02084909 SEVENMILE CREEK NEAR EFLAND, NC

LOCATION.--Lat 36°03'56", long 79°08'39", Orange County, Hydrologic Unit 03020201, at upstream side of culvert on I-85, 1 mi upstream from mouth, and 1.5 mi southeast of Efland.

DRAINAGE AREA.--14.1 mi^2.

PERIOD OF RECORD.--July 1981 to July 1982, June 1987 to September 2004 (discontinued).

REVISED RECORDS.--WRD NC-96-1: 1988-95(M).

GAGE.--Water-stage recorder. Elevation of gage is 560 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor. Maximum discharge for period of record from rating curve extended above 1,000 ft^3/s, on the basis of computation of peak flow through culvert; maximum gage height 15.47 ft, from floodmark. No flow occurs periodically most years.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	1.7	1.2	2.4	14	16	47	4.4	0.76	1.6	42	22
2	3.3	1.5	1.2	2.0	11	14	22	24	0.60	0.86	32	8.9
3	3.3	1.0	0.98	2.1	88	19	14	58	0.56	3.2	84	2.8
4	3.3	1.2	1.1	2.0	49	12	9.9	37	5.0	58	27	0.75
5	3.3	1.5	5.2	2.6	26	7.3	6.9	29	6.6	15	13	0.28
6	3.3	2.7	5.0	4.8	22	8.7	4.5	25	1.5	4.2	8.4	14
7	3.1	2.7	3.4	2.5	75	11	4.1	19	0.83	1.4	3.2	39
8	3.1	2.6	2.4	1.9	29	7.9	3.4	15	0.72	0.63	1.4	177
9	3.6	2.3	1.8	2.9	18	6.4	2.8	12	0.62	0.45	0.98	37
10	3.9	2.0	39	4.0	13	5.9	2.1	10	0.58	0.40	0.74	6.9
11	4.5	1.7	124	3.3	11	4.5	2.2	7.7	0.80	1.7	0.53	2.1
12	4.5	1.6	24	3.2	14	3.7	11	6.0	4.7	3.5	0.74	0.87
13	4.1	2.6	13	3.7	20	3.3	28	5.5	2.2	0.43	1.7	0.48
14	5.5	2.6	105	3.4	12	2.8	33	5.8	0.91	0.34	63	0.35
15	26	2.4	50	3.4	9.9	4.8	18	5.6	0.69	0.29	30	1.2
16	6.0	2.2	19	3.0	17	12	9.8	4.0	0.70	0.28	16	0.57
17	2.4	1.9	23	1.9	16	30	6.5	3.2	0.61	0.27	23	43
18	2.4	1.6	23	4.8	11	16	4.7	1.9	0.62	0.42	82	58
19	2.6	9.3	11	7.1	12	16	3.2	1.9	0.56	0.31	19	13
20	2.6	8.2	6.3	4.9	9.1	9.6	2.7	2.3	0.55	26	7.9	2.7
21	3.2	0.99	3.8	3.9	9.1	7.6	2.2	2.0	0.47	2.8	4.4	0.93
22	3.3	0.47	2.9	4.1	6.0	5.9	2.4	1.6	0.41	0.60	9.0	0.42
23	3.3	0.68	2.3	4.1	4.7	4.2	1.3	1.3	0.66	0.53	4.5	0.27
24	3.0	0.82	3.4	4.5	5.2	3.4	1.1	1.2	5.3	0.49	2.2	0.41
25	2.7	1.1	4.0	5.3	5.3	3.0	1.5	0.88	1.9	1.1	1.7	0.60
26	3.2	1.0	3.7	5.4	6.5	2.8	2.7	0.76	9.3	0.56	1.3	0.61
27	3.6	0.98	3.3	5.1	9.8	2.7	5.1	0.74	8.1	2.0	1.2	0.99
28	4.6	1.4	3.1	4.9	14	3.0	4.1	0.69	2.0	22	1.2	11
29	25	7.1	2.8	5.6	25	2.9	3.2	0.66	34	62	1.2	6.0
30	6.4	2.0	3.4	12	---	3.1	2.9	0.74	7.8	62	230	2.0
31	2.6	---	2.8	22	---	5.3	---	0.79	---	21	70	---
TOTAL	155.0	69.84	495.08	142.8	562.6	254.8	262.3	288.66	100.05	294.36	783.29	454.13
MEAN	5.00	2.33	16.0	4.61	19.4	8.22	8.74	9.31	3.33	9.50	25.3	15.1
MAX	26	9.3	124	22	88	30	47	58	34	62	230	177
MIN	2.4	0.47	0.98	1.9	4.7	2.7	1.1	0.66	0.41	0.27	0.53	0.27
CFSM	0.35	0.17	1.13	0.33	1.38	0.58	0.62	0.66	0.24	0.67	1.79	1.07
IN.	0.41	0.18	1.31	0.38	1.48	0.67	0.69	0.76	0.26	0.78	2.07	1.20

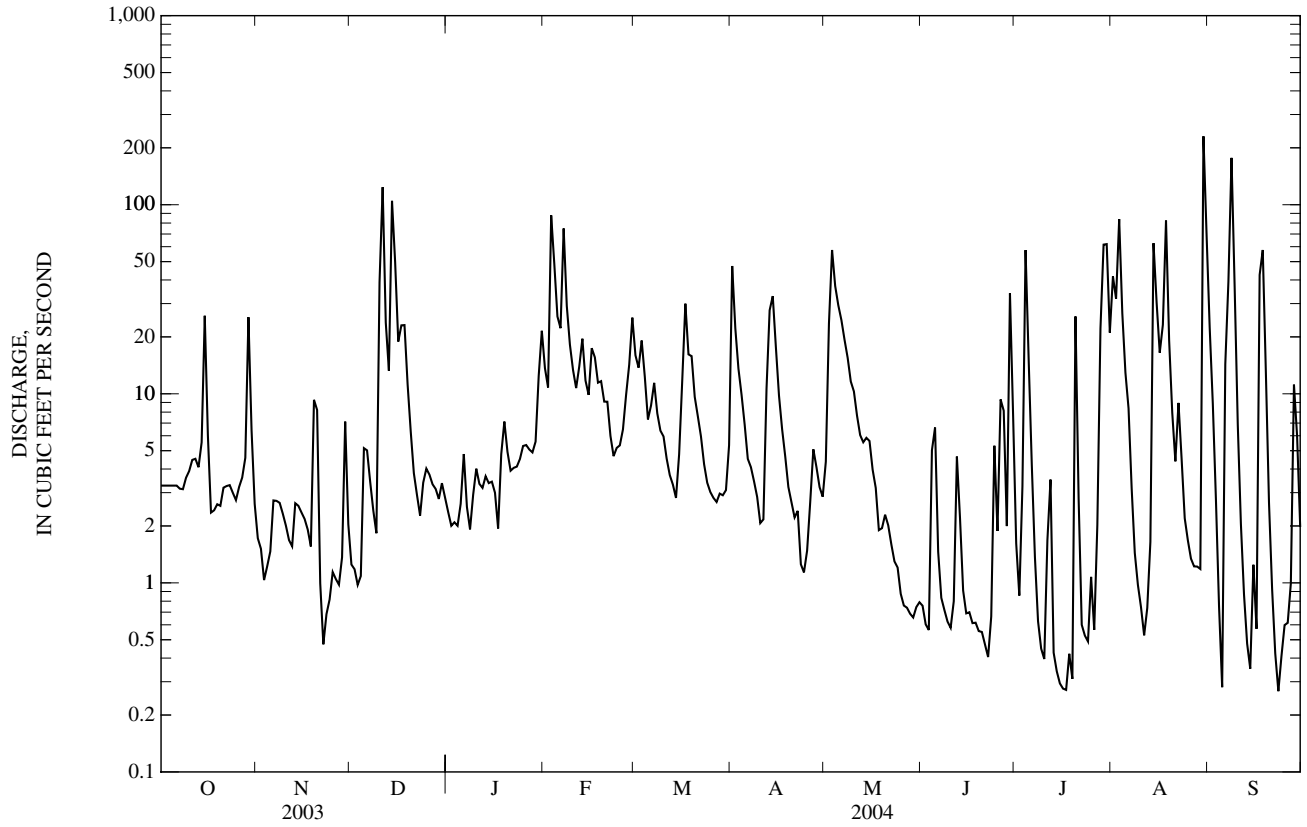
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004,@ BY WATER YEAR (WY)

MEAN	7.48	7.86	10.8	21.7	24.4	30.6	20.9	11.2	8.57	4.80	4.83	9.78
MAX	28.1	28.9	34.3	58.2	62.9	76.6	71.3	43.3	30.6	15.0	25.3	54.4
(WY)	(2003)	(1996)	(2003)	(1991)	(1998)	(1998)	(2003)	(2003)	(1995)	(2003)	(2004)	(1996)
MIN	0.06	0.06	1.65	4.61	4.20	2.88	0.99	0.79	0.04	0.01	0.02	0.03
(WY)	(1999)	(1999)	(2002)	(2004)	(2002)	(2002)	(1995)	(2002)	(2002)	(2002)	(2002)	(1990)

02084909 SEVENMILE CREEK NEAR EFLAND, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004[@]	
ANNUAL TOTAL	9,768.12		3,862.91			
ANNUAL MEAN	26.8		10.6		13.5	
HIGHEST ANNUAL MEAN					31.5	2003
LOWEST ANNUAL MEAN					2.14	2002
HIGHEST DAILY MEAN	620	Mar 20	230	Aug 30	1,080	Sep 6, 1996
LOWEST DAILY MEAN	0.47	Nov 22	0.27	Jul 17	0.00	Aug 3, 1988
ANNUAL SEVEN-DAY MINIMUM	0.86	Nov 21	0.33	Jul 13	0.00	Aug 13, 1988
MAXIMUM PEAK FLOW			568	Aug 30	3440*	Sep 6, 1996
MAXIMUM PEAK STAGE			8.67	Aug 30	15.47*	Sep 6, 1996
INSTANTANEOUS LOW FLOW			0.12	Sep 5	0.00*	Aug 6, 1987
ANNUAL RUNOFF (CFSM)	1.90		0.749		0.958	
ANNUAL RUNOFF (INCHES)	25.77		10.19		13.02	
10 PERCENT EXCEEDS	65		25		26	
50 PERCENT EXCEEDS	8.9		3.4		4.4	
90 PERCENT EXCEEDS	2.0		0.66		0.24	

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



02085000 ENO RIVER AT HILLSBOROUGH, NC

LOCATION.--Lat 36°04'16", long 79°05'44", Orange County, Hydrologic Unit 03020201, on left bank 900 ft downstream of bridge on State Highway 86 at Hillsborough, and 2 mi downstream of Sevenmile Creek.

DRAINAGE AREA.--66.0 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1927 to September 1971, October 1985 to current year.

REVISED RECORD.--WDR NC-96-1: 1945(M).

GAGE.--Water-stage recorder. Datum of gage is 487.44 ft above NGVD of 1929. Telephone and satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Diversions upstream from station of 1.1 ft^3/s by Orange-Alamance Water System, Inc. and 2.0 ft^3/s by town of Hillsborough for municipal supply, part of which is returned downstream of station as treated effluent. Maximum gage height for period of record, 21.13 ft, from high-water mark in gage shelter. No flow for part of Sept. 13, 2002. Minimum discharge for current water year also occurred July 15, 22.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	26	25	34	47	69	164	22	8.6	8.7	38	120
2	25	25	19	33	41	60	120	39	7.1	6.5	38	58
3	22	24	17	33	227	75	76	139	5.6	4.9	161	33
4	20	22	15	33	189	61	58	85	19	43	39	24
5	19	22	29	36	107	50	45	47	22	12	16	17
6	19	25	28	46	93	52	37	33	12	5.9	13	57
7	19	27	23	35	225	56	34	25	8.7	4.5	7.8	163
8	19	24	19	30	129	43	34	20	7.8	3.2	5.6	628
9	24	21	17	32	86	36	33	17	8.4	2.7	3.9	300
10	29	17	89	35	71	34	29	15	7.6	2.5	4.3	119
11	31	17	514	29	61	33	29	14	8.2	2.5	5.1	68
12	29	15	162	29	67	30	56	12	11	4.4	8.7	45
13	22	19	93	31	83	29	129	11	9.3	2.9	7.2	32
14	23	15	339	30	65	26	139	11	7.0	2.3	223	27
15	53	13	252	31	58	29	102	10	5.9	2.2	84	38
16	32	15	137	27	77	49	68	9.4	6.3	4.7	33	33
17	22	14	134	25	71	89	53	9.0	5.9	6.3	50	123
18	20	16	148	35	63	64	44	9.4	5.7	11	247	371
19	19	51	103	40	62	58	37	8.0	5.2	7.5	46	162
20	15	78	77	32	55	43	34	11	4.4	35	22	80
21	15	35	60	28	50	40	31	13	3.4	7.3	14	49
22	14	23	53	27	45	35	26	10	3.1	2.8	12	37
23	13	18	50	27	39	30	24	9.6	6.4	3.0	9.7	29
24	12	16	55	25	38	26	22	8.6	13	5.3	7.4	23
25	12	16	56	27	37	25	22	7.2	9.5	7.4	6.0	19
26	13	15	47	41	34	25	20	7.4	20	6.3	4.6	17
27	17	13	42	34	48	25	30	6.6	23	14	4.3	17
28	25	17	40	34	54	26	24	8.6	11	29	4.7	60
29	117	70	37	32	85	23	19	8.4	39	123	3.6	69
30	66	39	37	40	---	22	18	9.9	14	142	670	37
31	36	---	36	64	---	29	---	11	---	26	377	---
TOTAL	827	748	2,753	1,035	2,307	1,292	1,557	647.1	318.1	538.8	2,165.9	2,855
MEAN	26.7	24.9	88.8	33.4	79.6	41.7	51.9	20.9	10.6	17.4	69.9	95.2
MAX	117	78	514	64	227	89	164	139	39	142	670	628
MIN	12	13	15	25	34	22	18	6.6	3.1	2.2	3.6	17
CFSM	0.40	0.38	1.35	0.51	1.21	0.63	0.79	0.32	0.16	0.26	1.06	1.44
IN.	0.47	0.42	1.55	0.58	1.30	0.73	0.88	0.36	0.18	0.30	1.22	1.61

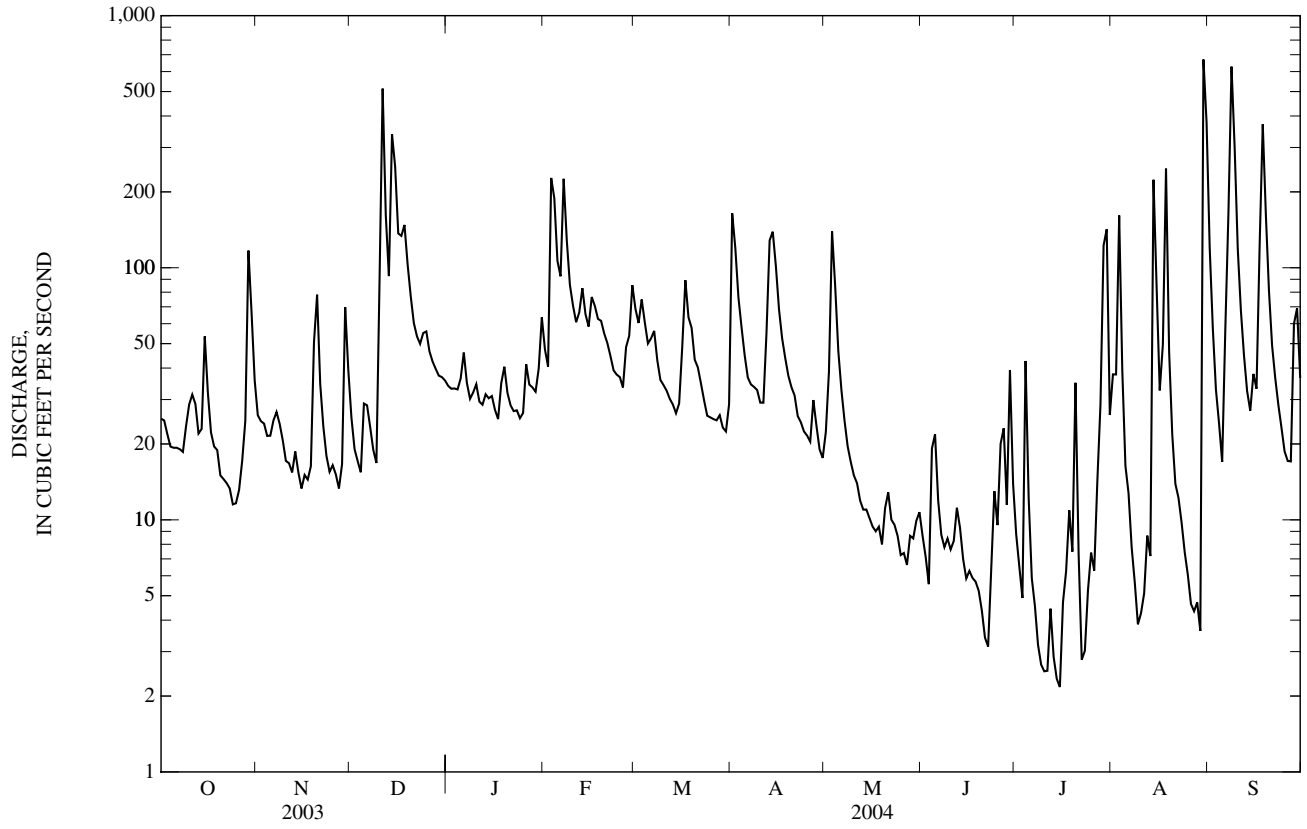
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2004,@ BY WATER YEAR (WY)

MEAN	29.3	43.5	56.6	89.1	111	120	95.7	51.3	38.7	37.5	33.1	38.7
MAX	181	213	183	326	311	354	304	175	210	359	256	342
(WY)	(1930)	(1986)	(2003)	(1936)	(1998)	(1998)	(2003)	(2003)	(1995)	(1938)	(1939)	(1945)
MIN	0.63	0.82	3.64	5.16	17.2	22.4	12.4	4.17	1.75	1.28	0.85	0.28
(WY)	(1987)	(1942)	(1942)	(1942)	(2002)	(2002)	(2002)	(2002)	(1986)	(1986)	(1987)	(1954)

02085000 ENO RIVER AT HILLSBOROUGH, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1928 - 2004[@]	
ANNUAL TOTAL	49,054		17,043.9			
ANNUAL MEAN	134		46.6		61.8	
HIGHEST ANNUAL MEAN					154	2003
LOWEST ANNUAL MEAN					9.67	2002
HIGHEST DAILY MEAN	2,590	Mar 20	670	Aug 30	4,600	Sep 6, 1996
LOWEST DAILY MEAN	12	Oct 24	2.2	Jul 15	0.02	Jul 10, 1986
ANNUAL SEVEN-DAY MINIMUM	13	Oct 20	2.8	Jul 9	0.10	Oct 6, 1954
MAXIMUM PEAK FLOW			1,560	Aug 30	10,800	Sep 6, 1996
MAXIMUM PEAK STAGE			10.70	Aug 30	21.13*	Sep 6, 1996
INSTANTANEOUS LOW FLOW			2.0*	Jul 14	0.00*	Sep 13, 2002
ANNUAL RUNOFF (CFSM)	2.04		0.706		0.937	
ANNUAL RUNOFF (INCHES)	27.65		9.61		12.73	
10 PERCENT EXCEEDS	341		93		118	
50 PERCENT EXCEEDS	54		27		26	
90 PERCENT EXCEEDS	19		6.5		4.0	

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



02085000 ENO RIVER AT HILLSBOROUGH, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1990 to current year.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT													
31...	0900	39	75	760	10.0	94	7.2	83	12.5	27	6.21	2.71	2.59
DEC													
09...	0900	20	50	756	12.5	96	7.0	85	4.2	32	7.58	3.17	1.87
FEB													
24...	0830	39	50	749	11.2	97	7.1	94	8.2	29	7.03	2.89	1.44
APR													
08...	0915	35	75	743	9.0	90	7.2	89	14.5	28	6.59	2.91	1.41
JUN													
29...	1230	52	35	757	6.2	74	7.0	89	23.8	26	6.28	2.48	1.63
AUG													
19...	1000	49	125	753	6.6	76	6.7	68	22.0	21	5.24	1.92	1.87

Date	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Bicarbonate, wat unf incrm. titr., field, mg/L (00450)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)
OCT													
31...	4.55	24	29	5.12	<.2	13.4	3.4	72	.41	.012	.165	.002	E.004
DEC													
09...	5.22	30	36	6.10	<.2	16.3	4.0	69	.31	.033	.329	.004	<.006
FEB													
24...	7.20	51	62	9.26	<.2	12.6	4.9	75	.28	.012	.354	.003	<.006
APR													
08...	6.05	27	33	7.39	<.2	11.4	3.7	69	.32	E.009	.186	.002	<.006
JUN													
29...	6.51	25	30	6.52	<.2	11.8	3.6	70	.51	.054	.306	.005	E.005
AUG													
19...	3.55	16	19	4.91	<.2	9.87	5.9	61	.64	.037	.289	.004	E.005

Date	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Aluminum, water, unfltrd recoverable, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Cobalt water, unfltrd recoverable, ug/L (01037)	Copper, water, unfltrd recoverable, ug/L (01042)	Iron, water, unfltrd recoverable, ug/L (01045)	Lead, water, unfltrd recoverable, ug/L (01051)	Manganese, water, unfltrd recoverable, ug/L (01055)	Mercury water, unfltrd recoverable, ug/L (71900)	Molybdenum, water, unfltrd recoverable, ug/L (01062)
OCT													
31...	.038	7.6	162	<2	<.04	<.8	.363	1.1	1,700	.43	66	E.01	<.2
DEC													
09...	.024	4.4	--	--	--	--	--	--	--	--	--	--	--
FEB													
24...	.027	3.2	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	.025	4.5	100	<2	<.04	<.8	.358	1.0	960	.24	96	<.02	<.2
JUN													
29...	.068	7.4	477	<2	<.04	E.5	1.08	3.0	2,040	1.07	381	<.02	E.1
AUG													
19...	.058	12.3	--	--	--	--	--	--	--	--	--	--	--

02085000 ENO RIVER AT HILLSBOROUGH, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Nickel, water, unfltrd recover -able, ug/L (01067)	Selen- ium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover -able, ug/L (01077)	Zinc, water, unfltrd recover -able, ug/L (01092)	Sus- pended sedi- ment concen- tration mg/L (80154)
OCT					
31...	.43	<.4	<.16	E1	8
DEC					
09...	--	--	--	--	7
FEB					
24...	--	--	--	--	6
APR					
08...	.36	<.4	<.16	E1	5
JUN					
29...	.69	E.2	<.16	5	42
AUG					
19...	--	--	--	--	16

Remark codes used in this table:
< -- Less than
E -- Estimated value

02085070 ENO RIVER NEAR DURHAM, NC

LOCATION.--Lat 36°04'20", long 78°54'28", Durham County, Hydrologic Unit 03020201, on right bank 275 ft downstream of bridge on U.S. Highway 501, 0.2 mi downstream of Crooked Creek, and 5 mi north of Durham.

DRAINAGE AREA.--141 mi^2

PERIOD OF RECORD.--Occasional low-flow measurements, water year 1955. August 1963 to current year.

REVISED RECORDS.--WDR NC-72-1: 1968-71(M), 1971(P).

GAGE.--Water-stage recorder. Elevation of gage is 270 ft above NGVD of 1929, from topographic map. Prior to Nov. 19, 1966, at site 275 ft upstream, at datum 272.35 ft. Nov. 20, 1966, to Sept. 30, 1967, water-stage recorder at present site, at datum 270.94 ft. U.S. Army Corps of Engineers satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Some regulation during periods of low flow caused by mill 600 ft upstream. Maximum gage height for period of record, 23.58 ft, from floodmark. Minimum discharge for period of record also occurred on Aug. 15, 1977.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	58	77	63	92	129	323	51	29	32	44	229
2	42	50	65	62	79	116	263	236	19	21	61	99
3	e40	46	58	61	482	131	146	307	15	21	177	66
4	38	43	58	61	503	121	112	184	19	36	98	50
5	34	42	88	64	236	107	94	111	40	46	47	41
6	34	44	86	71	255	105	82	84	43	20	51	61
7	34	46	75	68	669	112	76	71	29	8.8	31	190
8	34	49	67	60	333	101	74	61	22	5.2	15	912
9	39	46	61	60	188	88	72	53	23	3.7	10	722
10	44	43	213	61	149	83	68	49	18	3.1	6.5	218
11	57	41	1,000	60	130	81	66	46	17	2.2	4.2	109
12	51	41	362	57	150	78	88	43	15	e4.0	27	76
13	45	41	173	58	180	75	192	39	22	2.4	105	61
14	44	41	722	59	145	72	239	37	18	2.1	556	52
15	77	41	590	57	128	81	183	35	15	2.5	327	55
16	71	39	285	57	155	124	124	32	17	1.8	106	63
17	50	42	229	54	154	186	98	30	13	1.6	62	106
18	40	43	273	63	139	148	88	29	11	16	278	502
19	38	95	184	72	138	125	78	27	19	13	98	305
20	36	179	136	65	127	107	71	25	15	19	55	121
21	32	104	110	57	116	95	67	26	7.6	36	40	79
22	31	78	96	55	105	89	63	34	6.2	22	41	62
23	29	67	91	54	96	80	58	52	10	24	30	53
24	29	60	93	53	90	75	55	41	14	e8.0	23	45
25	26	56	96	53	87	72	53	26	29	4.8	15	41
26	28	54	82	61	84	70	52	21	39	4.8	11	36
27	37	52	75	67	97	69	55	17	46	23	9.2	36
28	51	57	71	63	113	69	59	16	41	57	7.6	54
29	175	85	69	65	138	68	51	14	69	106	6.9	101
30	135	97	67	75	---	65	47	30	59	257	970	69
31	77	---	65	104	---	71	---	29	---	70	827	---
TOTAL	1,547	1,780	5,717	1,940	5,358	2,993	3,097	1,856	739.8	874.0	4,139.4	4,614
MEAN	49.9	59.3	184	62.6	185	96.5	103	59.9	24.7	28.2	134	154
MAX	175	179	1,000	104	669	186	323	307	69	257	970	912
MIN	26	39	58	53	79	65	47	14	6.2	1.6	4.2	36
CFSM	0.35	0.42	1.31	0.44	1.31	0.68	0.73	0.42	0.17	0.20	0.95	1.09
IN.	0.41	0.47	1.51	0.51	1.41	0.79	0.82	0.49	0.20	0.23	1.09	1.22

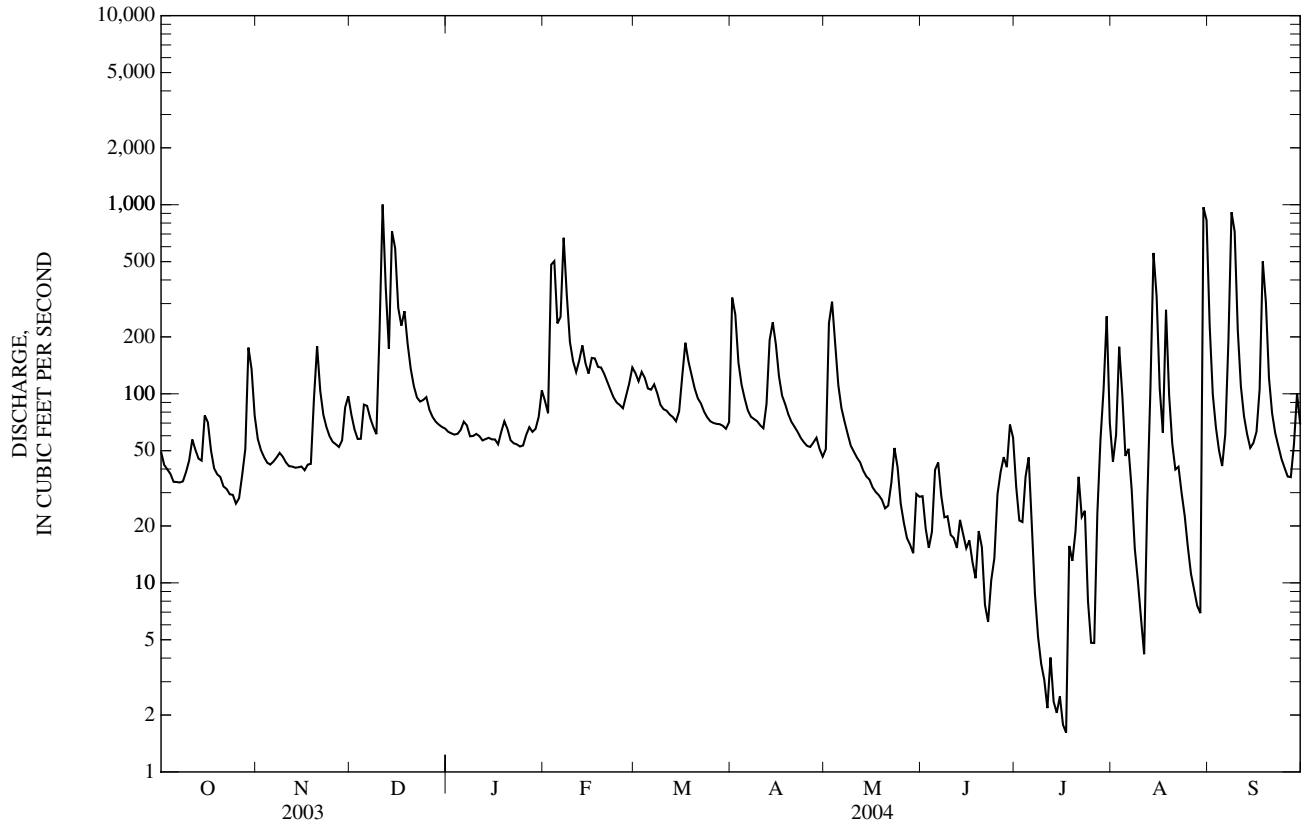
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2004, BY WATER YEAR (WY)

MEAN	60.6	75.2	112	197	244	280	189	122	87.6	71.8	55.7	73.8
MAX	456	462	406	517	638	767	603	429	411	452	282	606
(WY)	(1972)	(1986)	(1973)	(1998)	(1998)	(1998)	(2003)	(1978)	(1982)	(1975)	(1985)	(1999)
MIN	4.77	7.27	11.3	21.4	47.1	61.5	34.9	10.2	5.28	6.01	3.34	0.84
(WY)	(1964)	(2002)	(2002)	(1981)	(2002)	(2002)	(1995)	(2002)	(2002)	(2002)	(1977)	(1968)

02085070 ENO RIVER NEAR DURHAM, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1963 - 2004	
ANNUAL TOTAL	93,348		34,655.2			
ANNUAL MEAN	256		94.7		130	
HIGHEST ANNUAL MEAN					293	2003
LOWEST ANNUAL MEAN					26.7	2002
HIGHEST DAILY MEAN	4,120	Mar 20	1,000	Dec 11	9,900	Sep 6, 1996
LOWEST DAILY MEAN	26	Oct 25	1.6	Jul 17	0.08	Aug 14, 1977
ANNUAL SEVEN-DAY MINIMUM	30	Oct 20	2.4	Jul 11	0.20	Aug 8, 1977
MAXIMUM PEAK FLOW			2,280	Aug 30	14,700	Sep 6, 1996
MAXIMUM PEAK STAGE			7.94	Aug 30	23.58*	Sep 6, 1996
INSTANTANEOUS LOW FLOW			1.5	Jul 17	0.06*	Aug 14, 1977
ANNUAL RUNOFF (CFSM)	1.81		0.672		0.924	
ANNUAL RUNOFF (INCHES)	24.63		9.14		12.55	
10 PERCENT EXCEEDS	699		184		265	
50 PERCENT EXCEEDS	104		60		52	
90 PERCENT EXCEEDS	44		16		7.0	

* See REMARKS.
e Estimated.



