7	7.1	7.0	7.0	6.9	6.9	6.9	6.9	6.8	6.8	6.7	6.6	6.7
8	7.0	7.0	7.0	7.0	6.9	6.9	6.8	6.8	6.8	6.7	6.6	6.7
9	7.0	7.0	7.0	6.9	6.8	6.9	6.8	6.8	6.8	6.7	6.7	6.7
10	7.0	7.0	7.0	6.9	6.8	6.8	6.8	6.6	6.7	6.7	6.6	6.7
11	7.1	7.0	7.0	6.8	6.8	6.8	6.6	6.6	6.6	6.7	6.6	6.7
12	7.1	7.0	7.1	6.9	6.8	6.9	6.6	6.6	6.6	6.7	6.6	6.7
13	7.1	7.1	7.1	7.0	6.9	7.0	6.6	6.6	6.6	6.8	6.7	6.7
14	7.1	7.0	7.0	7.0	6.9	6.9	6.6	6.6	6.6	6.8	6.8	6.8
15	7.0	7.0	7.0	7.0	6.9	6.9	6.7	6.6	6.7	6.8	6.7	6.7
16	7.0	6.9	7.0	6.9	6.9	6.9	6.7	6.7	6.7	6.8	6.7	6.7
17	7.0	6.9	7.0	6.9	6.9	6.9	6.7	6.7	6.7	6.8	6.8	6.8
18	7.0	7.0	7.0	6.9	6.9	6.9	6.7	6.6	6.7	6.8	6.8	6.8
19	7.0	7.0	7.0	7.0	6.9	7.0	6.6	6.6	6.6	6.8	6.8	6.8
20	7.0	7.0	7.0	7.0	7.0	7.0	6.6	6.6	6.6	6.8	6.8	6.8
21	7.0	7.0	7.0	7.0	7.0	7.0	6.6	6.6	6.6	7.0	6.8	6.9
22	7.0	7.0	7.0	7.0	7.0	7.0	6.6	6.6	6.6	7.0	7.0	7.0
23	7.0	7.0	7.0	7.0	6.8	6.8	6.6	6.6	6.6	7.1	7.0	7.1
24	7.0	7.0	7.0	6.9	6.8	6.8	6.6	6.5	6.6	7.2	7.1	7.1
25	7.0	7.0	7.0	6.9	6.8	6.9	6.6	6.5	6.6	7.3	7.1	7.2
26	7.0	7.0	7.0	7.0	6.9	7.0	6.7	6.6	6.6	7.3	7.2	7.3
27	7.0	7.0	7.0	7.0	6.9	7.0	6.7	6.6	6.7	7.3	7.2	7.3
28	7.0	6.9	7.0	7.0	7.0	7.0	6.7	6.7	6.7	7.3	7.2	7.2
29	6.9	6.9	6.9	7.0	6.9	7.0	6.7	6.7	6.7	7.2	7.2	7.2
30	6.9	6.9	6.9	7.0	6.9	6.9	6.7	6.6	6.7	7.2	7.2	7.2
31	6.9	6.9	6.9	---	---	---	6.6	6.6	6.6	7.3	7.2	7.3
MONTH	7.1	6.8	7.0	7.0	6.7	6.9	7.0	6.5	6.7	7.3	6.6	6.9
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.3	7.3	7.3	7.5	7.3	7.4	7.0	6.9	6.9	7.1	7.0	7.1
2	7.3	7.2	7.3	7.5	7.3	7.4	7.0	6.9	6.9	7.1	7.0	7.0
3	7.3	7.3	7.3	7.4	7.3	7.4	6.9	6.9	6.9	7.1	7.0	7.0
4	7.3	7.3	7.3	7.4	7.3	7.4	7.0	6.9	6.9	7.1	7.0	7.0
5	7.3	7.2	7.2	7.4	7.4	7.4	6.9	6.8	6.9	7.1	7.0	7.1
6	7.2	7.2	7.2	7.5	7.4	7.4	6.9	6.8	6.8	7.2	6.9	7.1
7	7.2	7.2	7.2	7.5	7.5	7.5	7.1	6.8	7.0	7.0	6.8	6.8
8	7.3	7.2	7.2	7.6	7.4	7.5	7.2	7.0	7.1	6.8	6.8	6.8
9	7.3	7.3	7.3	7.4	7.3	7.4	7.1	7.0	7.1	6.9	6.8	6.8
10	7.3	7.3	7.3	7.4	7.4	7.4	7.1	7.0	7.0	7.0	6.8	6.9
11	7.4	7.3	7.3	7.4	7.4	7.4	7.2	7.1	7.1	6.9	6.8	6.8
12	7.4	7.4	7.4	7.4	7.3	7.4	7.2	7.1	7.1	6.8	6.7	6.8
13	7.4	7.4	7.4	7.4	7.3	7.3	7.1	6.9	7.0	7.0	6.8	6.8
14	7.5	7.4	7.4	7.4	7.3	7.4	6.9	6.8	6.9	6.8	6.8	6.8
15	7.4	7.4	7.4	7.3	7.3	7.3	7.0	6.9	7.0	6.8	6.8	6.8
16	7.4	7.4	7.4	7.4	7.3	7.3	7.0	7.0	7.0	6.8	6.8	6.8
17	7.5	7.4	7.4	7.4	7.3	7.3	7.0	7.0	7.0	6.8	6.8	6.8
18	7.4	7.3	7.4	7.3	7.2	7.2	7.0	7.0	7.0	6.8	6.8	6.8
19	7.4	7.4	7.4	7.3	7.2	7.2	7.0	7.0	7.0	6.8	6.8	6.8
20	7.5	7.4	7.4	7.3	7.2	7.3	7.0	7.0	7.0	6.9	6.8	6.9
21	7.5	7.4	7.5	7.2	7.2	7.2	7.1	7.0	7.0	6.9	6.8	6.9
22	7.5	7.5	7.5	7.3	7.2	7.3	7.2	7.0	7.0	6.9	6.8	6.8
23	7.6	7.5	7.6	7.3	7.2	7.3	7.1	7.0	7.0	6.9	6.8	6.9
24	7.6	7.6	7.6	7.2	7.1	7.1	7.1	6.9	7.0	7.0	6.8	6.9
25	7.6	7.4	7.5	7.1	7.0	7.1	7.0	6.9	6.9	7.1	6.8	6.9
26	7.4	7.3	7.4	7.0	7.0	7.0	7.0	6.9	7.0	6.9	6.8	6.9
27	7.4	7.3	7.3	7.0	6.9	7.0	7.0	6.9	7.0	7.0	6.8	6.9
28	7.5	7.4	7.4	7.0	6.9	7.0	7.0	6.9	7.0	7.0	6.8	6.9
29	---	---	---	7.0	6.9	7.0	7.0	6.9	7.0	7.0	6.8	6.9
30	---	---	---	7.0	6.9	6.9	7.1	7.0	7.0	6.9	6.8	6.8
31	---	---	---	7.0	6.9	6.9	---	---	---	7.0	6.8	6.8
MONTH	7.6	7.2	7.4	7.6	6.9	7.3	7.2	6.8	7.0	7.2	6.7	6.9

