

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 U.S. Fish and Wildlife Service 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. Dissolved oxygen, minimum extremes are reported only as <1.0 mg/L. Dissolved oxygen, percent saturation, minimum extremes are reported only as <10%.

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	31.6, August 4, 2002	2.7, January 7, 2001
WATER TEMPERATURE (BOTTOM), °C	31.0, July 30, 1998, August 2, 1999	2.8, January 7, 2001
DISSOLVED OXYGEN (TOP), mg/L	12.3, January 6, 7, 2001, January 6, 2002	<1.0, June 5, 13, 24, July 17, 18, 2002
DISSOLVED OXYGEN (BOTTOM), mg/L	14.0, January 6, 7, 2001, January 11, 2002	<1.0, on many days during period
DISSOLVED OXYGEN, PERCENT SATU- RATION (TOP),%	114, July 30, 2002	<10, June 13, July 17, 18, 2002
DISSOLVED OXYGEN, PERCENT SATU- RATION (BOTTOM),%	115, November 30, 1999	< 10, on many days during period

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

EXTREMES FOR CURRENT WATER YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE (TOP), microsiemens	9,880, February 2	97, July 27
SPECIFIC CONDUCTANCE (BOTTOM), microsiemens	11,700, February 2	148, April 11
pH (TOP), standard units	8.0, August 19	6.1, April 8, 9, 10, 11
pH (BOTTOM), standard units	7.6, June 8	6.3, June 30, July 1, 2, 26
WATER TEMPERATURE (TOP), C	31.6, August 4	4.6, January 6
WATER TEMPERATURE (BOTTOM), C	30.0, August 4	4.0, January 5, 6
DISSOLVED OXYGEN (TOP), mg/L	12.3, January 6	<1.0, June 5, 13, 24, July 17, 18
DISSOLVED OXYGEN (BOTTOM), mg/L	14.0, January 11	<1.0, on several days during the year
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	114, July 30	<10, June 13, July 17, 18
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	112, January 16	<10, July 5, 31, August 1-6

SPECIFIC CONDUCTANCE, (MICROSIEMENS/CM AT 25 DEG. C), TOP, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	239	216	229	969	258	472	1750	976	1350	2550	612	1270
2	235	200	224	1160	258	660	2640	1100	1680	1040	511	679
3	635	211	283	1900	696	1000	1590	603	1100	938	546	779
4	481	242	339	3250	1020	1600	1050	395	636	728	360	416
5	465	236	325	4160	811	1470	604	272	409	3190	333	728
6	7280	294	1630	891	599	722	1180	343	551	6260	358	1530
7	1180	304	521	2200	596	1070	4270	489	801	1310	622	825
8	441	260	327	2810	443	838	1670	585	842	1060	554	699
9	388	267	319	5660	480	1480	4410	725	1450	1570	601	917
10	271	236	247	1060	577	744	1100	735	948	1120	788	924
11	332	239	256	4370	817	1580	807	457	629	2640	539	880
12	254	215	236	1080	740	967	491	278	365	1120	577	723
13	340	213	248	766	528	652	352	269	288	1250	506	861
14	1160	222	427	555	321	479	1060	284	589	906	361	576
15	2670	482	831	494	302	397	2030	514	803	455	304	362
16	830	437	538	403	251	335	673	372	519	384	121	267
17	958	486	726	567	225	284	1170	390	568	308	118	147
18	718	359	466	284	228	266	3480	588	1450	793	140	357
19	475	270	394	740	219	331	2970	630	1020	650	350	428
20	307	233	263	5480	307	1010	1360	515	774	490	304	409
21	294	202	246	881	409	479	1900	451	744	373	257	291
22	340	204	241	1920	336	511	1660	476	639	319	242	271
23	370	227	282	672	308	399	1040	475	610	255	209	233
24	592	268	357	777	266	432	2320	361	821	1310	241	430
25	1560	529	895	1580	393	811	1220	331	580	3780	205	419
26	2730	940	1350	1560	596	1030	2290	570	1250	250	184	202
27	3010	1090	1770	1820	458	1130	2460	338	824	281	199	225
28	1690	929	1280	1380	619	799	4250	695	1540	276	209	231
29	937	670	788	973	530	749	2660	1000	1390	267	212	229
30	1080	455	662	1880	704	1130	3380	681	1540	1290	234	379
31	721	453	543	---	---	---	1350	473	803	546	351	424
MONTH	7280	200	556	5660	219	794	4410	269	888	6260	118	552

ROANOKE RIVER BASIN

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

SPECIFIC CONDUCTANCE, (MICROSIEMENS/CM AT 25 DEG. C), TOP, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	9010	347	2470	1450	497	834	387	176	264	1550	272	521
2	9880	1410	3590	3080	473	872	201	185	192	2570	219	721
3	1410	296	587	791	424	582	668	169	193	2680	337	728
4	1120	246	419	4060	332	563	1070	157	255	505	317	396
5	1780	580	1020	436	207	300	178	163	168	335	230	273
6	5480	453	1270	814	246	437	197	166	177	260	237	247
7	7820	587	2090	694	320	439	198	163	183	446	259	298
8	1260	510	794	887	315	541	175	153	166	584	314	376
9	2210	372	934	1010	416	628	170	155	161	654	297	387
10	891	387	587	1030	442	676	237	144	178	3130	346	841
11	1500	427	697	1660	558	714	171	134	154	1700	340	764
12	2020	403	669	759	323	489	184	155	174	707	280	423
13	1160	349	570	440	292	347	213	172	198	1090	293	572
14	630	285	444	449	274	333	222	203	211	904	266	449
15	352	261	305	669	285	383	359	221	253	634	200	303
16	585	244	310	1820	382	626	361	229	278	737	199	354
17	452	299	335	5650	404	1140	474	224	298	766	376	610
18	366	274	318	599	133	311	489	208	307	1410	451	861
19	549	289	372	259	201	244	938	213	350	1030	336	508
20	1530	431	834	296	220	241	684	427	557	336	194	231
21	1560	688	1050	330	190	243	1640	462	772	204	179	201
22	1820	877	1320	430	191	234	990	291	460	232	180	214
23	2310	940	1390	267	215	229	---	---	---	220	191	205
24	963	422	678	546	221	325	533	311	408	211	189	198
25	463	342	411	1880	290	434	1750	260	425	417	206	270
26	3140	363	1040	517	268	345	1600	209	463	348	268	302
27	3680	472	1060	2360	356	556	381	206	250	352	212	258
28	1390	600	794	529	278	416	1090	227	469	377	227	287
29	---	---	---	358	268	299	2730	347	1080	893	239	352
30	---	---	---	1450	277	552	1090	291	412	795	188	321
31	---	---	---	475	262	372	---	---	---	206	180	195
MONTH	9880	244	941	5650	133	474	---	---	---	3130	179	409
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	483	181	282	686	467	570	516	206	348	323	220	255
2	4390	228	624	565	339	422	406	194	273	261	214	236
3	1490	236	494	606	342	485	1800	275	882	539	242	311
4	418	241	291	533	287	413	1400	378	720	2490	358	576
5	436	277	323	528	217	357	544	245	397	7360	536	2800
6	843	321	450	486	217	351	4290	261	1010	1340	466	683
7	1380	414	590	390	209	325	1160	239	397	1040	514	696
8	840	230	563	278	211	244	239	181	204	553	398	475
9	249	177	211	665	245	369	411	173	188	586	412	500
10	281	171	178	1390	497	698	859	182	246	693	265	403
11	383	184	226	1300	442	735	711	190	264	2010	236	668
12	731	264	456	522	165	310	3690	188	639	2180	250	502
13	2950	221	594	180	164	173	1650	237	489	3670	264	727
14	1770	221	721	185	167	173	1710	302	535	917	316	512
15	1870	438	692	182	168	174	1440	494	713	2570	401	734
16	1630	416	661	197	166	176	1330	735	909	7470	622	1480
17	3460	428	1120	271	171	205	1490	921	1140	2900	630	1880
18	1110	449	657	406	165	252	2290	894	1420	1720	332	716
19	763	305	510	585	298	450	2230	447	1160	1940	409	898
20	1680	313	692	4400	269	644	8080	631	1600	1180	288	555
21	743	190	434	815	321	536	3110	721	1740	3060	312	877
22	580	172	267	676	296	373	968	699	813	1130	352	649
23	187	173	179	1160	343	723	2350	721	1170	1400	376	712
24	493	181	253	805	338	558	6450	839	1870	595	425	520
25	763	247	468	712	288	469	5850	1260	2080	617	428	489
26	1330	431	697	836	100	358	5520	1000	2210	784	260	423
27	1870	999	1320	458	97	263	4540	1040	1810	3980	263	1540
28	2060	926	1410	324	179	225	2380	1100	1300	7530	1180	4200
29	2590	1300	1620	430	189	253	1320	694	928	1500	541	962
30	1740	672	925	636	193	315	1120	482	665	943	403	588
31	---	---	---	707	199	392	732	300	488	---	---	---
MONTH	4390	171	597	4400	97	387	8080	173	923	7530	214	886

ROANOKE RIVER BASIN

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

SPECIFIC CONDUCTANCE, (MICROSIEMENS/CM AT 25 DEG. C), BOTTOM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	238	214	229	6310	6180	6250	6500	6400	6440	6780	5430	6380
2	283	180	210	6240	6060	6150	6480	3700	5640	6430	650	6100
3	2140	283	1170	6670	6050	6410	4820	2200	3890	6250	1080	2670
4	3770	1730	2620	6640	5160	6170	5420	4280	4920	1080	729	812
5	4950	1120	3710	6290	3610	5730	5420	5280	5340	6350	857	4010
6	10600	4950	7540	5520	5010	5410	5630	5230	5350	6650	4380	6320
7	7850	4520	6960	5500	4820	5110	6050	5500	5730	6390	6030	6180
8	7250	897	6350	5970	4800	5230	5920	5520	5790	6190	5820	6070
9	6440	283	2910	6380	4840	5890	5760	2980	5130	6020	5650	5850
10	5170	246	3460	5910	5600	5790	4100	1010	2230	5670	5410	5530
11	4770	4400	4600	6060	4240	5660	2560	546	1300	5780	5420	5550
12	4750	4430	4590	5410	1830	4040	2260	283	516	5620	5480	5580
13	4670	4510	4610	3610	670	2020	4700	270	3530	5640	1600	3450
14	4630	4540	4600	3950	473	2120	6260	4700	5910	4720	2500	3120
15	4570	4320	4510	4020	3910	3970	6300	5730	6180	5980	4720	5440
16	4500	4370	4450	4020	3770	3930	5970	4800	5530	6650	5830	6320
17	4380	1430	3580	4130	282	3470	5610	5110	5310	7370	6650	7060
18	3990	465	2730	3560	279	782	5850	3620	5200	7370	7080	7260
19	3450	474	1910	5070	286	4060	5310	4560	4790	7290	7040	7210
20	3180	2950	3050	6170	4550	5610	4950	1520	4110	7150	4200	6560
21	4440	2980	3650	5550	4630	5290	5020	4370	4780	6390	5550	5940
22	4820	4440	4650	5840	5150	5410	4540	2700	3930	6490	5700	6200
23	5170	4760	4880	6030	5800	5900	5960	3450	4400	6460	6280	6400
24	5440	5170	5310	6100	5920	6030	6700	5960	6520	6750	5630	6520
25	5890	5440	5650	6070	5900	6010	6640	6420	6550	7160	2320	5750
26	7840	5730	6170	5940	5860	5890	6420	6250	6350	6380	5070	5900
27	7380	4230	5700	5950	5820	5870	6330	5550	6120	6550	6340	6470
28	5530	1520	4490	6120	5930	6080	5930	5320	5600	6740	6440	6580
29	5790	3930	4470	6390	6110	6240	5850	5330	5590	6780	6660	6730
30	6120	5750	5920	6510	6380	6450	6740	5630	6410	6890	6700	6760
31	6340	5950	6170	---	---	---	6820	6620	6740	7480	6780	6990
MONTH	10600	180	4220	6670	279	5100	6820	270	5030	7480	650	5730