0208521324 LITTLE RIVER AT SECONDARY ROAD 1461 NEAR ORANGE FACTORY, NC

LOCATION.--Lat 36°08'30", long 78°55'09", Durham County, Hydrologic Unit 03020201, on right bank, 5 feet downstream from bridge on Secondary Road 1461, and 1.8 mi northwest of Orange Factory.

DRAINAGE AREA.--78.2 mi^2.

PERIOD OF RECORD.--October 1987 to current year. Prior to October 1987, equivalent records published as "Little River near Orange Factory, NC" (02085220), September 1961 to September 1987.

GAGE.--Water-stage recorder. Datum of gage is 380 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Maximum discharge for period of record from extension of rating curve above 2,300 ft^3/s, based on contracted-opening measurement of peak flow; maximum gage height, 13.26 ft, from high-water mark in gage shelter. No flow occurs periodically.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	42	58	63	89	68	315	28	14	8.0	12	96
2	35	35	49	61	78	64	169	36	9.7	7.0	57	51
3	33	32	45	61	431	82	94	106	7.9	6.1	129	32
4	32	30	43	61	305	73	72	71	7.7	6.0	42	24
5	31	29	65	63	151	64	58	46	19	5.8	18	20
6	30	29	76	74	161	61	50	35	17	5.3	18	18
7	29	31	64	69	377	61	49	29	12	4.9	12	28
8	29	31	55	62	175	54	45	27	10	4.3	9.4	224
9	34	29	51	61	117	50	43	25	9.6	4.0	7.5	315
10	38	27	151	63	100	48	40	24	9.2	3.7	6.0	91
11	40	26	797	59	86	46	40	22	8.7	3.2	5.3	49
12	39	26	187	59	89	45	54	21	8.4	2.9	8.0	35
13	34	25	118	63	116	43	174	19	7.7	2.7	13	27
14	32	22	569	63	92	42	172	18	7.3	2.6	399	23
15	50	22	344	61	81	44	131	18	7.1	2.5	195	25
16	46	23	168	56	90	59	82	17	7.9	2.4	75	30
17	35	24	166	54	97	93	63	20	8.4	2.4	38	43
18	30	24	195	61	86	77	56	18	8.3	3.0	24	183
19	28	49	129	71	91	64	50	16	7.4	3.0	19	117
20	27	130	107	64	85	55	45	15	6.8	17	15	55
21	25	79	94	57	74	51	42	15	6.5	3.9	e18	37
22	24	60	87	55	66	47	39	14	6.6	3.2	e12	28
23	23	51	84	54	61	43	35	14	6.2	4.1	e11	25
24	22	47	86	52	57	41	34	13	9.9	3.8	e6.4	21
25	22	44	87	53	54	41	33	11	13	3.5	8.6	19
26	22	43	81	63	50	41	32	11	14	3.3	7.8	18
27	26	42	74	60	56	42	35	10	14	3.6	7.2	18
28	31	45	70	62	70	41	34	9.4	13	8.1	6.6	25
29	161	90	68	60	81	39	29	8.8	12	138	6.3	33
30	105	79	68	72	---	38	27	13	9.5	79	836	28
31	54	---	66	110	---	41	---	16	---	25	433	---
TOTAL	1,203	1,266	4,302	1,947	3,466	1,658	2,142	746.2	298.8	372.3	2,455.1	1,738
MEAN	38.8	42.2	139	62.8	120	53.5	71.4	24.1	9.96	12.0	79.2	57.9
MAX	161	130	797	110	431	93	315	106	19	138	836	315
MIN	22	22	43	52	50	38	27	8.8	6.2	2.4	5.3	18
CFSM	0.50	0.54	1.77	0.80	1.53	0.68	0.91	0.31	0.13	0.15	1.01	0.74
IN.	0.57	0.60	2.05	0.93	1.65	0.79	1.02	0.35	0.14	0.18	1.17	0.83

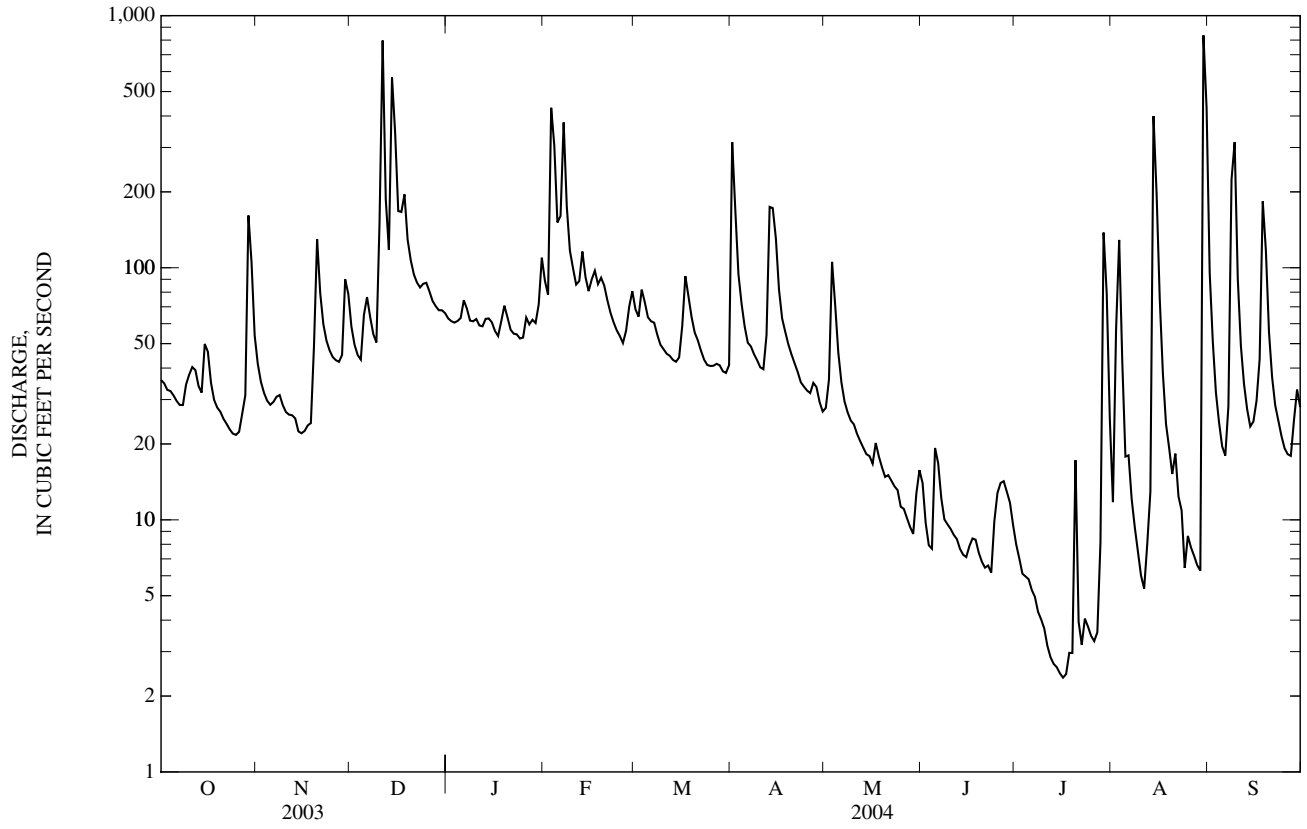
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2004, BY WATER YEAR (WY)

MEAN	41.2	42.1	68.1	120	131	181	118	58.9	42.8	34.0	30.2	55.1
MAX	222	122	215	257	379	456	346	203	194	141	125	329
(WY)	(2003)	(2003)	(2003)	(1998)	(1998)	(1993)	(2003)	(2003)	(1995)	(2003)	(2003)	(1996)
MIN	0.14	1.33	5.06	24.2	22.4	30.9	17.1	7.48	2.08	0.31	0.37	1.27
(WY)	(1994)	(1999)	(2002)	(2001)	(2002)	(1988)	(1995)	(2002)	(2002)	(2002)	(1999)	(1990)

0208521324 LITTLE RIVER AT SECONDARY ROAD 1461 NEAR ORANGE FACTORY, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1987 - 2004	
ANNUAL TOTAL	60,584		21,594.4			
ANNUAL MEAN	166		59.0		76.6	
HIGHEST ANNUAL MEAN					195	2003
LOWEST ANNUAL MEAN					14.8	2002
HIGHEST DAILY MEAN	3,270	Mar 20	836	Aug 30	6,500	Sep 6, 1996
LOWEST DAILY MEAN	18	Aug 30	2.4	Jul 16	0.00	Aug 19, 1988
ANNUAL SEVEN-DAY MINIMUM	23	Oct 21	2.6	Jul 12	0.00	Aug 19, 1988
MAXIMUM PEAK FLOW			1,960	Aug 30	11600*	Sep 6, 1996
MAXIMUM PEAK STAGE			5.54	Aug 30	13.26*	Sep 6, 1996
INSTANTANEOUS LOW FLOW			2.2	Jul 16	0.00*	Aug 19, 1998
ANNUAL RUNOFF (CFSM)	2.12		0.754		0.980	
ANNUAL RUNOFF (INCHES)	28.82		10.27		13.32	
10 PERCENT EXCEEDS	350		108		154	
50 PERCENT EXCEEDS	74		40		26	
90 PERCENT EXCEEDS	30		7.3		1.9	

* See REMARKS.
e Estimated.



0208521324 LITTLE RIVER AT SECONDARY ROAD 1461 NEAR ORANGE FACTORY,NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1988 to current year.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment.

COOPERATION.--For the period February 1988 through June 1989 the inorganic-chemical data and trace-metal data were analyzed by the city of Durham's Brown Water Treatment Laboratory. Samples for October 1994 and April 1995 were collected by the North Carolina Department of Environment, Health, and Natural Resources. A GC/FID scan for trace organic compounds was performed on these samples by the U.S. Geological Survey National Water Quality Lab. Results may be obtained from the District office in Raleigh, NC.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
AUG 30...	1315	1,350	150	754	7.8	90	6.4	51	22.3	18	4.61	1.66	2.80

Date	Sodium, water, fltrd, mg/L (00930)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)
AUG 30...	3.00	3.70	<.2	7.87	3.2	52	1.7	.029	.215	.005	.051	.29	27.9

Date	Aluminum, water, unfltrd recoverable, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Cobalt water, unfltrd recoverable, ug/L (01037)	Copper, water, unfltrd recoverable, ug/L (01042)	Iron, water, unfltrd recoverable, ug/L (01045)	Lead, water, unfltrd recoverable, ug/L (01051)	Manganese, water, unfltrd recoverable, ug/L (01055)	Mercury water, unfltrd recoverable, ug/L (71900)	Molybdenum, water, unfltrd recoverable, ug/L (01062)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)
AUG 30...	2,240	E1	.06	2.9	4.76	5.3	4,450	4.17	862	.03	<.2	1.78	.5

Date	Silver, water, unfltrd recoverable, ug/L (01077)	Zinc, water, unfltrd recoverable, ug/L (01092)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/day (80155)
AUG 30...	<.16	15	387	1410

Remark codes used in this table:
< -- Less than
E -- Estimated value

0208524090 MOUNTAIN CREEK AT SECONDARY ROAD 1617 NEAR BAHAMA, NC

LOCATION.--Lat 36°08'59", long 78°53'48", Durham County, Hydrologic Unit 03020201, on right bank at bridge on Secondary Road 1617 and 1.6 mi southwest of Bahama.

DRAINAGE AREA.--8.0 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1994 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 370 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Maximum gage height for period of record from floodmarks. Maximum gage height for period of record occurred Sept. 6, 1996, discharge not determined. No flow occurred on many days during the period.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	3.3	2.8	5.0	7.3	5.2	22	1.5	0.39	0.21	1.5	8.0
2	2.3	3.0	2.5	4.9	6.8	6.1	10	4.0	0.25	0.18	28	4.6
3	2.1	2.7	2.2	5.1	39	6.7	6.3	9.4	0.21	0.14	28	3.1
4	2.1	2.6	2.4	5.1	21	5.7	4.7	4.8	0.28	0.13	3.8	2.6
5	1.9	2.6	7.9	5.6	12	5.3	3.8	3.0	0.38	0.11	1.7	2.2
6	1.9	2.9	5.3	7.5	21	5.7	3.3	2.2	0.30	0.12	3.0	2.1
7	1.8	3.2	3.9	5.5	34	4.8	3.0	1.9	0.27	0.12	1.1	4.1
8	1.8	2.9	3.2	5.0	14	4.1	3.0	1.6	0.25	0.09	0.71	9.9
9	2.8	2.4	3.0	5.4	9.7	3.9	2.7	1.4	0.33	0.08	0.69	5.2
10	2.8	2.2	31	5.3	8.5	4.0	2.5	1.2	0.25	0.07	0.69	3.0
11	3.4	2.1	53	4.7	7.5	3.7	2.4	1.0	0.29	0.08	0.59	2.1
12	2.9	2.2	14	5.1	9.7	3.6	5.2	0.97	0.25	0.09	2.3	1.8
13	2.3	2.2	9.6	5.5	10	3.8	8.7	0.91	0.21	0.09	4.8	1.6
14	2.2	1.9	56	5.1	8.1	3.2	11	0.84	0.18	0.08	39	1.5
15	5.7	1.8	23	5.0	7.2	3.7	7.6	0.76	0.19	0.06	15	1.7
16	2.9	1.8	14	4.5	8.4	6.5	5.9	0.72	0.26	0.05	7.7	1.7
17	2.2	2.0	17	4.3	8.0	8.1	4.3	0.69	0.48	0.05	3.8	4.6
18	2.1	2.0	15	6.2	7.5	5.9	3.4	0.63	0.28	0.14	2.4	13
19	1.9	11	11	6.0	7.5	5.4	2.7	0.61	0.19	0.10	1.8	5.8
20	1.8	11	9.0	4.9	6.8	4.4	2.5	0.64	0.14	1.9	1.3	3.0
21	1.8	5.3	7.7	4.6	6.2	4.5	2.3	0.51	0.12	0.42	3.6	2.2
22	1.7	3.6	7.3	4.6	5.5	3.7	2.0	0.51	0.13	0.24	3.3	1.8
23	1.5	3.1	6.8	4.4	5.2	3.3	1.7	0.46	0.18	0.86	1.2	1.6
24	1.5	2.9	7.6	4.3	5.0	3.5	1.6	0.55	0.29	0.39	1.00	1.4
25	1.5	2.6	7.1	4.3	4.9	3.1	1.5	0.40	0.28	0.26	0.83	1.3
26	1.7	2.4	6.3	5.1	4.5	3.4	1.5	0.31	1.1	0.21	0.74	1.3
27	2.7	2.3	6.0	4.8	6.1	3.1	1.8	0.30	0.58	0.19	0.73	1.3
28	4.1	3.5	5.7	4.8	6.8	3.1	1.4	0.27	0.35	0.24	0.60	3.1
29	19	5.0	5.6	5.2	5.7	2.9	1.2	0.24	0.36	4.8	0.50	2.6
30	7.3	3.1	5.6	9.0	---	2.9	1.1	0.75	0.24	6.7	144	1.8
31	4.5	---	5.1	11	---	3.5	---	0.66	---	1.6	23	---
TOTAL	96.5	99.6	356.6	167.8	303.9	136.8	131.1	43.73	9.01	19.80	327.38	100.0
MEAN	3.11	3.32	11.5	5.41	10.5	4.41	4.37	1.41	0.30	0.64	10.6	3.33
MAX	19	11	56	11	39	8.1	22	9.4	1.1	6.7	144	13
MIN	1.5	1.8	2.2	4.3	4.5	2.9	1.1	0.24	0.12	0.05	0.50	1.3
CFSM	0.39	0.41	1.44	0.68	1.31	0.55	0.55	0.18	0.04	0.08	1.32	0.42
IN.	0.45	0.46	1.66	0.78	1.41	0.64	0.61	0.20	0.04	0.09	1.52	0.47

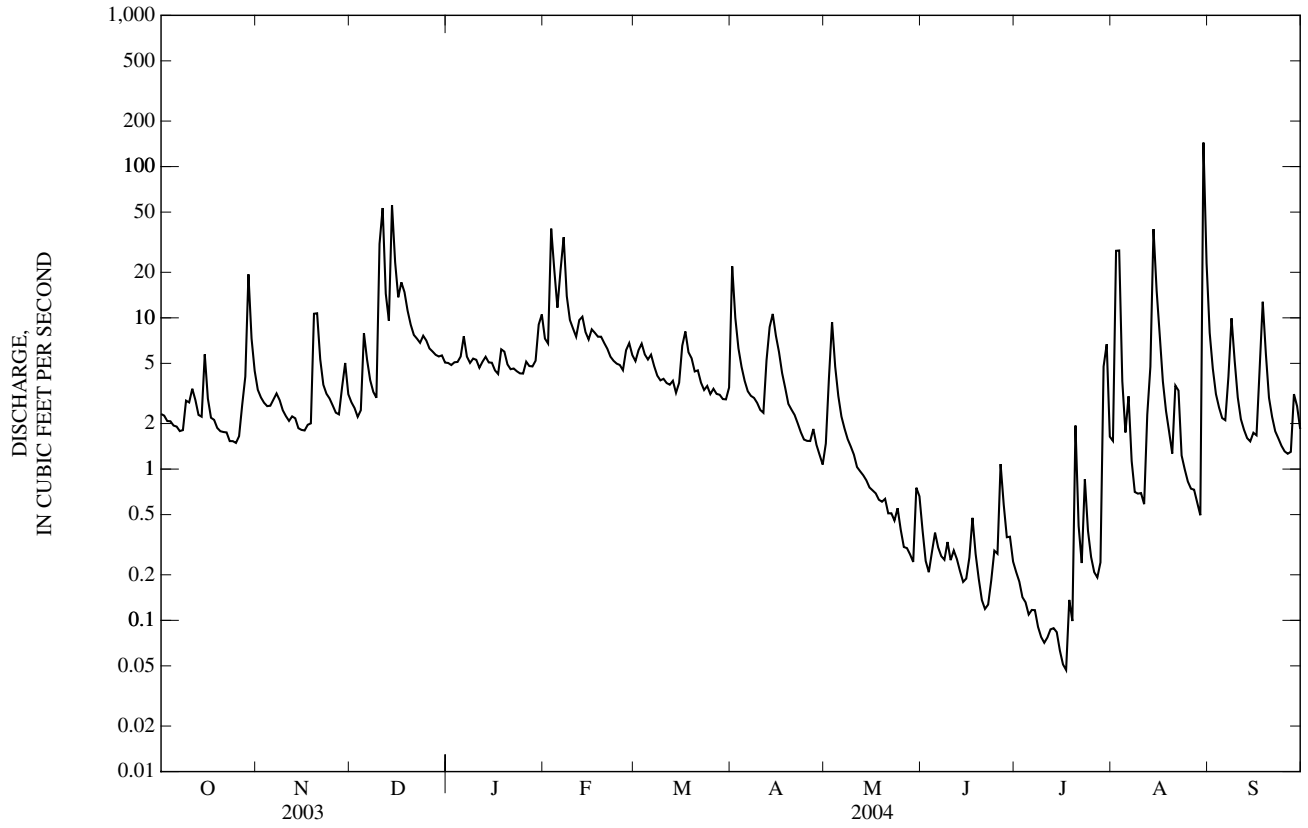
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)

MEAN	5.54	3.89	6.30	10.4	12.9	16.7	10.9	4.72	5.77	2.96	3.06	13.4
MAX	32.9	11.7	20.7	27.3	36.2	49.9	30.0	15.1	29.7	7.95	10.6	74.0
(WY)	(2003)	(2003)	(2003)	(1998)	(1998)	(1998)	(2003)	(2003)	(1995)	(2003)	(2004)	(1996)
MIN	0.03	0.06	0.26	1.51	1.55	2.74	1.14	0.19	0.29	0.10	0.01	0.18
(WY)	(1999)	(1999)	(2002)	(2001)	(2002)	(2002)	(2002)	(2002)	(1999)	(2002)	(1999)	(1995)

0208524090 MOUNTAIN CREEK AT SECONDARY ROAD 1617 NEAR BAHAMA, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1995 - 2004	
ANNUAL TOTAL	4,866.05		1,792.22			
ANNUAL MEAN	13.3		4.90		8.01	
HIGHEST ANNUAL MEAN					17.3	2003
LOWEST ANNUAL MEAN					1.67	2002
HIGHEST DAILY MEAN	400	Mar 20	144	Aug 30	1,000	Sep 6, 1996
LOWEST DAILY MEAN	0.95	Aug 30	0.05	Jul 16	0.00	Aug 3, 1999
ANNUAL SEVEN-DAY MINIMUM	1.2	Aug 24	0.07	Jul 11	0.00	Aug 3, 1999
MAXIMUM PEAK FLOW			594	Aug 30	NOT DETERMINED*	
MAXIMUM PEAK STAGE			7.92	Aug 30	12.56	Sep 6, 1996
INSTANTANEOUS LOW FLOW			0.04	Jul 16	0.00*	Aug 3, 1999
ANNUAL RUNOFF (CFSM)	1.67		0.612		1.00	
ANNUAL RUNOFF (INCHES)	22.63		8.33		13.60	
10 PERCENT EXCEEDS	27		9.0		14	
50 PERCENT EXCEEDS	5.6		2.9		2.4	
90 PERCENT EXCEEDS	1.9		0.25		0.10	

* See REMARKS.



0208524090 MOUNTAIN CREEK AT SECONDARY ROAD 1617 NEAR BAHAMA, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1988-91, 1994 to current year.

REMARKS.--Station operated to define the impacts of various land-use development on surface-water quality in the Upper Neuse River basin.

COOPERATION.--For the period February 1988 through June 1989 the inorganic chemical data and trace metal data were analyzed by the city of Durham's Brown Water Treatment Plant Laboratory.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
03...	1400	2.2	758	7.6	83	6.9	79	19.1	.21	.29	<.04	--	.52
DEC													
11...	1330	34	746	11.9	106	6.9	72	9.2	.74	.59	<.04	--	.08
FEB													
20...	1330	7.2	759	12.9	109	7.0	100	7.9	.32	.29	<.04	--	.51
APR													
08...	1430	3.0	742	10.4	113	7.7	101	17.7	.24	.28	E.03	--	.29
MAY													
03...	1245	9.5	755	8.2	85	7.3	115	17.1	.68	.64	E.03	.40	.41
JUN													
04...	1315	.37	755	7.7	86	7.5	130	20.2	.28	.40	<.04	--	.50
JUL													
23...	1330	.88	748	7.0	87	7.4	129	25.1	.38	.76	<.04	--	.27
AUG													
30...	1130	152	754	7.2	85	6.7	64	22.9	.74	1.7	E.03	.27	.28

Date	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd mg/L (00600)	Aluminum, water, unfltrd recoverable, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Cobalt water, unfltrd recoverable, ug/L (01037)	Copper, water, unfltrd recoverable, ug/L (01042)	Iron, water, unfltrd recoverable, ug/L (01045)
OCT													
03...	<.008	<.02	<.04	<.04	.73	.81	--	--	--	--	--	--	--
DEC													
11...	E.006	<.02	E.02	E.04	.82	.67	--	--	--	--	--	--	--
FEB													
20...	E.006	<.02	<.04	E.04	.83	.80	--	--	--	--	--	--	--
APR													
08...	<.008	E.01	E.02	E.04	.52	.57	88	<2	<.04	<.8	.268	.6	1,050
MAY													
03...	.013	<.02	E.02	.06	1.1	1.1	209	<2	<.04	<.8	.555	1.2	1,500
JUN													
04...	<.008	<.02	<.04	.05	.78	.90	--	--	--	--	--	--	--
JUL													
23...	E.004	<.02	<.04	.07	.64	1.0	--	--	--	--	--	--	--
AUG													
30...	.008	.05	.08	.42	1.0	2.0	--	--	--	--	--	--	--

0208524090 MOUNTAIN CREEK AT SECONDARY ROAD 1617 NEAR BAHAMA, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Lead, water, unfltrd recover -able, ug/L (01051)	Mangan- ese, water, unfltrd recover -able, ug/L (01055)	Mercury water, unfltrd recover -able, ug/L (71900)	Molyb- denum, water, unfltrd recover -able, ug/L (01062)	Nickel, water, unfltrd recover -able, ug/L (01067)	Selen- ium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover -able, ug/L (01077)	Zinc, water, unfltrd recover -able, ug/L (01092)	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)	2,6-Di- ethyl- aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)
OCT													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	.31	151	<.02	<.2	.27	<.4	<.16	<2	--	--	--	--	--
MAY													
03...	.71	401	<.02	E.1	.38	<.4	<.16	3	<.009	<.02	<.02	<.006	E.008
JUN													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	CEAT, water, fltrd, ug/L (04038)	OIET, water, fltrd, ug/L (50355)	3- Hydroxy carbo- furan, wat flt 0.7u GF ug/L (49308)	3-Keto- carbo- furan, water, fltrd, ug/L (50295)	Aceto- chlor, water, fltrd, ug/L (49260)	Aci- fluor- fen, water, fltrd 0.7u GF ug/L (49315)	Ala- chlor, water, fltrd, ug/L (46342)	Aldi- carb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldi- carb sulf- oxide, wat flt 0.7u GF ug/L (49314)	Aldi- carb, water, fltrd 0.7u GF ug/L (49312)	Aldrin, water, unfltrd ug/L (39330)	alpha- Endo- sulfan, water, unfltrd ug/L (39388)	alpha- HCH, water, fltrd, ug/L (34253)
OCT													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
03...	<.01	E.058	<.006	<.014	<.006	<.007	<.005	<.02	<.008	<.04	<.01	<.03	<.005
JUN													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Atra- zine, water, fltrd, ug/L (39632)	Azin- phos- methyl, water, fltrd 0.7u GF ug/L (82686)	Bendio- carb, water, fltrd, ug/L (50299)	Ben- flur- alin, water, fltrd 0.7u GF ug/L (82673)	Benomyl water, fltrd, ug/L (50300)	Bensul- furon, water, fltrd, ug/L (61693)	Ben- tazon, water, fltrd 0.7u GF ug/L (38711)	Broma- cil, water, fltrd, ug/L (04029)	Brom- oxynil, water, fltrd 0.7u GF ug/L (49311)	Butyl- ate, water, fltrd, ug/L (04028)	Caf- feine, water, fltrd, ug/L (50305)	Car- baryl, water, fltrd 0.7u GF ug/L (49310)	Car- baryl, water, fltrd 0.7u GF ug/L (82680)
OCT													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
03...	.029	<.050	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.004	<.0096	<.03	<.041
JUN													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
30...	--	--	--	--	--	--	--	--	--	--	--	--	--

0208524090 MOUNTAIN CREEK AT SECONDARY ROAD 1617 NEAR BAHAMA, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Carbofuran, water, fltrd 0.7u GF ug/L (49309)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Carbophenothion, water, unfltrd ug/L (39786)	Chlorambenmethyl ester, water, fltrd, ug/L (61188)	Chlordane, technical, water, unfltrd ug/L (39350)	Chlorimuron, water, fltrd, ug/L (50306)	Chlorodiamino-s-triazine, wat flt ug/L (04039)	Chlorothalonil, water, fltrd 0.7u GF ug/L (49306)	Chlorpyrifos water, fltrd, ug/L (38933)	Chlorpyrifos water unfltrd ug/L (38932)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Clopyralid, water, fltrd 0.7u GF ug/L (49305)	Cyanazine, water, fltrd, ug/L (04041)
OCT													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
03...	<.006	<.020	<.02	<.02	<.1	<.010	<.04	<.04	<.005	<.01	<.006	<.01	<.018
JUN													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Cycloate, water, fltrd, ug/L (04031)	Dacthal mono-acid, water, fltrd 0.7u GF ug/L (49304)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Diazinon, water, unfltrd ug/L (39570)	Dicamba water fltrd 0.7u GF ug/L (38442)	Dichlorprop, water, fltrd 0.7u GF ug/L (49302)	Dieldrin, water, fltrd, ug/L (39381)	Dieldrin, water, unfltrd ug/L (39380)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphenamid, water, fltrd, ug/L (04033)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)
OCT													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
03...	<.01	<.01	<.003	<.012	<.005	<.02	<.01	<.01	<.009	<.016	<.01	<.03	<.02
JUN													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Disulfoton, water, unfltrd ug/L (39011)	Diuron, water, fltrd 0.7u GF ug/L (49300)	Endrin, water, unfltrd ug/L (39390)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethion, water, unfltrd ug/L (39398)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Flumetsulam, water, fltrd, ug/L (61694)
OCT													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
03...	<.10	<.01	<.01	<.004	<.009	<.01	<.005	<.03	<.029	<.013	<.024	<.016	<.01
JUN													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
30...	--	--	--	--	--	--	--	--	--	--	--	--	--

0208524090 MOUNTAIN CREEK AT SECONDARY ROAD 1617 NEAR BAHAMA, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Fluometuron water fltrd 0.7u GF ug/L (38811)	Fonofos water, fltrd, ug/L (04095)	Fonofos water unfltrd ug/L (82614)	Heptachlor epoxide water unfltrd ug/L (39420)	Heptachlor, water, unfltrd ug/L (39410)	Imazaquin, water, fltrd, ug/L (50356)	Imazethapyr, water, fltrd, ug/L (50407)	Imidacloprid water, fltrd, ug/L (61695)	Lindane water, fltrd, ug/L (39341)	Lindane water, unfltrd ug/L (39340)	Linuron water fltrd 0.7u GF ug/L (38478)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)
OCT													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
03...	<.03	<.003	<.01	<.009	<.01	<.02	<.02	<.007	<.004	<.014	<.01	<.035	<.027
JUN													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Malathion, water, unfltrd ug/L (39530)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Metalaxyl, water, fltrd, ug/L (50359)	Methiocarb, water, fltrd 0.7u GF ug/L (38501)	Methomyl, water, fltrd 0.7u GF ug/L (49296)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Methyl parathion, water, unfltrd ug/L (39600)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Metsulfuron, water, fltrd, ug/L (61697)	Mirex, water, unfltrd ug/L (39755)	Molinate, water, fltrd 0.7u GF ug/L (82671)
OCT													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
03...	<.10	<.02	<.01	<.02	<.008	<.004	<.015	<.01	E.011	<.006	<.03	<.006	<.003
JUN													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	N-(4-Chlorophenyl) -N-' methylurea, ug/L (61692)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nicosulfuron, water, fltrd, ug/L (50364)	Norflurazon, water, fltrd 0.7u GF ug/L (49293)	Oryzalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	p,p-' DDD, water, unfltrd ug/L (39360)	p,p-' DDE, water, fltrd, ug/L (34653)	p,p-' DDE, water, unfltrd ug/L (39365)	p,p-' DDT, water, unfltrd ug/L (39370)	p,p-' Methoxychlor, water, unfltrd ug/L (39480)	Parathion, water, fltrd, ug/L (39542)
OCT													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
03...	<.02	<.007	<.01	<.01	<.02	<.02	<.01	<.016	<.003	<.014	<.010	<.006	<.010
JUN													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
30...	--	--	--	--	--	--	--	--	--	--	--	--	--

0208524090 MOUNTAIN CREEK AT SECONDARY ROAD 1617 NEAR BAHAMA, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Parathion, water, unfltrd ug/L (39540)	PCBs, water, unfltrd ug/L (39516)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Phorate water unfltrd ug/L (39023)	Picloram, water, fltrd 0.7u GF ug/L (49291)	Prometon, water, fltrd, ug/L (04037)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Propham water fltrd 0.7u GF ug/L (49236)
OCT													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
03...	<.01	<.1	<.004	<.022	<.011	<.02	<.02	.01	<.004	<.025	<.011	<.02	<.010
JUN													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Propiconazole, water, fltrd, ug/L (50471)	Propoxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Simazine, water, fltrd, ug/L (04035)	Sulfometruron, water, fltrd, ug/L (50337)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbacil, water, fltrd, ug/L (04032)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Toxaphene, water, unfltrd ug/L (39400)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Tribuphos, water, unfltrd ug/L (39040)
OCT													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
03...	<.02	<.008	<.02	.020	<.009	<.02	<.034	<.010	<.02	<.010	<1	<.002	<.02
JUN													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Triclopyr, water, fltrd 0.7u GF ug/L (49235)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT				
03...	--	--	4	.02
DEC				
11...	--	--	28	2.6
FEB				
20...	--	--	10	.19
APR				
08...	--	--	7	.06
MAY				
03...	<.02	<.009	26	.67
JUN				
04...	--	--	17	.02
JUL				
23...	--	--	25	.06
AUG				
30...	--	--	383	157

0208524845 LITTLE RIVER RESERVOIR AT DAM NEAR BAHAMA, NC

LOCATION.--Lat 36°06'54", long 78°52'09", Durham County, Hydrologic Unit 03020201, at dam 7.5 mi below State Highway 501, and 4.0 mi south of Bahama.