ROANOKE RIVER BASIN

0208114150 ROANOKE RIVER AT NC 45 NEAR WESTOVER, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.9	6.8	6.8	6.9	6.7	6.8	7.1	6.9	7.0	7.1	6.8	7.0
2	7.1	6.8	6.9	6.8	6.7	6.8	6.9	6.8	6.8	7.1	6.9	7.0
3	6.9	6.8	6.8	6.8	6.7	6.8	6.8	6.8	6.8	7.1	6.9	7.0
4	6.8	6.7	6.7	6.8	6.8	6.8	6.8	6.8	6.8	7.1	7.0	7.0
5	6.8	6.7	6.8	7.0	6.8	6.8	6.9	6.7	6.8	7.2	6.9	7.0
6	6.8	6.8	6.8	6.9	6.8	6.9	7.0	6.8	6.9	7.2	7.0	7.1
7	6.8	6.8	6.8	6.9	6.8	6.8	7.0	6.8	6.9	7.1	7.0	7.1
8	6.8	6.8	6.8	7.0	6.8	6.9	7.0	6.9	6.9	7.1	7.0	7.0
9	6.9	6.8	6.8	7.0	6.8	6.9	7.0	6.9	7.0	7.1	7.0	7.0
10	6.9	6.8	6.8	7.0	6.8	6.9	7.0	6.8	6.9	7.2	7.0	7.1
11	6.9	6.8	6.8	7.0	6.8	6.9	6.9	6.8	6.9	7.2	7.0	7.1
12	6.9	6.8	6.9	6.9	6.8	6.9	6.9	6.8	6.9	7.1	7.0	7.1
13	6.9	6.8	6.9	7.0	6.9	6.9	7.0	6.8	6.9	7.2	7.0	7.0
14	6.9	6.8	6.9	7.0	6.9	6.9	7.0	6.9	6.9	7.2	7.1	7.1
15	6.9	6.8	6.9	7.0	7.0	7.0	7.1	6.9	7.0	7.2	7.0	7.2
16	7.1	6.8	7.0	7.0	7.0	7.0	7.1	7.0	7.0	7.0	6.7	6.8
17	7.1	7.0	7.0	7.0	7.0	7.0	7.1	7.0	7.0	6.7	6.6	6.7
18	7.1	7.0	7.0	7.0	7.0	7.0	7.1	7.0	7.0	6.8	6.6	6.7
19	7.2	7.0	7.0	7.0	7.0	7.0	7.1	7.0	7.0	6.8	6.7	6.8
20	7.2	7.1	7.2	7.1	7.0	7.1	7.1	7.0	7.0	6.8	6.7	6.8
21	7.2	7.0	7.1	7.1	7.0	7.1	7.1	6.9	7.0	6.9	6.7	6.8
22	7.1	7.0	7.1	7.1	7.1	7.1	7.0	6.9	7.0	6.9	6.7	6.8
23	7.1	7.0	7.0	7.1	7.0	7.1	7.0	7.0	7.0	6.8	6.7	6.8
24	7.1	7.0	7.0	7.1	7.0	7.0	7.1	6.9	7.0	7.0	6.8	6.8
25	7.1	7.0	7.1	7.0	6.9	7.0	7.1	7.0	7.0	7.0	6.8	6.9
26	7.2	7.0	7.1	7.0	6.9	7.0	7.1	6.9	7.0	7.0	6.8	6.9
27	7.2	7.0	7.0	6.9	6.8	6.9	7.1	6.9	7.0	---	---	---
28	7.1	7.0	7.0	7.0	6.8	6.9	7.1	7.0	7.0	6.8	6.7	6.8
29	7.1	6.9	7.0	7.1	6.9	7.0	7.0	6.9	7.0	6.8	6.7	6.8
30	7.0	6.8	6.9	7.1	7.1	7.1	7.0	6.9	7.0	7.1	6.8	6.9
31	---	---	---	7.1	7.0	7.0	7.1	6.8	7.0	---	---	---
MONTH	7.2	6.7	6.9	7.1	6.7	6.9	7.1	6.7	6.9	---	---	---

0208114150 ROANOKE RIVER AT NC 45 NEAR WESTOVER, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.7	23.8	24.0	19.1	18.5	18.7	13.0	12.7	12.9	6.7	5.9	6.3
2	24.3	23.8	24.0	19.3	18.4	18.9	12.8	12.6	12.7	7.3	6.6	7.0
3	24.2	23.9	24.0	19.1	18.8	19.0	12.6	12.0	12.2	8.0	7.3	7.7
4	24.2	23.5	23.8	19.0	18.7	18.8	12.2	11.7	12.0	8.9	8.0	8.5
5	23.8	23.3	23.6	18.7	18.2	18.4	12.1	11.8	11.9	9.8	8.9	9.5
6	23.3	22.4	22.7	18.2	17.5	17.8	11.9	11.8	11.8	10.5	9.8	10.2
7	22.5	21.8	22.1	17.6	17.2	17.3	12.4	11.8	12.0	10.9	10.5	10.7
8	22.0	21.4	21.7	17.2	16.3	16.8	12.8	12.2	12.5	10.9	10.6	10.8
9	22.0	21.4	21.7	16.3	15.5	15.8	12.9	12.5	12.7	10.9	10.6	10.8
10	22.2	21.3	21.7	15.6	15.0	15.3	13.5	12.9	13.2	10.6	10.1	10.3
11	21.7	21.2	21.4	15.1	14.6	14.9	13.4	13.1	13.2	10.2	10.0	10.1
12	21.6	20.8	21.1	15.2	14.8	15.0	13.1	12.3	12.7	10.4	9.9	10.2
13	21.0	20.7	20.8	15.2	14.2	14.8	12.4	12.0	12.2	11.3	10.3	10.8
14	21.0	20.5	20.8	14.2	13.7	13.9	12.0	11.0	11.6	12.1	11.3	11.8
15	20.5	20.0	20.3	14.0	13.2	13.7	11.0	9.8	10.3	11.9	10.4	11.2
16	20.1	19.2	19.6	13.7	13.2	13.4	9.8	9.2	9.4	10.4	9.2	9.7
17	19.4	19.1	19.3	13.4	12.9	13.1	9.2	8.5	8.8	9.2	8.1	8.8
18	19.2	18.6	18.9	13.0	12.6	12.8	8.5	8.3	8.4	8.1	6.9	7.5
19	19.7	18.8	19.2	13.1	12.4	12.7	8.5	8.2	8.4	6.9	6.0	6.4
20	19.7	19.5	19.6	13.7	13.0	13.4	8.3	6.9	7.6	6.2	5.8	6.0
21	19.5	19.1	19.3	14.3	13.6	13.9	6.9	6.2	6.4	6.1	5.5	5.9
22	19.1	18.8	19.0	14.6	14.1	14.3	6.8	6.1	6.5	5.5	5.2	5.2
23	18.8	18.2	18.5	14.6	14.2	14.4	7.9	6.8	7.3	5.3	4.3	4.8
24	18.2	17.5	17.8	15.3	14.5	14.8	8.1	7.8	8.0	4.7	3.9	4.3
25	17.5	17.1	17.3	15.9	15.2	15.5	7.8	6.6	7.2	5.1	4.6	4.8
26	17.3	16.7	16.9	15.2	14.4	14.6	6.6	5.0	6.0	5.0	4.7	4.8
27	17.2	16.6	16.9	14.4	14.0	14.2	5.0	4.1	4.4	5.0	4.6	4.8
28	17.3	16.8	17.0	14.7	14.2	14.4	4.2	4.0	4.1	4.7	3.6	4.2
29	17.1	16.7	16.9	14.3	13.6	13.8	4.3	3.9	4.1	3.6	3.3	3.4
30	18.0	16.9	17.4	13.6	12.8	13.1	5.1	4.3	4.7	3.8	3.3	3.6
31	18.8	17.7	18.2	---	---	---	5.9	5.1	5.5	4.2	3.7	4.0
MONTH	24.7	16.6	20.2	19.3	12.4	15.2	13.5	3.9	9.4	12.1	3.3	7.6
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.2	4.0	4.1	8.0	7.2	7.6	14.6	13.3	13.9	17.4	16.8	17.0
2	4.4	3.9	4.1	7.5	6.8	7.1	14.6	13.6	14.1	17.8	16.8	17.3
3	4.4	4.1	4.3	7.4	6.7	7.1	14.0	13.5	13.7	17.6	16.7	17.2
4	4.4	4.2	4.3	7.7	7.0	7.3	14.0	13.0	13.5	18.1	16.9	17.4
5	5.0	4.3	4.6	7.4	7.0	7.2	15.2	13.4	14.2	17.5	16.9	17.3
6	5.4	4.7	5.1	7.5	7.0	7.2	16.0	14.4	15.2	17.2	15.6	16.3
7	5.8	5.2	5.5	8.0	7.3	7.6	16.6	15.3	16.1	16.3	15.2	15.6
8	6.5	5.8	6.1	8.3	7.6	8.0	17.2	16.4	16.8	17.3	15.9	16.5
9	7.1	6.5	6.7	7.8	7.3	7.6	17.2	16.3	16.8	17.6	16.6	16.9
10	7.8	7.1	7.4	8.1	7.4	7.8	16.3	15.5	15.9	18.5	16.8	17.4
11	7.5	7.2	7.3	8.9	8.1	8.3	16.3	15.5	16.0	18.6	17.3	18.0
12	7.4	7.0	7.1	8.7	8.1	8.4	16.2	15.0	15.7	20.0	18.5	19.2
13	7.8	7.1	7.4	9.1	8.4	8.7	15.0	13.4	14.3	19.8	19.1	19.4
14	7.6	7.3	7.5	9.1	8.6	8.8	13.4	12.7	12.9	20.1	18.9	19.5
15	8.1	7.4	7.7	9.2	8.4	8.7	13.3	12.7	13.0	20.8	19.6	20.1
16	8.8	7.7	8.2	9.0	8.1	8.7	12.8	12.6	12.7	21.4	20.2	20.6
17	8.9	8.3	8.6	8.3	7.6	8.0	13.8	12.6	13.2	21.5	20.2	20.6
18	8.8	8.2	8.5	8.2	7.4	7.8	15.0	13.3	14.2	21.8	20.0	20.5
19	8.5	7.9	8.2	8.6	8.1	8.3	16.0	14.2	15.0	21.1	20.5	20.9
20	8.3	7.9	8.1	9.2	8.5	8.7	17.1	15.3	16.2	21.7	21.0	21.3
21	8.4	7.9	8.0	9.5	8.7	9.0	17.8	16.5	17.1	21.6	20.7	21.2
22	8.3	7.9	8.1	9.8	9.2	9.5	18.3	17.2	17.7	21.6	20.5	21.0
23	9.0	7.8	8.2	10.4	9.5	9.9	18.5	18.1	18.3	21.7	20.8	21.1
24	8.6	8.0	8.2	11.1	10.4	10.7	18.4	17.4	17.9	21.6	21.0	21.3
25	8.0	7.6	7.8	11.1	10.7	10.8	17.5	16.5	17.1	21.0	19.9	20.4
26	8.4	7.5	7.8	11.6	10.8	11.2	17.2	16.2	16.7	21.8	19.8	20.2
27	8.0	7.8	7.9	11.7	11.3	11.5	17.0	16.2	16.5	22.4	20.6	21.3
28	8.1	7.5	7.8	12.2	11.4	11.8	17.5	16.4	16.9	22.4	21.3	21.8
29	---	---	---	12.9	11.8	12.3	17.0	16.4	16.7	22.6	21.8	22.2
30	---	---	---	13.6	12.2	12.9	17.2	16.4	16.8	22.3	22.0	22.1
31	---	---	---	14.1	12.9	13.4	---	---	---	23.3	21.9	22.3
MONTH	9.0	3.9	7.0	14.1	6.7	9.1	18.5	12.6	15.5	23.3	15.2	19.5