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	10300	7450	8710	6060	5110	5700	624	182	293	3220	2570	2790
2	11700	8160	10100	6090	1740	4100	214	192	202	3280	2580	3110
3	10000	8390	9470	5600	891	2880	3940	178	451	2880	963	2250
4	10100	7680	9320	6250	3400	5630	3940	163	513	2380	314	1060
5	9040	8020	8620	6010	5050	5630	187	171	178	370	227	280
6	8570	8070	8410	---	---	---	210	175	186	267	236	248
7	8850	7490	8480	6910	5890	6210	216	171	195	2150	261	794
8	8310	6780	7980	7560	6880	7180	186	162	177	3930	2150	3300
9	8080	7120	7750	7730	7400	7620	1880	164	492	3920	3090	3550
10	7680	7380	7520	7610	6980	7370	2370	168	1590	3960	3310	3770
11	7430	5180	6990	7320	1140	3640	184	148	167	3430	718	2090
12	6680	4460	6090	1560	539	960	202	169	187	2680	421	897
13	6820	4500	6640	631	481	562	234	180	215	3440	2680	3170
14	5980	609	2470	3960	340	2380	1880	217	568	3400	1510	3130
15	4650	371	1810	4830	340	3590	2480	1880	2180	3390	2750	3150
16	5980	4620	5180	6810	4830	6000	3710	2460	2970	3230	2810	3020
17	6390	5800	6170	6820	889	3980	4400	3630	3890	3070	2710	2930
18	6330	5890	6230	1150	268	712	4540	4370	4450	3440	905	2430
19	6330	6040	6230	948	190	257	4650	4450	4580	2990	328	1590
20	6730	6060	6390	3140	221	684	5490	4510	4810	328	195	230
21	8100	6640	7040	3520	193	1730	6810	2730	5270	208	174	199
22	8580	7980	8310	486	194	242	3480	1810	2820	232	175	217
23	8640	2540	6360	861	214	270	---	---	---	222	186	204
24	3140	495	1760	4190	303	3120	918	359	472	1460	186	422
25	4170	475	1900	5400	4120	4640	2610	451	2350	4290	681	3160
26	6180	4170	5500	5580	4880	5370	2520	1790	2220	2560	378	1530
27	6310	3910	6000	5560	2590	5160	2590	2120	2280	3210	1070	2780
28	6160	5580	5920	3790	452	1790	2860	1060	2590	2270	240	939
29	---	---	---	3080	398	1640	3680	2390	3340	819	222	301
30	---	---	---	4350	2660	3980	3500	1480	2650	334	180	216
31	---	---	---	4260	545	3420	---	---	---	223	188	205
MONTH	11700	371	6550	---	---	---	---	---	---	4290	174	1740

ROANOKE RIVER BASIN

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

SPECIFIC CONDUCTANCE, (MICROSIEMENS/CM AT 25 DEG. C), BOTTOM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	5310	189	3800	8680	7610	8250	7660	7080	7410	3860	243	1370
2	5370	5130	5260	8280	7080	7830	7490	7210	7380	3980	3640	3860
3	5370	1160	3570	7720	6930	7380	7390	3020	6510	5860	3960	4390
4	2970	944	1900	7450	6750	7130	6430	1740	5260	7560	5860	6840
5	3670	2960	3330	7240	3680	6770	6190	4240	5290	7980	5850	7510
6	3730	3620	3700	6880	1170	4380	6250	2550	5220	7440	3800	6760
7	3720	769	3380	1250	328	766	2550	228	816	6100	1540	3490
8	827	261	656	4630	328	3530	262	179	210	2390	683	1440
9	275	195	236	5530	4610	5120	3420	172	1500	725	435	542
10	2080	190	900	6570	3230	5930	3680	1340	3300	1450	263	644
11	2880	2080	2540	5630	818	3280	3410	659	2690	4390	256	1920
12	3440	2780	3090	818	166	308	5170	2530	3970	4070	1960	3280
13	4800	3350	4270	221	171	181	5750	4750	5300	5540	3780	4750
14	4730	4230	4630	3150	165	503	6520	5700	6040	6210	5430	5720
15	4670	4190	4480	285	165	182	7200	6430	6830	7710	6210	6600
16	4470	4150	4380	4670	163	2300	7780	7140	7350	8350	7710	8160
17	4290	3290	3970	4750	3860	4640	9160	7780	8440	8360	8260	8320
18	3750	1420	3040	4840	4480	4740	10900	9120	9790	8500	8280	8390
19	3050	749	2350	6720	4710	5570	11200	10700	11000	8380	8320	8360
20	2080	502	1360	7210	1750	6470	11200	9940	11000	8370	7930	8280
21	1460	328	713	6040	821	3740	10800	6170	9650	8220	5670	7840
22	1290	268	746	4180	691	2760	8680	6510	7910	7420	4780	6880
23	1950	176	625	5130	4180	4990	8920	7630	8450	6940	3270	5770
24	6810	1820	5120	6260	5080	5550	8320	7500	8050	5130	541	4400
25	7580	6750	7280	8230	6200	7540	8070	6760	7920	3750	477	1600
26	7580	7490	7550	8250	5200	7790	7700	5720	7070	2940	365	677
27	7580	7080	7310	7620	5200	6760	6120	4320	5630	7320	2940	5020
28	9180	7530	8390	7130	3830	5860	5780	4060	5430	8160	7120	7560
29	9140	7980	8850	6910	5430	6080	6230	5540	5970	7150	2030	5370
30	8970	8070	8630	7260	6830	7070	6220	2710	5660	4080	1180	2290
31	---	---	---	7530	7080	7300	6100	325	1620	---	---	---
MONTH	9180	176	3870	8680	163	4860	11200	172	6090	8500	243	4930

PH, WATER, WHOLE, FIELD, STANDARD UNITS, TOP, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

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

ROANOKE RIVER BASIN

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

PH, WATER, WHOLE, FIELD, STANDARD UNITS, TOP, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7.4	7.1	7.3	7.2	7.0	7.0	6.6	6.4	6.5	7.2	7.1	7.2
2	7.5	7.3	7.4	7.1	6.9	7.1	6.5	6.4	6.5	7.3	7.1	7.2
3	7.4	7.2	7.3	7.1	6.9	7.0	6.4	6.3	6.3	7.3	7.2	7.2
4	7.4	7.1	7.2	7.0	6.9	7.0	6.6	6.2	6.4	7.2	7.1	7.2
5	7.5	7.3	7.4	7.0	6.9	6.9	6.4	6.3	6.3	7.3	7.2	7.2
6	7.7	7.3	7.5	6.9	6.8	6.9	6.3	6.2	6.3	7.2	7.1	7.2
7	7.7	7.3	7.4	6.9	6.8	6.9	6.3	6.2	6.3	7.4	7.2	7.2
8	7.4	7.2	7.3	6.9	6.8	6.8	6.2	6.1	6.2	7.3	7.2	7.3
9	7.5	7.1	7.3	6.9	6.8	6.8	6.1	6.1	6.1	7.6	7.2	7.4
10	7.4	7.2	7.3	6.9	6.8	6.9	6.2	6.1	6.1	7.6	7.1	7.3
11	7.4	7.3	7.3	6.9	6.7	6.8	6.2	6.1	6.2	7.8	7.3	7.4
12	7.5	7.2	7.3	6.8	6.7	6.8	6.2	6.2	6.2	7.4	7.2	7.3
13	7.4	7.2	7.3	6.7	6.7	6.7	6.3	6.2	6.2	7.4	7.2	7.3
14	7.4	7.3	7.4	6.7	6.6	6.7	6.3	6.2	6.2	7.4	7.2	7.3
15	7.3	7.2	7.3	6.7	6.6	6.6	6.3	6.2	6.3	7.3	7.2	7.2
16	7.3	7.2	7.2	6.6	6.5	6.5	6.3	6.2	6.3	7.4	7.2	7.3
17	7.3	7.1	7.2	6.7	6.5	6.6	6.3	6.2	6.3	7.4	7.2	7.3
18	7.1	7.1	7.1	6.5	6.3	6.5	6.3	6.2	6.3	7.4	7.1	7.3
19	7.2	7.0	7.1	6.7	6.5	6.6	6.5	6.2	6.3	7.4	7.1	7.3
20	7.3	7.1	7.2	6.7	6.6	6.7	6.5	6.3	6.4	7.4	7.1	7.3
21	7.3	7.1	7.2	6.8	6.7	6.7	6.6	6.3	6.5	7.2	7.0	7.1
22	7.3	7.1	7.2	6.8	6.7	6.7	6.6	6.3	6.4	7.4	7.1	7.3
23	7.3	7.2	7.2	6.8	6.7	6.7	---	---	---	7.4	7.0	7.2
24	7.2	7.1	7.2	6.8	6.7	6.7	6.6	6.4	6.5	7.4	7.0	7.1
25	7.1	7.0	7.1	6.9	6.7	6.8	7.0	6.5	6.6	7.6	7.0	7.2
26	7.2	7.1	7.1	6.8	6.6	6.7	7.0	6.5	6.7	7.5	7.2	7.3
27	7.2	7.1	7.2	6.9	6.7	6.7	6.8	6.6	6.7	7.9	7.0	7.3
28	7.2	7.1	7.2	6.8	6.6	6.7	7.1	6.7	6.8	7.8	7.1	7.3
29	---	---	---	6.7	6.6	6.6	7.3	6.9	7.1	7.5	6.9	7.2
30	---	---	---	6.9	6.6	6.7	7.2	6.9	7.1	7.9	6.9	7.2
31	---	---	---	6.7	6.6	6.6	---	---	---	7.9	6.9	7.3
MONTH	7.7	7.0	7.3	7.2	6.3	6.8	---	---	---	7.9	6.9	7.3
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.9	7.2	7.4	7.3	6.7	7.0	7.5	6.8	7.0	7.0	7.0	7.0
2	7.6	6.9	7.2	7.2	6.6	6.9	7.6	6.8	7.1	7.1	7.0	7.0
3	7.8	7.1	7.4	7.2	6.7	6.9	7.4	6.8	7.0	7.1	6.9	7.0
4	7.6	6.9	7.2	7.2	6.7	6.9	7.6	7.1	7.3	7.2	6.9	7.1
5	7.3	6.9	7.1	7.1	6.7	6.9	7.7	7.2	7.4	7.3	6.9	7.0
6	7.4	7.0	7.2	7.2	6.6	7.0	7.5	6.8	7.2	7.2	6.9	7.0
7	7.5	7.1	7.2	7.2	6.7	6.9	7.5	7.2	7.3	7.2	7.0	7.1
8	7.5	7.2	7.3	7.0	6.8	6.9	7.9	7.3	7.5	7.2	7.1	7.1
9	7.3	7.0	7.2	7.1	6.8	6.9	7.8	7.1	7.3	7.2	7.1	7.1
10	7.2	6.9	7.0	7.2	6.8	7.0	7.8	7.1	7.4	7.3	7.1	7.2
11	7.4	7.0	7.1	7.2	6.8	7.0	7.9	7.2	7.4	7.2	7.0	7.1
12	7.3	7.0	7.1	7.5	7.0	7.2	7.6	7.0	7.3	7.2	7.0	7.1
13	7.5	6.9	7.1	7.7	6.9	7.3	7.6	7.2	7.4	7.2	7.0	7.1
14	7.5	7.0	7.2	7.7	6.9	7.2	7.6	7.3	7.4	7.3	7.1	7.2
15	7.3	7.0	7.1	7.3	6.8	7.1	7.4	7.3	7.4	7.2	7.0	7.2
16	7.4	6.9	7.0	7.3	6.8	7.0	7.5	7.2	7.4	7.2	6.8	7.1
17	7.8	6.8	7.1	7.4	6.8	7.0	7.6	7.2	7.4	7.2	7.0	7.1
18	7.5	6.9	7.1	7.3	6.8	6.9	7.7	7.2	7.4	7.2	7.0	7.1
19	7.3	6.9	7.0	7.1	6.8	6.9	8.0	7.2	7.4	7.2	7.1	7.1
20	7.5	6.9	7.1	7.6	6.7	7.1	7.5	6.8	7.3	7.3	7.1	7.2
21	7.2	6.9	7.1	7.6	6.8	7.1	7.6	7.0	7.2	7.5	7.1	7.2
22	7.3	7.0	7.1	7.2	6.8	7.0	7.7	7.2	7.4	7.4	7.1	7.3
23	7.2	6.8	7.0	7.1	6.8	6.9	7.5	7.2	7.3	7.4	7.2	7.3
24	7.1	6.8	7.0	7.1	6.9	7.0	7.6	6.9	7.3	7.4	7.3	7.4
25	7.3	7.0	7.1	7.2	6.9	7.0	7.4	6.9	7.2	7.4	7.3	7.4
26	7.3	7.0	7.1	7.2	6.6	6.8	7.4	6.8	7.1	7.5	7.3	7.4
27	7.1	6.9	7.0	6.7	6.6	6.7	7.2	6.8	7.1	7.4	7.3	7.4
28	7.1	6.8	6.9	7.0	6.6	6.8	7.2	6.9	7.1	7.5	7.3	7.4
29	7.1	6.8	6.9	7.4	6.9	7.1	7.1	7.0	7.0	7.5	7.3	7.3
30	7.3	6.8	7.0	7.7	6.9	7.2	7.2	7.0	7.1	7.4	7.2	7.3
31	---	---	---	7.4	6.8	7.0	7.2	7.0	7.1	---	---	---
MONTH	7.9	6.8	7.1	7.7	6.6	7.0	8.0	6.8	7.3	7.5	6.8	7.2