DRAINAGE AREA.--97.7 mi^2.

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

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment. Samples for nutrient and chlorophyll a and b analyses were collected through a sampling zone equal to double the secchi disk depth using the depth-integration sampling technique.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Color, water, fltrd, Pt-Co units (00080)	Sampling depth, meters (00098)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
OCT													
29...	1030	62	1.0	1.40	750	4.5	48	6.8	70	17.8	23	5.58	2.21
29...	1035	--	13.0	--	750	4.5	49	6.8	70	17.8	--	--	--
29...	1040	--	23.0	--	750	.2	2	7.5	212	10.1	--	--	--
APR													
07...	1215	25	1.0	1.00	745	9.9	99	7.5	82	13.9	28	6.55	2.72
07...	1220	--	11.0	--	745	6.8	59	6.6	79	8.2	--	--	--
07...	1225	--	21.7	--	745	5.6	48	6.5	80	7.4	--	--	--
JUN													
29...	1115	25	1.0	1.10	757	6.2	77	7.2	90	25.8	27	6.64	2.60
29...	1120	--	11.0	--	757	.1	2	6.8	96	22.5	--	--	--
29...	1125	--	20.8	--	757	.3	2	6.9	125	8.6	--	--	--
AUG													
18...	1045	25	1.0	1.00	753	3.8	47	6.9	88	25.7	27	6.90	2.47
18...	1050	--	11.0	--	753	1.0	13	6.8	83	24.0	--	--	--
18...	1055	--	22.0	--	753	.2	2	7.4	392	10.2	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Bicarbonate, wat unf incrm. titr., field, mg/L (00450)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
OCT													
29...	2.27	3.48	22	26	3.98	<.2	10.1	3.1	58	.46	.048	.286	E.001
29...	--	--	--	--	--	--	--	--	--	.54	.145	.238	.002
29...	--	--	--	--	--	--	--	--	--	5.8	3.72	E.015	.010
APR													
07...	1.67	5.89	23	28	7.45	<.2	7.03	3.7	66	.37	.023	.220	.003
07...	--	--	--	--	--	--	--	--	--	.35	.024	.371	<.002
07...	--	--	--	--	--	--	--	--	--	.48	.107	.369	<.002
JUN													
29...	1.62	5.87	27	33	7.42	<.2	7.15	4.5	63	.42	E.009	E.009	<.002
29...	--	--	--	--	--	--	--	--	--	.42	.111	<.016	<.002
29...	--	--	--	--	--	--	--	--	--	1.2	.734	.028	.002
AUG													
18...	1.69	5.01	28	34	6.62	<.2	8.01	3.7	53	.48	.038	.079	.053
18...	--	--	--	--	--	--	--	--	--	2.6	2.05	<.016	.005
18...	--	--	--	--	--	--	--	--	--	.59	.129	.090	.033

0208524845 LITTLE RIVER RESERVOIR AT DAM NEAR BAHAMA, NC—Continued

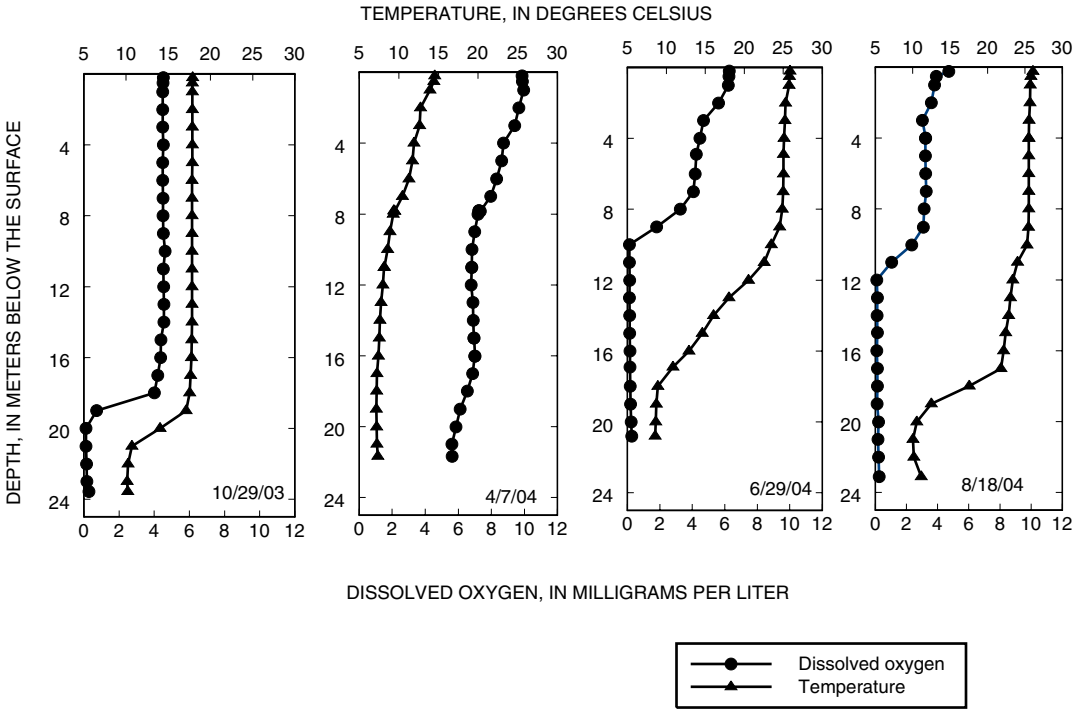
WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Chloro-phyll b phyto-plank-ton, fluoro, ug/L (70954)	Alum-inum, water, unfltrd recover-able, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Cobalt water, unfltrd recover-able, ug/L (01037)	Copper, water, unfltrd recover-able, ug/L (01042)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, unfltrd recover-able, ug/L (01051)
OCT													
29...	<.006	.030	7.3	1.6	<.1	67	<2	<.04	<.8	.207	1.2	340	.22
29...	<.006	.031	--	--	--	--	--	--	--	--	--	380	--
29...	.007	.45	--	--	--	--	--	--	--	--	--	32,800	--
APR													
07...	<.006	.021	6.1	2.9	<.1	42	<2	<.04	<.8	.098	.9	230	.06
07...	<.006	.024	--	--	--	--	--	--	--	--	--	390	--
07...	<.006	.039	--	--	--	--	--	--	--	--	--	930	--
JUN													
29...	<.006	.024	5.9	--	--	--	--	--	--	--	--	90	--
29...	<.006	.018	--	--	--	--	--	--	--	--	--	90	--
29...	.012	.055	--	--	--	--	--	--	--	--	--	2,300	--
AUG													
18...	<.006	.025	6.2	E5.7	E.7	--	--	--	--	--	--	180	--
18...	E.003	.035	--	--	--	--	--	--	--	--	--	360	--
18...	E.003	.028	--	--	--	--	--	--	--	--	--	8,120	--

Date	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Mercury water, unfltrd recover-able, ug/L (71900)	Molyb-denum, water, unfltrd recover-able, ug/L (01062)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selen-ium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover-able, ug/L (01077)
OCT						
29...	348	<.02	E.1	E.46	E.2	<.16
29...	1,110	--	--	--	--	--
29...	15,300	--	--	--	--	--
APR						
07...	27.8	.29	<.2	.25	<.4	<.16
07...	123	--	--	--	--	--
07...	593	--	--	--	--	--
JUN						
29...	176	--	--	--	--	--
29...	908	--	--	--	--	--
29...	6,220	--	--	--	--	--
AUG						
18...	480	--	--	--	--	--
18...	871	--	--	--	--	--
18...	14,600	--	--	--	--	--

Remark codes used in this table:
< -- Less than
E -- Estimated value

0208524845 LITTLE RIVER RESERVOIR AT DAM NEAR BAHAMA, NC—Continued



0208524950 LITTLE RIVER TRIBUTARY AT FAIRNTOSH, NC

LOCATION.--Lat 36°06'57", long 78°51'29", Durham County, Hydrologic Unit 03020201, 0.2 mi above mouth and 0.8 mi northeast of Fairntosh.

DRAINAGE AREA.--0.86 mi^2.

PERIOD OF RECORD.--Water years 1994 to current year.

REMARKS.--Station operated to define the impacts of various land-use development on surface-water quality in the Upper Neuse River basin.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
03...	1200	.34	758	9.8	93	7.1	114	12.6	.29	.35	<.04	--	E.03
DEC													
11...	1200	1.9	749	10.7	96	6.5	140	9.9	.97	.68	<.04	--	.57
FEB													
20...	1130	.93	759	13.8	114	6.7	177	7.1	.34	.26	<.04	--	.19
APR													
08...	1215	.26	742	11.6	119	7.4	198	15.3	.25	.28	<.04	--	E.04
MAY													
03...	1145	4.9	755	9.0	91	6.9	113	15.4	.72	.99	E.03	--	.34
JUN													
04...	1400	3.8	756	7.3	81	7.2	187	20.2	2.3	2.6	.40	.56	.58
JUL													
23...	1100	.46	751	6.7	80	7.0	188	23.5	.87	1.1	E.04	--	.59
AUG													
30...	1030	12	754	7.1	84	6.6	136	23.0	1.4	1.8	.47	.73	.74

Date	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, fltrd, mg/L (00607)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd mg/L (00600)	Aluminum, water, unfltrd recoverable, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Cobalt water, unfltrd recoverable, ug/L (01037)
OCT													
03...	<.008	--	--	E.01	<.04	E.02	--	--	--	--	--	--	--
DEC													
11...	<.008	--	--	E.02	.06	.10	1.5	1.2	--	--	--	--	--
FEB													
20...	E.005	--	--	<.02	<.04	E.03	.53	.45	--	--	--	--	--
APR													
08...	<.008	--	--	<.02	<.04	E.03	--	--	70	<2	<.04	<.8	.400
MAY													
03...	E.004	--	--	.07	.08	.16	1.1	1.3	760	E1	<.04	E.7	.683
JUN													
04...	.024	1.9	2.2	.05	.06	.16	2.9	3.1	--	--	--	--	--
JUL													
23...	E.004	--	--	.05	.07	.14	1.5	1.7	--	--	--	--	--
AUG													
30...	.010	.88	1.3	.43	.46	.57	2.1	2.5	--	--	--	--	--

0208524950 LITTLE RIVER TRIBUTARY AT FAIRNTOSH, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Copper, water, unfltrd recover -able, ug/L (01042)	Iron, water, unfltrd recover -able, ug/L (01045)	Lead, water, unfltrd recover -able, ug/L (01051)	Mangan- ese, water, unfltrd recover -able, ug/L (01055)	Mercury water, unfltrd recover -able, ug/L (71900)	Molyb- denum, water, unfltrd recover -able, ug/L (01062)	Nickel, water, unfltrd recover -able, ug/L (01067)	Selen- ium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover -able, ug/L (01077)	Zinc, water, unfltrd recover -able, ug/L (01092)	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)
OCT 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 08...	1.2	680	.15	291	<.02	.2	.52	<.4	<.16	<2	--	--	--
MAY 03...	4.9	1,010	1.01	159	E.01	E.1	.80	E.2	<.16	5	<.009	.24	<.02
JUN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	2,6-Di- ethyl- aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	OIET, water, fltrd, ug/L (50355)	3- Hydroxy carbo- furan, wat flt 0.7u GF ug/L (49308)	3-Keto- carbo- furan, water, fltrd, ug/L (50295)	Aceto- chlor, water, fltrd, ug/L (49260)	Aci- fluor- fen, water, fltrd 0.7u GF ug/L (49315)	Ala- chlor, water, fltrd, ug/L (46342)	Aldi- carb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldi- carb sulf- oxide, wat flt 0.7u GF ug/L (49314)	Aldi- carb, water, fltrd 0.7u GF ug/L (49312)	Aldrin, water, unfltrd ug/L (39330)
OCT 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 03...	<.006	<.006	E.59	<.008	<.006	<.014	<.006	<.007	<.005	<.02	<.008	<.04	<.01
JUN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	alpha- Endo- sulfan, water, unfltrd ug/L (39388)	alpha- HCH, water, fltrd, ug/L (34253)	Atra- zine, water, fltrd, ug/L (39632)	Azin- phos- methyl, water, fltrd 0.7u GF ug/L (82686)	Bendio- carb, water, fltrd, ug/L (50299)	Ben- flur- alin, water, fltrd 0.7u GF ug/L (82673)	Benomyl water, fltrd, ug/L (50300)	Bensul- furon, water, fltrd, ug/L (61693)	Ben- tazon, water, fltrd 0.7u GF ug/L (38711)	Broma- cil, water, fltrd, ug/L (04029)	Brom- oxynil, water, fltrd 0.7u GF ug/L (49311)	Butyl- ate, water, fltrd, ug/L (04028)	Caf- feine, water, fltrd, ug/L (50305)
OCT 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 03...	<.03	<.005	.009	<.050	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.004	<.0096
JUN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 30...	--	--	--	--	--	--	--	--	--	--	--	--	--

0208524950 LITTLE RIVER TRIBUTARY AT FAIRNTOSH, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Carbaryl, water, fltrd 0.7u GF ug/L (49310)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (49309)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Carbophenothion, water, unfltrd ug/L (39786)	Chlorambenmethyl ester, water, fltrd, ug/L (61188)	Chlordane, technical, water, unfltrd ug/L (39350)	Chlorimuron, water, fltrd, ug/L (50306)	Chlorodiamino-s-triazine, wat flt ug/L (04039)	Chlorothalonil, water, fltrd 0.7u GF ug/L (49306)	Chlorpyrifos water, fltrd, ug/L (38933)	Chlorpyrifos water unfltrd ug/L (38932)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)
OCT													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
03...	M	E.013	<.006	<.020	<.02	<.02	<.1	<.010	E1.24	<.04	<.005	<.01	<.006
JUN													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Clopyralid, water, fltrd 0.7u GF ug/L (49305)	Cyanazine, water, fltrd, ug/L (04041)	Cycloate, water, fltrd, ug/L (04031)	Dacthal monoacid, water, fltrd 0.7u GF ug/L (49304)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Diazinon, water, unfltrd ug/L (39570)	Dicamba water fltrd 0.7u GF ug/L (38442)	Dichlorprop, water, fltrd 0.7u GF ug/L (49302)	Dieldrin, water, fltrd, ug/L (39381)	Dieldrin, water, unfltrd ug/L (39380)	Dinoseb water, fltrd 0.7u GF ug/L (49301)
OCT													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
03...	<.01	<.018	<.01	<.01	<.003	<.012	<.005	<.02	.03	.02	<.009	<.016	<.01
JUN													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Diphenamid, water, fltrd, ug/L (04033)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	Disulfoton, water, unfltrd ug/L (39011)	Diuron, water, fltrd 0.7u GF ug/L (49300)	Endrin, water, unfltrd ug/L (39390)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethion, water, unfltrd ug/L (39398)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)
OCT													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
03...	<.03	<.02	<.10	E4.95	<.01	<.004	<.009	<.01	<.005	<.03	<.029	<.013	E.007
JUN													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
30...	--	--	--	--	--	--	--	--	--	--	--	--	--

0208524950 LITTLE RIVER TRIBUTARY AT FAIRNTOSH, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Fipronil, water, fltrd, ug/L (62166)	Flumetsulam, water, fltrd, ug/L (61694)	Fluometuron water fltrd 0.7u GF ug/L (38811)	Fonofos water, fltrd, ug/L (04095)	Fonofos water unfltrd ug/L (82614)	Heptachlor epoxide water unfltrd ug/L (39420)	Heptachlor, water, unfltrd ug/L (39410)	Imazaquin, water, fltrd, ug/L (50356)	Imazethapyr, water, fltrd, ug/L (50407)	Imidacloprid water, fltrd, ug/L (61695)	Lindane water, fltrd, ug/L (39341)	Lindane water, unfltrd ug/L (39340)	Linuron water fltrd 0.7u GF ug/L (38478)
OCT 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 03...	E.021	<.01	<.03	<.003	<.01	<.009	<.01	<.02	<.02	E.049	<.004	<.014	<.01
JUN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Malathion, water, unfltrd ug/L (39530)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Metalaxyl, water, fltrd, ug/L (50359)	Methiocarb, water, fltrd 0.7u GF ug/L (38501)	Methomyl, water, fltrd 0.7u GF ug/L (49296)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Methyl parathion, water, unfltrd ug/L (39600)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Metsulfuron, water, fltrd, ug/L (61697)
OCT 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 03...	<.035	<.027	<.10	<.02	<.01	E.01	<.008	<.004	<.015	<.01	E.007	<.006	<.03
JUN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Mirex, water, unfltrd ug/L (39755)	Molinate, water, fltrd 0.7u GF ug/L (82671)	N-(4-Chlorophenyl) -N-' methylurea, ug/L (61692)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nicosulfuron, water, fltrd, ug/L (50364)	Norflurazon, water, fltrd 0.7u GF ug/L (49293)	Oryzalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	p,p-' DDD, water, unfltrd ug/L (39360)	p,p-' DDE, water, fltrd, ug/L (34653)	p,p-' DDE, water, unfltrd ug/L (39365)	p,p-' DDT, water, unfltrd ug/L (39370)
OCT 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 03...	<.006	<.003	<.02	<.007	<.01	<.01	<.02	<.02	<.01	<.016	<.003	<.014	<.010
JUN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 30...	--	--	--	--	--	--	--	--	--	--	--	--	--

0208524950 LITTLE RIVER TRIBUTARY AT FAIRNTOSH, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	p,p-' Methoxychlor, water, unfltrd ug/L (39480)	Parathion, water, fltrd, ug/L (39542)	Parathion, water, unfltrd ug/L (39540)	PCBs, water, unfltrd ug/L (39516)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Phorate water unfltrd ug/L (39023)	Picloram, water, fltrd 0.7u GF ug/L (49291)	Prometon, water, fltrd, ug/L (04037)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)
OCT													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
03...	<.006	<.010	<.01	<.1	<.004	.024	<.011	<.02	<.02	.01	.249	<.025	<.011
JUN													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Propargite, water, fltrd 0.7u GF ug/L (82685)	Propham water fltrd 0.7u GF ug/L (49236)	Propiconazole, water, fltrd, ug/L (50471)	Propoxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Simazine, water, fltrd, ug/L (04035)	Sulfometruron, water, fltrd, ug/L (50337)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbacil, water, fltrd, ug/L (04032)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Toxaphene, water, unfltrd ug/L (39400)
OCT													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
03...	<.02	<.010	<.02	<.008	<.02	.648	E.239	<.02	<.034	<.010	<.02	<.010	<1
JUN													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Triallate, water, fltrd 0.7u GF ug/L (82678)	Tribuphos, water, unfltrd ug/L (39040)	Triclopyr, water, fltrd 0.7u GF ug/L (49235)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT						
03...	--	--	--	--	7	.01
DEC						
11...	--	--	--	--	23	.12
FEB						
20...	--	--	--	--	5	.01
APR						
08...	--	--	--	--	7	.00
MAY						
03...	<.002	<.02	.37	<.009	41	.55
JUN						
04...	--	--	--	--	117	1.2
JUL						
23...	--	--	--	--	27	.03
AUG						
30...	--	--	--	--	109	3.6

0208524975 LITTLE RIVER BELOW LITTLE RIVER TRIBUTARY AT FAIRNTOSH, NC

LOCATION.--Lat 36°06'47", long 78°51'34", Durham County, Hydrologic Unit 03020201, 125 ft downstream of the mouth of Little River tributary and 0.5 mi downstream of Little River dam.

DRAINAGE AREA.--98.9 mi^2.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Elevation of gage is 270 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Daily discharges for the period Aug. 21 to Sep. 30 are poor due to the effects of beaver dams on the gage height-discharge relationship. Flow regulated by releases from the Little River Reservoir. Maximum discharge for period of record from extension of rating curve based on contracted-opening measurement of peak flow. Maximum gage height for period of record from floodmarks. Instantaneous low flow for the period of record not determined due to the effects of beaver dams on the gage height-discharge relationship. Maximum peak flow for the current year also occurred on Aug. 31.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e4.0	22	24	19	49	41	192	11	5.4	4.2	3.4	136
2	e3.4	21	15	21	31	35	240	34	3.7	4.2	8.8	40
3	e3.1	8.9	7.5	22	259	42	109	88	4.2	4.1	7.1	21
4	e3.1	11	13	20	397	42	80	83	4.8	4.0	3.6	10
5	e3.2	8.4	25	23	163	35	48	42	4.5	4.2	4.5	5.5
6	e3.6	6.0	29	25	122	34	35	23	4.4	4.0	5.0	8.0
7	3.3	12	26	22	394	33	32	15	4.6	3.9	3.3	19
8	3.4	13	18	17	220	32	28	8.6	4.9	3.9	3.2	76
9	3.4	8.2	16	21	113	17	30	8.7	4.6	3.9	3.1	321
10	3.5	6.5	53	19	77	15	27	8.4	3.7	4.3	3.1	113
11	4.6	7.4	916	16	60	13	22	8.3	4.1	4.7	5.0	46
12	8.7	8.5	301	17	63	16	41	8.6	4.4	4.6	6.9	22
13	15	13	127	19	83	11	121	8.5	3.7	4.5	11	6.0
14	7.6	3.3	493	16	74	12	167	8.7	3.5	3.9	17	5.6
15	19	2.1	498	15	60	14	148	8.6	3.5	3.9	8.5	6.3
16	17	2.5	203	10	64	32	91	8.6	5.6	3.9	4.8	5.5
17	18	3.7	157	11	68	43	50	8.6	4.3	3.9	3.9	28
18	8.8	3.9	185	18	61	48	39	8.7	3.7	4.8	3.5	132
19	6.1	12	122	19	62	35	38	8.6	3.6	3.8	3.4	117
20	3.3	57	80	15	57	24	28	8.6	3.5	8.6	3.3	50
21	4.0	54	52	12	51	24	20	8.3	3.7	3.4	12	20
22	6.5	30	43	12	44	17	20	8.1	3.9	5.4	5.4	8.1
23	3.3	18	37	10	34	12	15	14	5.0	4.4	2.9	3.9
24	2.9	14	43	14	28	12	16	9.1	4.5	3.7	2.9	4.6
25	3.0	11	39	14	25	11	10	8.5	4.0	3.3	2.8	3.7
26	3.1	8.2	36	26	24	11	11	8.1	6.1	3.3	2.6	3.6
27	4.1	7.5	33	21	29	17	18	8.1	4.1	7.0	2.9	4.5
28	6.7	16	26	18	35	16	11	8.1	4.0	4.9	3.2	6.9
29	63	28	29	12	39	17	9.4	8.1	4.4	4.0	3.2	4.5
30	94	37	25	18	---	12	9.4	9.9	4.0	4.1	445	4.8
31	46	---	27	41	---	16	---	8.3	---	3.3	822	---
TOTAL	378.7	454.1	3,698.5	563	2,786	739	1,705.8	506.1	128.4	134.1	1,417.3	1,232.5
MEAN	12.2	15.1	119	18.2	96.1	23.8	56.9	16.3	4.28	4.33	45.7	41.1
MAX	94	57	916	41	397	48	240	88	6.1	8.6	822	321
MIN	2.9	2.1	7.5	10	24	11	9.4	8.1	3.5	3.3	2.6	3.6

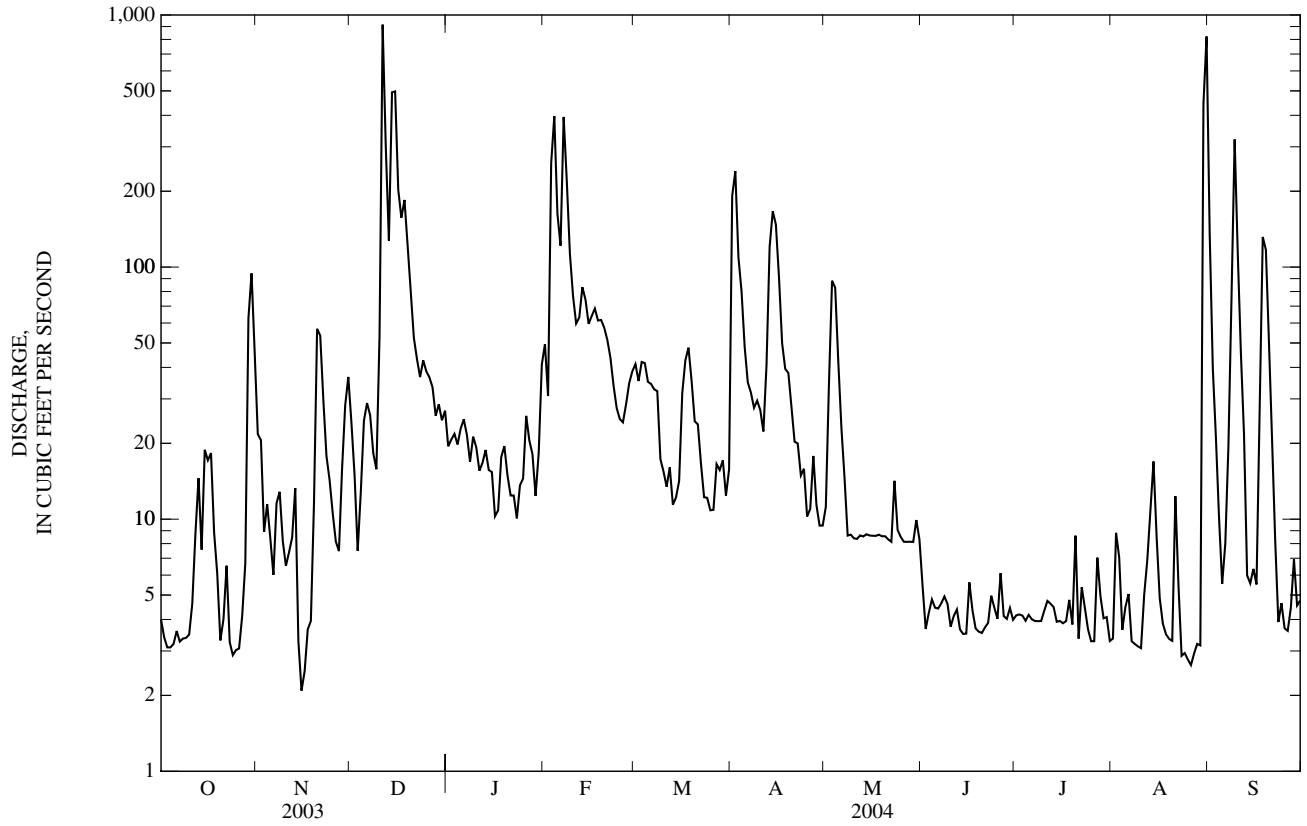
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

MEAN	33.8	41.1	86.9	89.7	154	212	155	53.5	25.1	19.5	25.1	132
MAX	178	149	290	333	509	705	510	260	162	146	132	538
(WY)	(2003)	(1996)	(2003)	(1998)	(1998)	(1998)	(2003)	(2003)	(2003)	(2003)	(2003)	(1996)
MIN	2.02	2.03	1.07	1.15	2.99	4.46	6.09	5.69	1.30	1.16	1.57	0.95
(WY)	(1998)	(2001)	(2001)	(2001)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

0208524975 LITTLE RIVER BELOW LITTLE RIVER TRIBUTARY AT FAIRNTOSH, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1996 - 2004	
ANNUAL TOTAL	67,915.9		13,743.5			
ANNUAL MEAN	186		37.6		80.6	
HIGHEST ANNUAL MEAN					224	2003
LOWEST ANNUAL MEAN					3.39	2002
HIGHEST DAILY MEAN	4,370	Mar 20	916	Dec 11	10,300	Sep 6, 1996
LOWEST DAILY MEAN	2.1	Nov 15	2.1	Nov 15	0.41	Nov 22, 1998
ANNUAL SEVEN-DAY MINIMUM	3.3	Oct 2	2.9	Aug 23	0.51	Sep 7, 2002
MAXIMUM PEAK FLOW			1,790	Aug 30	16,600*	Sep 6, 1996
MAXIMUM PEAK STAGE			7.97	Aug 30	17.27	Sep 6, 1996
INSTANTANEOUS LOW FLOW			0.97	Sep 5	NOT DETERMINED*	
10 PERCENT EXCEEDS	405		78		132	
50 PERCENT EXCEEDS	40		12		7.2	
90 PERCENT EXCEEDS	7.6		3.5		1.7	

* See REMARKS.
e Estimated.