0208114150 ROANOKE RIVER AT NC 45 NEAR WESTOVER, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.0	23.8	23.9	18.9	18.4	18.7	13.0	12.7	12.9	6.8	6.0	6.4
2	24.1	23.7	23.9	19.1	18.4	18.8	12.8	12.5	12.7	7.5	6.8	7.1
3	24.2	23.8	24.0	19.0	18.8	18.9	12.6	12.0	12.3	8.1	7.4	7.9
4	24.0	23.5	23.8	19.0	18.6	18.8	12.2	11.7	12.0	9.0	8.1	8.6
5	23.8	23.3	23.5	18.8	18.2	18.4	12.1	11.9	12.0	9.9	9.0	9.6
6	23.3	22.4	22.7	18.2	17.5	17.7	11.9	11.8	11.9	10.6	9.9	10.3
7	22.5	21.6	22.0	17.5	17.0	17.3	12.2	11.8	12.0	11.0	10.6	10.8
8	21.9	21.2	21.6	17.3	16.4	16.8	12.9	12.2	12.5	11.0	10.7	10.9
9	21.8	21.4	21.6	16.4	15.4	15.8	12.9	12.5	12.7	10.9	10.7	10.9
10	21.9	21.3	21.6	15.5	14.9	15.2	13.5	12.9	13.2	10.7	10.3	10.5
11	21.6	20.9	21.3	15.2	14.5	14.8	13.5	13.2	13.3	10.3	10.1	10.2
12	21.3	20.6	20.9	15.2	14.8	15.0	13.2	12.4	12.8	10.5	10.0	10.3
13	21.0	20.6	20.8	15.2	14.1	14.8	12.4	12.1	12.3	11.4	10.4	10.9
14	21.0	20.4	20.7	14.2	13.5	13.9	12.1	11.1	11.7	12.2	11.4	11.9
15	20.5	20.0	20.2	14.0	13.1	13.6	11.1	9.9	10.4	12.0	10.5	11.4
16	20.1	19.0	19.5	13.8	13.2	13.5	9.9	9.3	9.6	10.5	9.4	9.8
17	19.4	18.9	19.2	13.4	12.8	13.1	9.3	8.6	8.9	9.4	8.3	9.0
18	19.1	18.5	18.9	13.1	12.7	12.8	8.6	8.4	8.5	8.3	7.0	7.7
19	19.6	18.8	19.2	13.1	12.5	12.8	8.6	8.3	8.5	7.0	6.2	6.5
20	19.7	19.5	19.6	13.6	13.1	13.4	8.4	7.0	7.7	6.3	5.9	6.1
21	19.5	19.1	19.3	14.2	13.6	13.9	7.0	6.4	6.6	6.2	5.7	6.0
22	19.1	18.7	18.9	14.6	14.1	14.3	6.9	6.2	6.6	5.7	5.3	5.4
23	18.7	18.2	18.4	14.7	14.3	14.5	8.0	6.9	7.4	5.4	4.5	4.9
24	18.2	17.5	17.8	15.3	14.5	14.9	8.2	7.9	8.1	4.8	4.1	4.4
25	17.5	17.1	17.3	15.9	15.2	15.5	7.9	6.7	7.3	5.0	4.7	4.9
26	17.1	16.7	16.9	15.2	14.4	14.6	6.7	5.2	6.2	4.9	4.6	4.8
27	17.0	16.6	16.8	14.4	13.9	14.2	5.2	4.3	4.5	5.0	4.6	4.8
28	17.1	16.8	17.0	14.6	14.3	14.4	4.3	4.1	4.2	4.6	3.6	4.1
29	17.1	16.7	16.9	14.3	13.5	13.8	4.4	4.0	4.2	3.6	3.3	3.4
30	17.8	16.8	17.3	13.6	12.9	13.2	5.2	4.4	4.8	3.8	3.2	3.5
31	18.6	17.7	18.2	---	---	---	6.0	5.2	5.6	4.1	3.7	3.9
MONTH	24.2	16.6	20.1	19.1	12.5	15.2	13.5	4.0	9.5	12.2	3.2	7.6
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.2	3.9	4.1	8.0	7.3	7.6	14.6	13.3	13.9	17.2	16.8	17.0
2	4.3	3.9	4.1	7.5	6.7	7.1	14.5	13.6	14.0	17.6	16.7	17.2
3	4.4	4.1	4.3	7.4	6.5	7.1	14.0	13.4	13.7	17.4	16.5	17.1
4	4.4	4.2	4.3	7.6	6.8	7.2	13.9	13.0	13.4	17.8	16.9	17.2
5	4.9	4.3	4.6	7.4	7.0	7.2	14.8	13.4	14.2	17.5	16.9	17.3
6	5.4	4.7	5.0	7.4	7.0	7.2	15.7	14.3	15.1	17.1	15.6	16.3
7	5.8	5.2	5.5	7.8	7.3	7.5	16.4	15.3	16.0	15.9	15.2	15.5
8	6.5	5.8	6.0	8.3	7.7	8.0	17.0	16.4	16.7	16.8	15.9	16.3
9	7.0	6.5	6.7	7.8	7.1	7.6	17.0	16.2	16.8	17.2	16.5	16.7
10	7.8	7.0	7.4	8.1	7.4	7.8	16.2	15.4	15.8	17.6	16.8	17.1
11	7.5	7.2	7.3	8.6	8.1	8.3	16.3	15.5	15.9	18.6	17.3	17.8
12	7.3	7.0	7.1	8.6	8.1	8.4	16.1	14.9	15.7	19.8	18.5	19.0
13	7.7	7.1	7.3	9.1	8.3	8.6	14.9	13.4	14.3	19.8	19.1	19.4
14	7.6	7.3	7.5	9.1	8.6	8.8	13.4	12.7	12.9	19.9	18.9	19.4
15	7.9	7.4	7.6	9.0	8.4	8.7	13.2	12.7	13.0	20.6	19.6	20.0
16	8.6	7.7	8.2	9.0	8.0	8.7	12.8	12.6	12.7	20.8	20.2	20.5
17	8.9	8.3	8.6	8.2	7.6	7.9	13.6	12.6	13.2	21.1	20.1	20.5
18	8.8	8.2	8.5	8.1	7.3	7.7	14.8	13.3	14.1	20.8	19.9	20.3
19	8.5	7.9	8.1	8.6	8.0	8.3	15.8	14.2	15.0	21.1	20.5	20.8
20	8.3	7.9	8.1	8.9	8.5	8.7	16.9	15.2	16.0	21.5	21.0	21.2
21	8.1	7.9	8.0	9.3	8.6	8.9	17.7	16.5	17.0	21.4	20.6	21.1
22	8.1	7.9	8.0	9.6	9.2	9.4	18.3	17.1	17.7	21.3	20.4	20.8
23	8.6	7.8	8.0	10.4	9.5	9.8	18.4	18.0	18.2	21.3	20.8	20.9
24	8.5	8.0	8.2	11.0	10.4	10.7	18.4	17.3	17.8	21.4	20.9	21.1
25	8.0	7.6	7.8	11.0	10.6	10.8	17.4	16.3	17.0	21.0	19.8	20.3
26	8.1	7.3	7.7	11.5	10.7	11.1	17.1	16.2	16.6	20.2	19.7	20.0
27	8.0	7.8	7.9	11.7	11.3	11.5	16.8	16.2	16.4	21.5	20.2	20.8
28	8.0	7.5	7.8	12.2	11.4	11.7	17.2	16.2	16.7	22.2	20.9	21.6
29	---	---	---	12.7	11.8	12.3	17.0	16.4	16.7	22.2	21.7	22.0
30	---	---	---	13.5	12.2	12.8	17.0	16.4	16.7	22.2	21.9	22.1
31	---	---	---	14.0	12.8	13.4	---	---	---	22.7	21.8	22.1
MONTH	8.9	3.9	6.9	14.0	6.5	9.1	18.4	12.6	15.4	22.7	15.2	19.3