ROANOKE RIVER BASIN

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

PH, WATER, WHOLE, FIELD, STANDARD UNITS, BOTTOM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	7.1	7.0	7.0	6.9	6.8	6.9	7.0	7.0	7.0	7.2	7.1	7.2
2	7.2	7.0	7.1	6.9	6.8	6.9	7.2	7.0	7.1	7.2	7.1	7.1
3	7.2	6.8	7.0	6.9	6.7	6.8	7.2	7.0	7.1	7.5	7.1	7.3
4	7.0	6.8	6.8	6.9	6.7	6.8	7.2	7.1	7.1	7.5	7.2	7.4
5	7.1	6.7	6.7	7.0	6.7	6.8	7.2	7.1	7.1	7.4	7.3	7.3
6	6.7	6.5	6.6	6.8	6.7	6.7	7.2	7.0	7.1	7.4	7.3	7.3
7	6.8	6.5	6.6	6.9	6.7	6.8	7.0	6.9	7.0	7.3	7.2	7.3
8	7.1	6.5	6.6	6.9	6.8	6.8	7.0	6.9	6.9	7.3	7.2	7.2
9	7.2	6.6	6.9	6.9	6.7	6.8	7.1	6.9	6.9	7.3	7.2	7.2
10	7.1	6.6	6.8	6.7	6.7	6.7	7.2	7.0	7.1	7.3	7.2	7.3
11	6.9	6.8	6.9	6.9	6.7	6.8	7.2	7.0	7.1	7.3	7.2	7.3
12	6.9	6.8	6.8	7.0	6.7	6.8	7.1	7.0	7.1	7.3	7.2	7.3
13	6.9	6.7	6.8	7.1	6.8	7.0	7.2	6.9	7.1	7.3	7.2	7.3
14	6.7	6.6	6.7	7.1	6.8	6.9	7.1	7.1	7.1	7.3	7.2	7.2
15	6.6	6.6	6.6	7.0	6.9	7.0	7.1	7.0	7.1	7.4	7.3	7.3
16	6.6	6.6	6.6	7.3	7.0	7.1	7.1	7.0	7.0	7.3	7.2	7.3
17	7.0	6.6	6.7	7.4	7.2	7.2	7.2	6.9	7.0	7.2	7.1	7.2
18	7.1	6.6	6.7	7.5	7.2	7.4	7.2	7.1	7.2	7.2	7.0	7.1
19	7.2	6.7	6.9	7.4	7.1	7.2	7.1	7.1	7.1	7.1	6.9	7.1
20	6.9	6.7	6.8	7.3	7.1	7.2	7.2	7.1	7.1	7.0	7.0	7.0
21	6.9	6.8	6.8	7.2	7.1	7.1	7.1	7.1	7.1	7.0	6.9	7.0
22	6.8	6.7	6.7	7.3	7.1	7.2	7.1	7.0	7.1	7.1	6.9	7.0
23	6.7	6.7	6.7	7.3	7.1	7.2	7.3	7.0	7.2	7.1	7.1	7.1
24	6.7	6.6	6.6	7.1	7.1	7.1	7.3	7.3	7.3	7.2	7.1	7.1
25	6.6	6.5	6.6	7.1	7.0	7.0	7.3	7.2	7.3	7.1	7.0	7.0
26	6.5	6.4	6.5	7.0	7.0	7.0	7.2	7.2	7.2	7.0	6.9	6.9
27	6.7	6.5	6.6	7.0	6.9	7.0	7.2	7.1	7.1	6.9	6.9	6.9
28	7.1	6.6	6.7	7.0	7.0	7.0	7.4	7.1	7.2	6.9	6.9	6.9
29	7.0	6.6	6.7	7.0	6.9	7.0	7.4	7.3	7.4	6.9	6.9	6.9
30	7.0	7.0	7.0	7.0	7.0	7.0	7.4	7.2	7.3	6.9	6.8	6.9
31	7.0	6.9	6.9	---	---	---	7.3	7.2	7.2	7.0	6.8	6.9
MONTH	7.2	6.4	6.8	7.5	6.7	7.0	7.4	6.9	7.1	7.5	6.8	7.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	6.9	6.6	6.8	7.2	7.1	7.1	6.9	6.8	6.8	7.0	6.8	6.9
2	6.9	6.7	6.8	7.3	7.2	7.3	6.8	6.8	6.8	6.9	6.8	6.9
3	6.7	6.7	6.7	7.4	7.2	7.3	6.9	6.6	6.7	7.0	6.8	6.9
4	6.9	6.7	6.8	7.3	7.2	7.3	6.9	6.6	6.7	7.1	6.8	7.0
5	6.8	6.7	6.8	7.2	7.1	7.2	6.7	6.7	6.7	7.2	7.0	7.1
6	7.1	6.7	7.0	---	---	---	6.7	6.6	6.7	7.0	6.9	7.0
7	7.1	6.9	7.0	7.3	7.2	7.3	6.7	6.6	6.6	7.1	6.9	7.0
8	7.0	6.9	6.9	7.2	7.1	7.1	6.6	6.5	6.5	7.0	6.9	6.9
9	6.9	6.8	6.9	7.1	7.0	7.1	6.8	6.4	6.5	6.9	6.8	6.9
10	6.9	6.8	6.9	7.1	6.9	7.0	6.9	6.5	6.8	6.9	6.8	6.9
11	6.9	6.8	6.9	7.1	6.9	7.0	6.6	6.5	6.5	7.3	6.8	7.0
12	7.1	6.8	6.9	7.1	7.0	7.0	6.6	6.5	6.6	7.3	7.0	7.2
13	7.1	7.0	7.1	7.0	6.8	6.9	6.6	6.5	6.6	7.0	7.0	7.0
14	7.1	6.9	7.0	6.9	6.8	6.8	6.7	6.6	6.6	7.1	6.9	7.0
15	6.9	6.8	6.9	6.9	6.7	6.8	6.8	6.7	6.8	7.0	6.8	6.9
16	6.9	6.8	6.9	6.8	6.7	6.8	6.8	6.8	6.8	7.0	6.8	6.9
17	6.9	6.8	6.8	6.8	6.7	6.7	6.8	6.7	6.8	7.1	6.9	7.0
18	6.8	6.7	6.8	6.9	6.6	6.7	6.7	6.7	6.7	7.2	7.0	7.1
19	6.8	6.7	6.7	6.9	6.7	6.8	6.7	6.7	6.7	7.3	7.0	7.2
20	6.9	6.7	6.8	6.9	6.8	6.9	6.7	6.6	6.6	7.3	7.1	7.2
21	6.9	6.8	6.9	7.0	6.9	6.9	6.8	6.5	6.6	7.2	7.1	7.2
22	6.8	6.8	6.8	7.0	6.9	6.9	6.8	6.7	6.7	7.3	7.1	7.2
23	7.0	6.7	6.8	7.0	6.8	6.9	---	---	---	7.2	7.0	7.1
24	7.0	6.9	6.9	7.1	6.9	7.0	7.0	6.9	6.9	7.2	7.0	7.1
25	7.0	6.8	6.9	7.1	7.0	7.1	7.0	6.8	6.9	7.3	7.0	7.0
26	7.3	6.8	7.0	7.0	7.0	7.0	7.0	6.9	6.9	7.3	7.0	7.1
27	7.3	7.2	7.2	7.0	6.8	6.9	7.0	6.9	6.9	7.2	6.9	7.1
28	7.2	7.1	7.1	7.0	6.8	6.9	7.1	7.0	7.0	7.4	7.0	7.1
29	---	---	---	6.9	6.8	6.8	7.1	7.0	7.1	7.4	7.2	7.3
30	---	---	---	7.1	6.8	7.0	7.0	6.9	7.0	7.4	7.1	7.2
31	---	---	---	7.0	6.9	7.0	---	---	---	7.5	7.1	7.3
MONTH	7.3	6.6	6.9	---	---	---	---	---	---	7.5	6.8	7.1

ROANOKE RIVER BASIN

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

PH, WATER, WHOLE, FIELD, STANDARD UNITS, BOTTOM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	7.5	6.9	7.0	6.4	6.3	6.4	6.4	6.4	6.4	7.1	6.8	7.0
2	6.9	6.8	6.9	6.4	6.3	6.4	6.4	6.4	6.4	6.8	6.8	6.8
3	7.2	6.8	6.9	6.4	6.4	6.4	6.7	6.4	6.5	6.8	6.7	6.8
4	7.2	6.9	7.0	6.4	6.4	6.4	6.8	6.4	6.5	6.7	6.7	6.7
5	7.0	6.9	7.0	6.7	6.4	6.4	6.6	6.4	6.5	6.8	6.7	6.7
6	7.1	7.0	7.1	7.0	6.4	6.6	6.8	6.5	6.5	6.8	6.6	6.7
7	7.5	7.0	7.1	7.1	6.9	7.0	7.5	6.8	7.1	7.0	6.7	6.8
8	7.6	7.4	7.4	7.1	6.6	6.6	7.4	7.1	7.2	7.1	6.8	6.9
9	7.5	7.2	7.3	6.6	6.5	6.6	7.4	6.7	7.0	7.2	7.0	7.1
10	7.4	7.1	7.2	6.9	6.5	6.6	6.9	6.8	6.8	7.3	6.9	7.1
11	7.2	7.0	7.1	7.2	6.6	6.8	7.1	6.7	6.8	7.2	6.9	7.0
12	7.1	7.0	7.0	7.3	7.1	7.2	6.8	6.7	6.8	6.9	6.6	6.8
13	7.1	6.8	6.9	7.3	7.0	7.1	6.8	6.7	6.7	6.8	6.5	6.6
14	6.9	6.6	6.7	7.3	6.7	7.1	6.7	6.6	6.6	6.7	6.5	6.6
15	6.7	6.6	6.6	7.3	7.1	7.2	6.6	6.5	6.6	6.6	6.4	6.5
16	6.6	6.6	6.6	7.1	6.7	6.9	6.7	6.5	6.6	6.5	6.4	6.5
17	6.7	6.6	6.6	6.8	6.7	6.7	6.7	6.6	6.6	6.4	6.4	6.4
18	7.0	6.6	6.7	6.7	6.6	6.7	6.7	6.6	6.6	6.4	6.4	6.4
19	7.1	6.7	6.8	6.6	6.5	6.6	6.6	6.6	6.6	6.4	6.4	6.4
20	7.3	6.9	7.0	7.0	6.5	6.5	6.6	6.6	6.6	6.6	6.4	6.5
21	7.3	6.9	7.1	7.1	6.5	6.7	6.8	6.6	6.6	6.8	6.6	6.6
22	7.2	6.9	7.0	7.1	6.6	6.8	6.8	6.6	6.7	6.8	6.6	6.6
23	7.1	6.8	7.0	6.7	6.6	6.7	6.8	6.7	6.7	7.0	6.6	6.7
24	6.8	6.6	6.7	6.7	6.6	6.7	6.8	6.7	6.7	7.4	6.8	6.8
25	6.7	6.6	6.6	6.7	6.5	6.5	6.7	6.6	6.7	7.4	6.8	7.1
26	6.6	6.5	6.6	6.6	6.3	6.4	6.7	6.5	6.6	7.4	7.1	7.3
27	6.5	6.5	6.5	6.5	6.4	6.4	6.7	6.6	6.6	7.1	7.0	7.1
28	6.5	6.4	6.5	6.7	6.4	6.5	6.8	6.6	6.7	7.0	7.0	7.0
29	6.4	6.4	6.4	6.5	6.4	6.5	6.8	6.7	6.7	7.1	6.9	7.0
30	6.4	6.3	6.4	6.5	6.4	6.5	6.8	6.6	6.7	7.1	6.9	7.1
31	---	---	---	6.4	6.4	6.4	7.1	6.6	7.0	---	---	---
MONTH	7.6	6.3	6.9	7.3	6.3	6.7	7.5	6.4	6.7	7.4	6.4	6.8