0208524975 LITTLE RIVER BELOW LITTLE RIVER TRIBUTARY AT FAIRNTOSH, NC—Continued

WATER-QUALITY RECORDS

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

REMARKS.--Station operated to define the impacts of various land-use development on surface-water quality in the Upper Neuse River basin.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
03...	1245	3.9	758	7.8	84	6.9	79	19.1	.42	.46	.05	--	.21
DEC													
11...	1230	1,170	749	11.6	106	7.1	76	10.4	.61	.52	E.02	.29	.31
FEB													
20...	1215	57	759	14.8	122	7.2	80	6.8	.38	.46	<.04	--	.35
APR													
08...	1315	28	742	10.7	109	7.5	89	14.9	.26	.39	<.04	--	.24
MAY													
03...	1215	72	755	7.7	78	7.2	102	15.7	.41	.55	<.04	--	.22
JUN													
04...	1145	4.5	755	6.0	71	6.8	101	22.9	.37	.52	.09	--	.14
JUL													
23...	1015	4.2	751	5.6	71	6.9	117	26.3	.52	.69	.07	--	.25
AUG													
30...	1415	110	754	7.5	88	6.6	81	23.0	1.0	1.4	.27	--	.35

Date	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, fltrd, mg/L (00607)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd mg/L (00600)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT										
03...	E.004	.37	.41	E.01	E.02	E.02	.64	.68	3	.03
DEC										
11...	.014	--	--	<.02	<.04	E.03	.91	.82	5	16
FEB										
20...	E.005	--	--	<.02	<.04	E.03	.73	.82	5	.77
APR										
08...	<.008	--	--	<.02	<.04	E.02	.51	.64	4	.30
MAY										
03...	<.008	--	--	<.02	<.04	.05	.63	.77	49	9.5
JUN										
04...	E.005	.28	.43	<.02	<.04	E.04	.51	.66	8	.10
JUL										
23...	E.004	.45	.62	.03	.05	.08	.77	.94	16	.18
AUG										
30...	E.005	.77	1.2	.32	.34	.45	1.4	1.8	266	79

02085500 FLAT RIVER AT BAHAMA, NC

LOCATION.--Lat 36°10'58", long 78°52'44", Durham County, Hydrologic Unit 03020201, on right bank 0.5 mi upstream from Lake Michie, 1.2 mi upstream from bridge on Secondary Road 1616, 1.2 mi north of Bahama, and 1.5 mi upstream from Dial Creek.

DRAINAGE AREA.--149 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1925 to current year.

REVISED RECORDS.--WSP 1333: 1926, 1928(M), 1938, 1946. WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 346.85 ft above NGVD of 1929. Prior to Oct. 22, 1925, nonrecording gage at present site at 346.27 ft. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair except those above 150 ft^3/s, which are poor. Prior to December 1962, some diurnal fluctuation and infrequent regulation at low flow caused by small mill 5 mi upstream. Maximum discharge for period of record from rating curve extended above 18,000 ft^3/s, on basis of slope-conveyance measurement of peak flow; maximum gage height, 17.26 ft, from high-water mark inside gage shelter. Minimum discharge for period of record also occurred June 26, July 22, 2002.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	77	88	90	120	70	866	61	41	10	34	216
2	57	66	74	86	104	68	370	68	33	7.7	193	106
3	55	61	66	85	597	72	183	304	30	7.0	565	70
4	53	57	63	85	547	73	137	161	29	7.2	122	50
5	51	55	90	87	244	68	115	109	168	8.0	37	39
6	50	56	133	97	204	66	103	85	65	6.9	52	35
7	49	57	100	92	679	65	96	72	34	5.9	37	76
8	48	66	82	82	311	59	91	63	23	5.2	22	282
9	54	59	73	80	187	56	87	59	22	4.1	14	539
10	63	56	137	83	152	54	81	55	16	3.4	9.9	134
11	66	53	1,630	80	129	52	79	51	14	2.8	7.9	61
12	76	53	361	78	118	51	96	48	20	2.6	9.3	41
13	62	51	200	83	157	49	396	46	27	2.6	16	33
14	56	48	1,020	85	127	47	362	44	17	3.3	743	29
15	76	47	696	81	109	47	304	42	14	2.5	472	28
16	86	47	319	77	113	56	171	41	14	1.9	139	37
17	61	47	301	73	127	106	130	75	15	1.7	61	37
18	53	49	401	78	113	98	114	65	15	2.3	39	353
19	49	69	225	97	124	72	104	47	12	2.1	29	215
20	48	256	168	89	118	63	95	43	9.2	3.3	24	77
21	46	129	139	78	102	58	88	40	7.3	1.9	19	44
22	46	90	125	74	87	54	82	38	6.4	3.6	17	35
23	43	75	118	74	75	50	76	36	6.7	5.3	15	30
24	42	67	118	72	73	48	71	37	8.3	5.5	13	26
25	41	64	125	72	69	46	68	34	7.9	8.7	12	23
26	42	64	113	77	65	46	68	30	9.4	8.2	10	22
27	45	61	104	81	66	45	77	41	10	5.3	8.7	22
28	52	61	101	77	82	45	79	58	12	5.7	7.9	24
29	250	167	96	76	80	44	65	40	15	18	7.4	32
30	185	124	96	90	---	43	61	36	12	166	1,820	33
31	97	---	94	150	---	48	---	40	---	44	1,670	---
TOTAL	2,062	2,232	7,456	2,609	5,079	1,819	4,715	1,969	713.2	362.7	6,226.1	2,749
MEAN	66.5	74.4	241	84.2	175	58.7	157	63.5	23.8	11.7	201	91.6
MAX	250	256	1,630	150	679	106	866	304	168	166	1,820	539
MIN	41	47	63	72	65	43	61	30	6.4	1.7	7.4	22
CFSM	0.45	0.50	1.61	0.56	1.18	0.39	1.05	0.43	0.16	0.08	1.35	0.61
IN.	0.51	0.56	1.86	0.65	1.27	0.45	1.18	0.49	0.18	0.09	1.55	0.69

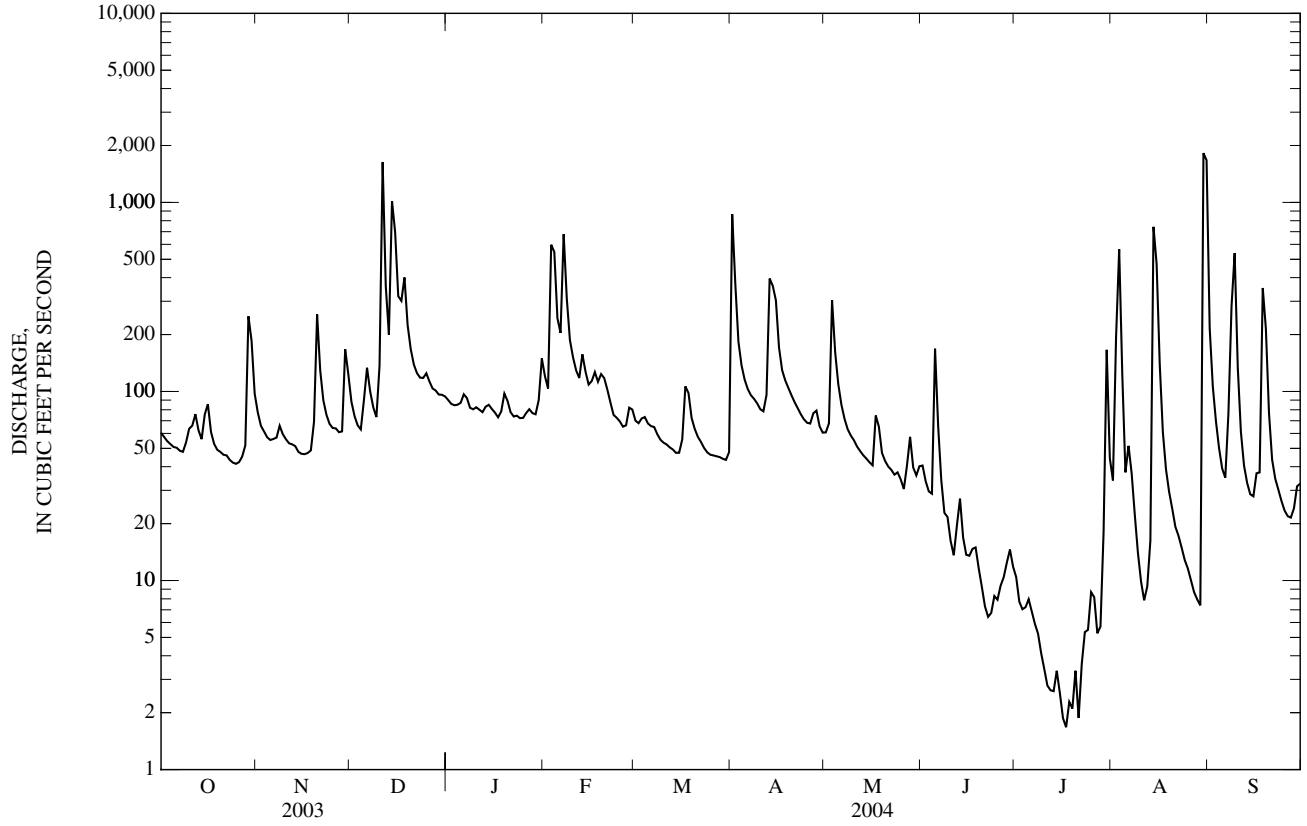
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2004, BY WATER YEAR (WY)

MEAN	68.0	94.5	132	219	270	288	225	114	80.4	85.9	75.2	86.8
MAX	561	489	421	761	758	948	656	573	551	798	431	984
(WY)	(1972)	(1986)	(1973)	(1936)	(1998)	(1998)	(2003)	(1978)	(1938)	(1975)	(1939)	(1996)
MIN	1.24	0.71	1.81	4.29	39.4	58.7	31.1	19.3	3.85	1.68	2.93	0.71
(WY)	(1942)	(1934)	(1934)	(1934)	(2002)	(2004)	(1942)	(2002)	(2002)	(2002)	(1977)	(1968)

02085500 FLAT RIVER AT BAHAMA, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1925 - 2004	
ANNUAL TOTAL	108,832		37,992.0			
ANNUAL MEAN	298		104		144	
HIGHEST ANNUAL MEAN					347	2003
LOWEST ANNUAL MEAN					25.2	2002
HIGHEST DAILY MEAN	5,680	Mar 20	1,820	Aug 30	21,800	Sep 6, 1996
LOWEST DAILY MEAN	24	Aug 30	1.7	Jul 17	0.17	Jun 25, 2002
ANNUAL SEVEN-DAY MINIMUM	29	Aug 24	2.2	Jul 15	0.24	Jun 19, 2002
MAXIMUM PEAK FLOW			5,880	Aug 30	33800*	Sep 6, 1996
MAXIMUM PEAK STAGE			7.67	Aug 30	17.26*	Sep 6, 1996
INSTANTANEOUS LOW FLOW			1.5	Jul 17	0.15*	Jun 25, 2002
ANNUAL RUNOFF (CFSM)	2.00		0.697		0.969	
ANNUAL RUNOFF (INCHES)	27.17		9.49		13.17	
10 PERCENT EXCEEDS	675		184		282	
50 PERCENT EXCEEDS	105		62		50	
90 PERCENT EXCEEDS	47		9.1		6.9	

* See REMARKS.



02085500 FLAT RIVER AT BAHAMA, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1988 to current year.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment and to define the impacts of various land-use development on surface-water quality in the Upper Neuse River basin.

COOPERATION.--For the period February 1988 through June 1989 the inorganic-chemical data and trace-metal data were analyzed by the city of Durham's Brown Water Treatment Laboratory.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT													
03...	1430	54	--	758	7.6	83	6.9	79	19.1	--	--	--	--
DEC													
11...	1345	1,330	--	746	12.1	108	6.7	56	9.2	--	--	--	--
FEB													
20...	1415	114	--	759	13.5	110	7.1	85	6.6	--	--	--	--
APR													
08...	1515	91	--	742	10.3	107	7.5	80	15.7	--	--	--	--
MAY													
03...	1330	440	250	755	9.4	100	7.3	68	17.8	20	4.64	1.97	1.77
03...	1335	440	--	755	8.8	93	7.3	68	17.8	--	--	--	--
JUN													
04...	1230	30	--	755	6.5	76	7.2	87	22.9	--	--	--	--
JUL													
23...	1400	4.3	--	748	5.6	72	7.0	94	27.2	--	--	--	--
AUG													
30...	1215	43	--	754	7.0	83	7.1	73	23.2	--	--	--	--

Date	Sodium, water, fltrd, mg/L (00930)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, fltrd, mg/L (00607)
OCT													
03...	--	--	--	--	--	--	.22	.23	<.04	--	.27	<.008	--
DEC													
11...	--	--	--	--	--	--	1.5	1.2	<.04	.43	.44	.008	--
FEB													
20...	--	--	--	--	--	--	.18	.24	<.04	--	.35	E.006	--
APR													
08...	--	--	--	--	--	--	.22	.28	<.04	--	.14	<.008	--
MAY													
03...	4.70	5.34	<.2	11.5	2.9	57	--	2.1	.072	.38	.384	.009	--
03...	--	--	--	--	--	--	.50	1.2	.07	.35	.36	.009	.44
JUN													
04...	--	--	--	--	--	--	.29	.39	.07	--	.21	<.008	.22
JUL													
23...	--	--	--	--	--	--	.31	.40	E.04	--	.10	<.008	--
AUG													
30...	--	--	--	--	--	--	.32	.64	<.04	--	.15	<.008	--

02085500 FLAT RIVER AT BAHAMA, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	Aluminum, water, unfltrd recoverable, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Cobalt water, unfltrd recoverable, ug/L (01037)	Copper, water, unfltrd recoverable, ug/L (01042)
OCT													
03...	--	E.01	<.04	E.02	.48	.50	--	--	--	--	--	--	--
DEC													
11...	--	E.01	.06	.18	1.9	1.7	--	--	--	--	--	--	--
FEB													
20...	--	<.02	<.04	.04	.54	.60	--	--	--	--	--	--	--
APR													
08...	--	<.02	<.04	E.03	.35	.42	--	--	--	--	--	--	--
MAY													
03...	2.0	E.004	--	.168	--	2.5	13.6	1,260	<2	.04	1.3	1.54	3.8
03...	1.1	<.02	<.04	.18	.86	1.5	--	--	--	--	--	--	--
JUN													
04...	.32	E.01	<.04	.04	.50	.59	--	--	--	--	--	--	--
JUL													
23...	--	<.02	<.04	E.03	.41	.50	--	--	--	--	--	--	--
AUG													
30...	--	<.02	<.04	.12	.47	.79	--	--	--	--	--	--	--

Date	Iron, water, unfltrd recoverable, ug/L (01045)	Lead, water, unfltrd recoverable, ug/L (01051)	Manganese, water, unfltrd recoverable, ug/L (01055)	Mercury water, unfltrd recoverable, ug/L (71900)	Molybdenum, water, unfltrd recoverable, ug/L (01062)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recoverable, ug/L (01077)	Zinc, water, unfltrd recoverable, ug/L (01092)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT											
03...	--	--	--	--	--	--	--	--	--	4	.58
DEC											
11...	--	--	--	--	--	--	--	--	--	123	442
FEB											
20...	--	--	--	--	--	--	--	--	--	8	2.5
APR											
08...	--	--	--	--	--	--	--	--	--	8	2.0
MAY											
03...	3,070	3.18	278	E.01	<.2	1.11	E.2	<.16	12	136	162
03...	--	--	--	--	--	--	--	--	--	--	--
JUN											
04...	--	--	--	--	--	--	--	--	--	17	1.4
JUL											
23...	--	--	--	--	--	--	--	--	--	10	.12
AUG											
30...	--	--	--	--	--	--	--	--	--	124	14

02086490 LAKE MICHIE AT DAM NEAR BAHAMA, NC

LOCATION.--Lat 36°09'03", long 78°49'48", Durham County, Hydrologic Unit 03020201, at dam 3.0 mi southeast of Bahama.

DRAINAGE AREA.--167 mi^2.

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

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment. Samples for nutrient and chlorophyll a and b analyses were collected through a sampling zone equal to double the secchi disk depth using the depth-integration sampling technique.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Color, water, fltrd, Pt-Co units (00080)	Sampling depth, meters (00098)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
OCT													
29...	0930	75	1.0	.80	752	5.0	53	6.8	68	16.8	21	5.06	2.14
29...	0935	--	6.0	--	752	5.1	53	6.8	68	16.7	--	--	--
29...	0940	--	11.0	--	752	.2	2	6.8	82	14.4	--	--	--
APR													
07...	0930	38	1.0	.70	745	7.9	77	7.2	78	13.0	25	5.72	2.52
07...	0935	--	6.0	--	745	7.2	67	7.2	76	10.8	--	--	--
07...	0940	--	13.3	--	745	6.9	58	6.5	76	7.2	--	--	--
JUN													
29...	0900	20	1.0	1.30	757	6.5	82	7.5	81	27.4	24	5.73	2.44
29...	0905	--	6.0	--	757	.1	2	6.6	88	20.8	--	--	--
29...	0910	--	11.0	--	757	.5	5	6.4	79	8.6	--	--	--
AUG													
18...	0930	25	1.0	.70	759	1.8	21	6.7	100	23.9	21	4.90	2.11
18...	0935	--	6.0	--	759	1.8	20	6.7	69	19.8	--	--	--
18...	0940	--	12.0	--	759	.3	2	6.7	86	9.5	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Bicarbonate, wat unf incrm. titr., field, mg/L (00450)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
OCT													
29...	2.65	3.95	21	26	4.33	<.2	10.6	3.5	57	.61	.173	.090	.010
29...	--	--	--	--	--	--	--	--	--	.59	.186	.097	.010
29...	--	--	--	--	--	--	--	--	--	.85	.419	.020	.003
APR													
07...	1.59	6.40	21	26	7.15	<.2	9.85	3.7	55	.45	E.009	.206	.002
07...	--	--	--	--	--	--	--	--	--	.43	.042	.322	E.001
07...	--	--	--	--	--	--	--	--	--	.32	<.010	.459	<.002
JUN													
29...	1.57	6.03	21	26	6.29	<.2	10.2	3.7	57	.43	<.010	<.016	<.002
29...	--	--	--	--	--	--	--	--	--	.38	E.009	<.016	<.002
29...	--	--	--	--	--	--	--	--	--	.37	.038	.394	.007
AUG													
18...	1.85	4.60	23	28	5.23	<.2	10.0	3.5	54	.60	.046	E.012	E.001
18...	--	--	--	--	--	--	--	--	--	.77	.160	.062	.005
18...	--	--	--	--	--	--	--	--	--	.60	.250	.204	.007

02086490 LAKE MICHIE AT DAM NEAR BAHAMA, NC—Continued

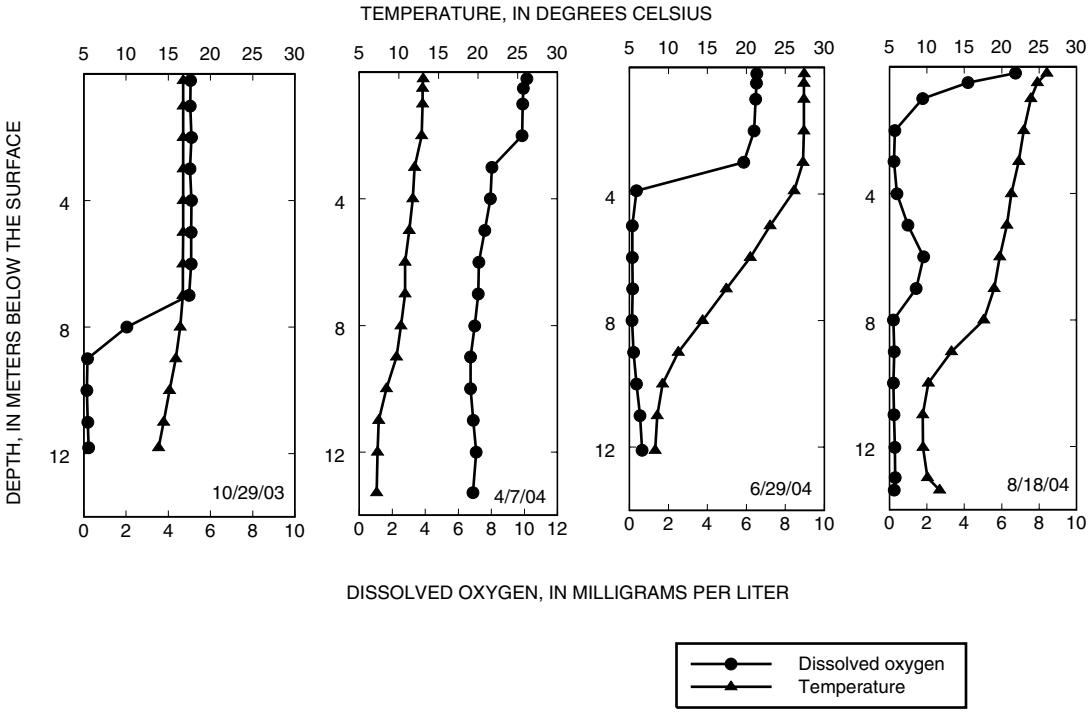
WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Chloro-phyll b phyto-plank-ton, fluoro, ug/L (70954)	Alum-inum, water, unfltrd recover-able, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Cobalt water, unfltrd recover-able, ug/L (01037)	Copper, water, unfltrd recover-able, ug/L (01042)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, unfltrd recover-able, ug/L (01051)
OCT													
29...	<.006	.037	7.8	1.1	<.1	134	<2	<.04	<.8	.289	1.8	730	.44
29...	<.006	.036	--	--	--	--	--	--	--	--	--	770	--
29...	E.003	.049	--	--	--	--	--	--	--	--	--	660	--
APR													
07...	<.006	.028	6.4	8.0	<.1	72	<2	<.04	<.8	.394	1.0	480	.43
07...	<.006	.034	--	--	--	--	--	--	--	--	--	670	--
07...	<.006	.027	--	--	--	--	--	--	--	--	--	630	--
JUN													
29...	<.006	.023	6.7	6.0	E.9	--	--	--	--	--	--	80	--
29...	<.006	.024	--	--	--	--	--	--	--	--	--	960	--
29...	E.003	.025	--	--	--	--	--	--	--	--	--	880	--
AUG													
18...	<.006	.028	8.3	E7.3	<.1	--	--	--	--	--	--	250	--
18...	E.004	.055	--	--	--	--	--	--	--	--	--	1,450	--
18...	.007	.046	--	--	--	--	--	--	--	--	--	1,950	--

Date	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Mercury water, unfltrd recover-able, ug/L (71900)	Molyb-denum, water, unfltrd recover-able, ug/L (01062)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selen-ium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover-able, ug/L (01077)
OCT						
29...	169	E.02	E.1	E.58	<.4	<.16
29...	173	--	--	--	--	--
29...	1,650	--	--	--	--	--
APR						
07...	47.0	<.02	<.2	.37	<.4	<.16
07...	82.7	--	--	--	--	--
07...	96.8	--	--	--	--	--
JUN						
29...	25.5	--	--	--	--	--
29...	574	--	--	--	--	--
29...	461	--	--	--	--	--
AUG						
18...	79.1	--	--	--	--	--
18...	593	--	--	--	--	--
18...	857	--	--	--	--	--

Remark codes used in this table:
< -- Less than
E -- Estimated value

02086490 LAKE MICHIE AT DAM NEAR BAHAMA, NC—Continued



02086500 FLAT RIVER AT DAM NEAR BAHAMA, NC

LOCATION.--Lat 36°08'55", long 78°49'44", Durham County, Hydrologic Unit 03020201, on right bank 900 ft downstream from Durham municipal dam, 3 mi southeast of Bahama, and 5 mi upstream from confluence with Eno River.

DRAINAGE AREA.--168 mi^2.

PERIOD OF RECORD.--September 1927 to September 1959, August 1961 to September 1966, October 1982 to September 1990, October 1992 to September 1993, October 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is 256.6 ft above NGVD of 1929. U.S. Army Corps of Engineers satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow regulated by Lake Michie (station 02086490). An average of 28.2 ft^3/s was diverted above station from Lake Michie and Little River Lake. About 13.2 ft^3/s of treated effluent was returned to tributaries downstream. No flow also occurred on Sept. 4-14, 1938 (result of construction work upstream), Sept. 26-30, 1965, and Oct. 1-3, 5, 1988. No flow occurs many times most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 6, 1996, reached a stage of 23.48 ft, present datum, from floodmarks; discharge, 20,900 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	79	98	71	140	99	626	41	41	0.02	0.03	351
2	37	58	68	67	103	97	582	69	42	0.02	0.03	162
3	34	48	54	65	448	102	256	279	13	0.02	227	97
4	34	41	50	64	810	102	172	248	0.29	0.02	195	65
5	34	38	70	69	e253	96	118	133	0.14	0.02	70	50
6	34	38	129	79	e202	93	92	82	0.11	0.01	52	44
7	34	38	114	75	e371	90	80	60	0.12	0.01	48	79
8	34	41	83	64	e754	83	73	49	0.23	0.01	35	217
9	34	46	66	63	e130	70	68	41	0.18	0.01	35	692
10	35	41	92	62	194	68	61	39	0.10	0.01	36	232
11	35	37	1,750	59	166	62	58	38	0.08	0.01	37	109
12	39	35	554	e56	156	60	75	38	0.06	0.01	39	68
13	44	35	266	e60	183	57	361	38	0.04	0.01	40	50
14	41	33	956	e61	172	54	412	39	0.03	0.01	362	42
15	49	31	1,010	e71	148	57	387	40	0.04	0.01	798	41
16	64	31	431	e69	147	72	238	41	0.06	0.01	247	40
17	53	31	334	e66	157	111	159	41	0.07	0.01	121	73
18	42	31	480	e61	150	144	119	42	0.16	0.02	71	419
19	36	36	290	72	e160	114	97	42	0.71	0.01	48	340
20	35	252	208	75	e150	91	83	42	0.19	0.03	42	149
21	35	190	160	54	e135	80	73	42	0.03	0.01	41	80
22	35	103	133	51	e125	66	61	43	0.03	0.02	42	55
23	35	71	119	52	e120	59	56	43	0.03	0.02	42	45
24	35	57	118	48	100	54	52	43	0.03	0.02	42	42
25	35	48	122	55	95	51	48	43	0.05	0.01	42	41
26	35	45	112	61	88	61	48	42	0.05	0.01	42	e40
27	35	43	95	60	91	65	49	42	0.03	0.02	42	e38
28	34	45	86	57	101	65	53	42	0.03	0.02	42	e38
29	81	105	77	55	111	59	50	42	0.03	0.02	42	e40
30	239	155	80	64	---	42	47	42	0.02	0.02	978	40
31	128	---	75	132	---	43	---	41	---	0.01	2,730	---
TOTAL	1,515	1,882	8,280	2,018	5,960	2,367	4,654	1,907	98.94	0.46	6,588.06	3,779
MEAN	48.9	62.7	267	65.1	206	76.4	155	61.5	3.30	0.01	213	126
MAX	239	252	1,750	132	810	144	626	279	42	0.03	2,730	692
MIN	34	31	50	48	88	42	47	38	0.02	0.01	0.03	38

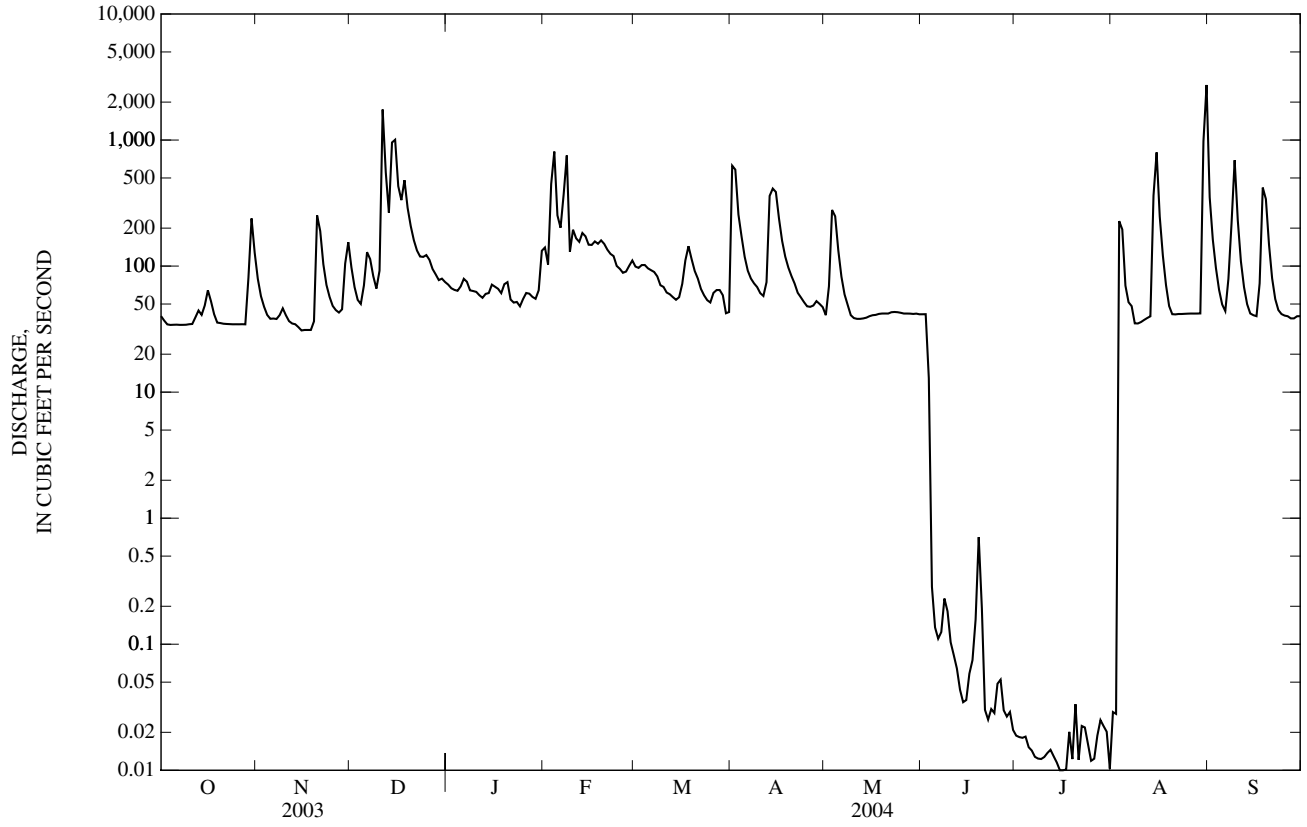
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2004,@ BY WATER YEAR (WY)

MEAN	64.2	97.8	142	211	287	316	273	122	80.7	89.9	89.4	76.2
MAX	530	496	444	759	614	1,041	856	476	491	795	481	714
(WY)	(1930)	(1986)	(2003)	(1937)	(1948)	(1993)	(2003)	(2003)	(1938)	(1938)	(1939)	(1945)
MIN	0.05	0.03	0.05	0.07	0.06	21.5	8.91	0.06	0.06	0.01	0.02	0.02
(WY)	(1988)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2004)	(2002)	(2002)

02086500 FLAT RIVER AT DAM NEAR BAHAMA, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1927 - 2004[@]	
ANNUAL TOTAL	126,924		39,049.46			
ANNUAL MEAN	348		107		153	
HIGHEST ANNUAL MEAN					406	2003
LOWEST ANNUAL MEAN					2.63	2002
HIGHEST DAILY MEAN	5,320	Mar 20	2,730	Aug 31	10,500	Oct 2, 1929
LOWEST DAILY MEAN	31	Nov 15	0.01	Jul 6	0.00	Sep 4, 1938
ANNUAL SEVEN-DAY MINIMUM	32	Nov 12	0.01	Jul 6	0.00	Sep 4, 1938
MAXIMUM PEAK FLOW			5,840	Aug 31	19,700	Jul 26, 1938
MAXIMUM PEAK STAGE			12.03	Aug 31	19.50	Jul 26, 1938
INSTANTANEOUS LOW FLOW			0.00*	Jul 14	0.00*	Sep 4, 1938
ANNUAL RUNOFF (CFSM)	2.07		0.635		0.912	
ANNUAL RUNOFF (INCHES)	28.10		8.65		12.38	
10 PERCENT EXCEEDS	851		220		310	
50 PERCENT EXCEEDS	114		54		58	
90 PERCENT EXCEEDS	37		0.03		0.40	

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



0208650112 FLAT RIVER TRIBUTARY NEAR WILLARDVILLE, NC

LOCATION.--Lat 36°07'55", long 78°49'59", Durham County, Hydrologic Unit 03020201, on left bank at culvert on Secondary Road 1680, 1.5 mi southeast of Willardville.