0208114150 ROANOKE RIVER AT NC 45 NEAR WESTOVER, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	5.0	4.0	4.3	5.5	5.0	5.2	8.8	8.4	8.6	---	---	---
2	5.1	4.5	4.8	5.2	4.7	4.9	8.8	8.5	8.6	---	---	---
3	5.3	4.9	5.1	4.8	4.6	4.7	9.0	8.6	8.8	---	---	---
4	5.3	4.9	5.1	4.8	4.5	4.6	9.0	8.8	8.9	---	---	---
5	5.7	5.1	5.4	5.1	4.7	4.9	9.0	8.8	8.9	---	---	---
6	5.7	5.3	5.5	5.5	5.0	5.2	9.0	8.8	8.9	---	---	---
7	5.7	5.4	5.5	5.9	5.4	5.6	8.9	8.7	8.8	---	---	---
8	5.9	5.6	5.7	6.2	5.6	5.8	8.8	8.5	8.7	---	---	---
9	5.9	5.7	5.8	5.8	5.4	5.7	8.6	8.4	8.5	---	---	---
10	6.2	5.7	5.9	6.1	5.5	5.8	8.5	8.0	8.2	---	---	---
11	6.1	5.9	6.0	6.6	6.0	6.3	8.1	7.8	8.0	---	---	---
12	6.2	5.9	6.0	7.1	6.5	6.8	8.3	7.8	8.1	---	---	---
13	6.2	6.0	6.1	7.6	7.0	7.3	8.3	8.1	8.2	---	---	---
14	6.2	5.5	5.8	7.6	7.3	7.4	8.3	8.0	8.1	---	---	---
15	5.6	5.3	5.5	7.6	7.3	7.4	8.7	8.2	8.5	---	---	---
16	5.7	5.4	5.6	7.6	7.3	7.4	8.9	8.5	8.7	---	---	---
17	5.9	5.5	5.7	7.7	7.4	7.5	9.1	8.8	9.0	---	---	---
18	5.9	5.6	5.7	8.0	7.6	7.7	9.2	8.8	9.0	---	---	---
19	6.0	5.8	5.9	8.3	7.9	8.1	9.0	8.8	8.9	---	---	---
20	6.0	5.6	5.9	8.3	8.0	8.1	9.3	8.8	9.1	---	---	---
21	5.8	5.6	5.7	8.2	7.9	8.1	9.6	8.9	9.2	---	---	---
22	6.1	5.7	5.9	8.0	7.6	7.8	9.5	9.2	9.4	---	---	---
23	6.1	5.8	6.0	7.7	7.4	7.5	9.4	9.0	9.2	---	---	---
24	5.9	5.7	5.8	7.6	7.4	7.5	---	---	---	---	---	---
25	6.0	5.7	5.9	7.9	7.4	7.6	---	---	---	---	---	---
26	6.2	5.8	6.0	8.1	7.7	7.9	---	---	---	10.9	10.6	10.8
27	6.1	5.9	6.0	8.1	7.9	8.0	---	---	---	11.2	10.9	11.0
28	6.2	5.7	6.0	8.2	8.0	8.1	---	---	---	11.3	11.0	11.1
29	5.8	5.3	5.5	8.2	8.0	8.1	10.2	9.8	10.0	11.5	11.2	11.4
30	6.0	5.5	5.7	8.5	8.1	8.3	---	---	---	11.6	11.4	11.5
31	5.8	5.4	5.6	---	---	---	---	---	---	11.6	11.4	11.5
MONTH	6.2	4.0	5.7	8.5	4.5	6.8	---	---	---	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
1	11.5	11.3	11.4	11.1	10.8	11.0	9.0	8.5	8.8	7.8	7.4	7.6
2	11.7	11.3	11.6	---	---	---	8.9	8.4	8.7	7.7	7.3	7.5
3	11.7	11.4	11.6	---	---	---	8.8	8.4	8.6	7.6	7.3	7.4
4	11.7	11.4	11.5	---	---	---	9.0	8.3	8.7	7.9	7.2	7.4
5	11.6	11.3	11.4	---	---	---	9.0	8.3	8.7	7.9	7.3	7.5
6	11.5	11.2	11.3	---	---	---	8.7	8.2	8.4	8.6	7.7	8.0
7	11.5	11.3	11.4	---	---	---	8.7	7.5	8.2	7.8	7.0	7.3
8	11.3	11.1	11.2	---	---	---	8.1	6.8	7.6	7.3	7.1	7.2
9	11.3	11.0	11.2	---	---	---	7.6	6.7	7.2	7.3	6.9	7.1
10	11.2	10.8	11.0	---	---	---	7.5	7.0	7.3	7.4	7.1	7.2
11	11.0	10.7	10.8	---	---	---	8.1	7.4	7.8	7.2	6.7	6.9
12	10.9	10.7	10.8	---	---	---	8.1	7.4	7.7	7.0	6.7	6.8
13	11.0	10.7	10.8	---	---	---	7.6	7.2	7.4	6.9	6.6	6.8
14	11.0	10.7	10.8	---	---	---	7.4	7.0	7.1	6.9	6.6	6.8
15	10.7	10.5	10.6	---	---	---	8.5	7.3	8.1	6.7	6.3	6.5
16	10.7	10.1	10.4	10.5	10.2	10.3	8.7	8.2	8.5	7.0	6.3	6.5
17	10.3	9.8	10.1	10.6	10.3	10.4	8.6	8.1	8.4	6.8	6.1	6.3
18	10.0	9.7	9.9	10.5	10.2	10.3	8.5	8.0	8.3	---	---	---
19	10.3	9.9	10.1	10.5	10.3	10.4	8.4	7.9	8.1	---	---	---
20	10.4	10.0	10.2	10.6	10.4	10.5	8.2	7.7	7.9	---	---	---
21	10.5	10.2	10.4	10.6	10.4	10.5	7.9	7.4	7.6	---	---	---
22	10.5	10.2	10.3	10.6	10.4	10.5	7.7	7.0	7.3	---	---	---
23	10.8	10.4	10.6	10.5	10.0	10.3	7.2	6.9	7.0	---	---	---
24	10.9	10.3	10.6	10.0	9.4	9.7	7.1	6.4	6.7	---	---	---
25	10.8	10.5	10.6	9.5	9.2	9.3	6.9	6.4	6.6	---	---	---
26	10.9	10.4	10.6	9.4	9.0	9.2	7.1	6.6	6.9	---	---	---
27	10.8	10.5	10.6	9.1	8.8	9.0	7.3	7.1	7.2	---	---	---
28	11.2	10.7	10.9	9.0	8.6	8.8	7.3	7.1	7.2	---	---	---
29	---	---	---	8.8	8.6	8.7	7.4	7.2	7.3	---	---	---
30	---	---	---	8.9	8.4	8.7	7.8	7.4	7.7	---	---	---
31	---	---	---	9.0	8.5	8.7	---	---	---	---	---	---
MONTH	11.7	9.7	10.8	---	---	---	9.0	6.4	7.8	---	---	---