WATER TEMPERATURE, DEGREES CELSIUS, TOP, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	21.3	20.7	20.9	18.5	17.3	17.7	16.7	15.6	16.1	9.4	8.2	8.8
2	20.8	19.4	20.2	18.7	17.1	18.0	16.2	15.4	15.9	8.5	7.1	7.7
3	22.0	19.3	20.5	19.2	17.2	18.3	15.7	14.9	15.2	7.5	6.1	6.7
4	23.2	20.6	21.7	18.6	16.6	17.8	15.6	15.1	15.3	6.8	6.0	6.4
5	22.6	21.1	21.8	18.1	16.6	17.4	16.2	15.1	15.6	6.2	5.4	5.9
6	22.0	20.1	21.4	16.8	15.8	16.2	16.6	15.7	16.1	6.3	4.6	5.5
7	21.3	20.4	20.9	16.3	15.1	15.6	16.7	15.4	16.3	6.7	5.6	6.0
8	20.8	19.5	20.0	16.1	14.8	15.5	17.2	16.0	16.6	6.1	5.0	5.7
9	20.0	19.2	19.6	16.1	14.5	15.5	16.8	15.3	16.2	6.0	5.3	5.6
10	20.7	19.5	20.0	15.8	15.2	15.4	15.4	14.7	15.0	6.8	5.4	6.0
11	20.4	19.5	19.7	15.6	14.7	15.1	15.3	14.8	15.2	6.4	5.8	6.1
12	20.5	20.0	20.2	15.6	14.9	15.2	15.1	14.9	15.0	6.4	5.2	6.0
13	20.8	20.3	20.5	15.2	14.6	14.9	15.2	14.8	15.0	6.5	5.8	6.1
14	21.4	20.6	20.9	15.2	14.6	14.8	15.4	14.6	15.0	6.8	5.8	6.2
15	21.1	20.1	20.8	15.0	14.6	14.8	15.3	14.7	15.1	7.7	6.5	7.0
16	21.6	20.6	21.1	15.1	14.3	14.7	14.7	14.1	14.4	7.1	6.5	6.8
17	20.9	19.3	19.8	14.9	14.4	14.6	14.9	13.9	14.4	7.4	6.6	6.9
18	19.3	18.5	18.9	14.9	14.3	14.6	15.0	14.3	14.7	7.7	7.0	7.3
19	20.1	18.4	18.9	15.5	14.5	14.8	14.7	13.9	14.3	7.6	7.1	7.3
20	19.5	18.9	19.1	15.0	14.1	14.7	14.3	12.9	13.8	7.5	7.1	7.2
21	20.7	19.4	19.8	14.2	13.5	13.9	13.0	12.1	12.6	7.3	7.1	7.2
22	20.3	19.5	19.9	14.1	13.2	13.6	12.6	11.4	11.7	7.6	6.9	7.2
23	21.5	19.8	20.3	13.6	13.1	13.3	12.1	10.8	11.6	7.6	7.1	7.3
24	22.0	20.5	21.2	14.2	13.5	13.8	12.9	12.0	12.4	9.1	7.5	8.2
25	21.7	20.8	21.1	14.5	13.4	14.1	12.7	11.6	12.1	9.1	7.9	8.5
26	20.8	19.0	19.9	15.1	14.0	14.4	12.1	11.1	11.6	8.5	7.9	8.1
27	19.0	17.9	18.4	15.6	14.2	14.6	11.1	10.2	10.7	8.8	7.8	8.2
28	17.9	16.7	17.3	15.9	14.8	15.3	10.2	9.2	9.7	8.7	8.1	8.4
29	16.9	16.5	16.6	16.2	15.1	15.7	10.4	9.2	9.8	10.8	8.6	9.5
30	17.1	16.1	16.4	16.0	15.3	15.6	10.3	8.7	9.5	11.8	9.5	10.4
31	17.9	16.8	17.1	---	---	---	9.1	8.2	8.6	12.5	10.6	11.4
MONTH	23.2	16.1	19.8	19.2	13.1	15.3	17.2	8.2	13.7	12.5	4.6	7.3

ROANOKE RIVER BASIN

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

WATER TEMPERATURE, DEGREES CELSIUS, TOP, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	12.8	10.7	11.9	10.8	9.4	10.1	16.9	16.0	16.3	22.2	21.1	21.6
2	12.2	10.6	11.8	11.0	9.6	10.6	17.8	16.4	17.0	23.4	21.6	22.2
3	12.5	11.5	12.0	11.9	10.9	11.3	18.5	17.3	17.8	23.1	21.8	22.6
4	11.5	10.3	11.2	11.7	10.1	11.3	17.9	17.0	17.3	22.3	21.2	21.7
5	10.4	8.6	9.5	11.2	9.9	10.5	17.2	16.4	16.8	21.2	20.5	20.7
6	10.3	8.0	9.3	11.3	9.9	10.5	16.8	16.0	16.6	22.0	20.4	20.9
7	10.7	7.5	9.9	12.1	10.5	11.1	17.9	15.7	16.1	23.5	21.2	22.0
8	10.5	9.8	10.1	12.1	10.8	11.2	17.0	15.5	16.2	23.4	22.0	22.5
9	10.9	9.8	10.4	13.1	11.5	12.4	17.3	15.8	16.7	25.5	22.7	24.3
10	11.2	10.5	10.8	13.4	12.4	12.9	17.4	17.0	17.3	25.3	21.4	23.4
11	10.8	10.1	10.6	13.0	12.0	12.5	17.9	16.5	17.1	25.9	23.5	24.1
12	10.4	9.6	10.0	12.7	12.0	12.4	18.7	17.2	17.7	25.3	23.4	24.0
13	10.1	9.3	9.7	13.2	12.3	12.6	18.8	17.6	18.2	24.5	23.4	24.0
14	10.1	9.1	9.5	14.2	12.5	13.2	19.9	18.3	19.0	24.8	23.5	24.0
15	10.6	8.9	9.5	15.2	13.5	14.2	21.2	19.0	19.7	23.7	22.7	23.2
16	11.2	9.9	10.3	16.4	14.3	15.2	23.2	19.8	20.6	24.3	23.0	23.7
17	10.7	10.1	10.4	16.1	13.5	15.2	24.0	20.3	21.6	24.6	22.9	23.7
18	10.4	9.5	9.9	15.2	14.6	14.9	23.7	21.3	21.9	24.3	22.9	23.7
19	10.9	9.6	10.1	15.1	14.5	14.7	23.9	21.2	22.9	23.0	22.5	22.7
20	10.9	9.9	10.4	15.7	14.3	15.0	24.2	22.3	23.0	22.9	21.7	22.3
21	12.5	10.7	11.4	15.5	14.9	15.2	23.8	21.2	23.0	22.9	21.5	22.1
22	11.7	10.8	11.1	15.1	14.1	14.5	23.6	22.5	23.2	22.0	21.0	21.5
23	11.1	10.4	10.8	14.9	13.9	14.3	---	---	---	23.0	20.7	21.7
24	10.9	10.0	10.4	15.6	13.6	14.4	23.0	21.7	22.2	24.0	21.3	22.3
25	12.5	10.1	10.8	16.8	14.4	15.3	22.7	20.6	22.3	23.6	21.6	22.4
26	11.7	10.4	11.0	16.1	14.8	15.5	23.5	20.9	22.1	24.7	22.7	23.5
27	11.9	10.7	11.4	15.8	14.6	15.5	22.6	21.9	22.2	24.6	22.6	23.3
28	10.9	9.4	10.3	15.7	14.6	15.0	22.9	21.4	22.1	24.7	23.0	23.8
29	---	---	---	16.1	14.5	15.2	23.4	21.1	22.0	25.2	23.9	24.4
30	---	---	---	16.2	15.2	15.6	23.5	21.6	22.3	25.6	23.9	24.6
31	---	---	---	16.3	15.8	16.1	---	---	---	26.7	24.4	25.2
MONTH	12.8	7.5	10.5	16.8	9.4	13.5	---	---	---	26.7	20.4	23.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	27.4	25.1	25.9	28.9	28.2	28.5	31.3	29.9	30.4	27.2	26.9	27.0
2	27.5	25.2	26.4	29.5	28.5	29.0	31.1	30.1	30.6	27.1	26.4	26.7
3	27.6	26.2	26.8	30.1	28.3	28.9	30.8	29.6	30.2	27.1	26.3	26.6
4	28.5	26.6	27.3	30.6	28.6	29.4	31.6	30.2	30.6	28.4	25.9	27.2
5	27.9	26.6	27.1	30.4	29.0	29.5	31.3	30.1	30.6	27.7	25.7	26.8
6	28.4	26.6	27.5	30.2	29.1	29.6	31.0	29.3	30.2	27.6	26.1	26.8
7	27.6	26.0	27.3	30.4	29.1	29.6	29.8	29.0	29.3	26.9	26.1	26.5
8	26.6	25.0	25.8	30.3	28.9	29.4	29.2	28.4	28.8	26.8	26.0	26.4
9	26.8	25.3	25.9	30.5	28.5	29.4	29.1	28.2	28.6	26.5	25.9	26.1
10	26.6	25.7	26.1	30.1	28.6	29.2	29.0	28.0	28.4	26.2	25.7	25.9
11	28.2	25.9	26.6	29.2	28.0	28.7	29.1	28.0	28.4	26.4	25.3	25.9
12	27.8	26.0	26.9	28.4	27.4	27.9	29.1	27.2	28.3	26.1	25.2	25.6
13	29.4	25.9	27.6	28.7	27.2	28.0	29.2	27.9	28.5	26.4	25.2	25.6
14	28.6	26.8	27.7	28.3	27.4	27.8	29.2	28.0	28.6	26.5	25.8	26.2
15	28.7	27.0	27.7	28.5	27.4	27.8	28.8	27.9	28.4	27.1	25.8	26.5
16	28.8	27.1	27.8	28.4	27.9	28.1	29.4	28.0	28.6	26.8	25.2	26.3
17	28.3	26.6	27.6	29.9	28.3	28.7	29.9	28.1	28.8	27.1	25.9	26.2
18	27.8	27.3	27.5	30.3	28.6	29.2	30.4	28.2	29.0	27.0	25.9	26.4
19	27.6	26.9	27.1	30.4	28.7	29.5	30.6	29.0	29.4	26.3	25.8	26.1
20	27.5	26.5	27.1	30.1	27.9	29.3	30.0	28.0	29.2	26.7	26.2	26.5
21	27.2	26.4	26.8	29.9	29.1	29.4	30.0	28.6	29.4	27.2	26.1	26.6
22	27.8	26.4	27.0	30.5	28.9	29.5	30.5	29.0	29.4	27.1	26.1	26.5
23	28.4	26.7	27.4	29.6	29.0	29.4	30.1	28.8	29.2	27.1	26.1	26.5
24	29.9	27.0	28.1	29.9	29.0	29.4	31.0	28.7	29.8	26.4	25.6	26.0
25	30.0	27.4	28.6	29.5	28.9	29.1	30.5	29.0	29.7	26.2	25.6	25.9
26	29.3	27.8	28.6	29.2	28.7	28.9	30.5	28.8	29.7	26.0	25.3	25.7
27	28.4	27.7	28.0	29.6	28.6	29.0	29.2	28.5	28.9	26.2	24.5	25.6
28	28.7	27.4	28.0	30.4	28.6	29.3	29.0	28.5	28.7	25.9	25.1	25.5
29	28.7	27.5	28.0	31.4	29.1	29.9	28.8	28.4	28.6	26.1	25.2	25.7
30	29.0	28.1	28.4	31.1	29.7	30.2	28.5	27.7	28.0	26.2	25.1	25.5
31	---	---	---	31.1	29.8	30.3	27.7	27.1	27.3	---	---	---
MONTH	30.0	25.0	27.3	31.4	27.2	29.1	31.6	27.1	29.1	28.4	24.5	26.2