DRAINAGE AREA.--1.14 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1988 to September 1990, October 1994 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 270 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. No flow at times during most years. Maximum discharge for period of record, from rating curve extended above 70 ft^3/s, on basis of computation of flow through culvert with road overflow. Maximum gage height for period of record from floodmarks.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.01	0.08	0.10	0.37	0.67	0.62	2.0	0.40	0.15	0.06	0.04	0.25
2	0.01	0.06	0.08	0.39	0.63	0.66	1.1	3.4	0.12	0.05	0.07	0.13
3	0.02	0.08	0.06	0.39	4.1	0.71	0.75	6.6	0.10	0.05	0.17	0.06
4	0.03	0.12	0.10	0.39	2.2	0.66	0.63	1.6	0.19	0.04	0.03	0.03
5	0.05	0.14	0.46	0.41	1.2	0.62	0.53	0.80	0.16	0.03	0.05	0.02
6	0.08	0.23	0.29	0.39	2.7	0.63	0.48	0.55	0.14	0.02	0.06	0.08
7	0.12	0.09	0.19	0.35	5.7	0.57	0.47	0.43	0.13	0.00	0.01	0.17
8	0.20	0.11	0.15	0.35	1.7	0.55	0.46	0.36	0.30	0.00	0.01	0.51
9	0.20	0.09	0.13	0.39	1.1	0.52	0.42	0.32	0.23	0.00	0.01	0.26
10	0.17	0.09	2.2	0.37	0.92	0.52	0.39	0.29	0.17	0.00	0.01	0.10
11	0.15	0.09	4.1	0.36	0.77	0.52	0.39	0.26	0.19	0.00	0.01	0.06
12	0.06	0.12	1.0	0.37	1.0	0.52	0.73	0.25	0.20	0.00	0.09	0.07
13	0.08	0.15	0.66	0.39	1.2	0.48	1.2	0.24	0.14	0.00	0.14	0.08
14	0.17	0.16	7.2	0.36	0.91	0.48	1.3	0.22	0.14	0.00	0.82	0.12
15	0.13	0.19	2.1	0.38	0.82	0.58	0.92	0.21	0.12	0.00	0.48	0.16
16	0.06	0.19	1.0	0.34	0.89	0.92	0.70	0.19	0.16	0.00	0.26	0.13
17	0.06	0.22	1.3	0.33	0.93	1.1	0.60	0.18	0.14	0.00	0.11	2.3
18	0.08	0.19	1.1	0.50	0.95	0.85	0.53	0.17	0.11	0.00	0.07	4.2
19	0.07	0.74	0.80	0.46	1.2	0.76	0.46	0.16	0.08	0.00	0.04	0.74
20	0.09	0.79	0.64	0.41	0.96	0.67	0.43	0.15	0.07	0.12	0.03	0.25
21	0.11	0.26	0.53	0.39	0.84	0.65	0.41	0.14	0.06	0.00	0.27	0.15
22	0.13	0.17	0.51	0.39	0.70	0.56	0.38	0.13	0.08	0.04	0.30	0.10
23	0.13	0.14	0.48	0.38	0.65	0.52	0.34	0.66	0.11	0.03	0.10	0.07
24	0.13	0.13	0.54	0.39	0.64	0.52	0.33	0.38	0.10	0.02	0.05	0.05
25	0.15	0.10	0.48	0.35	0.58	0.52	0.31	0.21	0.07	0.01	0.04	0.04
26	0.20	0.09	0.44	0.35	0.56	0.51	0.32	0.18	0.21	0.01	0.03	0.04
27	0.20	0.09	0.43	0.35	0.70	0.50	0.34	0.17	0.11	0.04	0.03	0.07
28	0.17	0.15	0.39	0.37	0.76	0.49	0.27	0.14	0.11	0.07	0.02	0.20
29	0.51	0.16	0.39	0.43	0.67	0.48	0.26	0.12	0.10	0.05	0.03	0.08
30	0.16	0.13	0.41	0.66	---	0.49	0.26	0.31	0.07	0.03	6.4	0.06
31	0.09	---	0.39	0.86	---	0.57	---	0.21	---	0.01	1.2	---
TOTAL	3.82	5.35	28.65	12.62	36.65	18.75	17.71	19.43	4.06	0.68	10.98	10.58
MEAN	0.12	0.18	0.92	0.41	1.26	0.60	0.59	0.63	0.14	0.02	0.35	0.35
MAX	0.51	0.79	7.2	0.86	5.7	1.1	2.0	6.6	0.30	0.12	6.4	4.2
MIN	0.01	0.06	0.06	0.33	0.56	0.48	0.26	0.12	0.06	0.00	0.01	0.02
CFSM	0.11	0.16	0.81	0.36	1.11	0.53	0.52	0.55	0.12	0.02	0.31	0.31
IN.	0.12	0.17	0.93	0.41	1.20	0.61	0.58	0.63	0.13	0.02	0.36	0.35

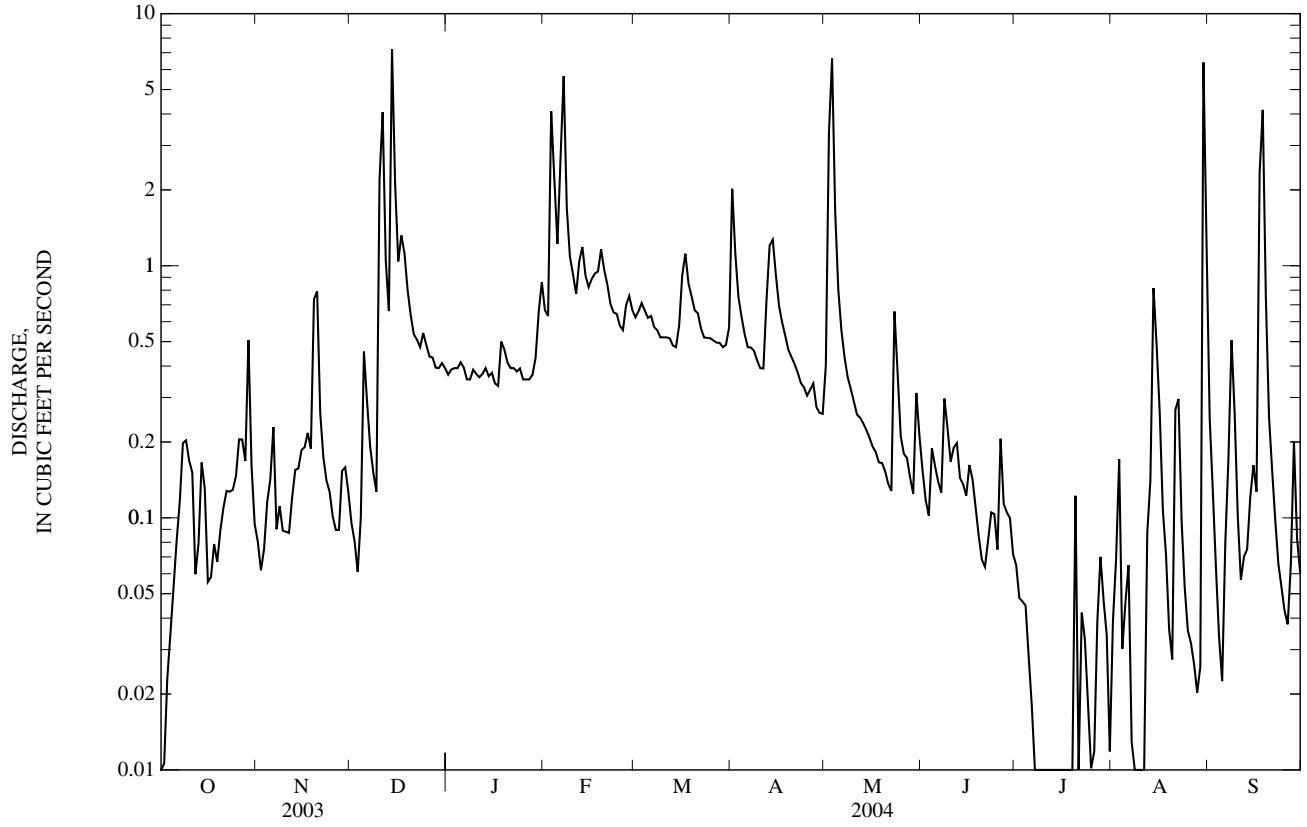
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2004,@ BY WATER YEAR (WY)

MEAN	0.62	0.44	0.87	1.61	2.10	2.40	1.54	0.69	0.50	0.25	0.15	1.27
MAX	4.01	1.27	3.26	3.17	5.41	8.30	5.04	2.20	4.07	1.26	0.50	8.60
(WY)	(2003)	(1996)	(1990)	(1998)	(1998)	(1998)	(2003)	(1989)	(1995)	(1989)	(1989)	(1996)
MIN	0.01	0.06	0.01	0.16	0.27	0.36	0.06	0.01	0.05	0.00	0.00	0.00
(WY)	(2002)	(2001)	(1989)	(2001)	(2002)	(2002)	(1995)	(2002)	(1988)	(1988)	(1988)	(1990)

02208650112 FLAT RIVER TRIBUTARY NEAR WILLARDVILLE, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1987 - 2004[@]	
ANNUAL TOTAL	530.08		169.28			
ANNUAL MEAN	1.45		0.46		1.06	
HIGHEST ANNUAL MEAN					2.00	2003
LOWEST ANNUAL MEAN					0.16	2002
HIGHEST DAILY MEAN	50	Apr 9	7.2	Dec 14	225	Sep 6, 1996
LOWEST DAILY MEAN	0.01	Sep 1	0.00	Jul 7	0.00	Jun 22, 1988
ANNUAL SEVEN-DAY MINIMUM	0.01	Sep 26	0.00	Jul 7	0.00	Jul 2, 1988
MAXIMUM PEAK FLOW			35	Aug 30	1410*	Sep 6, 1996
MAXIMUM PEAK STAGE			3.40	Aug 30	7.77*	Sep 6, 1996
INSTANTANEOUS LOW FLOW			0.00*	Oct 1	0.00*	Jun 15, 1988
ANNUAL RUNOFF (CFSM)	1.27		0.406		0.930	
ANNUAL RUNOFF (INCHES)	17.30		5.52		12.63	
10 PERCENT EXCEEDS	2.9		0.91		1.9	
50 PERCENT EXCEEDS	0.39		0.22		0.21	
90 PERCENT EXCEEDS	0.06		0.03		0.00	

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



0208650112 FLAT RIVER TRIBUTARY NEAR WILLARDVILLE, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1988-91, 1994 to current year

REMARKS.--Station operated to define the impacts of various land-use development on surface-water quality in the Upper Neuse River basin.

COOPERATION.--For the period February 1988 through June 1989 the inorganic chemical data and trace metal data were analyzed by the city of Durham's Brown Water Treatment Plant Laboratory.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
03...	1100	.03	758	8.6	79	6.0	88	11.4	E.10	.14	<.04	--	E.04
DEC													
11...	1115	3.1	749	12.1	106	6.2	56	8.8	.94	.76	<.04	.50	.51
FEB													
20...	1100	1.0	759	14.8	118	6.0	63	5.6	.11	.13	<.04	--	E.05
APR													
08...	1100	.47	742	10.1	98	7.1	71	13.0	.12	.12	<.04	--	E.03
MAY													
03...	1045	7.2	755	9.8	97	6.6	49	14.7	.81	.67	<.04	--	E.06
JUN													
04...	1500	.35	756	7.8	85	7.3	94	19.0	.22	.36	.04	--	.26
JUL													
23...	1300	.03	751	6.6	79	7.2	93	23.4	.18	.27	<.04	--	.17
AUG													
30...	0930	1.4	754	7.4	85	7.2	68	21.9	.21	.64	<.04	--	.09

Date	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, fltrd, mg/L (00607)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd mg/L (00600)	Aluminum, water, unfltrd recoverable, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Cobalt water, unfltrd recoverable, ug/L (01037)
OCT													
03...	<.008	--	--	<.02	<.04	<.04	--	--	--	--	--	--	--
DEC													
11...	.008	--	--	E.01	.04	.11	1.4	1.3	--	--	--	--	--
FEB													
20...	<.008	--	--	<.02	<.04	E.03	--	--	--	--	--	--	--
APR													
08...	<.008	--	--	<.02	<.04	E.02	--	--	121	<2	<.04	<.8	.298
MAY													
03...	E.006	--	--	<.02	E.02	.06	--	--	763	<2	<.04	E.6	.777
JUN													
04...	E.007	.18	.32	<.02	<.04	.04	.47	.62	--	--	--	--	--
JUL													
23...	<.008	--	--	<.02	<.04	E.03	.35	.44	--	--	--	--	--
AUG													
30...	<.008	--	--	<.02	<.04	.11	.30	.73	--	--	--	--	--

0208650112 FLAT RIVER TRIBUTARY NEAR WILLARDVILLE, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Copper, water, unfltrd recover -able, ug/L (01042)	Iron, water, unfltrd recover -able, ug/L (01045)	Lead, water, unfltrd recover -able, ug/L (01051)	Mangan- ese, water, unfltrd recover -able, ug/L (01055)	Mercury water, unfltrd recover -able, ug/L (71900)	Molyb- denum, water, unfltrd recover -able, ug/L (01062)	Nickel, water, unfltrd recover -able, ug/L (01067)	Selen- ium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover -able, ug/L (01077)	Zinc, water, unfltrd recover -able, ug/L (01092)	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)
OCT 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 08...	.6	450	.14	42	<.02	<.2	.31	<.4	<.16	<2	--	--	--
MAY 03...	2.3	1,070	.84	80	E.02	<.2	.94	E.2	<.16	3	<.009	<.03	<.02
JUN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	2,6-Di- ethyl- aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	OIET, water, fltrd, ug/L (50355)	3- Hydroxy carbo- furan, wat flt 0.7u GF ug/L (49308)	3-Keto- carbo- furan, water, fltrd, ug/L (50295)	Aceto- chlor, water, fltrd, ug/L (49260)	Aci- fluor- fen, water, fltrd 0.7u GF ug/L (49315)	Ala- chlor, water, fltrd, ug/L (46342)	Aldi- carb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldi- carb sulf- oxide, wat flt 0.7u GF ug/L (49314)	Aldi- carb, water, fltrd 0.7u GF ug/L (49312)	Aldrin, water, unfltrd ug/L (39330)
OCT 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 03...	<.006	<.006	<.01	<.008	<.006	<.014	<.006	<.007	<.005	<.02	<.008	<.04	<.01
JUN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	alpha- Endo- sulfan, water, unfltrd ug/L (39388)	alpha- HCH, water, fltrd, ug/L (34253)	Atra- zine, water, fltrd, ug/L (39632)	Azin- phos- methyl, water, fltrd 0.7u GF ug/L (82686)	Bendio- carb, water, fltrd, ug/L (50299)	Ben- flur- alin, water, fltrd 0.7u GF ug/L (82673)	Benomyl water, fltrd, ug/L (50300)	Bensul- furon, water, fltrd, ug/L (61693)	Ben- tazon, water, fltrd 0.7u GF ug/L (38711)	Broma- cil, water, fltrd, ug/L (04029)	Brom- oxynil, water, fltrd 0.7u GF ug/L (49311)	Butyl- ate, water, fltrd, ug/L (04028)	Caf- feine, water, fltrd, ug/L (50305)
OCT 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 03...	<.03	<.005	.007	<.050	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.004	<.0096
JUN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 30...	--	--	--	--	--	--	--	--	--	--	--	--	--

0208650112 FLAT RIVER TRIBUTARY NEAR WILLARDVILLE, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Carbaryl, water, fltrd 0.7u GF ug/L (49310)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (49309)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Carbophenothion, water, unfltrd ug/L (39786)	Chlorambenmethyl ester, water, fltrd, ug/L (61188)	Chlordane, technical, water, unfltrd ug/L (39350)	Chlorimuron, water, fltrd, ug/L (50306)	Chlorodiamino-s-triazine, wat flt ug/L (04039)	Chlorothalonil, water, fltrd 0.7u GF ug/L (49306)	Chlorpyrifos water, fltrd, ug/L (38933)	Chlorpyrifos water unfltrd ug/L (38932)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)
OCT 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 03...	<.03	<.041	<.006	<.020	<.02	<.02	<.1	<.010	<.04	<.04	<.005	<.01	<.006
JUN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Clopyralid, water, fltrd 0.7u GF ug/L (49305)	Cyanazine, water, fltrd, ug/L (04041)	Cycloate, water, fltrd, ug/L (04031)	Dacthal monoacid, water, fltrd 0.7u GF ug/L (49304)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Diazinon, water, unfltrd ug/L (39570)	Dicamba water fltrd 0.7u GF ug/L (38442)	Dichlorprop, water, fltrd 0.7u GF ug/L (49302)	Dieldrin, water, fltrd, ug/L (39381)	Dieldrin, water, unfltrd ug/L (39380)	Dinoseb water, fltrd 0.7u GF ug/L (49301)
OCT 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 03...	<.01	<.018	<.01	<.01	<.003	<.012	<.005	<.02	<.01	<.01	<.009	<.016	<.01
JUN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Diphenamid, water, fltrd, ug/L (04033)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	Disulfoton, water, unfltrd ug/L (39011)	Diuron, water, fltrd 0.7u GF ug/L (49300)	Endrin, water, unfltrd ug/L (39390)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethion, water, unfltrd ug/L (39398)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)
OCT 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 03...	<.03	<.02	<.10	<.01	<.01	<.004	<.009	<.01	<.005	<.03	<.029	<.013	<.024
JUN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 30...	--	--	--	--	--	--	--	--	--	--	--	--	--

0208650112 FLAT RIVER TRIBUTARY NEAR WILLARDVILLE, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Fipronil, water, fltrd, ug/L (62166)	Flumetsulam, water, fltrd, ug/L (61694)	Fluometuron water fltrd 0.7u GF ug/L (38811)	Fonofos water, fltrd, ug/L (04095)	Fonofos water unfltrd ug/L (82614)	Heptachlor epoxide water unfltrd ug/L (39420)	Heptachlor, water, unfltrd ug/L (39410)	Imazaquin, water, fltrd, ug/L (50356)	Imazethapyr, water, fltrd, ug/L (50407)	Imidacloprid water, fltrd, ug/L (61695)	Lindane water, fltrd, ug/L (39341)	Lindane water, unfltrd ug/L (39340)	Linuron water fltrd 0.7u GF ug/L (38478)
OCT 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 03...	<.016	<.01	<.03	<.003	<.01	<.009	<.01	<.02	<.02	<.007	<.004	<.014	<.01
JUN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Malathion, water, unfltrd ug/L (39530)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Metalaxyl, water, fltrd, ug/L (50359)	Methiocarb, water, fltrd 0.7u GF ug/L (38501)	Methomyl, water, fltrd 0.7u GF ug/L (49296)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Methyl parathion, water, unfltrd ug/L (39600)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Metsulfuron, water, fltrd, ug/L (61697)
OCT 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 03...	<.035	<.027	<.10	<.02	<.01	<.02	<.008	<.004	<.015	<.01	E.009	<.006	<.03
JUN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Mirex, water, unfltrd ug/L (39755)	Molinate, water, fltrd 0.7u GF ug/L (82671)	N-(4-Chlorophenyl) -N-' methylurea, ug/L (61692)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nicosulfuron, water, fltrd, ug/L (50364)	Norflurazon, water, fltrd 0.7u GF ug/L (49293)	Oryzalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	p,p-' DDD, water, unfltrd ug/L (39360)	p,p-' DDE, water, fltrd, ug/L (34653)	p,p-' DDE, water, unfltrd ug/L (39365)	p,p-' DDT, water, unfltrd ug/L (39370)
OCT 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 03...	<.006	<.003	<.02	<.007	<.01	<.01	<.02	<.02	<.01	<.016	<.003	<.014	<.010
JUN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 30...	--	--	--	--	--	--	--	--	--	--	--	--	--

0208650112 FLAT RIVER TRIBUTARY NEAR WILLARDVILLE, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	p,p'-Methoxychlor, water, unfltrd ug/L (39480)	Parathion, water, fltrd, ug/L (39542)	Parathion, water, unfltrd ug/L (39540)	PCBs, water, unfltrd ug/L (39516)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Phorate water unfltrd ug/L (39023)	Picloram, water, fltrd 0.7u GF ug/L (49291)	Prometon, water, fltrd, ug/L (04037)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)
OCT													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
03...	<.006	<.010	<.01	<.1	<.004	<.022	<.011	<.02	<.02	<.01	<.004	<.025	<.011
JUN													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Propargite, water, fltrd 0.7u GF ug/L (82685)	Propham water fltrd 0.7u GF ug/L (49236)	Propiconazole, water, fltrd, ug/L (50471)	Propoxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Simazine, water, fltrd, ug/L (04035)	Sulfometruron, water, fltrd, ug/L (50337)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbacil, water, fltrd, ug/L (04032)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Toxaphene, water, unfltrd ug/L (39400)
OCT													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
03...	<.02	<.010	<.02	<.008	<.02	<.005	<.009	<.02	<.034	<.010	<.02	<.010	<1
JUN													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Triallate, water, fltrd 0.7u GF ug/L (82678)	Tribuphos, water, unfltrd ug/L (39040)	Triclopyr, water, fltrd 0.7u GF ug/L (49235)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT						
03...	--	--	--	--	2	.00
DEC						
11...	--	--	--	--	21	.17
FEB						
20...	--	--	--	--	6	.02
APR						
08...	--	--	--	--	7	.01
MAY						
03...	<.002	<.02	<.02	<.009	136	2.6
JUN						
04...	--	--	--	--	30	.03
JUL						
23...	--	--	--	--	22	.00
AUG						
30...	--	--	--	--	152	.55

02087182 FALLS LAKE ABOVE DAM NEAR FALLS, NC

LOCATION.--Lat 35°56'28", long 78°35'00", Wake County, Hydrologic Unit 03020201, on intake tower 50 ft upstream from Falls Lake dam, and 0.3 mi northwest of Falls and 235 mi upstream from mouth.

DRAINAGE AREA.--771 mi^2.

ELEVATION RECORDS

PERIOD OF RECORD.--February 1979 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. U.S. Army Corps of Engineers satellite telemetry at station.

REMARKS.--Lake used for flood control, water supply, low-flow agumentation, and recreation. Temporary filling began May 1981 for water supply for city of Raleigh during drought conditions. Gates were closed on Jan. 13, 1983 and normal pool elevation of 250.1 ft was recorded Dec. 7, 1983. Total capacity of reservoir is 4,998,074,000 ft^3 at elevation of 250.1 ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum, 264.34 ft, Oct. 1, 2, 1999; minimum, 242.78 ft, Nov. 26, 1993.

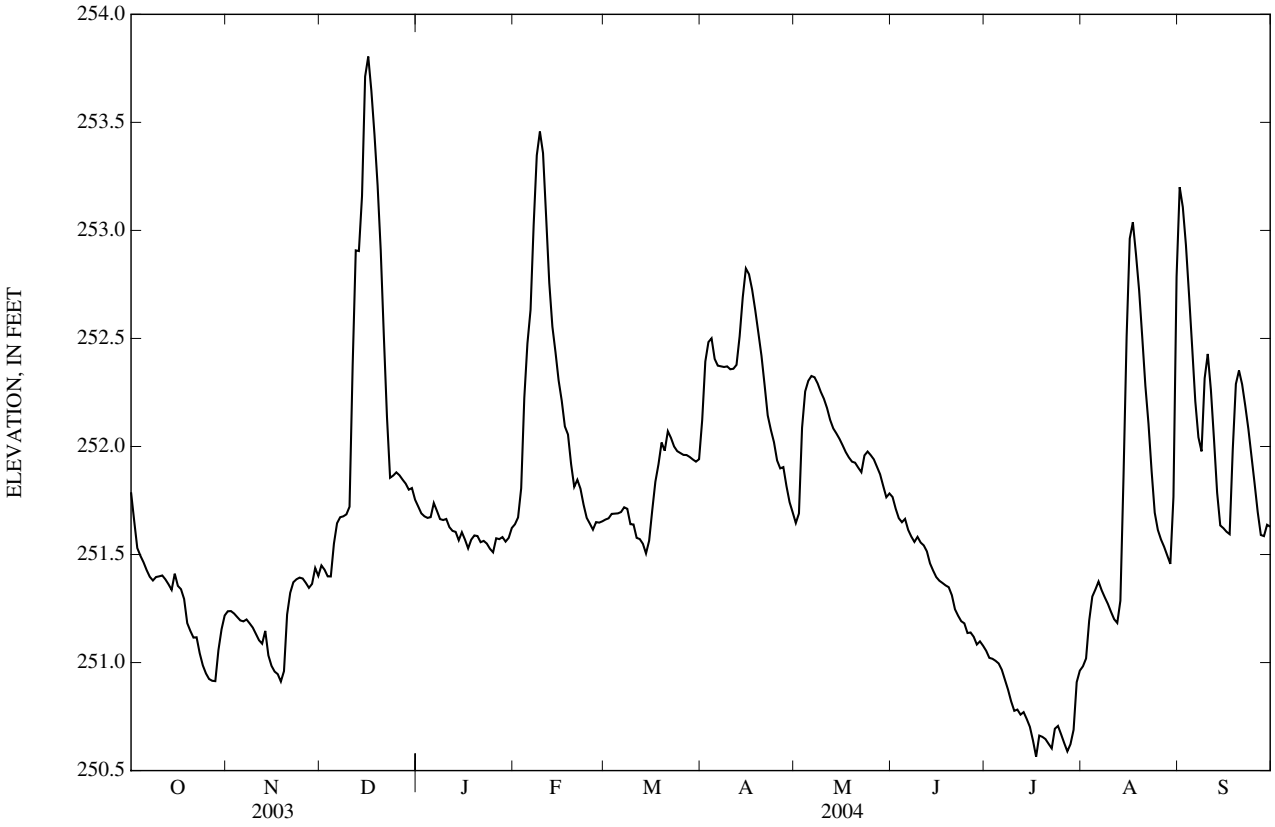
EXTREMES FOR CURRENT YEAR.--Maximum, 253.85 ft, Dec. 16; minimum, 250.50 ft, July 17.

COOPERATION.--Extremes for period of record provided by U.S. Army Corps of Engineers.