ROANOKE RIVER BASIN

0208114150 ROANOKE RIVER AT NC 45 NEAR WESTOVER, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	JUNE			JULY			AUGUST			SEPTEMBER		
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	5.8	4.5	5.2	4.7	4.0	4.3	6.2	4.9	5.5			
2	---	---	---	5.6	4.2	4.9	4.3	3.6	3.8	6.5	5.0	5.4			
3	---	---	---	7.2	4.1	5.0	4.3	3.4	3.8	7.2	5.2	5.9			
4	---	---	---	7.6	4.5	5.5	4.7	3.4	3.8	6.0	4.9	5.4			
5	---	---	---	7.2	4.9	6.0	5.9	3.5	4.5	6.2	5.2	5.7			
6	---	---	---	8.4	4.3	5.0	6.1	3.9	4.7	6.5	5.5	5.9			
7	---	---	---	8.4	4.6	5.4	6.5	4.1	4.8	6.5	5.6	6.0			
8	---	---	---	5.9	4.8	5.2	5.8	4.2	4.6	6.5	5.5	5.8			
9	---	---	---	7.6	4.5	5.5	5.4	4.2	4.6	6.6	5.4	5.9			
10	---	---	---	6.8	4.7	5.3	5.6	4.1	4.5	6.5	5.4	6.0			
11	---	---	---	6.5	4.6	5.4	6.4	4.0	4.5	6.9	5.7	6.2			
12	---	---	---	5.8	4.7	5.2	6.5	3.7	4.5	6.9	5.9	6.4			
13	---	---	---	5.2	4.3	4.8	6.2	3.9	4.6	7.0	5.9	6.5			
14	---	---	---	5.2	4.4	4.7	5.6	4.3	4.9	7.2	5.8	6.3			
15	---	---	---	5.7	4.9	5.2	6.4	4.9	5.3	7.4	5.9	7.0			
16	---	---	---	5.8	5.2	5.5	5.8	5.0	5.3	5.9	4.4	4.9			
17	6.0	5.4	5.7	5.8	5.2	5.5	5.7	5.0	5.3	5.3	4.1	4.5			
18	6.1	5.4	5.6	6.0	5.3	5.6	6.3	5.0	5.3	5.0	3.8	4.3			
19	6.4	5.2	5.6	---	---	---	6.4	4.9	5.2	5.0	3.5	4.1			
20	6.3	5.7	6.0	---	---	---	6.5	4.7	5.1	5.5	4.5	5.0			
21	7.2	5.7	6.1	---	---	---	6.9	4.6	5.3	5.6	4.6	5.0			
22	6.5	5.3	5.7	---	---	---	6.4	4.5	5.2	5.5	4.8	5.0			
23	7.3	5.2	5.7	---	---	---	5.7	4.9	5.3	5.8	4.5	5.0			
24	7.0	5.4	5.7	---	---	---	6.4	4.8	5.3	5.7	4.7	5.1			
25	6.8	5.6	6.0	---	---	---	6.5	4.9	5.5	5.7	4.5	5.0			
26	6.2	5.5	5.7	---	---	---	7.0	5.1	5.6	5.4	4.7	5.1			
27	6.4	5.4	5.6	---	---	---	6.5	5.1	5.6	5.6	4.9	5.2			
28	6.1	5.3	5.5	---	---	---	6.6	4.8	5.2	6.3	5.0	5.5			
29	5.7	5.1	5.5	---	---	---	7.2	4.9	5.8	6.1	5.3	5.7			
30	5.7	4.7	5.2	5.0	4.3	4.5	6.6	5.2	5.7	6.3	5.3	5.7			
31	---	---	---	5.0	4.2	4.5	6.2	5.2	5.7	---	---	---			
MONTH	---	---	---	---	---	---	7.2	3.4	5.0	7.4	3.5	5.5			