ROANOKE RIVER BASIN

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

WATER TEMPERATURE, DEGREES CELSIUS, BOTTOM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	21.4	20.4	20.8	14.3	14.0	14.2	14.8	14.3	14.5	9.1	8.8	9.0
2	20.7	18.6	19.6	15.0	14.3	14.6	15.3	14.6	14.9	9.2	9.0	9.1
3	19.1	18.5	18.7	15.3	14.8	15.2	15.3	15.1	15.2	9.2	6.1	7.2
4	19.9	19.0	19.1	15.9	15.3	15.5	15.2	14.7	15.0	6.5	5.8	6.2
5	20.9	19.2	19.4	16.5	15.5	15.8	14.8	14.8	14.8	6.2	4.0	4.9
6	20.3	19.6	19.8	16.1	15.9	16.0	14.8	14.7	14.7	4.7	4.0	4.3
7	20.5	20.2	20.3	16.1	14.9	15.7	14.9	14.7	14.8	4.9	4.4	4.7
8	20.5	19.8	20.4	15.2	14.3	14.6	15.1	14.9	15.0	5.1	4.8	5.0
9	20.4	19.5	20.0	14.7	14.2	14.4	15.7	15.0	15.2	5.2	4.5	4.9
10	20.0	18.0	19.0	14.5	14.4	14.5	15.7	15.1	15.5	4.9	4.5	4.7
11	18.0	17.6	17.9	14.8	14.4	14.5	15.4	14.6	15.2	5.2	4.9	5.0
12	18.0	17.5	17.7	15.4	14.6	15.0	15.2	14.9	15.0	5.3	5.1	5.2
13	17.7	17.4	17.5	15.3	14.7	15.1	15.0	13.8	14.2	5.8	5.3	5.6
14	18.0	17.6	17.8	15.1	13.5	14.3	13.9	13.8	13.8	6.5	5.7	6.0
15	18.7	18.0	18.3	13.6	13.1	13.3	14.1	13.8	14.0	6.5	6.3	6.4
16	18.7	18.5	18.6	13.6	13.1	13.4	14.3	14.1	14.2	6.4	6.2	6.3
17	20.1	18.7	19.2	14.5	13.1	13.4	14.3	13.7	14.1	6.5	6.3	6.4
18	19.4	18.8	19.2	14.7	13.6	14.2	14.1	13.7	13.8	6.6	6.4	6.5
19	19.3	18.2	18.9	14.7	13.6	13.8	14.0	13.9	14.0	6.7	6.5	6.6
20	19.2	18.2	18.5	14.2	14.0	14.0	14.2	13.8	14.0	7.1	6.7	6.8
21	18.3	17.7	17.9	14.2	14.1	14.1	13.9	13.7	13.8	7.2	6.9	7.0
22	17.7	17.6	17.6	14.2	12.8	13.3	13.8	13.1	13.6	7.1	6.9	7.0
23	17.8	17.6	17.7	12.9	12.9	12.9	13.7	10.2	12.1	7.1	6.9	7.0
24	18.1	17.8	17.9	13.0	12.9	13.0	10.7	10.2	10.6	7.3	6.8	7.0
25	18.3	18.1	18.2	13.2	13.0	13.1	10.8	10.7	10.8	8.0	7.1	7.5
26	18.7	18.2	18.3	13.3	13.2	13.3	11.0	10.8	10.9	8.3	7.7	7.9
27	18.9	18.7	18.8	13.6	13.3	13.4	11.1	10.6	11.0	8.6	8.2	8.5
28	18.8	17.4	18.5	14.0	13.6	13.9	11.1	8.7	10.1	8.7	8.6	8.6
29	18.6	14.0	17.5	14.2	14.0	14.2	8.7	8.4	8.5	8.7	8.7	8.7
30	14.0	13.8	13.9	14.3	14.2	14.3	8.7	8.4	8.6	8.8	8.7	8.8
31	14.1	13.9	14.0	---	---	---	8.8	8.7	8.8	8.9	8.8	8.8
MONTH	21.4	13.8	18.4	16.5	12.8	14.2	15.7	8.4	13.2	9.2	4.0	6.7
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	10.0	8.5	8.9	10.7	9.7	10.4	16.4	15.9	16.1	21.0	20.1	20.7
2	10.4	9.9	10.2	10.7	9.2	10.0	17.7	16.3	16.9	20.7	19.9	20.1
3	10.4	10.2	10.2	10.9	9.3	10.2	18.2	16.4	17.6	21.9	20.3	21.0
4	10.3	9.9	10.1	10.3	9.3	9.5	17.8	16.4	17.2	21.8	20.9	21.3
5	10.3	10.0	10.1	9.9	9.5	9.7	17.0	16.3	16.7	21.1	20.3	20.6
6	10.1	7.1	8.0	---	---	---	16.8	15.9	16.5	20.6	20.1	20.4
7	8.0	7.2	7.4	9.2	8.9	9.0	16.4	15.6	15.8	21.4	19.5	20.4
8	8.5	7.6	7.9	9.3	9.2	9.2	16.5	15.5	15.9	19.9	19.5	19.6
9	8.2	7.8	7.9	9.3	9.2	9.2	16.7	15.0	16.0	20.0	19.6	19.7
10	8.0	7.7	7.9	9.9	9.2	9.5	17.2	14.6	15.5	20.9	19.7	20.3
11	8.9	7.8	8.1	12.4	9.6	11.4	17.6	16.5	16.9	23.8	20.8	22.2
12	9.2	8.4	8.8	12.6	12.2	12.5	17.6	17.2	17.3	23.5	22.7	23.2
13	9.4	9.0	9.1	12.6	12.3	12.4	18.3	17.3	17.7	23.1	22.6	22.8
14	9.5	9.2	9.4	13.4	12.1	12.3	18.6	17.0	18.0	23.5	22.9	23.1
15	9.4	9.0	9.2	13.4	12.2	12.5	17.0	16.8	16.9	23.3	23.0	23.2
16	9.1	8.8	9.0	13.2	12.7	13.0	16.9	16.8	16.8	23.3	22.0	22.8
17	8.9	8.8	8.8	15.3	12.9	14.0	16.9	16.8	16.8	22.4	21.9	22.1
18	9.1	8.8	8.9	15.3	14.7	15.0	17.0	16.9	16.9	23.7	22.2	22.7
19	9.0	8.7	8.9	14.9	14.4	14.7	17.3	17.0	17.1	23.1	22.2	22.6
20	8.8	8.5	8.6	15.2	13.8	14.6	17.6	17.3	17.4	22.6	21.5	22.0
21	9.6	8.6	9.1	15.3	13.6	14.4	20.5	17.1	18.1	22.4	21.4	21.7
22	9.6	9.5	9.5	15.1	14.0	14.4	21.5	19.5	20.3	21.9	20.8	21.3
23	10.6	9.6	10.0	14.5	13.6	14.0	---	---	---	21.6	20.5	21.0
24	10.7	10.4	10.6	14.2	12.0	12.7	22.1	21.6	21.8	21.4	19.9	21.0
25	10.5	9.7	10.2	12.4	11.9	12.1	21.7	19.8	20.2	22.1	19.2	19.6
26	9.9	9.5	9.7	12.5	12.3	12.4	20.7	19.9	20.2	22.6	20.8	21.4
27	10.9	9.9	10.4	14.1	12.5	12.8	20.3	19.7	20.1	21.8	20.8	21.0
28	10.6	10.6	10.6	14.7	13.7	14.4	21.5	19.8	20.1	23.8	21.4	22.3
29	---	---	---	14.7	13.9	14.3	21.1	20.5	20.8	25.0	23.6	23.9
30	---	---	---	14.1	13.8	14.0	21.5	20.8	21.1	24.3	23.6	23.9
31	---	---	---	16.0	14.0	14.5	---	---	---	25.1	24.0	24.4
MONTH	10.9	7.1	9.2	---	---	---	---	---	---	25.1	19.2	21.7

ROANOKE RIVER BASIN

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

WATER TEMPERATURE, DEGREES CELSIUS, BOTTOM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	25.3	24.5	24.9	26.3	26.0	26.1	28.0	27.8	27.9	27.2	25.7	26.5
2	25.0	24.6	24.7	26.5	26.0	26.2	28.2	28.0	28.0	25.8	25.5	25.7
3	26.2	24.9	25.3	26.5	26.1	26.3	29.5	28.0	28.5	25.5	25.1	25.3
4	26.3	25.6	25.8	26.6	26.2	26.4	30.0	28.7	29.0	25.3	25.1	25.2
5	25.8	25.7	25.7	27.6	26.2	26.5	29.4	28.6	29.0	25.9	25.3	25.5
6	25.7	25.5	25.6	28.8	26.5	27.5	29.6	28.6	29.2	26.0	25.6	25.7
7	26.4	25.5	25.7	29.1	28.8	28.9	29.6	28.9	29.3	26.2	25.8	26.1
8	26.4	24.9	25.7	29.1	28.0	28.4	29.2	28.1	28.6	26.5	26.0	26.1
9	25.9	25.1	25.5	28.5	28.1	28.2	29.0	26.4	27.7	26.5	25.8	26.0
10	25.8	23.7	25.0	28.7	27.8	28.0	27.7	26.4	26.5	26.2	25.7	25.8
11	23.7	23.5	23.6	28.8	28.0	28.4	28.3	26.6	27.0	26.2	25.0	25.6
12	24.2	23.5	23.8	28.1	27.3	27.6	27.1	26.7	26.7	25.4	25.1	25.2
13	25.0	24.1	24.5	27.7	27.1	27.4	26.8	26.3	26.6	25.3	24.7	24.8
14	25.0	24.6	24.8	27.7	26.6	27.4	26.5	26.3	26.4	25.0	24.8	24.9
15	25.4	24.9	25.1	27.9	27.4	27.6	26.5	26.3	26.4	24.9	24.7	24.7
16	25.9	25.0	25.3	27.9	26.3	27.0	26.6	26.5	26.5	25.1	24.9	25.0
17	26.3	25.5	26.0	26.6	26.3	26.3	27.0	26.6	26.8	25.2	25.1	25.2
18	26.7	26.0	26.2	26.5	26.3	26.4	27.1	26.9	27.0	25.3	25.1	25.2
19	27.0	26.1	26.4	27.0	26.5	26.6	26.9	26.8	26.8	25.3	25.2	25.2
20	27.1	26.2	26.7	28.7	26.5	26.8	27.4	26.8	26.9	25.3	25.1	25.2
21	27.0	26.2	26.6	28.9	27.0	27.9	28.0	27.0	27.3	25.7	25.1	25.2
22	26.9	26.1	26.4	29.0	27.9	28.3	27.9	27.5	27.6	25.6	25.3	25.4
23	26.8	26.0	26.5	28.2	28.0	28.2	28.0	27.4	27.6	25.9	25.4	25.6
24	26.1	25.4	25.6	28.6	28.1	28.3	28.1	27.7	27.8	26.1	25.6	25.7
25	25.5	25.4	25.5	28.4	27.8	28.0	28.5	27.9	28.1	26.2	25.2	25.7
26	25.7	25.4	25.5	28.3	27.7	27.9	28.7	28.1	28.3	25.7	24.7	25.3
27	26.3	25.7	26.0	28.3	27.9	28.0	28.7	28.0	28.4	24.7	24.2	24.3
28	26.2	25.9	26.1	28.4	27.9	28.0	28.6	27.5	28.0	25.2	24.6	25.0
29	26.1	25.9	26.0	28.1	27.7	27.9	27.8	27.2	27.4	25.4	25.1	25.2
30	26.1	25.9	26.0	27.8	27.7	27.7	28.1	27.2	27.4	25.4	25.3	25.4
31	---	---	---	27.9	27.7	27.8	27.8	26.9	27.3	---	---	---
MONTH	27.1	23.5	25.6	29.1	26.0	27.5	30.0	26.3	27.6	27.2	24.2	25.4