ELEVATION, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	251.79	251.24	251.45	251.72	251.64	251.66	252.12	251.65	251.77	251.05	250.98	253.20
2	251.66	251.24	251.43	251.69	251.67	251.67	252.39	251.69	251.71	251.02	251.02	253.11
3	251.53	251.23	251.40	251.68	251.81	251.69	252.48	252.09	251.67	251.02	251.19	252.93
4	251.49	251.21	251.40	251.67	252.23	251.69	252.50	252.25	251.65	251.01	251.31	252.70
5	251.46	251.20	251.55	251.67	252.48	251.69	252.41	252.30	251.66	251.00	251.34	252.46
6	251.43	251.19	251.64	251.74	252.63	251.70	252.37	252.33	251.61	250.97	251.37	252.21
7	251.40	251.20	251.67	251.70	253.03	251.72	252.37	252.32	251.58	250.92	251.33	252.04
8	251.38	251.18	251.68	251.66	253.35	251.71	252.37	252.29	251.56	250.87	251.30	251.98
9	251.40	251.16	251.69	251.66	253.46	251.64	252.37	252.25	251.58	250.82	251.27	252.32
10	251.40	251.13	251.72	251.66	253.36	251.64	252.36	252.22	251.56	250.78	251.23	252.43
11	251.40	251.10	252.37	251.63	253.06	251.58	252.36	252.18	251.54	250.78	251.20	252.26
12	251.39	251.09	252.91	251.61	252.76	251.57	252.38	252.12	251.51	250.76	251.18	252.03
13	251.36	251.15	252.90	251.60	252.56	251.55	252.51	252.08	251.46	250.77	251.29	251.79
14	251.34	251.03	253.16	251.57	252.44	251.50	252.69	252.06	251.43	250.74	251.86	251.63
15	251.41	250.98	253.71	251.60	252.31	251.56	252.82	252.04	251.40	250.70	252.51	251.62
16	251.35	250.96	253.80	251.57	252.21	251.71	252.80	252.01	251.38	250.64	252.96	251.61
17	251.34	250.95	253.65	251.53	252.09	251.84	252.73	251.97	251.37	250.56	253.04	251.59
18	251.29	250.91	253.44	251.57	252.06	251.92	252.63	251.95	251.36	250.66	252.89	251.99
19	251.18	250.96	253.21	251.59	251.92	252.02	252.53	251.93	251.35	250.66	252.72	252.29
20	251.15	251.22	252.91	251.59	251.81	251.98	252.42	251.92	251.31	250.65	252.51	252.35
21	251.12	251.32	252.51	251.56	251.85	252.07	252.28	251.90	251.25	250.62	252.28	252.29
22	251.12	251.37	252.14	251.56	251.80	252.04	252.14	251.88	251.22	250.60	252.11	252.19
23	251.04	251.39	251.86	251.55	251.73	252.00	252.08	251.96	251.19	250.69	251.89	252.08
24	250.99	251.39	251.87	251.53	251.67	251.98	252.02	251.98	251.18	250.71	251.69	251.96
25	250.95	251.39	251.88	251.51	251.64	251.97	251.94	251.96	251.14	250.67	251.61	251.83
26	250.92	251.37	251.87	251.57	251.62	251.96	251.90	251.94	251.14	250.63	251.57	251.70
27	250.92	251.35	251.85	251.57	251.65	251.96	251.90	251.91	251.12	250.59	251.54	251.59
28	250.91	251.36	251.83	251.58	251.65	251.95	251.82	251.87	251.08	250.62	251.50	251.59
29	251.06	251.44	251.80	251.56	251.65	251.94	251.74	251.82	251.10	250.69	251.46	251.64
30	251.15	251.40	251.81	251.58	---	251.93	251.69	251.76	251.08	250.91	251.77	251.63
31	251.22	---	251.75	251.62	---	251.94	---	251.78	---	250.96	252.79	---
MEAN	251.28	251.20	252.22	251.61	252.21	251.80	252.30	252.01	251.40	250.78	251.76	252.10
MAX	251.79	251.44	253.80	251.74	253.46	252.07	252.82	252.33	251.77	251.05	253.04	253.20
MIN	250.91	250.91	251.40	251.51	251.62	251.50	251.69	251.65	251.08	250.56	250.98	251.59

02087182 FALLS LAKE ABOVE DAM NEAR FALLS, NC—Continued



02087182 FALLS LAKE ABOVE DAM NEAR FALLS, NC—Continued

PRECIPITATION RECORDS

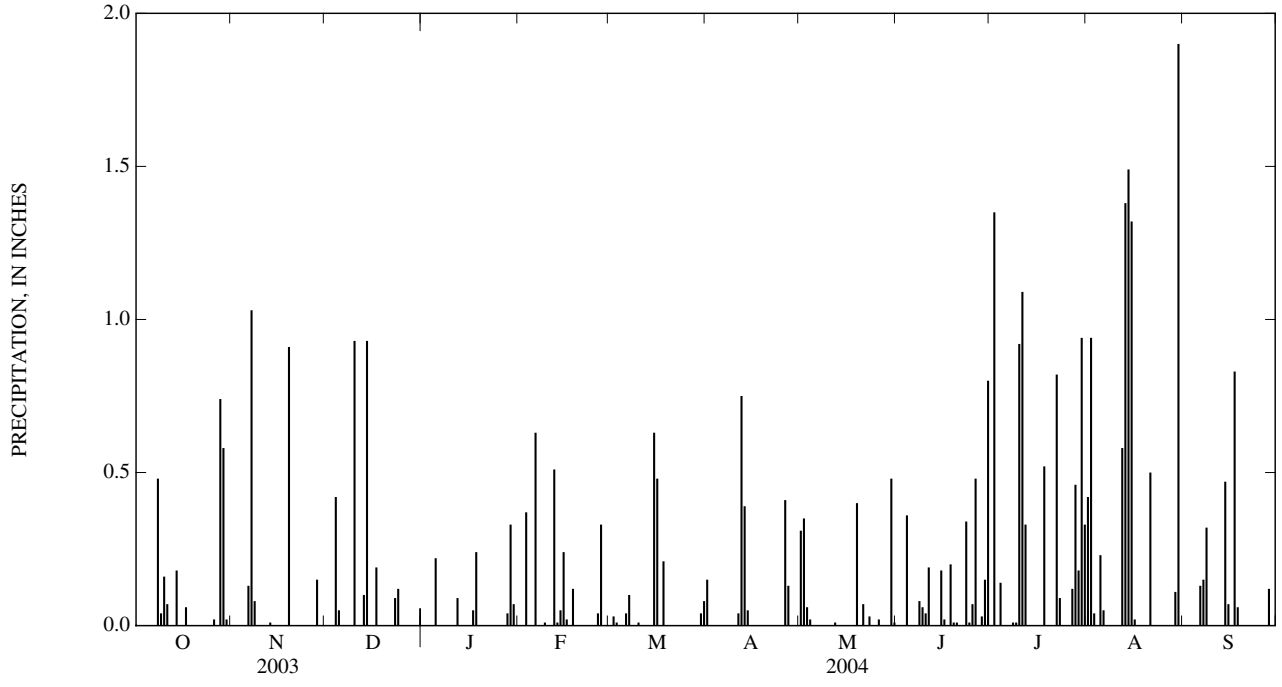
PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Tipping-bucket raingage and data collection platform. Satellite telemetry at station.

REMARKS.--Gage is operated in cooperation with the U.S. Army Corps of Engineers. Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.31	0.00	0.00	0.42	0.00
2	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.35	0.00	1.35	0.94	0.00
3	0.00	0.00	0.00	0.00	0.37	0.01	0.00	0.06	0.00	0.00	0.04	0.00
4	0.00	0.00	0.42	0.00	0.00	0.00	0.00	0.02	0.36	0.14	0.00	0.00
5	0.00	0.00	0.05	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
6	0.00	0.13	0.00	0.00	0.63	0.04	0.00	0.00	0.00	0.00	0.05	0.13
7	0.00	1.03	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.15
8	0.48	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.01	0.00	0.32
9	0.04	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.06	0.01	0.00	0.00
10	0.16	0.00	0.93	0.00	0.00	0.01	0.00	0.00	0.04	0.92	0.00	0.00
11	0.07	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.19	1.09	0.00	0.00
12	0.00	0.00	0.00	0.09	0.51	0.00	0.75	0.01	0.00	0.33	0.58	0.00
13	0.00	0.01	0.10	0.00	0.01	0.00	0.39	0.00	0.00	0.00	1.38	0.00
14	0.18	0.00	0.93	0.00	0.05	0.00	0.05	0.00	0.00	0.00	1.49	0.47
15	0.00	0.00	0.00	0.00	0.24	0.63	0.00	0.00	0.18	0.00	1.32	0.07
16	0.00	0.00	0.00	0.00	0.02	0.48	0.00	0.00	0.02	0.00	0.02	0.00
17	0.06	0.00	0.19	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83
18	0.00	0.00	0.00	0.24	0.12	0.21	0.00	0.00	0.20	0.52	0.00	0.06
19	0.00	0.91	0.00	0.00	0.00	0.00	0.00	0.40	0.01	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.50	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82	0.00	0.00
23	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.03	0.34	0.09	0.00	0.00
24	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
26	0.02	0.00	0.00	0.00	0.04	0.00	0.41	0.02	0.48	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.33	0.00	0.13	0.00	0.00	0.12	0.00	0.00
28	0.74	0.15	0.00	0.04	0.00	0.00	0.00	0.00	0.03	0.46	0.00	0.12
29	0.58	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.15	0.18	0.11	0.00
30	0.02	0.00	0.00	0.07	---	0.04	0.00	0.48	0.80	0.94	1.90	0.00
31	0.00	---	0.00	0.00	---	0.08	---	0.01	---	0.33	0.00	---
TOTAL	2.35	2.31	2.83	1.04	2.33	1.63	1.92	1.76	3.03	7.31	8.98	2.15



02087183 NEUSE RIVER NEAR FALLS, NC

LOCATION.--Lat 35°56'24", long 78°34'51", Wake County, Hydrologic Unit 03020201, on right bank 300 ft downstream of Falls Lake Dam, and 0.3 mi northwest of Falls.

DRAINAGE AREA.--771 mi^2.

PERIOD OF RECORD.--July 1970 to current year.

REVISED RECORDS.--WDR NC-91-1: Drainage area. WRD NC 96-1: 1991-95 (M).

GAGE.--Water-stage recorder. Datum of gage is 194.69 ft above NGVD of 1929. Prior to Oct. 1, 1990, water-stage recorder at site 0.4 mi downstream at 182.62 ft. U.S. Army Corps of Engineers satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by Falls Lake (station 02087182). June 5, 1980, to May 6, 1981, flows affected by incidental storage in Falls Lake, under construction; May 6, 1981, to Jan. 13, 1983, gates closed and Falls Lake partially filled to provide storage for City of Raleigh water supply; Jan. 13, 1983, gates closed and normal pool elevation, 250.1 ft, reached Dec. 7, 1983. The City of Raleigh diverted an average of 85.2 ft^3/s, 1.2 mi upstream from station for municipal water supply, most of which was returned downstream as treated effluent. Prior to regulation, maximum discharge: 13,600 ft^3/s, July 17, 1975; gage height: 25.21 ft; minimum discharge: 4.6 ft^3/s, Sept. 24, 1980; gage height: 2.13 ft, at site then in use. Maximum gage-height and discharge for period of record may have been higher during period of estimated record, Aug. 27-Sept. 30, 1996. Minimum discharge for period of record not determined due to intermittent gate closure at dam. Minimum discharge for current water year not determined due to regulation.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in September 1945 reached an elevation of 216.1 ft; discharge, 23,300 ft^3/s at bridge 0.4 mi upstream, from information provided by the U.S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	769	176	173	390	247	382	193	295	138	110	114	1,080
2	435	176	173	333	247	383	335	250	138	111	114	1,300
3	284	177	173	293	247	384	478	226	138	110	115	1,480
4	183	178	173	293	248	383	979	226	138	111	115	1,490
5	184	179	173	294	249	384	343	226	138	110	114	1,500
6	184	179	173	295	250	384	225	226	138	111	114	1,520
7	184	179	173	293	251	385	226	226	138	111	115	1,520
8	186	179	173	292	251	384	226	227	122	125	e112	1,100
9	186	179	173	292	796	382	226	227	112	167	e109	706
10	186	179	173	294	1,910	384	227	227	112	167	107	1,020
11	186	179	175	292	2,680	314	227	227	112	167	107	1,550
12	186	179	791	292	2,680	243	227	228	112	137	108	1,550
13	186	179	1,310	293	2,090	244	228	193	112	111	108	1,260
14	187	177	1,320	266	1,440	243	228	107	113	111	110	663
15	187	177	1,320	247	1,440	244	552	107	113	111	110	203
16	187	177	2,060	247	1,430	246	808	107	113	112	110	157
17	188	177	2,910	247	1,430	246	841	107	113	112	857	154
18	672	177	2,880	247	1,430	246	840	107	112	112	1,350	155
19	358	177	2,870	248	1,280	246	838	107	112	112	1,370	155
20	173	176	2,860	247	834	246	837	107	112	112	1,390	432
21	173	176	2,840	247	709	247	837	107	112	112	1,380	691
22	174	176	2,590	247	706	246	694	107	125	112	1,380	688
23	174	176	1,360	247	704	245	383	107	151	112	1,370	685
24	175	176	392	247	545	244	381	107	171	112	784	685
25	176	174	391	247	383	245	381	107	170	112	313	684
26	176	174	391	247	383	245	382	107	170	112	188	684
27	176	174	390	247	383	246	381	116	171	112	166	390
28	176	175	390	247	382	246	379	138	170	112	166	181
29	176	174	390	247	381	222	344	138	134	112	167	181
30	176	173	392	247	---	193	294	138	110	113	168	181
31	176	---	390	248	---	193	---	138	---	114	341	---
TOTAL	7,219	5,304	30,142	8,413	26,006	8,925	13,540	5,063	3,920	3,665	13,172	24,045
MEAN	233	177	972	271	897	288	451	163	131	118	425	802
MAX	769	179	2,910	390	2,680	385	979	295	171	167	1,390	1,550
MIN	173	173	173	247	247	193	193	107	110	110	107	154
†	-109	38	61	-20	30	42	-75	32	-146	-20	461	-341

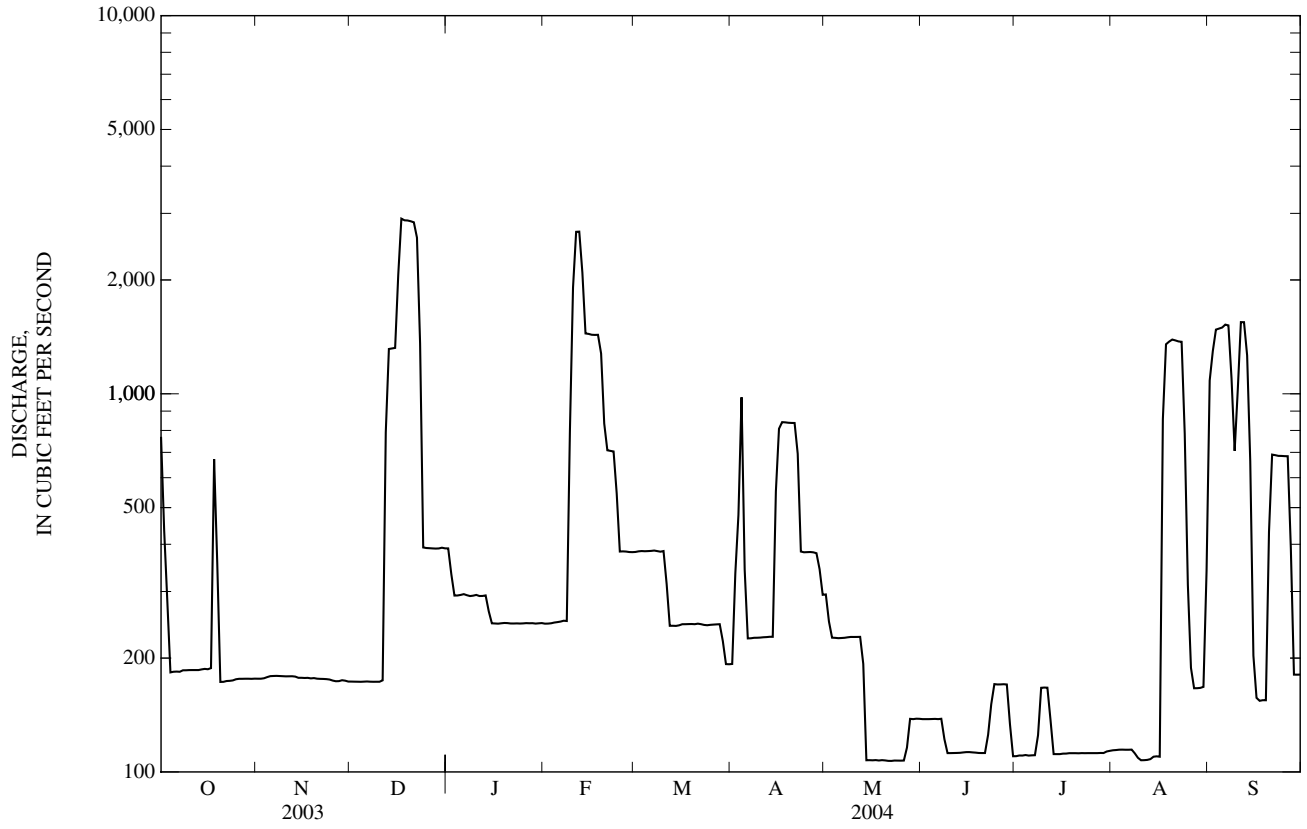
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2004, *BY WATER YEAR (WY)

MEAN	411	379	561	776	1,201	1,544	1,232	534	330	314	311	435
MAX	3,217	1,535	1,883	2,014	3,462	3,992	3,687	1,821	1,427	1,501	1,099	3,953
(WY)	(2000)	(1996)	(2003)	(1984)	(1998)	(1989)	(2003)	(1989)	(2003)	(1995)	(1989)	(1996)
MIN	72.6	65.2	63.3	66.3	67.0	68.4	118	110	126	61.7	61.0	67.8
(WY)	(1984)	(1984)	(1992)	(2002)	(2002)	(2002)	(1995)	(1995)	(1987)	(1983)	(1983)	(1985)

02087183 NEUSE RIVER NEAR FALLS, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1983 - 2004*	
ANNUAL TOTAL	413,943		149,414			
ANNUAL MEAN	1,134		408	‡407	666	(UNADJUSTED)
HIGHEST ANNUAL MEAN					1,312	2003
LOWEST ANNUAL MEAN					123	2002
HIGHEST DAILY MEAN	5,870	Apr 18	2,910	Dec 17	7,420	Sep 16, 1996
LOWEST DAILY MEAN	164	Jul 1	107	May 14	55	Jan 10, 1995
ANNUAL SEVEN-DAY MINIMUM	173	Nov 30	107	May 14	56	Jan 10, 1995
MAXIMUM PEAK FLOW			3,080	Dec 17	7650*	Sep 16, 1996
MAXIMUM PEAK STAGE			3.59	Dec 17	8.05*	Sep 16, 1996
INSTANTANEOUS LOW FLOW			105*	May 18	NOT DETERMINED	
10 PERCENT EXCEEDS	3,340		1,150		2,220	
50 PERCENT EXCEEDS	433		226		180	
90 PERCENT EXCEEDS	176		112		89	

† Change in contents, equivalent in cubic feet per second, in Falls Reservoir, provided by U.S. Army Corps of Engineers.
* Regulated period only (1983-2004). See REMARKS.
‡ Adjusted for change in contents.
e Estimated.



0208726005 CRABTREE CREEK AT EBENEZER CHURCH ROAD NEAR RALEIGH, NC

LOCATION.--Lat 35°50'43", long 78°43'28", Wake County, Hydrologic Unit 03020201, on upstream side of bridge on Secondary Road 1649, 0.1 mi upstream from Sycamore Creek, and 6.6 mi northwest of Raleigh.

DRAINAGE AREA.--76 mi^2.

PERIOD OF RECORD.--December 1987 to September 1992, May 1997 to current year. December 1987 to September 1992, published as "Crabtree Creek at Secondary Road 1649 near Raleigh, NC".

GAGE.--Water-stage recorder. Datum of gage is 225.00 ft above NGVD of 1929, from levels. Satellite telemetry at station.

REMARKS.--Records good, except those for estimated daily discharges, which are poor. Flow regulated by flood-control dams upstream. Minimum discharge for period of record due to regulation.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	67	39	33	69	100	106	29	14	31	217	397
2	18	51	34	32	61	85	132	118	11	27	193	246
3	15	41	29	30	193	76	102	367	10	90	214	137
4	13	34	29	31	206	67	80	277	32	91	121	84
5	12	30	121	34	149	60	62	161	49	50	80	58
6	12	31	115	47	139	66	49	100	33	38	228	48
7	11	48	93	41	427	72	42	70	28	29	130	87
8	13	45	73	37	255	64	38	52	23	23	71	253
9	24	40	62	39	167	54	34	41	20	18	43	342
10	23	34	143	44	121	53	30	34	42	e42	27	186
11	26	29	457	40	94	48	28	27	91	e32	19	112
12	25	27	259	39	144	44	58	24	35	e56	48	76
13	22	27	165	38	196	38	136	32	25	e165	257	56
14	22	22	544	35	154	35	133	24	21	e80	1,340	47
15	47	17	434	35	137	147	104	19	22	49	1,140	76
16	35	17	258	32	178	533	78	16	25	36	944	60
17	29	18	215	30	167	505	62	15	20	26	471	221
18	31	18	e180	54	145	316	50	14	17	138	224	557
19	25	116	e134	60	123	268	42	14	14	133	117	336
20	22	175	e95	51	104	187	33	23	12	99	70	178
21	19	110	e75	45	89	135	29	16	11	66	51	109
22	17	78	e66	42	72	99	25	13	10	57	164	75
23	15	59	60	39	63	76	23	13	23	310	102	56
24	13	48	60	36	56	62	20	15	37	185	61	44
25	11	39	58	34	e50	54	18	14	27	110	40	36
26	12	32	50	40	45	48	20	13	39	72	27	31
27	14	28	46	38	74	43	35	12	45	55	19	28
28	22	31	42	42	113	39	29	12	35	62	14	60
29	221	58	40	53	120	36	26	9.0	45	167	12	90
30	146	44	40	69	---	32	24	13	40	657	624	71
31	96	---	36	77	---	31	---	14	---	397	563	---
TOTAL	1,032	1,414	4,052	1,297	3,911	3,473	1,648	1,601.0	856	3,391	7,631	4,157
MEAN	33.3	47.1	131	41.8	135	112	54.9	51.6	28.5	109	246	139
MAX	221	175	544	77	427	533	136	367	91	657	1,340	557
MIN	11	17	29	30	45	31	18	9.0	10	18	12	28
CFSM	0.44	0.62	1.72	0.55	1.77	1.47	0.72	0.68	0.38	1.44	3.24	1.82
IN.	0.51	0.69	1.98	0.63	1.91	1.70	0.81	0.78	0.42	1.66	3.74	2.03

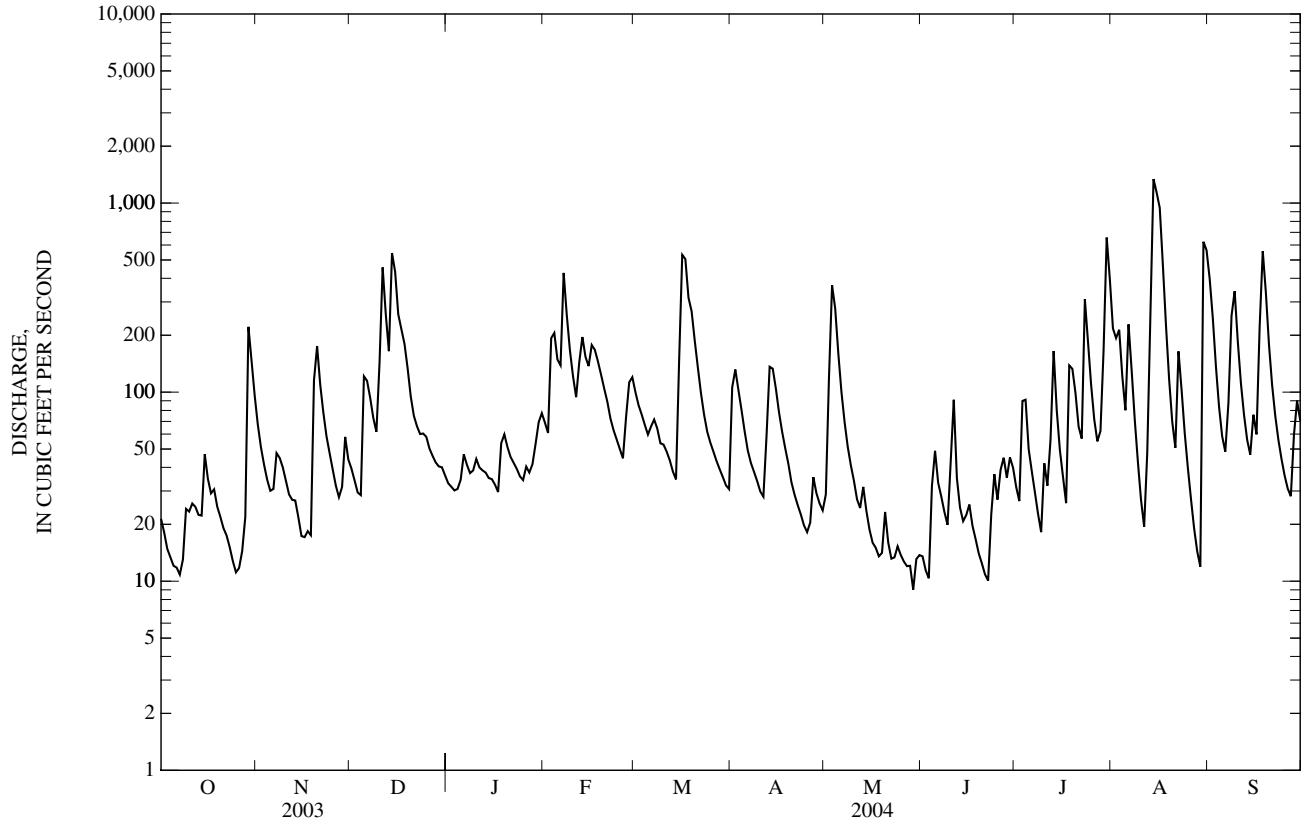
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004,@ BY WATER YEAR (WY)

MEAN	71.3	58.2	72.2	124	138	166	96.7	51.6	50.8	56.3	72.8	101
MAX	276	165	255	370	364	393	260	144	136	113	246	743
(WY)	(2003)	(2003)	(2003)	(1998)	(1998)	(1998)	(2003)	(1989)	(2001)	(1997)	(2004)	(1999)
MIN	13.6	23.8	14.4	23.1	16.2	25.0	32.5	9.30	9.34	9.15	6.74	5.35
(WY)	(1992)	(1992)	(1991)	(2001)	(1991)	(1988)	(1992)	(2002)	(1999)	(1988)	(1990)	(1990)

0208726005 CRABTREE CREEK AT EBENEZER CHURCH ROAD NEAR RALEIGH, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004[@]	
ANNUAL TOTAL	47,278		34,463.0			
ANNUAL MEAN	130		94.2		92.7	
HIGHEST ANNUAL MEAN					170	2003
LOWEST ANNUAL MEAN					46.6	1992
HIGHEST DAILY MEAN	1,640	Apr 10	1,340	Aug 14	3,250	Sep 16, 1999
LOWEST DAILY MEAN	11	Oct 7	9.0	May 29	2.1	Dec 18, 1990
ANNUAL SEVEN-DAY MINIMUM	13	Oct 2	12	May 28	2.6	Dec 12, 1990
MAXIMUM PEAK FLOW			1,700	Aug 14	4,720	Sep 16, 1999
MAXIMUM PEAK STAGE			11.39	Aug 14	19.78	Sep 16, 1999
INSTANTANEOUS LOW FLOW			5.4	May 29	1.5*	Oct 12, 1997
ANNUAL RUNOFF (CFSM)	1.70		1.24		1.22	
ANNUAL RUNOFF (INCHES)	23.14		16.87		16.57	
10 PERCENT EXCEEDS	287		208		208	
50 PERCENT EXCEEDS	65		48		36	
90 PERCENT EXCEEDS	23		17		9.0	

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



02087275 CRABTREE CREEK AT US HIGHWAY 70 AT RALEIGH, NC

LOCATION.--Lat 35°50'17", long 78°40'27", Wake County, Hydrologic Unit 030200201, on left bank at upstream side of bridge on U.S. Highway 70, 0.6 mi upstream from Mine Creek, 4.4 mi northwest of Raleigh.

DRAINAGE AREA.--97.6 mi^2.