0208114150 ROANOKE RIVER AT NC 45 NEAR WESTOVER, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	5.0	4.2	4.5	5.8	5.2	5.4	8.9	8.4	8.7	10.3	9.9	10.1
2	5.2	4.6	4.9	5.4	4.8	5.0	8.9	8.6	8.8	10.0	9.7	9.9
3	5.4	4.8	5.1	5.0	4.6	4.8	9.1	8.7	8.9	9.8	9.6	9.7
4	5.4	4.7	5.0	4.9	4.6	4.8	9.1	8.8	9.0	9.6	9.3	9.4
5	5.8	4.9	5.3	5.2	4.7	5.0	9.1	8.9	9.0	9.3	9.0	9.2
6	5.8	5.3	5.5	5.6	5.1	5.3	9.1	8.8	9.0	9.2	8.8	9.0
7	5.9	5.3	5.6	5.7	5.5	5.6	8.9	8.7	8.8	8.9	8.6	8.8
8	6.1	5.7	5.9	6.1	5.6	5.8	8.9	8.6	8.7	8.8	8.5	8.6
9	6.1	5.8	6.0	6.0	5.6	5.8	8.7	8.3	8.5	8.9	8.6	8.7
10	6.2	5.9	6.0	6.2	5.7	5.9	8.5	8.2	8.3	8.8	8.5	8.7
11	6.2	6.0	6.1	6.6	6.2	6.4	8.3	8.1	8.2	8.9	8.6	8.8
12	6.3	6.0	6.2	7.2	6.5	6.8	8.5	8.1	8.3	9.1	8.7	8.9
13	6.4	6.1	6.2	7.8	7.1	7.5	8.5	8.4	8.5	9.1	8.8	9.0
14	6.3	5.7	6.1	7.7	7.4	7.6	8.6	8.3	8.4	9.1	8.7	8.9
15	5.9	5.5	5.7	7.8	7.5	7.6	8.9	8.5	8.8	8.8	8.3	8.4
16	5.9	5.6	5.8	7.8	7.5	7.6	9.3	8.8	9.1	9.0	8.4	8.7
17	6.0	5.7	5.9	7.9	7.6	7.7	9.4	9.2	9.3	9.2	8.9	9.1
18	6.1	5.8	5.9	8.3	7.7	7.9	9.5	9.3	9.4	9.6	9.2	9.4
19	6.2	6.0	6.0	8.6	8.1	8.4	9.4	9.2	9.3	10.1	9.6	9.8
20	6.2	5.8	6.0	8.5	8.2	8.4	9.5	9.3	9.4	10.2	10.0	10.1
21	6.0	5.7	5.8	8.4	8.0	8.2	9.8	9.4	9.6	10.8	10.2	10.4
22	6.2	5.9	6.0	8.2	7.8	8.1	9.8	9.7	9.8	10.9	10.8	10.9
23	6.3	5.8	6.1	7.9	7.6	7.7	9.8	9.5	9.7	11.2	10.8	11.0
24	6.1	5.8	5.9	7.8	7.6	7.7	9.7	9.2	9.5	11.2	10.9	11.0
25	6.2	5.8	6.0	8.1	7.6	7.9	9.5	9.1	9.3	11.0	10.5	10.7
26	6.3	6.0	6.1	8.3	8.0	8.1	9.7	9.4	9.6	10.7	10.5	10.6
27	6.3	6.1	6.2	8.2	8.1	8.2	10.2	9.7	9.9	11.1	10.6	10.9
28	6.4	6.0	6.2	8.4	8.0	8.2	10.3	10.1	10.2	11.1	10.8	11.0
29	6.1	5.6	5.8	8.5	8.2	8.3	10.6	10.3	10.4	11.3	11.0	11.2
30	6.0	5.7	5.9	8.5	8.3	8.4	10.5	10.3	10.4	11.5	11.2	11.3
31	5.9	5.7	5.8	---	---	---	10.4	10.2	10.3	11.3	11.1	11.2
MONTH	6.4	4.2	5.8	8.6	4.6	7.0	10.6	8.1	9.2	11.5	8.3	9.8
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.4	11.1	11.3	10.6	10.2	10.4	8.6	8.2	8.4	8.2	7.5	7.8
2	11.5	11.2	11.3	10.8	10.3	10.5	8.5	8.0	8.3	8.2	7.5	7.8
3	11.5	11.2	11.3	10.8	10.4	10.6	8.3	7.9	8.1	8.0	7.4	7.8
4	11.3	11.1	11.2	10.6	10.3	10.5	8.8	8.0	8.5	8.2	7.2	7.6
5	11.3	11.0	11.1	10.8	10.4	10.6	8.7	8.2	8.5	8.6	7.4	7.9
6	11.2	10.9	11.1	11.0	10.7	10.9	8.8	8.3	8.6	10.5	7.3	8.9
7	11.1	10.9	11.0	11.0	10.9	11.0	8.8	7.5	8.2	9.4	7.0	7.7
8	10.9	10.7	10.8	11.0	10.7	10.8	8.2	6.8	7.7	7.6	7.0	7.3
9	11.0	10.6	10.8	11.0	10.7	10.9	7.5	6.8	7.2	7.6	6.8	7.2
10	10.8	10.5	10.7	10.9	10.7	10.8	7.6	7.0	7.3	7.6	6.4	7.2
11	10.7	10.4	10.5	10.8	10.4	10.6	8.2	7.4	7.9	7.1	6.2	6.7
12	10.5	10.3	10.4	10.6	10.1	10.4	8.3	7.4	7.8	7.1	6.4	6.7
13	10.5	10.3	10.5	10.4	10.1	10.2	7.7	7.1	7.5	6.9	6.5	6.7
14	10.6	10.3	10.5	10.5	10.2	10.4	7.6	6.9	7.2	6.8	6.4	6.6
15	10.4	10.2	10.3	10.5	10.2	10.3	8.6	7.4	8.2	6.6	6.3	6.5
16	10.4	9.9	10.1	10.6	10.2	10.4	8.9	8.3	8.6	6.4	6.0	6.3
17	10.1	9.2	9.7	10.6	10.3	10.5	9.0	8.3	8.7	6.2	5.8	6.0
18	9.8	9.4	9.6	10.6	10.3	10.4	8.8	8.2	8.5	6.2	5.7	5.9
19	10.0	9.5	9.8	10.6	10.5	10.5	8.6	8.1	8.3	6.0	5.8	6.0
20	10.1	9.6	9.9	10.6	10.4	10.5	8.4	7.8	8.1	6.2	5.8	6.0
21	10.1	9.8	10	10.6	10.4	10.6	8.1	7.5	7.7	6.3	5.6	6.0
22	10.1	9.8	10	10.8	10.5	10.6	8.0	7.0	7.4	6.1	5.8	5.9
23	10.4	10.0	10.2	10.7	10.0	10.3	7.2	6.7	7.0	6.1	5.5	5.9
24	10.6	10.1	10.3	10.1	9.4	9.7	7.4	6.3	6.8	6.2	5.6	5.9
25	10.6	10.1	10.2	9.5	9.2	9.3	6.9	6.3	6.6	6.2	5.6	5.9
26	10.3	10.0	10.1	9.3	8.9	9.1	7.4	6.5	7.0	6.1	5.6	5.8
27	10.4	10.0	10.2	8.9	8.5	8.8	7.7	7.1	7.4	6.5	5.3	5.9
28	10.6	10.3	10.4	8.8	8.4	8.6	7.8	7.2	7.5	6.2	5.5	5.9
29	---	---	---	8.7	8.3	8.5	7.8	7.4	7.6	6.2	5.6	6.0
30	---	---	---	8.6	8.2	8.4	8.0	7.3	7.8	6.0	5.6	5.8
31	---	---	---	8.7	8.1	8.4	---	---	---	6.0	5.3	5.7
MONTH	11.5	9.2	10.5	11.0	8.1	10.1	9.0	6.3	7.8	10.5	5.3	6.6