OXYGEN DISSOLVED (MG/L), TOP, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	7.1	6.3	6.6	7.3	5.2	6.5	7.7	7.3	7.5	9.9	8.3	9.3
2	7.2	6.2	6.6	7.2	6.2	6.6	7.6	6.9	7.3	10.3	9.4	10.1
3	7.5	6.1	6.8	6.8	5.6	6.1	7.8	7.4	7.6	10.6	9.9	10.4
4	6.9	5.4	6.1	7.0	5.0	6.1	7.6	6.5	7.1	10.8	10.4	10.6
5	7.0	5.7	6.2	7.6	6.1	6.7	7.2	6.7	7.0	11.2	10.6	10.9
6	6.7	4.0	6.1	7.5	6.4	6.8	7.0	6.3	6.6	12.3	10.6	11.2
7	6.7	5.8	6.2	7.6	6.4	6.9	7.2	6.2	6.4	11.4	10.6	11.1
8	7.8	5.9	6.6	7.6	6.7	7.0	6.7	5.6	6.3	11.6	11.1	11.3
9	7.1	6.0	6.4	7.9	6.4	7.1	7.7	6.5	7.0	11.6	11.3	11.4
10	6.6	5.9	6.3	---	---	---	7.2	6.6	6.9	11.6	11.2	11.4
11	7.3	5.7	6.1	---	---	---	7.1	6.4	6.6	12.2	11.3	11.8
12	6.7	6.0	6.4	---	---	---	7.0	6.4	6.7	12.2	11.6	12.0
13	7.1	6.0	6.5	---	---	---	7.0	6.4	6.6	12.1	11.4	11.8
14	7.2	5.8	6.6	---	---	---	7.3	6.5	6.9	12.1	11.4	11.7
15	6.7	5.2	6.3	---	---	---	7.6	7.1	7.3	11.7	10.5	11.1
16	7.6	5.7	6.7	---	---	---	7.7	7.3	7.5	11.3	10.4	10.9
17	7.3	6.0	6.6	8.7	8.2	8.5	7.6	7.1	7.4	10.6	10.2	10.4
18	7.5	6.7	7.2	8.5	7.9	8.3	8.2	7.3	7.7	10.6	10.2	10.4
19	7.7	6.9	7.2	8.6	7.7	8.1	8.1	7.1	7.4	10.8	10.1	10.5
20	7.4	6.5	7.1	9.1	8.2	8.5	8.1	7.2	7.5	10.6	10.2	10.5
21	7.4	6.5	6.8	8.4	7.6	8.0	8.3	7.8	8.0	10.5	10.2	10.4
22	7.1	6.1	6.6	8.6	8.0	8.2	8.2	7.8	8.0	10.5	10.2	10.4
23	6.6	6.0	6.3	8.5	7.4	8.1	8.3	7.7	7.9	10.6	10.4	10.5
24	6.5	5.8	6.2	8.8	7.4	8.4	8.3	6.8	7.8	10.6	10.3	10.5
25	6.4	5.9	6.1	8.6	7.6	8.1	8.0	6.7	7.5	10.6	10.2	10.4
26	6.7	5.7	6.3	8.1	7.1	7.6	8.7	6.8	7.8	10.4	10.1	10.3
27	6.8	5.8	6.2	8.1	7.0	7.6	9.3	8.5	8.9	10.2	9.6	9.9
28	7.0	6.1	6.4	8.0	7.6	7.7	9.8	9.1	9.4	9.6	9.3	9.5
29	6.8	6.2	6.5	7.9	7.3	7.6	9.8	8.9	9.3	9.4	9.3	9.3
30	7.2	6.1	6.6	7.9	7.4	7.7	9.8	8.1	9.1	9.5	9.1	9.2
31	6.8	5.8	6.3	---	---	---	10.2	8.9	9.6	9.3	8.8	9.0
MONTH	7.8	4.0	6.5	---	---	---	10.2	5.6	7.6	12.3	8.3	10.6

ROANOKE RIVER BASIN

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

OXYGEN DISSOLVED (MG/L), TOP, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	9.4	8.5	9.1	10.3	9.7	10.1	7.6	7.0	7.3	5.7	5.2	5.4
2	9.3	8.5	9.0	10.4	9.2	10.0	7.3	6.8	7.1	6.9	5.4	6.0
3	9.5	8.8	9.2	10.1	9.5	9.8	6.8	6.2	6.4	6.9	4.9	5.7
4	9.9	9.2	9.6	10.0	9.3	9.5	7.2	6.4	6.7	5.8	5.2	5.5
5	10.3	9.2	9.8	9.9	9.3	9.6	6.9	6.3	6.6	6.2	5.5	5.8
6	10.4	8.7	9.4	10.0	9.5	9.8	6.6	5.8	6.0	5.8	5.3	5.5
7	10.6	7.4	8.5	10.0	9.6	9.7	6.2	5.4	5.7	6.7	5.4	5.9
8	9.2	8.5	8.9	9.7	9.3	9.5	5.7	4.8	5.2	6.2	4.7	5.7
9	9.3	7.8	8.8	9.7	9.4	9.6	5.3	4.8	5.1	7.5	4.7	6.4
10	9.2	8.7	9.1	10.0	9.5	9.7	6.0	5.0	5.4	7.7	5.2	5.9
11	9.8	9.1	9.4	10.1	9.5	9.9	6.6	5.0	5.7	8.2	5.3	6.5
12	9.9	9.3	9.6	10.0	9.3	9.6	6.6	5.1	5.5	6.3	5.2	5.6
13	10.0	9.6	9.8	9.4	8.8	9.2	5.5	4.8	5.2	5.9	5.2	5.5
14	10.4	9.6	10.0	9.1	8.4	8.6	4.9	4.1	4.4	5.9	5.1	5.5
15	10.0	9.6	9.8	8.6	8.3	8.4	4.3	3.0	3.7	5.8	4.8	5.2
16	9.7	9.3	9.5	8.8	8.3	8.6	3.9	2.4	3.2	6.5	5.5	6.1
17	9.3	9.1	9.2	9.0	7.7	8.4	4.5	2.8	3.4	6.9	5.7	6.1
18	9.4	9.1	9.3	7.9	7.2	7.7	5.1	3.3	4.0	6.9	4.3	6.1
19	9.5	9.2	9.3	7.7	7.2	7.4	5.4	3.6	4.5	6.5	3.6	5.3
20	9.5	9.0	9.2	7.8	7.2	7.5	5.4	3.5	4.3	6.8	4.2	5.5
21	9.7	9.2	9.4	7.8	7.2	7.6	5.2	3.4	4.3	6.7	3.6	5.2
22	9.4	8.5	9.0	8.2	7.3	7.8	5.6	3.7	4.7	7.3	4.5	6.3
23	9.8	8.3	9.3	8.0	7.5	7.7	---	---	---	7.7	3.8	5.7
24	10.1	9.6	9.7	8.0	7.7	7.8	4.9	3.7	4.3	7.6	3.8	5.5
25	9.7	9.2	9.5	8.3	7.6	7.8	5.3	4.3	4.7	7.9	4.4	5.8
26	10.2	9.5	9.8	8.2	7.3	7.8	5.5	4.1	4.7	7.0	3.9	5.2
27	10.3	9.2	9.7	8.4	8.0	8.2	5.6	4.2	4.8	8.6	3.3	6.0
28	10.2	9.8	10.0	8.4	7.8	8.0	5.8	4.8	5.1	8.5	3.3	6.0
29	---	---	---	8.2	7.8	8.0	6.4	4.7	5.4	7.4	2.4	5.7
30	---	---	---	8.2	7.6	7.9	6.1	4.5	5.4	8.6	2.8	5.6
31	---	---	---	7.8	7.1	7.4	---	---	---	8.4	2.5	6.3
MONTH	10.6	7.4	9.4	10.4	7.1	8.7	---	---	---	8.6	2.4	5.8
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	8.3	4.7	6.5	7.0	2.7	5.2	7.7	5.0	5.9	4.6	4.0	4.2
2	7.7	1.9	5.2	6.8	1.3	4.5	8.2	5.0	6.4	4.7	4.0	4.2
3	7.8	3.8	6.1	6.2	1.7	4.4	6.8	2.9	4.8	4.6	3.7	4.2
4	7.3	1.2	4.1	6.8	2.0	4.9	6.7	5.3	5.8	5.1	3.7	4.6
5	5.9	0.9	3.7	6.5	3.4	4.8	6.8	4.4	5.6	5.5	4.3	4.6
6	6.3	2.0	4.3	6.2	1.8	5.2	6.1	1.8	4.9	5.9	3.9	4.8
7	6.6	3.0	4.8	6.4	2.2	4.6	6.0	4.2	5.0	6.0	4.7	5.3
8	6.5	4.2	5.5	5.7	2.7	4.1	7.4	4.9	5.7	6.0	5.0	5.4
9	6.3	2.4	4.6	5.8	2.0	4.0	7.7	5.1	5.8	5.8	4.9	5.3
10	5.6	1.6	3.5	6.3	2.2	4.3	7.8	5.4	6.2	6.4	5.3	5.7
11	6.1	2.2	4.1	5.7	1.9	4.3	7.9	5.5	6.4	6.0	4.9	5.3
12	5.5	2.3	4.0	6.8	4.0	5.5	7.3	4.5	6.1	6.2	5.0	5.5
13	6.8	0.7	3.1	7.5	2.5	5.5	7.0	5.6	6.3	6.2	4.7	5.5
14	6.8	3.0	5.0	7.4	2.9	4.9	6.9	5.7	6.2	6.3	5.0	5.5
15	6.1	2.4	4.6	6.0	1.8	4.1	6.3	5.6	6.0	6.4	5.4	5.9
16	7.1	1.0	4.0	6.0	1.1	3.3	6.5	5.5	5.9	6.3	4.7	5.7
17	8.2	1.8	4.7	6.5	0.4	3.1	6.6	5.3	5.8	6.3	4.0	4.9
18	7.5	1.7	4.5	5.9	0.5	2.6	6.8	5.0	5.7	6.3	4.5	5.6
19	6.4	1.5	3.9	4.8	1.3	2.7	7.0	4.3	5.6	6.3	3.9	5.2
20	7.2	3.2	4.8	6.6	1.5	4.3	6.4	3.2	5.4	6.3	4.4	5.6
21	6.3	3.3	4.9	6.9	1.6	4.2	6.8	3.5	5.2	7.1	4.0	5.5
22	6.7	4.0	5.2	5.3	2.2	3.8	7.5	5.3	6.1	6.8	3.5	5.4
23	6.1	1.6	4.3	4.7	1.4	3.3	6.7	5.0	5.8	6.4	3.4	5.1
24	5.2	0.9	3.8	4.5	2.0	3.3	6.8	3.8	5.5	6.0	5.0	5.4
25	6.4	3.7	4.9	5.2	2.4	3.8	6.3	3.8	5.2	5.7	5.0	5.3
26	6.5	3.7	5.1	6.1	2.8	4.7	6.3	1.4	4.8	5.5	4.7	5.1
27	5.5	3.1	4.3	6.1	4.9	5.4	5.4	2.2	4.5	5.6	4.9	5.3
28	6.2	1.8	4.7	6.6	4.9	5.6	5.0	3.0	4.2	5.9	5.2	5.5
29	6.1	3.7	5.1	7.8	5.2	6.2	4.5	3.2	3.8	5.8	4.4	4.9
30	7.2	3.7	5.7	8.5	5.3	6.5	4.6	3.6	4.3	5.6	4.3	5.1
31	---	---	---	7.5	4.6	6.0	4.7	4.1	4.3	---	---	---
MONTH	8.3	0.7	4.6	8.5	0.4	4.5	8.2	1.4	5.5	7.1	3.4	5.2