PERIOD OF RECORD.--June 1997 to current year. Unpublished records of gage height for water years 1988 to 1997 are available in the files of U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 203.72 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Minimum discharge for period of record also occurred June 16, 2002.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 29, 1973, reached a stage of about 27.69 ft, discharge, about 11,700 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	85	46	35	76	114	130	46	18	43	249	417
2	26	65	39	33	67	98	153	167	14	41	e322	268
3	22	53	34	32	231	88	121	409	11	120	268	161
4	19	44	36	33	218	78	96	298	49	122	151	105
5	18	39	141	41	156	70	76	178	74	65	113	75
6	18	48	126	56	151	78	61	126	47	47	266	59
7	20	67	101	45	440	87	52	93	39	34	166	117
8	28	63	78	39	265	80	48	71	32	25	104	301
9	45	52	63	46	173	66	43	56	27	e22	72	375
10	38	43	179	50	130	65	39	47	77	e44	50	214
11	39	37	505	44	103	58	37	38	152	e34	40	158
12	36	35	270	42	171	53	95	33	58	63	128	124
13	33	32	170	40	210	45	168	45	34	144	468	82
14	36	27	597	38	164	42	155	34	27	77	1,790	73
15	71	21	441	36	155	202	124	26	43	55	1,410	110
16	48	21	263	34	198	591	96	22	40	38	1,130	83
17	41	23	226	31	180	510	77	21	28	26	604	360
18	46	23	207	72	155	338	64	18	21	144	311	686
19	34	150	152	70	133	283	55	25	17	137	178	371
20	30	208	116	57	115	198	44	41	15	106	120	204
21	25	131	91	49	100	146	39	24	12	72	113	e130
22	22	95	76	45	83	112	34	18	10	78	267	e90
23	19	70	66	42	72	89	31	18	35	352	167	e68
24	17	55	69	37	64	74	27	20	53	197	109	e52
25	15	45	65	37	57	66	24	18	36	122	77	e45
26	15	36	55	45	53	60	44	16	62	84	56	e40
27	17	31	50	43	100	55	63	15	65	67	42	e37
28	45	41	46	52	133	50	41	15	52	77	33	e80
29	293	71	43	65	135	48	34	11	66	e190	31	e105
30	167	52	42	81	---	46	30	25	54	648	809	e81
31	116	---	39	87	---	50	---	19	---	424	619	---
TOTAL	1,429	1,763	4,432	1,457	4,288	3,940	2,101	1,993	1,268	3,698	10,263	5,071
MEAN	46.1	58.8	143	47.0	148	127	70.0	64.3	42.3	119	331	169
MAX	293	208	597	87	440	591	168	409	152	648	1,790	686
MIN	15	21	34	31	53	42	24	11	10	22	31	37
CFSM	0.47	0.60	1.46	0.48	1.51	1.30	0.72	0.66	0.43	1.22	3.39	1.73
IN.	0.54	0.67	1.69	0.56	1.63	1.50	0.80	0.76	0.48	1.41	3.91	1.93

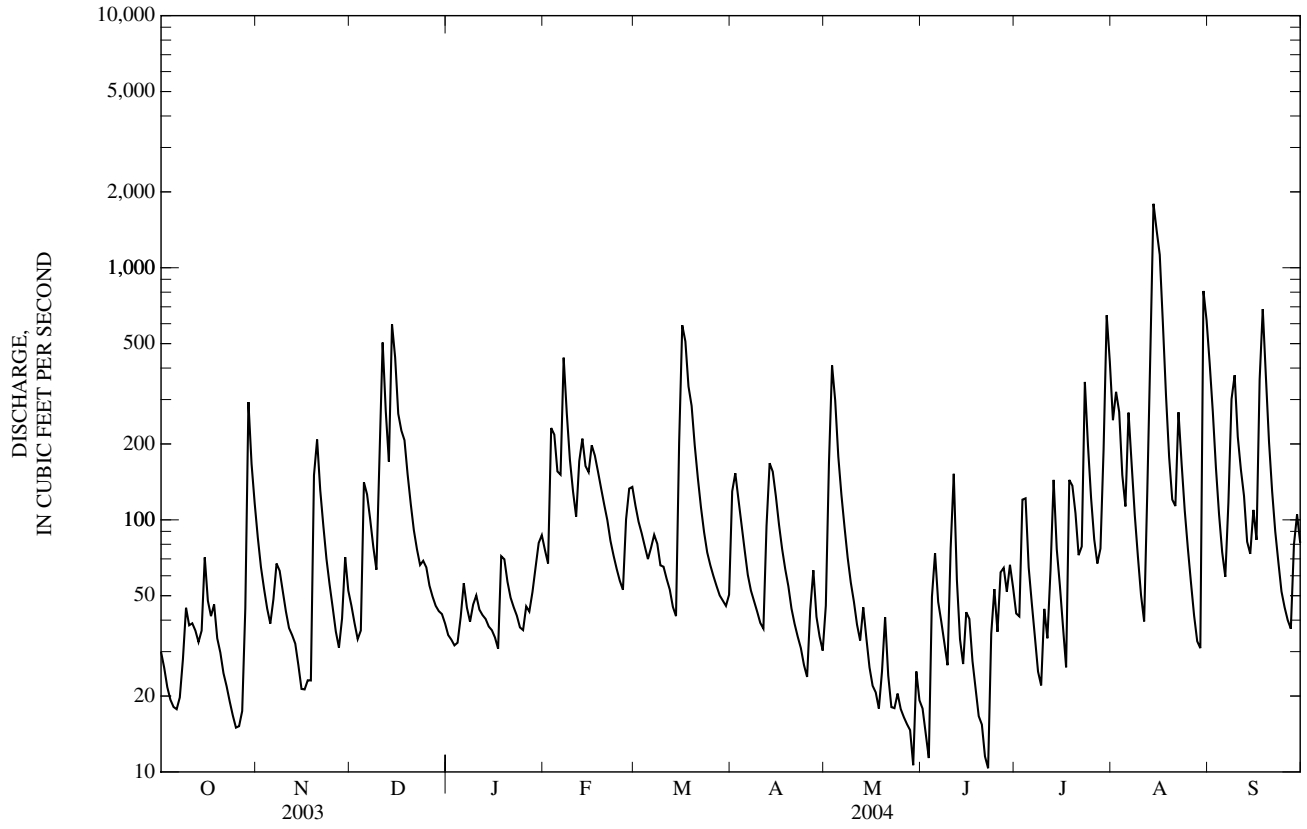
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

MEAN	101	70.1	111	178	195	218	136	52.6	65.0	82.8	117	197
MAX	352	201	308	422	412	429	310	92.8	170	166	331	939
(WY)	(2003)	(2003)	(2003)	(1998)	(1998)	(1998)	(2003)	(2003)	(2001)	(1997)	(2004)	(1999)
MIN	22.2	31.5	27.1	33.7	74.0	75.4	70.0	15.6	13.1	26.0	23.7	23.3
(WY)	(2001)	(2002)	(2002)	(2001)	(2002)	(2000)	(2004)	(2002)	(1999)	(1999)	(1997)	(1997)

02087275 CRABTREE CREEK AT US HIGHWAY 70 AT RALEIGH, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1997 - 2004	
ANNUAL TOTAL	59,001		41,703			
ANNUAL MEAN	162		114		129	
HIGHEST ANNUAL MEAN					213	2003
LOWEST ANNUAL MEAN					68.8	2002
HIGHEST DAILY MEAN	2,040	Apr 10	1,790	Aug 14	5,030	Sep 16, 1999
LOWEST DAILY MEAN	15	Oct 25	10	Jun 22	4.9	Jun 13, 2002
ANNUAL SEVEN-DAY MINIMUM	19	Oct 21	16	May 23	5.6	Jun 12, 2002
MAXIMUM PEAK FLOW			2,760	Aug 14	7,080	Sep 16, 1999
MAXIMUM PEAK STAGE			14.03	Aug 14	21.50	Sep 16, 1999
INSTANTANEOUS LOW FLOW			4.8	May 29	1.6*	Jun 14, 2002
ANNUAL RUNOFF (CFSM)	1.66		1.17		1.32	
ANNUAL RUNOFF (INCHES)	22.49		15.89		17.92	
10 PERCENT EXCEEDS	355		253		287	
50 PERCENT EXCEEDS	88		62		55	
90 PERCENT EXCEEDS	32		24		15	

* See REMARKS.
e Estimated.



0208731190 CRABTREE CREEK AT ANDERSON DRIVE AT RALEIGH, NC

LOCATION.--Lat 35°49'16", long 78°38'03", Wake County, Hydrologic Unit 03020201, on the downstream side of Anderson Drive bridge and 2.3 mi north of Raleigh.

DRAINAGE AREA.--111 mi^2.

PERIOD OF RECORD.--May 1990 to May 1991, October 1991 to April 1993, June 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is 187.29 ft above NGVD of 1929. Satellite and telephone telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum, 21.04 ft, Sep. 16, 1999; minimum not determined.

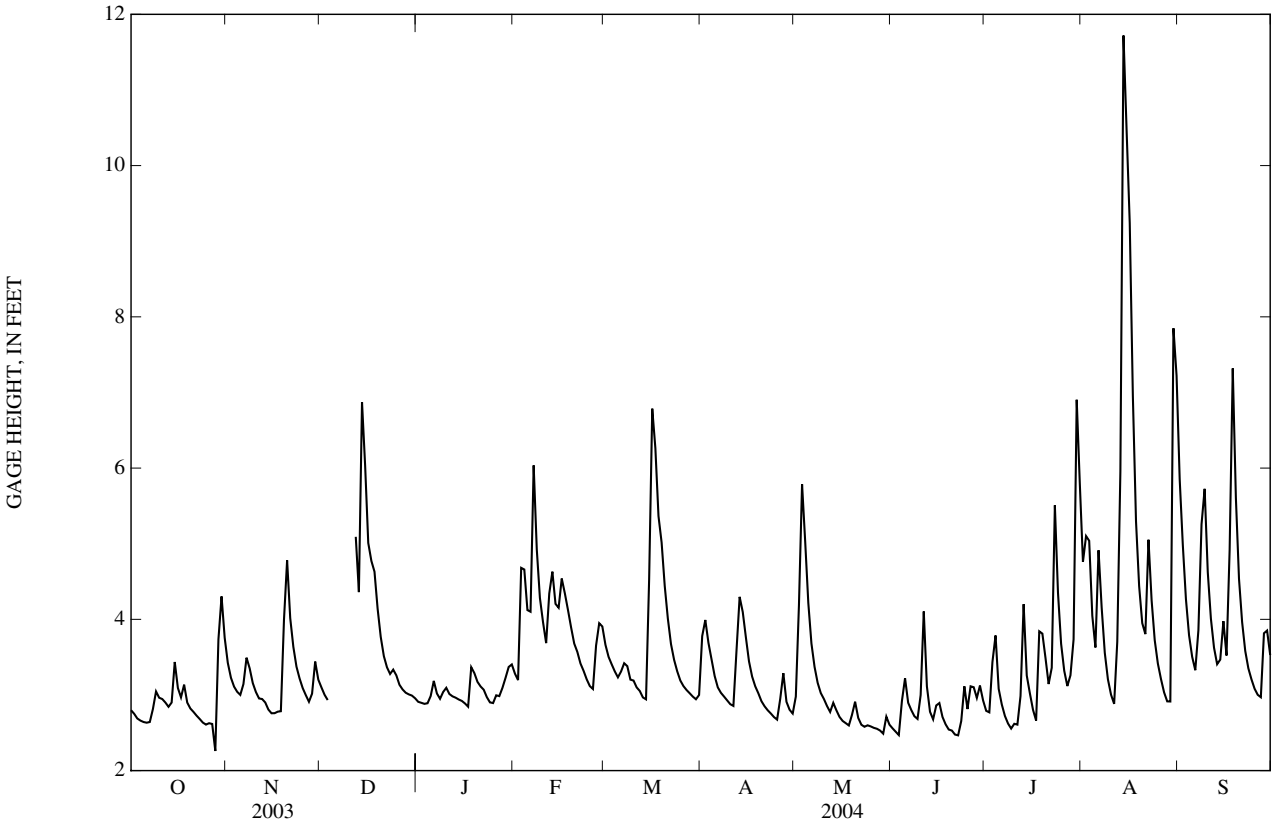
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of September 1996 reached a stage of 23.1 ft from flood marks.

EXTREMES FOR CURRENT YEAR.--Maximum, 14.67 ft, Aug. 14; minimum, 1.75 ft, Oct. 29.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.80	3.42	3.10	2.91	3.28	3.66	3.78	2.98	2.56	2.79	4.76	5.85
2	2.75	3.23	3.00	2.90	3.20	3.50	3.99	4.19	2.51	2.77	5.10	4.98
3	2.69	3.11	2.93	2.88	4.68	3.41	3.69	5.79	2.47	3.44	5.04	4.27
4	2.66	3.04	---	2.89	4.66	3.31	3.47	5.03	2.92	3.79	4.05	3.79
5	2.64	3.00	---	2.99	4.12	3.23	3.25	4.22	3.22	3.08	3.63	3.50
6	2.63	3.14	---	3.19	4.10	3.31	3.10	3.68	2.90	2.87	4.91	3.33
7	2.64	3.49	---	3.02	6.04	3.42	3.03	3.37	2.80	2.72	4.16	3.86
8	2.81	3.35	---	2.95	4.92	3.38	2.98	3.16	2.72	2.62	3.56	5.26
9	3.05	3.16	---	3.04	4.28	3.20	2.93	3.03	2.68	2.56	3.21	5.73
10	2.96	3.04	---	3.09	3.96	3.19	2.88	2.95	3.00	2.62	3.00	4.62
11	2.95	2.95	---	3.01	3.69	3.10	2.86	2.85	4.10	2.61	2.88	4.01
12	2.90	2.95	5.09	2.98	4.34	3.05	3.59	2.78	3.11	2.99	3.70	3.63
13	2.84	2.90	4.36	2.96	4.63	2.97	4.30	2.90	2.78	4.20	5.96	3.41
14	2.90	2.81	6.87	2.94	4.21	2.94	4.10	2.80	2.68	3.26	11.72	3.47
15	3.44	2.76	6.03	2.92	4.15	4.53	3.76	2.71	2.86	3.02	10.46	3.98
16	3.09	2.76	5.01	2.89	4.54	6.79	3.44	2.66	2.89	2.80	9.24	3.52
17	2.97	2.78	4.77	2.85	4.34	6.26	3.24	2.63	2.71	2.66	6.95	4.92
18	3.14	2.79	4.63	3.37	4.12	5.36	3.11	2.60	2.61	3.84	5.30	7.32
19	2.90	4.00	4.14	3.29	3.89	5.02	3.02	2.74	2.54	3.81	4.44	5.61
20	2.82	4.78	3.77	3.17	3.68	4.44	2.92	2.91	2.53	3.49	3.95	4.54
21	2.78	4.02	3.51	3.11	3.57	4.01	2.85	2.70	2.48	3.14	3.80	3.96
22	2.73	3.64	3.37	3.07	3.42	3.67	2.80	2.61	2.47	3.36	5.05	3.58
23	2.68	3.37	3.28	2.97	3.32	3.47	2.75	2.58	2.66	5.51	4.25	3.35
24	2.64	3.22	3.34	2.90	3.21	3.31	2.71	2.60	3.11	4.35	3.72	3.21
25	2.61	3.09	3.26	2.89	3.12	3.19	2.67	2.58	2.81	3.68	3.42	3.08
26	2.63	3.00	3.13	3.00	3.08	3.12	2.95	2.57	3.11	3.32	3.21	3.00
27	2.62	2.91	3.07	2.98	3.65	3.06	3.29	2.55	3.10	3.12	3.03	2.97
28	2.26	3.02	3.03	3.09	3.95	3.02	2.91	2.53	2.96	3.26	2.92	3.82
29	3.74	3.44	3.01	3.23	3.91	2.98	2.80	2.49	3.12	3.74	2.91	3.85
30	4.30	3.20	2.99	3.37	---	2.94	2.75	2.71	2.93	6.90	7.85	3.53
31	3.76	---	2.96	3.40	---	3.00	---	2.61	---	5.79	7.22	---
MEAN	2.91	3.21	---	3.04	4.00	3.67	3.20	3.05	2.84	3.49	4.95	4.13
MAX	4.30	4.78	---	3.40	6.04	6.79	4.30	5.79	4.10	6.90	11.72	7.32
MIN	2.26	2.76	---	2.85	3.08	2.94	2.67	2.49	2.47	2.56	2.88	2.97

02208731190 CRABTREE CREEK AT ANDERSON DRIVE AT RALEIGH, NC—Continued



02087322 CRABTREE CREEK AT OLD WAKE FOREST ROAD AT RALEIGH, NC

LOCATION.--Lat 35°48'57", long 78°37'34", Wake County, Hydrologic Unit 030200201, on right bank on upstream side of bridge at Old Wake Forest Road, 2.8 mi northeast of Raleigh.

DRAINAGE AREA.--119 mi^2.

PERIOD OF RECORD.--February 1988 to September 1989, discharge records, October 1989 to October 1991, discharge measurements and unpublished, fragmentary gage-height and discharge records, June 1997 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 186.51 ft above NGVD of 1929. Satellite and telephone telemetry at station.

EXTREMES FOR PERIOD OF RECORD.-- Maximum, 19.93 ft, Sept. 16, 1999; minimum, 1.18 ft, June 13, 14, July 8, 2002.

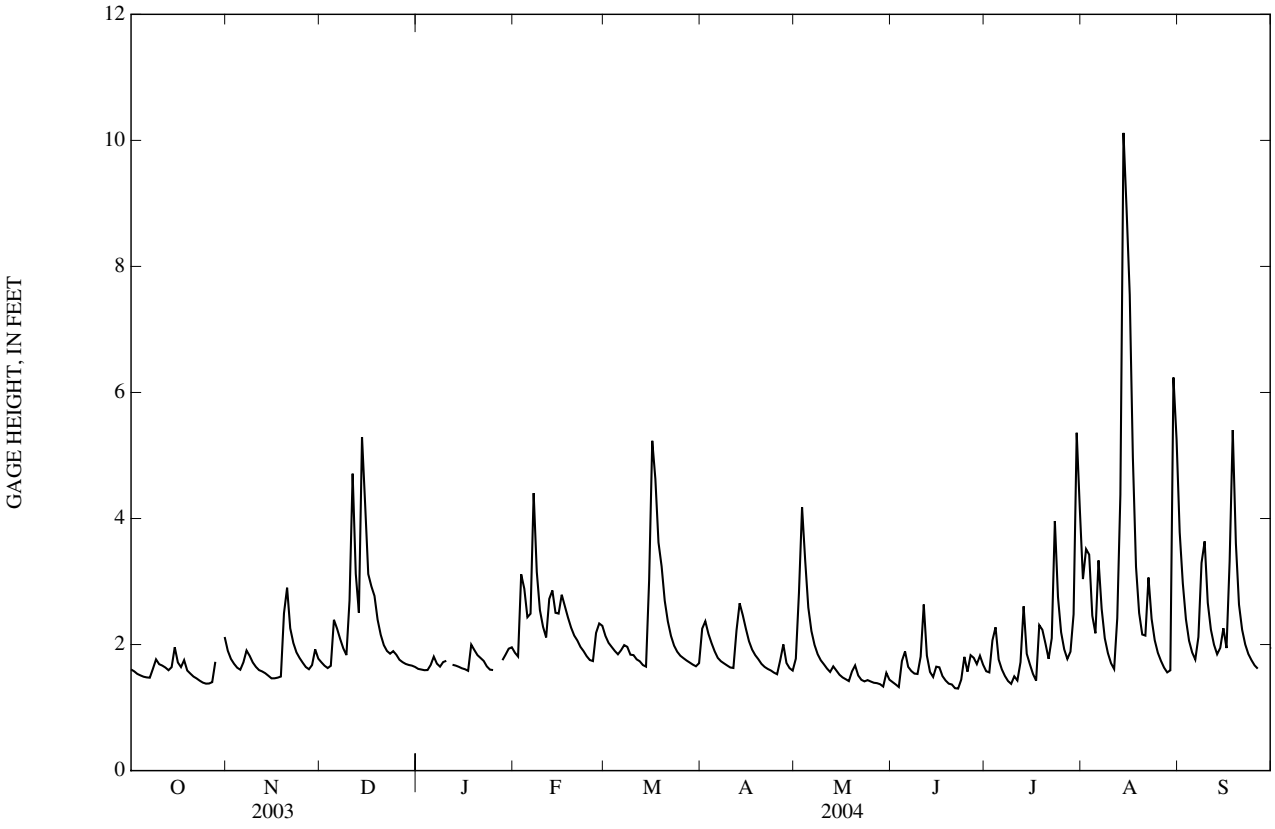
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 1996 reached a stage of 21.6 ft, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum, 12.25 ft, Aug. 13; minimum, 1.25 ft, June 4, 22.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.60	1.90	1.72	1.61	1.87	2.14	2.25	1.78	1.40	1.58	3.04	3.78
2	1.58	1.77	1.66	1.60	1.81	2.03	2.37	2.82	1.37	1.56	3.52	2.97
3	1.53	1.69	1.63	1.59	3.11	1.96	2.17	4.18	1.33	2.07	3.43	2.40
4	1.51	1.63	1.66	1.60	2.89	1.90	2.02	3.33	1.74	2.27	2.46	2.06
5	1.49	1.60	2.39	1.68	2.43	1.85	1.89	2.59	1.89	1.76	2.18	1.87
6	1.48	1.72	2.25	1.81	2.49	1.91	1.79	2.21	1.65	1.61	3.34	1.76
7	1.47	1.91	2.09	1.70	4.40	1.99	1.74	1.99	1.58	1.50	2.57	2.12
8	1.62	1.82	1.94	1.65	3.15	1.96	1.70	1.85	1.54	1.42	2.10	3.30
9	1.77	1.72	1.83	1.72	2.55	1.84	1.67	1.75	1.53	1.38	1.86	3.64
10	1.69	1.65	2.70	1.74	2.28	1.83	1.64	1.69	1.81	1.50	1.70	2.66
11	1.67	1.59	4.71	---	2.11	1.77	1.63	1.62	2.64	1.43	1.61	2.24
12	1.64	1.57	3.12	1.68	2.72	1.73	2.23	1.57	1.82	1.72	2.42	2.00
13	1.59	1.54	2.51	1.67	2.86	1.67	2.65	1.65	1.56	2.61	4.38	1.85
14	1.64	1.50	5.29	1.65	2.50	1.65	2.47	1.59	1.49	1.85	10.12	1.95
15	1.96	1.46	4.23	1.62	2.49	3.02	2.25	1.52	1.65	1.69	8.89	2.26
16	1.72	1.46	3.12	1.61	2.79	5.23	2.05	1.48	1.64	1.53	7.55	1.94
17	1.64	1.48	2.92	1.58	2.61	4.63	1.92	1.45	1.50	1.43	4.97	3.32
18	1.75	1.49	2.77	2.00	2.43	3.62	1.83	1.42	1.43	2.31	3.23	5.40
19	1.59	2.50	2.39	1.91	2.27	3.24	1.77	1.57	1.38	2.23	2.50	3.61
20	1.54	2.90	2.15	1.83	2.14	2.70	1.69	1.67	1.37	2.02	2.16	2.63
21	1.49	2.26	1.99	1.79	2.06	2.37	1.65	1.51	1.31	1.77	2.14	2.24
22	1.46	2.03	1.90	1.74	1.96	2.14	1.61	1.44	1.30	2.10	3.06	2.00
23	1.43	1.88	1.85	1.65	1.90	1.98	1.59	1.42	1.44	3.96	2.41	1.85
24	1.40	1.79	1.90	1.60	1.81	1.89	1.55	1.44	1.80	2.75	2.07	1.75
25	1.38	1.71	1.84	1.60	1.75	1.82	1.53	1.41	1.57	2.20	1.87	1.67
26	1.38	1.64	1.76	---	1.74	1.78	1.75	1.39	1.83	1.92	1.74	1.62
27	1.40	1.61	1.72	---	2.18	1.75	2.00	1.39	1.79	1.77	1.63	---
28	1.73	1.67	1.69	1.75	2.33	1.71	1.71	1.37	1.69	1.89	1.56	---
29	---	1.92	1.68	1.84	2.30	1.68	1.63	1.33	1.82	2.48	1.59	---
30	---	1.78	1.67	1.93	---	1.66	1.59	1.55	1.68	5.36	6.24	1.95
31	2.12	---	1.64	1.96	---	1.70	---	1.44	---	4.15	5.26	---
MEAN	---	1.77	2.35	---	2.41	2.23	1.88	1.79	1.62	2.12	3.34	---
MAX	---	2.90	5.29	---	4.40	5.23	2.65	4.18	2.64	5.36	10.12	---
MIN	---	1.46	1.63	---	1.74	1.65	1.53	1.33	1.30	1.38	1.56	---

02087322 CRABTREE CREEK AT OLD WAKE FOREST ROAD AT RALEIGH, NC—Continued



02087324 CRABTREE CREEK AT US HIGHWAY 1 AT RALEIGH, NC

LOCATION.--Lat 35°48'40", long 78°36'39", Wake County, Hydrologic Unit 03020201, on downstream side of bridge on U.S. Highway 1, 2.7 mi northeast of Raleigh, and 7.2 mi upstream from mouth.

DRAINAGE AREA.--121 mi^2.

PERIOD OF RECORD.--July 1990 to current year.

GAGE.--Water-stage recorder. Datum of gage is 182.27 ft above NGVD of 1929. Prior to Aug. 8, 1999, at site 40 ft upstream at datum 183.27 ft above NGVD of 1929. Satellite and telephone telemetry at station.

REMARKS.--Records good, except those for estimated daily discharges, which are poor. Maximum gage height for period of record from high-water mark in gage well. Minimum discharge for period of record also occurred Oct. 8, 9, 1994. Minimum discharge for current water year also occurred June 4, 22.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 29, 1973, reached a stage of about 17.98 ft, discharge, about 13,500 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	113	60	57	91	135	154	76	29	48	294	445
2	50	88	53	55	83	117	174	258	26	49	381	295
3	45	73	47	54	301	106	138	516	23	118	350	183
4	42	62	54	54	266	97	112	352	81	160	186	119
5	40	56	184	65	187	87	92	211	96	74	138	86
6	38	72	155	83	192	96	78	142	58	52	324	70
7	e41	103	123	67	541	111	71	104	49	40	204	126
8	e54	87	96	61	314	107	66	81	e41	33	127	356
9	80	68	77	71	209	87	61	68	e34	29	89	435
10	71	57	233	73	162	87	57	59	e120	49	65	235
11	66	50	617	66	133	78	55	51	233	37	54	147
12	62	47	325	63	239	74	153	45	85	69	185	103
13	57	43	211	62	262	67	226	55	47	228	614	79
14	64	39	719	59	201	64	187	48	38	91	2,110	101
15	121	33	514	56	197	295	148	41	59	67	1,720	160
16	78	31	313	55	250	703	113	37	57	46	1,320	94
17	66	32	277	51	217	586	91	34	39	35	712	386
18	89	34	252	108	186	402	79	31	31	162	363	805
19	61	209	186	92	158	332	71	57	27	153	214	424
20	54	288	144	81	137	235	62	61	26	117	147	226
21	49	165	115	76	123	176	55	40	22	78	133	149
22	45	119	100	72	107	137	51	33	21	142	295	107
23	41	91	94	64	96	110	47	30	31	457	191	82
24	37	76	100	57	85	95	43	32	79	e230	129	68
25	35	65	90	57	76	85	41	30	47	142	94	58
26	37	54	79	65	75	80	76	28	84	98	74	52
27	40	47	73	65	150	75	111	28	73	74	61	49
28	102	55	69	78	170	71	63	26	62	92	53	133
29	502	96	67	89	164	67	53	23	79	208	58	133
30	240	70	65	102	---	63	48	52	60	737	e950	99
31	157	---	62	104	---	67	---	33	---	495	755	---
TOTAL	2,518	2,423	5,554	2,162	5,372	4,892	2,776	2,682	1,757	4,410	12,390	5,805
MEAN	81.2	80.8	179	69.7	185	158	92.5	86.5	58.6	142	400	194
MAX	502	288	719	108	541	703	226	516	233	737	2,110	805
MIN	35	31	47	51	75	63	41	23	21	29	53	49
CFSM	0.67	0.67	1.48	0.58	1.53	1.30	0.76	0.72	0.48	1.18	3.30	1.60
IN.	0.77	0.74	1.71	0.66	1.65	1.50	0.85	0.82	0.54	1.36	3.81	1.78

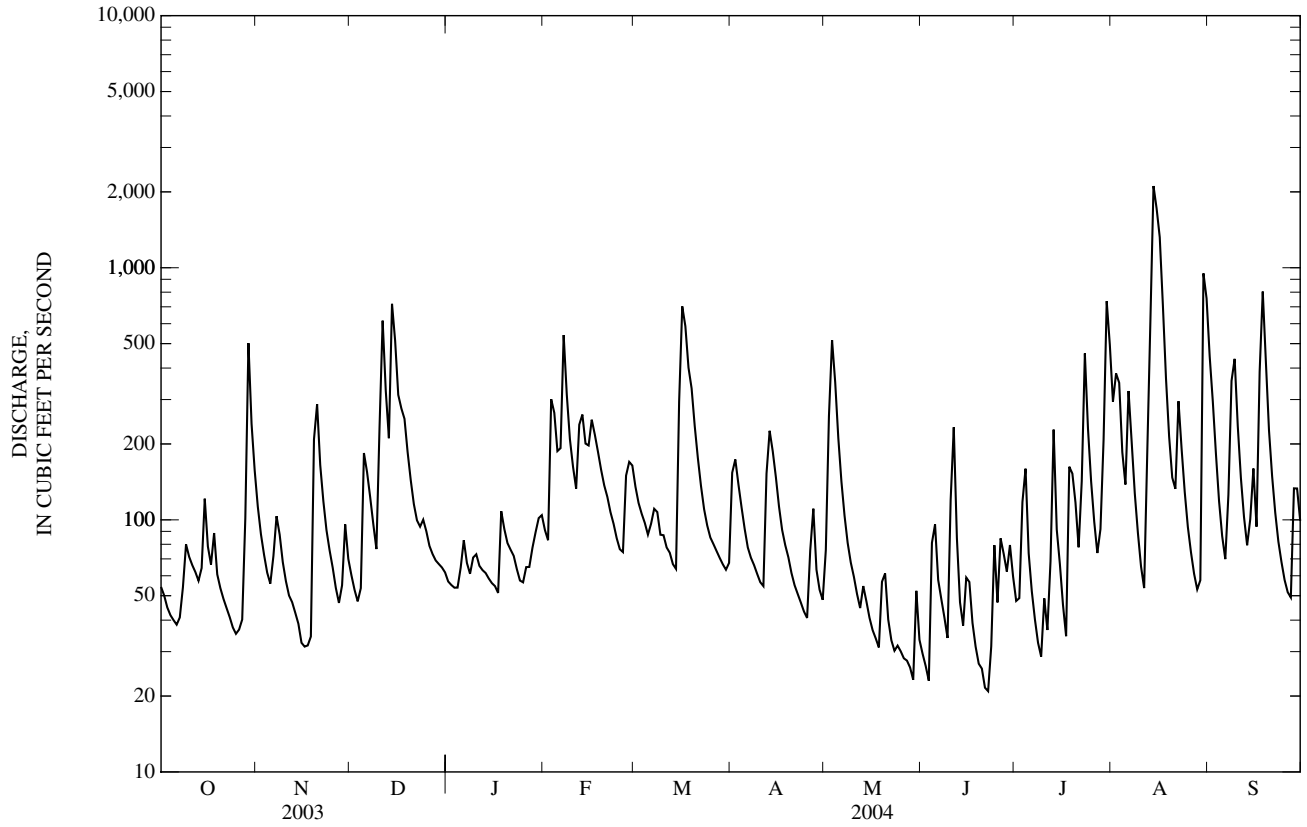
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

MEAN	135	102	119	224	204	239	154	77.8	110	96.1	115	215
MAX	427	255	335	495	483	494	382	128	257	198	400	1,162
(WY)	(2003)	(1993)	(2003)	(1998)	(1998)	(1998)	(2003)	(2003)	(1990)	(1997)	(2004)	(1999)
MIN	30.8	23.2	44.2	45.0	59.5	103	57.4	21.3	21.3	30.7	31.7	14.2
(WY)	(1992)	(1992)	(2002)	(2001)	(1991)	(2000)	(1995)	(2002)	(1999)	(1993)	(1993)	(1990)

02087324 CRABTREE CREEK AT US HIGHWAY 1 AT RALEIGH, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	75,058		52,741			
ANNUAL MEAN	206		144		150	
HIGHEST ANNUAL MEAN					261	2003
LOWEST ANNUAL MEAN					96.7	2002
HIGHEST DAILY MEAN	2,330	Apr 10	2,110	Aug 14	7,730	Sep 6, 1996
LOWEST DAILY MEAN	31	Nov 16	21	Jun 22	1.9	Oct 8, 1994
ANNUAL SEVEN-DAY MINIMUM	37	Nov 12	28	May 23	2.3	Oct 2, 1994
MAXIMUM PEAK FLOW			2,730	Aug 13	12,700	Sep 6, 1996
MAXIMUM PEAK STAGE			10.90	Aug 13	18.23*	Sep 6, 1996
INSTANTANEOUS LOW FLOW			18*	May 30	1.9*	Oct 7, 1994
ANNUAL RUNOFF (CFSM)	1.70		1.19		1.24	
ANNUAL RUNOFF (INCHES)	23.08		16.21		16.84	
10 PERCENT EXCEEDS	452		295		326	
50 PERCENT EXCEEDS	115		80		71	
90 PERCENT EXCEEDS	49		39		21	

* See REMARKS.
e Estimated.



0208732534 PIGEON HOUSE CREEK AT CAMERON VILLAGE AT RALEIGH, NC

LOCATION.--Lat 35°47'15", long 78°39'17", Wake County, Hydrologic Unit 03020201, on right bank, downstream of Cameron Village in Wells Park, on the upstream side of Forest Drive.

DRAINAGE AREA.--0.27 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1996 to current year. Fragmentary records, July 1987 to September 1996, are available in the U.S.G.S. District Office, Raleigh, NC.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 320 ft above NGVD of 1929 from topographic map. Satellite telemetry at station.