ROANOKE RIVER BASIN

0208114150 ROANOKE RIVER AT NC 45 NEAR WESTOVER, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.0	5.4	5.7	4.6	3.4	4.1	4.8	3.8	4.3	5.8	4.0	5.0
2	7.1	5.6	6.2	4.2	3.1	3.8	---	---	---	6.0	4.3	5.1
3	5.9	5.0	5.4	4.1	3.0	3.6	---	---	---	6.3	4.7	5.3
4	5.1	4.8	4.9	4.5	3.6	4.1	---	---	---	6.9	5.0	5.6
5	5.1	4.7	4.9	6.0	3.4	4.1	---	---	---	7.4	5.1	6.1
6	5.4	4.8	5.0	4.5	3.4	4.0	4.8	3.6	4.0	7.8	5.7	6.8
7	5.3	5.0	5.2	4.4	3.2	3.8	4.8	3.5	4.0	7.8	6.1	6.7
8	5.4	4.9	5.1	5.4	3.6	4.6	4.5	3.7	4.0	7.0	5.5	6.1
9	5.5	5.0	5.2	5.6	3.8	4.6	4.7	4.0	4.3	6.7	5.4	6.0
10	5.6	4.9	5.2	5.8	3.9	4.7	4.3	3.6	4.0	7.9	5.8	6.6
11	5.8	5.1	5.4	5.8	3.5	4.6	4.3	3.2	3.8	7.9	5.9	6.8
12	5.8	5.1	5.4	5.3	3.8	4.7	4.0	3.1	3.6	8.2	6.1	6.9
13	5.8	4.3	4.8	5.7	4.6	5.2	5.1	3.2	4.0	8.8	6.7	7.9
14	5.8	4.8	5.3	6.1	4.6	5.2	5.2	4.3	4.7	9.3	7.1	7.8
15	5.8	4.9	5.3	6.7	4.9	5.4	5.5	4.8	5.1	10.1	7.7	9.2
16	6.2	5.2	5.6	5.7	5.2	5.4	5.6	4.9	5.1	8.0	5.1	6.2
17	5.7	5.1	5.4	5.6	5.3	5.4	5.4	4.8	5.1	5.5	3.9	4.9
18	5.6	5.1	5.3	5.8	5.3	5.5	5.3	4.7	5.0	5.6	4.1	4.6
19	5.9	5.0	5.3	5.6	5.2	5.3	5.4	4.7	5.0	6.2	3.4	4.1
20	6.1	5.5	5.8	5.7	5.2	5.3	5.2	4.6	4.8	7.0	3.6	5.8
21	6.1	5.1	5.6	5.5	5.0	5.2	5.2	4.4	4.9	4.8	3.6	4.2
22	5.6	4.8	5.2	5.7	5.2	5.3	5.2	4.5	4.9	---	---	---
23	5.8	5.1	5.4	5.5	5.0	5.3	5.9	4.8	5.3	---	---	---
24	6.2	5.3	5.5	5.4	4.8	5.1	5.8	4.9	5.3	---	---	---
25	6.1	5.6	5.8	5.3	4.4	4.8	6.3	5.2	5.5	---	---	---
26	6.1	5.5	5.8	5.3	3.8	4.6	5.9	4.6	5.2	---	---	---
27	5.6	4.8	5.3	3.9	3.1	3.5	5.6	4.4	4.9	---	---	---
28	5.4	4.6	5.2	5.1	3.0	3.8	5.0	4.2	4.5	5.8	4.5	5.0
29	5.6	4.6	5.2	5.3	4.2	4.6	5.5	4.3	4.8	5.8	4.1	4.8
30	5.2	4.2	4.6	5.0	4.3	4.6	5.5	4.3	4.9	5.9	4.9	5.3
31	---	---	---	5.0	4.1	4.4	5.8	4.4	5.3	---	---	---
MONTH	7.1	4.2	5.3	6.7	3.0	4.7	---	---	---	---	---	---

0208114150 ROANOKE RIVER AT NC 45 NEAR WESTOVER, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	60	48	52	59	54	56	84	80	82	---	---	---
2	61	54	58	56	51	53	83	80	81	---	---	---
3	63	58	61	52	50	51	84	80	82	---	---	---
4	63	58	61	52	48	50	84	81	82	---	---	---
5	67	60	64	54	50	52	84	81	83	---	---	---
6	67	62	64	58	53	55	83	81	82	---	---	---
7	66	62	63	62	56	58	83	81	82	---	---	---
8	68	63	65	64	58	60	82	80	81	---	---	---
9	68	65	66	59	54	58	81	79	80	---	---	---
10	71	65	67	61	55	58	81	76	79	---	---	---
11	69	67	68	66	59	63	78	74	76	---	---	---
12	71	66	68	71	64	67	78	74	76	---	---	---
13	70	67	68	75	70	73	78	75	77	---	---	---
14	69	61	65	74	71	72	76	73	75	---	---	---
15	62	59	61	74	70	72	77	74	76	---	---	---
16	63	59	61	73	70	71	78	74	76	---	---	---
17	64	60	62	74	70	72	79	76	77	---	---	---
18	64	60	62	76	72	73	79	75	77	---	---	---
19	66	62	64	79	74	76	77	75	76	---	---	---
20	66	61	64	79	76	78	78	73	76	---	---	---
21	63	61	62	79	77	78	78	73	75	---	---	---
22	66	62	64	78	75	76	78	75	76	---	---	---
23	65	62	64	75	73	74	78	75	76	---	---	---
24	63	60	61	76	73	74	---	---	---	---	---	---
25	63	60	61	79	74	77	---	---	---	---	---	---
26	65	60	62	80	76	78	---	---	---	85	83	85
27	64	61	62	79	77	78	---	---	---	88	85	86
28	64	59	62	81	78	79	---	---	---	87	85	86
29	60	55	57	80	77	78	78	75	77	87	84	86
30	63	57	59	81	77	79	---	---	---	88	86	87
31	62	58	60	---	---	---	---	---	---	89	87	88
MONTH	71	48	63	81	48	68	---	---	---	---	---	---
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	88	87	87	93	90	92	89	81	85	81	77	79
2	90	86	89	---	---	---	88	82	85	81	76	78
3	90	88	89	---	---	---	85	81	83	80	76	77
4	90	88	89	---	---	---	88	79	84	84	75	77
5	91	87	89	---	---	---	90	81	85	82	76	78
6	91	87	89	---	---	---	88	80	84	87	79	82
7	91	89	90	---	---	---	89	77	83	79	71	74
8	91	89	90	---	---	---	84	70	79	76	72	73
9	93	90	92	---	---	---	79	69	75	76	71	73
10	93	90	92	---	---	---	75	71	74	79	74	76
11	92	89	90	---	---	---	82	75	79	76	71	73
12	90	89	89	---	---	---	83	74	78	77	72	74
13	92	89	90	---	---	---	75	69	73	76	72	74
14	91	89	90	---	---	---	70	66	68	76	71	74
15	90	88	89	---	---	---	81	69	77	75	69	72
16	90	87	89	90	88	89	82	77	80	79	70	73
17	88	84	86	89	87	88	82	78	80	77	68	70
18	86	83	85	89	85	87	84	77	81	---	---	---
19	88	84	86	90	87	89	85	77	81	---	---	---
20	88	84	86	92	89	90	85	77	81	---	---	---
21	89	86	88	93	90	91	82	76	79	---	---	---
22	89	86	88	94	91	92	81	73	77	---	---	---
23	93	88	90	93	89	91	77	73	75	---	---	---
24	93	87	91	90	85	88	76	68	71	---	---	---
25	91	88	89	86	83	84	72	66	69	---	---	---
26	93	87	89	86	83	84	73	68	71	---	---	---
27	91	88	89	84	81	82	76	72	74	---	---	---
28	94	91	92	84	79	81	77	73	75	---	---	---
29	---	---	---	84	80	82	77	74	75	---	---	---
30	---	---	---	86	78	82	81	76	79	---	---	---
31	---	---	---	88	81	84	---	---	---	---	---	---
MONTH	94	83	89	---	---	---	90	66	78	---	---	---