ROANOKE RIVER BASIN

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

OXYGEN DISSOLVED (MG/L), BOTTOM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	6.3	5.7	6.1	8.5	8.1	8.3	---	---	---	11.0	10.3	10.7
2	7.4	5.8	6.7	9.0	7.9	8.3	---	---	---	10.6	10.1	10.3
3	7.5	6.9	7.3	8.8	8.4	8.6	---	---	---	11.4	9.9	10.9
4	7.1	6.3	6.8	8.4	7.2	7.9	---	---	---	11.4	11.0	11.2
5	6.3	5.4	5.9	7.6	6.6	7.1	---	---	---	13.4	11.0	12.5
6	5.4	3.0	4.2	6.6	6.0	6.3	---	---	---	13.6	12.8	13.4
7	4.9	3.1	3.6	7.7	5.7	6.5	---	---	---	13.3	13.0	13.2
8	6.3	2.8	3.3	8.3	7.3	7.9	---	---	---	13.1	12.8	12.9
9	6.7	2.9	4.8	8.2	7.7	8.0	---	---	---	13.5	12.7	13.0
10	6.7	3.6	5.8	7.7	7.2	7.4	---	---	---	13.5	13.1	13.4
11	7.3	6.4	6.8	8.5	7.3	8.0	---	---	---	14.0	13.1	13.4
12	8.1	6.4	7.1	7.5	6.1	6.6	---	---	---	13.8	13.4	13.5
13	7.5	6.6	7.0	7.3	5.9	6.5	---	---	---	13.5	12.5	12.9
14	6.6	5.3	6.0	8.4	6.2	7.3	---	---	---	13.5	12.4	12.8
15	5.7	5.2	5.4	8.9	8.3	8.6	---	---	---	13.7	13.4	13.6
16	5.3	4.9	5.1	---	---	---	---	---	---	13.7	12.9	13.5
17	6.3	4.7	5.1	---	---	---	---	---	---	13.1	12.6	12.8
18	7.4	4.5	5.2	---	---	---	9.3	8.4	9.0	12.9	12.4	12.6
19	7.4	3.9	5.7	---	---	---	8.8	8.4	8.6	12.6	12.1	12.3
20	6.9	4.5	6.0	---	---	---	8.9	8.0	8.5	12.1	11.0	11.6
21	6.7	6.2	6.4	---	---	---	8.8	8.3	8.6	11.5	10.6	11.0
22	6.3	5.7	6.0	---	---	---	8.5	7.9	8.2	11.7	10.6	11.2
23	5.9	5.5	5.7	---	---	---	10.7	7.7	9.1	11.9	11.5	11.7
24	5.9	5.3	5.5	---	---	---	10.8	10.6	10.7	12.3	11.6	12.0
25	5.9	4.0	4.8	---	---	---	10.7	10.4	10.6	11.7	11.0	11.4
26	4.1	3.1	3.7	---	---	---	10.4	10.1	10.3	11.2	10.5	10.9
27	4.8	3.3	3.9	---	---	---	10.2	9.9	10.1	11.1	10.7	10.9
28	7.1	3.3	4.0	---	---	---	11.1	9.8	10.5	10.8	10.5	10.7
29	8.8	3.3	4.8	---	---	---	11.5	11.1	11.3	10.6	10.4	10.5
30	9.2	8.7	9.0	---	---	---	11.4	11.0	11.2	10.5	10.3	10.4
31	9.0	8.5	8.7	---	---	---	11.1	10.8	11.0	11.2	10.2	10.5
MONTH	9.2	2.8	5.7	---	---	---	---	---	---	14.0	9.9	12.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	11.2	7.9	10.0	---	---	---	7.8	7.2	7.5	7.2	5.6	6.2
2	10.1	8.6	9.2	---	---	---	7.7	7.3	7.5	7.1	6.0	6.8
3	8.9	8.2	8.5	---	---	---	7.9	6.6	7.0	6.7	5.2	6.0
4	10.0	8.2	9.1	---	---	---	7.9	6.9	7.2	6.4	4.8	5.7
5	9.5	8.8	9.2	---	---	---	7.4	7.0	7.2	6.7	6.1	6.4
6	12.4	8.1	11.0	---	---	---	7.4	6.7	6.9	6.3	5.3	5.8
7	11.9	10.8	11.5	10.1	9.5	9.7	7.1	6.2	6.6	7.0	4.9	5.9
8	11.2	9.8	10.7	9.9	9.2	9.5	6.6	6.1	6.3	7.0	6.3	6.8
9	11.1	10.2	10.4	9.6	9.1	9.4	7.3	5.8	6.3	6.5	5.8	6.2
10	11.4	10.1	10.5	9.3	8.7	9.0	7.6	6.3	7.2	6.2	5.4	5.7
11	10.9	9.9	10.5	8.8	8.1	8.4	6.9	6.1	6.5	7.1	5.1	5.8
12	11.6	9.4	10.2	9.3	7.8	8.4	6.9	5.9	6.3	6.7	5.4	5.9
13	11.6	10.2	11.3	8.8	8.0	8.3	5.9	4.9	5.3	6.2	5.7	5.9
14	10.8	9.6	10.1	8.4	7.3	7.8	5.7	4.3	4.9	6.1	5.2	5.7
15	10.7	9.6	10.4	8.4	7.3	7.7	6.6	5.6	6.1	5.4	4.4	5.0
16	11.0	10.4	10.7	8.9	7.5	8.5	6.6	6.2	6.4	6.1	4.1	4.8
17	10.8	10.4	10.6	8.7	7.1	7.9	6.4	6.1	6.2	7.0	6.0	6.5
18	10.5	9.9	10.2	7.6	6.5	7.1	6.2	5.8	6.0	7.7	6.8	7.1
19	10.4	9.7	9.9	8.0	6.0	7.6	5.9	5.2	5.6	7.5	6.3	6.8
20	11.1	10.0	10.8	8.3	7.4	7.8	5.2	4.1	4.7	7.1	6.1	6.5
21	10.9	10.6	10.8	8.2	7.4	7.9	4.3	3.1	3.8	7.4	6.3	6.7
22	10.6	10.2	10.4	8.6	7.6	8.1	3.4	2.1	2.6	7.7	6.6	7.0
23	10.4	9.0	9.7	8.2	7.6	7.9	---	---	---	7.5	6.3	6.8
24	10.7	8.7	9.5	9.3	7.9	8.9	5.0	3.2	4.0	7.2	6.5	6.9
25	10.6	9.6	10.1	9.3	9.1	9.2	6.1	2.7	4.9	8.0	6.5	7.6
26	---	---	---	9.2	8.7	8.9	6.1	4.5	5.1	6.7	5.8	6.4
27	---	---	---	8.8	7.2	8.3	6.5	4.3	5.2	7.5	5.6	6.9
28	---	---	---	7.6	6.8	7.1	6.9	5.5	6.4	7.1	5.4	6.0
29	---	---	---	7.6	6.5	7.1	7.5	5.9	6.9	7.5	6.3	6.8
30	---	---	---	9.1	6.8	8.4	6.9	5.4	6.0	7.5	6.3	6.9
31	---	---	---	8.8	6.7	8.2	---	---	---	7.8	6.3	6.9
MONTH	---	---	---	---	---	---	---	---	---	8.0	4.1	6.3

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

OXYGEN DISSOLVED (MG/L), BOTTOM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.8	4.6	5.5	2.2	1.7	2.0	0.6	0.1	0.3	5.4	4.5	5.0
2	4.9	4.2	4.6	2.0	1.4	1.6	0.1	0.1	0.1	5.4	4.2	4.8
3	5.5	3.8	4.4	1.7	1.2	1.4	2.1	0.1	0.4	5.3	4.6	5.1
4	5.6	3.7	4.4	2.0	1.0	1.3	2.9	0.1	0.6	5.1	4.1	4.7
5	5.5	4.2	5.0	2.8	0.7	1.4	1.2	0.1	0.3	5.3	4.0	4.8
6	5.7	5.3	5.5	4.3	1.3	2.5	3.3	0.1	0.6	4.0	3.3	3.7
7	7.2	4.4	5.3	5.1	3.8	4.4	5.5	2.8	4.1	4.1	2.9	3.5
8	7.7	6.0	6.7	4.9	1.9	2.7	6.0	4.0	4.8	5.1	2.9	4.0
9	7.4	5.8	6.5	3.0	2.5	2.7	5.9	4.0	4.9	6.3	4.8	5.3
10	7.3	5.1	6.1	4.5	2.4	2.7	5.0	4.2	4.6	6.1	4.8	5.6
11	5.6	5.1	5.3	5.1	2.5	3.5	5.7	3.8	4.4	5.2	4.4	4.8
12	5.7	4.7	5.1	6.7	5.1	5.7	4.8	4.1	4.4	---	---	---
13	5.8	4.2	5.0	6.5	5.4	5.9	4.6	3.4	3.9	---	---	---
14	4.7	3.3	4.3	6.6	3.8	5.8	3.5	2.9	3.1	---	---	---
15	4.3	3.7	4.0	6.5	5.5	5.9	3.0	2.7	2.8	---	---	---
16	3.9	3.1	3.5	5.8	4.3	4.9	3.9	2.4	3.2	---	---	---
17	4.4	3.3	3.8	4.8	3.9	4.3	3.4	2.2	2.8	---	---	---
18	4.5	3.2	3.6	4.0	3.3	3.7	2.6	1.4	2.1	---	---	---
19	6.5	2.4	3.6	3.5	2.8	3.0	1.4	1.1	1.2	---	---	---
20	6.7	5.0	6.1	4.9	2.7	3.1	1.5	0.9	1.0	---	---	---
21	7.3	5.9	6.5	4.8	2.6	3.5	2.1	0.8	1.1	3.0	1.6	2.0
22	6.9	5.7	6.3	5.0	2.7	3.3	1.8	0.9	1.1	2.2	1.4	1.8
23	6.1	4.9	5.6	4.2	2.9	3.8	2.4	0.8	1.2	2.4	1.2	1.6
24	5.5	4.7	5.1	4.0	3.1	3.6	2.3	1.0	1.6	5.9	0.9	1.6
25	5.3	4.6	5.0	3.9	1.9	2.5	2.2	0.9	1.2	6.6	1.8	4.6
26	5.0	4.1	4.6	2.2	1.0	1.5	2.1	1.4	1.6	6.6	5.0	5.7
27	4.1	3.5	3.8	2.2	0.8	1.2	3.7	0.8	1.7	6.4	5.7	6.1
28	4.2	3.1	3.8	2.8	0.8	1.4	4.6	1.6	3.0	6.0	5.4	5.8
29	3.6	2.6	3.0	1.7	1.2	1.4	4.7	4.0	4.3	5.4	4.0	4.6
30	2.7	2.0	2.4	1.4	0.8	1.1	4.2	2.5	3.3	4.5	3.5	4.0
31	---	---	---	0.8	0.6	0.7	5.5	2.3	4.4	---	---	---
MONTH	7.8	2.0	4.8	6.7	0.6	3.0	6.0	0.1	2.4	---	---	---