ROANOKE RIVER BASIN

0208114150 ROANOKE RIVER AT NC 45 NEAR WESTOVER, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	JUNE			JULY			AUGUST			SEPTEMBER		
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	74	56	66	61	51	55	81	64	72			
2	---	---	---	71	53	62	55	45	48	86	65	71			
3	---	---	---	93	52	64	55	43	48	96	68	78			
4	---	---	---	100	57	70	61	44	49	79	63	70			
5	---	---	---	95	63	78	79	45	59	80	66	73			
6	---	---	---	113	55	65	82	50	62	83	70	75			
7	---	---	---	113	60	71	86	53	64	82	70	75			
8	---	---	---	77	63	69	77	55	60	83	69	73			
9	---	---	---	102	59	72	72	55	60	84	68	74			
10	---	---	---	91	61	70	75	54	59	81	68	76			
11	---	---	---	88	60	72	86	52	59	85	70	76			
12	---	---	---	77	62	69	88	48	59	85	72	78			
13	---	---	---	69	56	63	84	51	61	86	73	80			
14	---	---	---	68	57	61	75	57	64	88	71	77			
15	---	---	---	75	63	68	86	65	71	90	72	85			
16	---	---	---	76	67	71	77	66	70	72	54	61			
17	76	67	71	76	68	72	75	66	70	67	51	56			
18	77	67	69	79	69	72	83	65	70	63	47	53			
19	81	65	71	---	---	---	85	64	68	63	44	52			
20	78	70	74	---	---	---	86	61	67	70	56	63			
21	91	69	75	---	---	---	93	61	71	71	58	63			
22	82	65	71	---	---	---	86	59	68	70	60	63			
23	93	64	72	---	---	---	76	65	71	74	57	63			
24	89	67	71	---	---	---	85	63	69	73	60	65			
25	85	70	74	---	---	---	85	64	72	72	57	64			
26	77	68	71	---	---	---	92	66	73	69	59	65			
27	82	67	70	---	---	---	85	66	72	71	62	66			
28	78	66	70	---	---	---	88	62	68	79	63	69			
29	72	64	68	---	---	---	95	64	76	77	66	71			
30	72	58	64	66	57	60	88	67	74	77	65	71			
31	---	---	---	65	55	58	82	67	74	---	---	---			
MONTH	---	---	---	---	---	---	95	43	65	96	44	69			

0208114150 ROANOKE RIVER AT NC 45 NEAR WESTOVER, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	60	50	53	62	56	58	84	80	83	83	81	82
2	62	55	59	58	52	54	84	81	83	83	81	82
3	64	57	61	54	50	52	85	81	83	83	81	82
4	64	55	60	53	50	51	85	82	83	82	80	81
5	68	58	63	56	51	53	85	83	84	82	80	81
6	67	61	64	59	54	56	84	81	83	82	79	81
7	68	61	65	60	57	58	83	81	82	80	78	79
8	70	65	67	63	58	60	84	80	82	80	77	78
9	70	66	68	61	56	59	82	79	80	81	78	79
10	71	67	69	62	57	59	81	79	80	79	76	78
11	70	68	69	66	61	63	80	77	79	80	77	78
12	71	68	70	72	64	68	80	77	79	82	77	80
13	72	68	70	77	71	74	80	78	79	83	79	81
14	71	63	68	75	71	74	79	77	78	85	81	82
15	65	61	63	76	72	74	80	77	79	82	75	77
16	65	61	63	75	72	73	81	78	80	79	75	77
17	65	62	64	75	72	73	81	80	81	80	77	79
18	66	62	64	78	73	75	82	80	81	80	77	79
19	67	65	66	82	76	79	80	78	80	82	78	80
20	68	63	66	82	79	80	81	78	79	83	80	82
21	65	62	63	81	78	80	80	77	78	87	82	84
22	67	64	65	80	77	79	81	79	80	87	86	86
23	67	62	65	78	75	76	82	79	81	87	85	86
24	65	61	62	78	75	76	82	78	80	87	84	85
25	65	61	63	82	76	79	78	76	77	86	82	84
26	65	62	63	82	78	80	79	76	77	84	82	83
27	65	63	64	80	79	80	79	76	77	87	83	85
28	66	62	64	82	78	80	79	78	78	86	83	84
29	63	58	60	82	79	81	82	79	80	85	83	84
30	63	59	61	81	79	80	82	80	81	87	84	86
31	63	60	62	---	---	---	82	81	82	87	85	86
MONTH	72	50	64	82	50	69	85	76	80	87	75	82
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	88	85	86	89	86	87	85	79	82	85	78	81
2	89	85	87	90	85	87	83	78	81	85	78	82
3	89	86	87	90	85	88	80	77	79	83	77	80
4	87	85	86	89	85	87	85	76	81	86	75	79
5	88	85	87	90	86	88	86	80	83	90	77	83
6	88	85	87	92	89	90	89	81	85	107	74	91
7	88	86	87	93	91	92	90	77	83	95	70	77
8	88	86	87	93	90	92	85	70	79	77	72	74
9	91	87	88	92	89	91	78	70	74	78	70	74
10	90	88	89	92	89	91	76	71	74	79	67	75
11	89	86	87	92	89	91	83	75	80	76	65	71
12	87	85	86	91	87	89	84	73	79	76	70	72
13	88	86	87	90	86	88	76	68	73	75	71	73
14	89	86	87	91	88	89	72	65	68	74	69	72
15	87	85	86	91	87	89	82	70	78	74	69	71
16	87	85	86	91	87	89	84	78	81	72	67	70
17	86	79	84	90	87	88	86	80	83	70	64	67
18	84	80	82	90	86	88	87	79	83	69	63	65
19	85	80	83	91	89	90	87	79	83	68	65	67
20	86	81	84	92	89	91	87	78	82	70	65	68
21	86	83	84	93	90	91	84	77	80	71	63	68
22	86	83	85	95	91	92	84	73	78	69	64	67
23	89	84	86	94	89	91	77	71	74	68	62	66
24	90	86	87	90	85	88	79	66	72	70	63	67
25	89	85	86	86	83	84	72	65	69	69	62	65
26	87	83	85	84	82	83	75	67	72	67	62	64
27	88	84	86	82	78	81	79	73	76	74	60	66
28	89	87	88	82	77	79	81	73	77	71	62	67
29	---	---	---	81	77	80	81	76	79	71	64	69
30	---	---	---	83	77	80	83	75	80	69	64	67
31	---	---	---	85	77	80	---	---	---	70	61	65
MONTH	91	79	86	95	77	88	90	65	78	107	60	72

ROANOKE RIVER BASIN

0208114150 ROANOKE RIVER AT NC 45 NEAR WESTOVER, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	70	62	66	57	42	51	62	48	55	76	52	66
2	80	64	70	53	38	47	---	---	---	78	56	66
3	67	57	62	52	37	45	---	---	---	83	61	70
4	58	54	56	57	46	51	---	---	---	90	65	73
5	58	54	56	78	43	53	---	---	---	95	65	79
6	63	56	59	58	44	52	63	46	52	99	73	86
7	62	58	60	57	41	49	63	46	53	98	76	84
8	64	58	60	71	47	61	59	49	53	88	69	77
9	66	60	62	73	50	60	62	52	56	85	68	75
10	68	59	63	76	51	61	57	47	53	98	73	82
11	71	62	66	76	46	60	56	42	49	98	72	84
12	72	62	66	70	50	62	52	40	47	99	74	84
13	73	53	60	75	60	68	68	42	53	107	82	96
14	72	60	66	79	59	67	69	57	62	113	87	95
15	72	61	66	86	63	70	73	63	68	123	94	111
16	78	65	70	74	67	70	75	65	68	98	63	76
17	72	64	67	73	69	70	71	63	67	68	48	60
18	70	63	66	76	69	72	69	61	65	70	50	57
19	74	63	66	74	68	70	70	61	65	78	42	51
20	75	68	72	75	68	70	69	60	63	88	45	73
21	74	63	68	72	65	69	69	58	65	61	45	52
22	69	59	64	76	68	70	69	60	65	---	---	---
23	73	63	66	73	66	69	78	64	70	---	---	---
24	78	66	69	72	63	67	76	64	69	---	---	---
25	76	69	72	70	58	63	82	68	72	---	---	---
26	75	68	71	70	50	60	77	60	67	---	---	---
27	70	59	66	52	41	47	73	57	63	---	---	---
28	67	58	65	69	40	51	65	54	58	72	56	62
29	70	57	65	70	56	61	72	56	63	72	51	60
30	65	52	57	66	56	60	72	56	63	72	60	65
31	---	---	---	65	54	58	76	57	68	---	---	---
MONTH	80	52	65	86	37	61	---	---	---	---	---	---