OXYGEN DISSOLVED (% OF SATURATION), TOP, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	80	71	74	78	54	69	79	75	76	85	72	80
2	79	68	73	77	66	70	78	70	74	87	80	85
3	83	69	76	73	59	65	79	74	76	87	83	85
4	79	61	70	75	52	65	76	65	71	87	85	86
5	81	64	71	79	64	70	74	67	71	89	86	87
6	76	44	69	76	66	69	71	64	67	95	85	89
7	75	66	69	76	64	69	73	64	66	92	86	89
8	86	66	73	76	67	71	69	57	65	93	88	91
9	78	66	70	80	65	72	78	67	71	93	90	91
10	73	64	69	---	---	---	72	66	68	94	90	92
11	81	62	66	---	---	---	70	63	66	98	92	95
12	74	66	70	---	---	---	69	64	67	99	93	97
13	79	67	72	---	---	---	69	63	66	98	92	95
14	82	65	74	---	---	---	73	65	69	97	93	95
15	76	59	71	---	---	---	75	70	73	96	86	92
16	87	64	76	---	---	---	76	72	73	92	85	90
17	82	66	72	86	81	84	75	69	73	89	83	86
18	81	73	78	84	78	82	81	73	76	88	84	87
19	84	74	78	85	76	81	80	69	72	89	84	87
20	80	71	77	89	81	84	77	70	73	88	85	87
21	82	70	75	82	73	77	78	74	75	87	84	86
22	78	67	72	83	77	79	76	71	74	88	84	86
23	75	66	69	81	71	77	78	71	73	89	86	87
24	74	66	70	85	71	81	77	64	73	92	87	89
25	72	66	69	83	73	79	75	62	70	91	88	89
26	74	62	69	81	69	75	79	63	72	89	86	87
27	73	63	66	82	69	75	83	77	80	86	82	84
28	72	64	67	79	76	77	86	80	83	83	80	81
29	70	64	67	81	73	77	86	80	82	85	80	82
30	75	63	68	80	75	77	84	72	79	87	80	83
31	72	61	65	---	---	---	87	78	83	85	81	83
MONTH	87	44	71	---	---	---	87	57	73	99	72	88

ROANOKE RIVER BASIN

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

OXYGEN DISSOLVED (% OF SATURATION), TOP, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	87	77	84	92	87	90	79	72	75	65	59	62
2	87	78	83	93	83	90	76	71	74	80	61	69
3	88	82	85	92	88	90	72	66	68	80	57	66
4	91	83	88	89	85	87	76	67	70	66	59	62
5	90	82	86	91	83	86	72	65	68	69	62	65
6	88	78	83	91	84	88	69	59	62	67	59	62
7	89	66	75	91	87	89	63	54	58	79	61	67
8	82	76	79	90	85	87	58	49	53	73	55	65
9	84	69	79	93	87	90	55	49	53	92	54	77
10	84	78	82	96	90	92	62	52	56	93	58	69
11	89	82	84	95	89	93	70	52	60	101	62	78
12	89	83	85	93	87	90	69	54	58	77	61	67
13	88	84	86	88	82	86	59	52	55	71	62	66
14	91	85	87	86	79	82	53	45	48	72	60	66
15	88	85	86	86	80	83	47	33	41	68	57	61
16	86	83	85	89	82	86	44	27	36	78	64	72
17	84	81	82	88	77	84	51	31	39	83	67	73
18	84	82	83	79	71	76	60	38	46	83	51	72
19	86	81	83	76	71	74	64	42	53	76	42	61
20	86	80	83	77	71	74	63	41	50	80	48	63
21	90	84	87	78	72	76	62	40	51	76	41	60
22	86	77	82	81	73	77	66	42	55	84	50	72
23	88	75	84	79	73	76	---	---	---	90	42	66
24	91	85	87	79	75	77	58	43	50	88	43	63
25	91	82	86	81	75	78	60	49	54	93	51	67
26	93	86	89	83	72	79	64	48	54	82	45	62
27	94	85	89	85	80	82	65	48	56	104	38	70
28	92	86	90	84	77	79	67	55	59	102	39	72
29	---	---	---	83	77	80	72	54	62	90	28	69
30	---	---	---	83	76	79	72	51	62	105	33	67
31	---	---	---	79	72	76	---	---	---	105	31	77
MONTH	94	66	84	96	71	83	---	---	---	105	28	67
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	105	57	80	92	35	67	104	66	78	58	50	54
2	98	24	65	89	17	59	110	66	85	59	50	53
3	98	48	77	82	22	57	90	38	64	58	46	53
4	92	15	52	90	26	65	90	70	77	66	46	58
5	75	12	47	87	44	64	93	59	75	70	53	58
6	82	25	54	82	24	68	82	24	65	75	49	60
7	83	38	60	86	29	61	80	55	66	75	58	67
8	81	52	68	76	35	54	97	63	74	75	62	67
9	79	29	57	76	26	53	100	65	75	71	61	66
10	70	20	43	83	29	57	101	69	80	78	66	71
11	77	27	51	74	24	55	103	71	82	74	61	65
12	69	28	50	88	51	70	95	57	78	77	62	68
13	89	9	40	97	32	70	92	72	81	78	58	67
14	89	39	64	95	37	62	91	73	81	79	61	68
15	79	31	59	77	23	52	81	72	78	80	66	74
16	91	13	51	78	14	43	85	71	76	78	58	71
17	105	23	60	85	5	41	87	68	75	79	50	61
18	96	21	57	77	7	34	91	64	74	79	55	69
19	82	19	49	64	17	36	94	56	74	79	48	65
20	91	40	60	88	20	56	85	41	71	79	55	70
21	80	41	61	92	22	55	89	45	68	89	50	69
22	85	51	65	71	29	50	100	69	80	85	43	68
23	79	20	55	61	19	43	88	66	76	81	42	64
24	67	11	49	59	27	43	92	49	73	75	62	67
25	83	49	64	68	32	49	84	50	68	70	62	65
26	84	47	66	79	36	61	84	19	63	67	58	63
27	71	39	56	81	63	71	70	28	58	69	60	65
28	80	23	60	88	63	74	65	39	54	73	64	67
29	80	47	65	104	68	82	59	41	49	71	54	60
30	94	48	74	114	70	87	59	46	56	70	53	62
31	---	---	---	100	61	80	59	52	55	---	---	---
MONTH	105	9	59	114	5	59	110	19	71	89	42	64

ROANOKE RIVER BASIN

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

OXYGEN DISSOLVED (% OF SATURATION), BOTTOM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	72	64	68	83	79	81	---	---	---	95	89	92
2	79	65	73	89	78	82	---	---	---	92	88	90
3	80	75	78	88	83	85	---	---	---	93	86	90
4	77	68	73	84	73	79	---	---	---	92	89	90
5	70	59	64	76	67	72	---	---	---	102	89	97
6	59	33	46	67	61	64	---	---	---	105	100	103
7	54	34	40	76	58	65	---	---	---	103	102	103
8	69	31	37	81	73	78	---	---	---	102	100	101
9	73	32	53	80	76	78	---	---	---	105	100	102
10	71	40	62	76	71	73	---	---	---	105	103	104
11	76	67	72	83	71	79	---	---	---	110	102	105
12	85	68	74	74	61	66	---	---	---	109	106	107
13	78	69	74	72	59	65	---	---	---	107	100	103
14	69	56	63	81	62	72	---	---	---	110	99	103
15	61	55	57	85	80	82	---	---	---	111	109	110
16	57	53	55	---	---	---	---	---	---	112	105	109
17	70	51	56	---	---	---	---	---	---	106	103	104
18	80	49	57	---	---	---	90	82	87	105	101	103
19	80	42	61	---	---	---	86	82	84	103	99	101
20	73	49	65	---	---	---	86	78	82	99	91	96
21	71	66	68	---	---	---	85	81	83	95	87	91
22	66	60	63	---	---	---	82	75	79	97	87	93
23	62	58	60	---	---	---	96	74	85	98	95	97
24	63	56	58	---	---	---	97	95	96	101	96	99
25	63	42	51	---	---	---	96	94	95	98	93	96
26	43	33	39	---	---	---	94	92	93	94	88	92
27	52	35	42	---	---	---	93	90	91	95	92	93
28	74	35	43	---	---	---	97	89	93	93	90	92
29	86	35	49	---	---	---	98	95	97	92	90	90
30	89	85	87	---	---	---	97	94	96	90	89	90
31	87	83	85	---	---	---	95	94	95	96	88	91
MONTH	89	31	60	---	---	---	---	---	---	112	86	98
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	97	68	86	---	---	---	79	74	76	80	63	69
2	90	77	82	---	---	---	80	75	77	78	67	75
3	79	73	76	---	---	---	81	70	73	75	60	68
4	89	73	81	---	---	---	81	71	75	73	54	65
5	85	79	82	---	---	---	77	73	75	75	69	71
6	102	72	93	---	---	---	76	69	71	71	59	65
7	99	91	96	88	83	84	71	63	66	77	54	66
8	94	84	90	86	80	83	66	61	63	77	69	74
9	93	87	88	83	80	82	72	60	64	71	63	68
10	95	85	89	81	77	79	75	65	72	68	60	64
11	92	85	89	81	75	77	72	63	67	84	57	67
12	101	81	88	87	73	79	72	62	66	79	64	69
13	100	90	98	82	75	78	62	51	56	72	66	68
14	94	84	88	81	68	73	59	46	52	71	61	66
15	93	84	91	81	68	72	69	58	63	64	52	59
16	95	91	93	85	71	81	68	64	67	70	48	56
17	93	90	91	83	70	77	66	63	64	81	68	74
18	90	86	88	75	65	71	64	60	62	89	78	82
19	89	84	86	79	59	75	61	54	58	87	73	79
20	95	87	92	81	73	76	54	43	49	83	71	75
21	96	91	93	79	72	77	45	33	40	84	71	76
22	93	89	91	83	76	80	38	23	28	88	74	80
23	91	81	86	80	74	77	---	---	---	86	71	76
24	96	78	86	87	77	84	57	37	46	82	74	78
25	95	86	90	87	85	86	67	30	55	87	74	83
26	---	---	---	86	82	83	68	50	56	77	66	73
27	---	---	---	83	70	79	71	47	57	84	63	77
28	---	---	---	75	66	69	76	63	71	84	62	69
29	---	---	---	75	64	69	84	67	77	90	76	81
30	---	---	---	89	66	82	77	60	67	89	74	82
31	---	---	---	86	67	80	---	---	---	96	75	83
MONTH	---	---	---	---	---	---	---	---	---	96	48	72

ROANOKE RIVER BASIN

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

OXYGEN DISSOLVED (% OF SATURATION), BOTTOM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN				
		JUNE				JULY				AUGUST				SEPTEMBER		
1	95	56	66	28	21	25	8	2	4	67	57	62				
2	60	50	56	24	17	20	2	1	1	66	52	59				
3	68	47	54	21	14	17	27	1	5	65	56	62				
4	69	45	54	25	12	17	39	1	8	62	50	57				
5	68	52	61	36	9	17	16	1	4	66	49	59				
6	70	65	68	56	16	33	44	1	8	50	41	45				
7	89	54	65	67	50	58	72	37	53	51	35	43				
8	96	73	82	64	25	35	78	52	62	63	36	49				
9	91	71	80	39	32	35	76	50	62	78	59	66				
10	90	62	74	58	30	35	63	52	57	75	59	69				
11	66	60	63	66	33	45	73	47	55	64	54	59				
12	68	55	60	86	65	73	60	51	55	---	---	---				
13	69	51	60	83	69	75	57	42	49	---	---	---				
14	57	40	53	84	47	74	43	36	39	---	---	---				
15	53	45	49	83	70	75	37	33	35	---	---	---				
16	48	38	43	74	53	62	49	30	40	---	---	---				
17	55	41	47	60	49	54	42	27	35	---	---	---				
18	56	39	44	50	41	46	33	17	27	---	---	---				
19	81	29	45	44	35	38	17	13	15	---	---	---				
20	84	62	76	63	33	39	19	11	13	---	---	---				
21	92	74	81	62	33	45	27	10	14	37	20	25				
22	87	71	78	65	35	43	23	11	14	27	17	22				
23	76	61	70	54	37	49	31	10	15	30	15	20				
24	68	58	63	52	40	46	29	12	20	73	11	20				
25	65	57	62	51	24	32	28	11	15	81	22	57				
26	61	50	57	28	12	19	27	18	21	80	61	70				
27	51	43	47	28	10	15	48	11	22	77	68	73				
28	52	38	47	36	10	18	59	21	38	73	66	70				
29	44	33	37	22	15	18	59	50	54	66	49	56				
30	33	25	29	18	10	14	52	31	42	55	43	49				
31	---	---	---	10	7	9	69	29	55	---	---	---				
MONTH	96	25	59	86	7	38	78	1	30	---	---	---				