REMARKS.--Records poor. No flow occurred many days June to Oct. 2002.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.04	0.03	0.03	0.05	0.04	e0.09	e0.20	e0.40	e0.06	e0.10	e0.20	e0.09
2	0.04	0.03	0.03	0.04	0.05	e0.08	e0.10	e1.8	e0.05	e0.20	e1.6	e0.08
3	0.05	0.04	0.03	0.04	1.5	e0.08	e0.08	e0.50	e0.10	e0.10	e0.20	e0.08
4	0.04	0.04	0.56	0.04	0.06	e0.09	e0.09	e0.10	e0.60	e0.08	e0.10	e0.08
5	0.04	0.04	0.34	0.39	e0.06	e0.10	e0.08	e0.08	e0.10	e0.07	e1.1	e0.07
6	0.04	0.41	0.04	0.04	e1.2	e0.20	e0.08	e0.08	e0.07	e0.04	e0.20	e0.10
7	0.08	0.05	0.04	0.04	e0.40	e0.20	e0.08	e0.07	e0.08	e0.05	e0.10	e0.40
8	1.1	0.29	0.04	0.04	e0.07	e0.10	e0.07	e0.07	e0.07	e0.04	e0.06	e1.3
9	0.26	0.03	0.04	0.19	e0.06	e0.20	e0.09	e0.06	e0.09	e0.04	e0.04	e0.10
10	0.63	0.03	2.7	0.04	e0.06	e0.10	e0.07	e0.07	e0.08	e0.05	e0.05	e0.08
11	0.25	0.04	0.15	0.04	e0.05	e0.08	e0.10	e0.07	e0.10	e0.10	e0.10	e0.07
12	0.17	0.04	0.05	0.05	e1.0	e0.06	e1.0	e0.06	e0.09	e1.2	e1.1	e0.07
13	0.12	0.04	0.09	0.03	e0.10	e0.07	e0.30	e0.06	e0.07	e0.10	e3.3	e0.10
14	0.56	0.03	2.7	0.03	e0.20	e0.10	e0.10	e0.07	e0.10	e0.06	e2.2	e0.60
15	0.11	0.03	0.08	0.03	e0.50	e1.0	e0.08	e0.06	e0.30	e0.05	e2.3	e0.80
16	0.03	0.04	0.05	0.03	e0.30	e1.1	e0.08	e0.06	e0.10	e0.06	e0.20	e0.10
17	0.18	0.04	0.59	0.04	e0.20	e0.20	e0.07	e0.07	e0.07	e0.10	e0.10	e2.9
18	0.08	0.04	0.05	0.53	e0.14	e0.50	e0.07	e0.10	e0.08	e0.40	e0.08	e0.50
19	0.03	2.0	0.06	0.03	e0.10	e0.20	e0.06	e0.70	e0.09	e0.10	e0.07	e0.10
20	0.03	0.06	0.06	0.03	e0.09	e0.10	e0.06	e0.10	e0.08	e0.07	e0.10	e0.08
21	0.03	0.04	0.06	0.02	e0.09	e0.09	e0.07	e0.08	e0.09	e0.10	e1.8	e0.07
22	0.03	0.04	0.07	0.03	e0.08	e0.08	e0.06	e0.07	e0.10	e1.4	e0.40	e0.07
23	0.03	0.04	0.37	0.03	e0.08	e0.07	e0.06	e0.06	e0.07	e2.1	e0.10	e0.06
24	0.03	0.04	0.22	0.03	e0.09	e0.07	e0.07	e0.06	e0.10	e0.20	e0.07	e0.06
25	0.03	0.04	0.05	0.03	e0.10	e0.06	e0.10	e0.05	e0.40	e0.16	e0.07	e0.05
26	0.05	0.04	0.05	0.03	e0.20	e0.06	e0.60	e0.06	e0.70	e0.13	e0.08	e0.07
27	0.03	0.04	0.04	0.10	e0.60	e0.06	e0.20	e0.06	e0.10	e0.08	e0.09	e0.10
28	1.6	0.29	0.04	0.28	e0.20	e0.07	e0.10	e0.05	e0.80	e0.10	e0.10	e1.0
29	2.0	0.04	0.04	0.28	e0.10	e0.06	e0.08	e0.10	e0.50	e1.0	e0.20	e0.10
30	0.06	0.03	0.04	0.13	---	e0.08	e0.10	e0.30	e0.10	e0.10	e4.3	e0.08
31	0.03	---	0.04	0.04	---	e0.07	---	e0.10	---	e0.60	e0.10	---
TOTAL	7.80	3.99	8.75	2.75	7.72	5.42	4.30	5.57	5.34	8.98	20.51	9.36
MEAN	0.25	0.13	0.28	0.09	0.27	0.17	0.14	0.18	0.18	0.29	0.66	0.31
MAX	2.0	2.0	2.7	0.53	1.5	1.1	1.0	1.8	0.80	2.1	4.3	2.9
MIN	0.03	0.03	0.03	0.02	0.04	0.06	0.06	0.05	0.05	0.04	0.04	0.05
CFSM	0.93	0.49	1.05	0.33	0.99	0.65	0.53	0.67	0.66	1.07	2.45	1.16
IN.	1.07	0.55	1.21	0.38	1.06	0.75	0.59	0.77	0.74	1.24	2.83	1.29

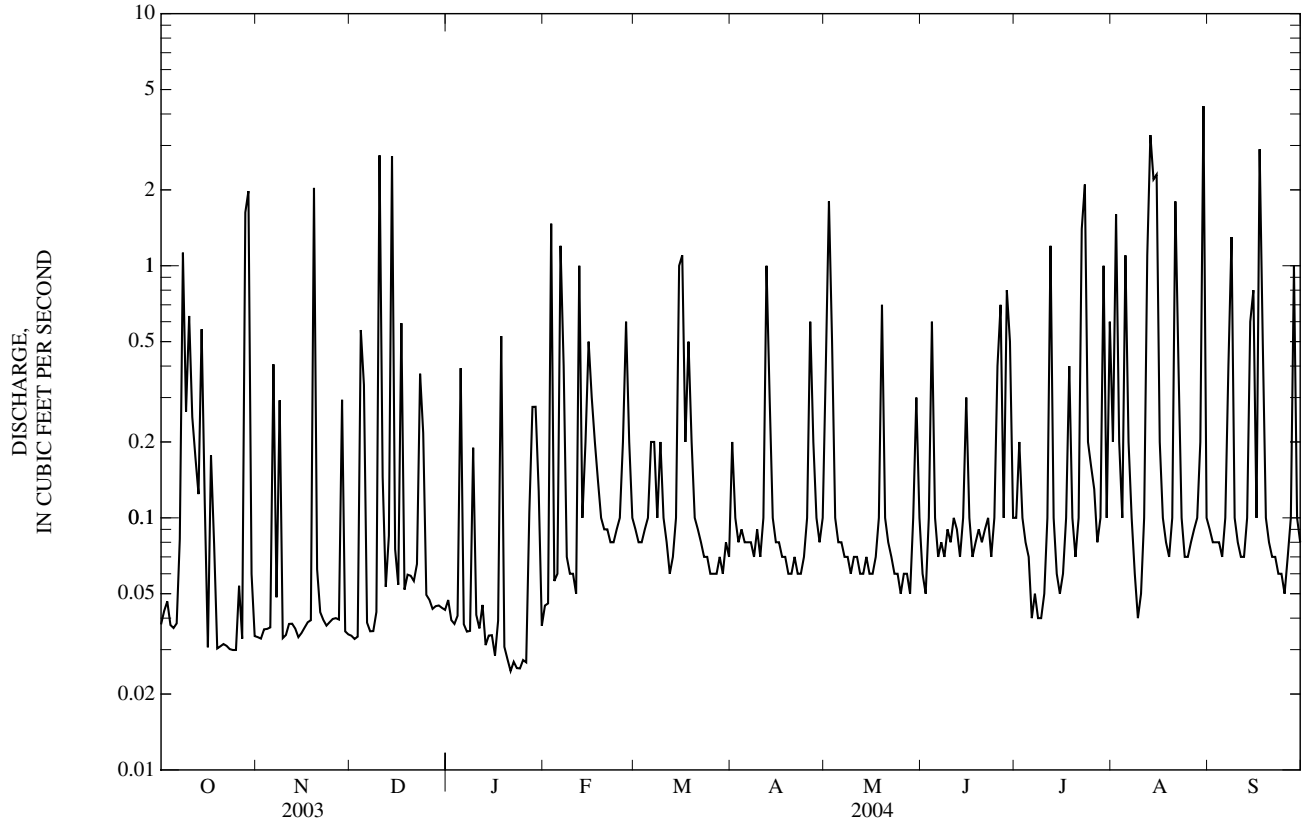
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

MEAN	0.33	0.28	0.36	0.54	0.44	0.56	0.34	0.26	0.39	0.52	0.54	0.62
MAX	0.81	0.46	0.74	1.32	1.02	1.31	0.63	0.60	0.74	0.91	0.85	2.78
(WY)	(2003)	(1998)	(2003)	(1998)	(1998)	(1998)	(1997)	(1997)	(2001)	(2003)	(2003)	(1999)
MIN	0.03	0.04	0.12	0.05	0.11	0.17	0.05	0.05	0.18	0.21	0.17	0.08
(WY)	(2001)	(2002)	(2001)	(2001)	(2002)	(2004)	(2002)	(2002)	(1999)	(1999)	(2001)	(2002)

0208732534 PIGEON HOUSE CREEK AT CAMERON VILLAGE AT RALEIGH, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1997 - 2004	
ANNUAL TOTAL	169.60		90.49			
ANNUAL MEAN	0.46		0.25		0.43	
HIGHEST ANNUAL MEAN					0.69	1998
LOWEST ANNUAL MEAN					0.20	2002
HIGHEST DAILY MEAN	17	Jul 29	4.3	Aug 30	17	Jul 29, 2003
LOWEST DAILY MEAN	0.03	Jul 26	0.02	Jan 21	0.00	Jun 24, 2002
ANNUAL SEVEN-DAY MINIMUM	0.03	Oct 19	0.03	Jan 19	0.00	Aug 5, 2002
MAXIMUM PEAK FLOW			NOT DETERMINED		622	Aug 21, 1999
MAXIMUM PEAK STAGE			NOT DETERMINED		8.23	Aug 21, 1999
INSTANTANEOUS LOW FLOW			NOT DETERMINED		0.00*	Jun 24, 2002
ANNUAL RUNOFF (CFSM)	1.72		0.916		1.61	
ANNUAL RUNOFF (INCHES)	23.37		12.47		21.86	
10 PERCENT EXCEEDS	1.1		0.60		0.96	
50 PERCENT EXCEEDS	0.07		0.08		0.10	
90 PERCENT EXCEEDS	0.04		0.04		0.02	

* See REMARKS.
e Estimated.



0208732534 PIGEON HOUSE CREEK AT CAMERON VILLAGE AT RALEIGH, NC—Continued

PRECIPITATION RECORDS

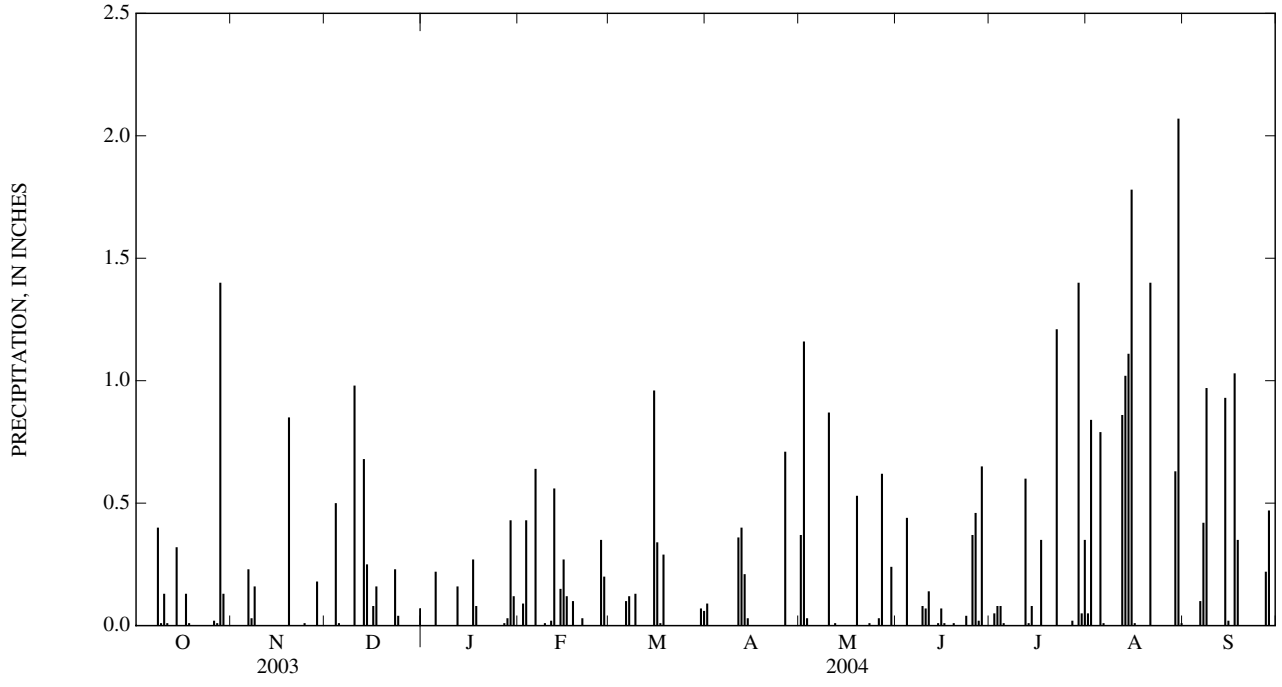
PERIOD OF RECORD.--July 1987 to current year. Records from July 1987 to January 2000 are unpublished and available in the USGS District Office in Raleigh, NC.

GAGE.--Tipping-bucket raingage and data collection platform.

REMARKS.--Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.37	0.00	0.00	0.05	0.00
2	0.00	0.00	0.00	0.00	0.09	0.00	0.00	1.16	0.00	0.05	0.84	0.00
3	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.03	0.00	0.08	0.00	0.00
4	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.44	0.08	0.00	0.00
5	0.00	0.00	0.01	0.22	0.00	0.00	0.00	0.00	0.00	0.01	0.79	0.00
6	0.00	0.23	0.00	0.00	0.64	0.10	0.00	0.00	0.00	0.00	0.01	0.10
7	0.00	0.03	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.42
8	0.40	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97
9	0.01	0.00	0.00	0.00	0.01	0.13	0.00	0.00	0.08	0.00	0.00	0.00
10	0.13	0.00	0.98	0.00	0.00	0.00	0.00	0.87	0.07	0.00	0.00	0.00
11	0.01	0.00	0.00	0.00	0.02	0.00	0.36	0.00	0.14	0.00	0.00	0.00
12	0.00	0.00	0.00	0.16	0.56	0.00	0.40	0.01	0.00	0.60	0.86	0.00
13	0.00	0.00	0.68	0.00	0.00	0.00	0.21	0.00	0.00	0.01	1.02	0.00
14	0.32	0.00	0.25	0.00	0.15	0.00	0.03	0.00	0.01	0.08	1.11	0.93
15	0.00	0.00	0.00	0.00	0.27	0.96	0.00	0.00	0.07	0.00	1.78	0.02
16	0.00	0.00	0.08	0.00	0.12	0.34	0.00	0.00	0.01	0.00	0.01	0.00
17	0.13	0.00	0.16	0.27	0.00	0.01	0.00	0.00	0.00	0.35	0.00	1.03
18	0.01	0.00	0.00	0.08	0.10	0.29	0.00	0.00	0.00	0.00	0.00	0.35
19	0.00	0.85	0.00	0.00	0.00	0.00	0.00	0.53	0.01	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	1.40	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.21	0.00	0.00
23	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.01	0.04	0.00	0.00	0.00
24	0.00	0.01	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.00	0.00
26	0.02	0.00	0.00	0.00	0.00	0.00	0.71	0.03	0.46	0.00	0.00	0.00
27	0.01	0.00	0.00	0.01	0.35	0.00	0.00	0.62	0.02	0.02	0.00	0.22
28	1.40	0.18	0.00	0.03	0.20	0.00	0.00	0.00	0.65	0.00	0.00	0.47
29	0.13	0.00	0.00	0.43	0.00	0.00	0.00	0.00	0.00	1.40	0.63	0.00
30	0.00	0.00	0.00	0.12	---	0.07	0.00	0.24	0.00	0.05	2.07	0.00
31	0.00	---	0.00	0.00	---	0.06	---	0.00	---	0.35	0.01	---
TOTAL	2.57	1.46	2.93	1.32	2.97	2.08	1.80	3.87	2.37	4.29	10.58	4.51



0208732885 MARSH CREEK NEAR NEW HOPE, NC

LOCATION.--Lat 35°49'01", long 78°35'35", Wake County, Hydrologic Unit 03020201, at right upstream wingwall, on bridge at Stoneybrook Road, 0.2 mi downstream of U.S. Highway 401, and 2.9 mi southwest of New Hope.

DRAINAGE AREA.--6.84 mi^2

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1984 to current year.

REVISED RECORDS.--WDR NC-95-1: 1995(M).

GAGE.--Water-stage recorder. Datum of gage is 196.63 ft above NGVD of 1929. Satellite and telephone telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Maximum discharge for period of record from rating curve extension above 1,300 ft^3/s, on basis of indirect measurement of peak flow. No flow also occurred Aug. 5, 1999.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	4.0	4.4	2.9	3.9	5.1	16	11	2.0	2.3	13	4.2
2	2.0	3.3	3.5	2.9	3.7	4.3	6.2	45	1.6	4.2	19	2.9
3	1.8	3.0	3.9	2.9	35	4.6	4.5	36	1.2	8.6	9.6	2.3
4	1.8	3.0	8.4	2.9	8.2	8.0	3.6	7.0	23	5.0	4.6	1.9
5	1.8	3.2	20	6.1	5.4	3.7	3.1	4.4	6.6	5.4	5.9	1.3
6	1.8	13	6.6	6.6	19	6.5	3.0	3.4	2.9	2.4	12	1.6
7	1.9	10	4.4	3.8	45	6.4	3.1	2.9	3.1	1.4	5.3	4.4
8	6.2	11	3.5	3.2	7.3	8.4	3.1	2.5	52	3.0	3.2	14
9	9.7	5.4	3.4	6.9	5.7	5.3	3.1	2.3	21	4.8	2.3	7.4
10	6.9	6.6	48	7.4	4.8	4.9	3.2	2.1	11	28	2.0	1.9
11	4.3	3.3	31	3.7	4.8	3.6	3.4	2.0	13	19	1.5	1.4
12	3.0	2.8	7.6	3.8	30	3.1	34	2.2	9.2	11	21	1.1
13	2.4	3.8	5.1	3.4	9.7	2.9	34	2.1	3.6	14	90	1.1
14	7.3	4.6	74	3.0	8.8	2.9	11	2.0	3.1	5.6	114	13
15	14	4.4	12	2.8	16	54	6.6	1.9	6.7	3.5	112	21
16	3.7	4.9	6.3	2.7	16	44	4.5	1.8	4.9	2.2	31	4.0
17	3.7	5.8	16	2.8	9.6	16	3.5	1.8	3.3	1.8	7.3	47
18	8.8	5.9	7.4	17	7.0	16	2.8	1.6	2.6	15	4.1	29
19	3.5	40	5.2	5.7	5.4	9.8	3.1	11	3.1	5.4	3.5	6.0
20	2.9	17	4.1	3.9	4.3	6.2	2.7	4.8	3.1	3.9	3.4	3.0
21	2.5	6.1	3.8	3.1	3.8	4.7	2.5	2.4	2.9	2.3	9.4	2.3
22	2.3	4.9	3.6	3.2	4.0	4.6	2.6	1.9	3.4	20	17	1.6
23	1.9	3.7	6.3	3.4	3.5	4.0	2.4	1.7	5.8	34	7.1	1.6
24	1.8	3.3	11	3.4	3.3	3.8	2.3	1.5	4.6	6.4	5.3	1.4
25	1.9	3.3	5.0	3.8	3.1	3.8	2.3	1.4	5.7	4.3	2.0	1.3
26	2.3	3.1	3.9	4.4	4.8	3.7	8.5	1.3	14	3.7	1.6	1.4
27	2.3	2.9	3.5	6.6	25	3.8	15	1.6	4.7	3.0	1.8	1.4
28	26	5.2	3.1	12	12	3.4	4.7	1.2	5.7	4.8	1.9	5.5
29	72	5.6	3.1	11	7.6	3.9	3.5	1.1	8.1	26	7.5	3.1
30	7.6	3.7	3.0	8.9	---	4.2	2.8	10	3.1	16	177	2.1
31	5.0	---	2.9	5.5	---	7.1	---	2.2	---	18	13	---
MEAN	6.95	6.56	10.5	5.15	10.9	8.47	6.70	5.62	7.83	9.19	22.8	6.34
MAX	72	40	74	17	45	54	34	45	52	34	177	47
MIN	1.8	2.8	2.9	2.7	3.1	2.9	2.3	1.1	1.2	1.4	1.5	1.1
IN.	1.17	1.07	1.76	0.87	1.72	1.43	1.09	0.95	1.28	1.55	3.85	1.03

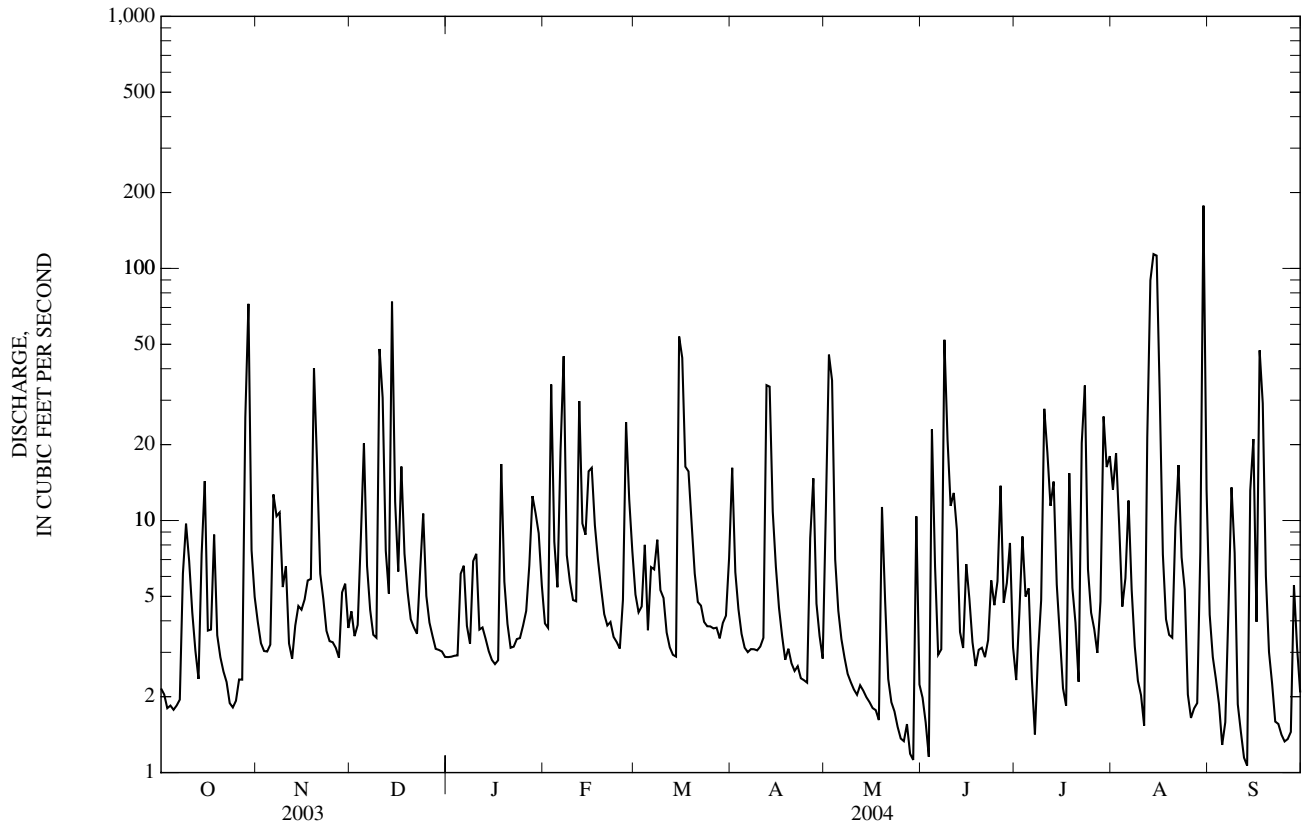
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2004, BY WATER YEAR (WY)

MEAN	7.98	7.58	7.32	11.9	11.4	13.6	9.79	8.05	8.42	9.07	11.1	11.5
MAX	28.2	15.7	16.2	30.3	22.0	31.9	21.5	25.9	20.3	25.0	38.0	67.4
(WY)	(2003)	(1996)	(2003)	(1998)	(1998)	(1998)	(2003)	(1984)	(1989)	(1997)	(1986)	(1999)
MIN	1.39	1.72	2.02	3.62	2.77	3.71	2.08	2.05	1.29	2.44	2.07	1.15
(WY)	(2001)	(1992)	(1995)	(2001)	(1991)	(1985)	(1986)	(2002)	(1993)	(1987)	(1993)	(1985)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1984 - 2004	
ANNUAL MEAN	13.5		8.93		9.71	
HIGHEST ANNUAL MEAN					16.3	2003
LOWEST ANNUAL MEAN					5.18	1985
HIGHEST DAILY MEAN	275	Aug 8	177	Aug 30	890	Sep 6, 1996
LOWEST DAILY MEAN	1.8	Oct 3	1.1	May 29	0.00	Aug 3, 1999
ANNUAL SEVEN-DAY MINIMUM	1.9	Oct 1	1.4	May 23	0.05	Aug 1, 1999
MAXIMUM PEAK FLOW			700	Aug 30	3900*	Sep 6, 1996
MAXIMUM PEAK STAGE			8.43	Aug 30	13.33	Sep 6, 1996
INSTANTANEOUS LOW FLOW			0.73	Jul 8	0.00*	Aug 3, 1999
ANNUAL RUNOFF (INCHES)	26.73		17.78		19.29	
10 PERCENT EXCEEDS	30		18		19	
50 PERCENT EXCEEDS	5.4		4.1		3.4	
90 PERCENT EXCEEDS	2.9		1.9		1.3	

* See REMARKS.

0208732885 MARSH CREEK NEAR NEW HOPE, NC—Continued



0208732885 MARSH CREEK NEAR NEW HOPE, NC—Continued

PRECIPITATION RECORDS

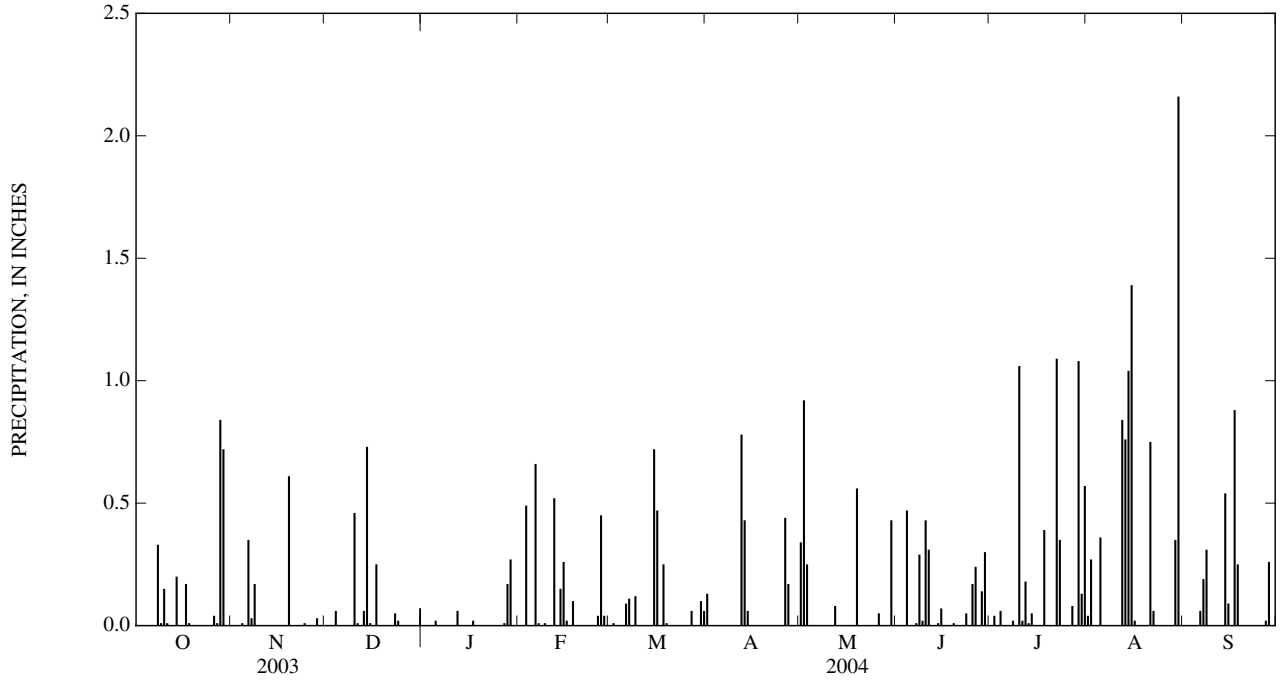
PERIOD OF RECORD.--September 1985 to current year. Records from September 1985 to September 1999 are unpublished and available in the USGS District Office in Raleigh, NC.

GAGE.--Tipping-bucket raingage and data collection platform.

REMARKS.--Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.34	0.00	0.00	0.04	0.00
2	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.92	0.00	0.04	0.27	0.00
3	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.25	0.00	0.00	0.00	0.00
4	0.00	0.01	0.06	0.00	0.00	0.00	0.00	0.00	0.47	0.06	0.00	0.00
5	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.00
6	0.00	0.35	0.00	0.00	0.66	0.09	0.00	0.00	0.00	0.00	0.00	0.06
7	0.00	0.03	0.00	0.00	0.01	0.11	0.00	0.00	0.01	0.00	0.00	0.19
8	0.33	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.02	0.00	0.31
9	0.01	0.00	0.00	0.00	0.01	0.12	0.00	0.00	0.02	0.00	0.00	0.00
10	0.15	0.00	0.46	0.00	0.00	0.00	0.00	0.00	0.43	1.06	0.00	0.00
11	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.31	0.02	0.00	0.00
12	0.00	0.00	0.00	0.06	0.52	0.00	0.78	0.08	0.00	0.18	0.84	0.00
13	0.00	0.00	0.06	0.00	0.00	0.00	0.43	0.00	0.00	0.01	0.76	0.00
14	0.20	0.00	0.73	0.00	0.15	0.00	0.06	0.00	0.01	0.05	1.04	0.54
15	0.00	0.00	0.01	0.00	0.26	0.72	0.00	0.00	0.07	0.00	1.39	0.09
16	0.00	0.00	0.00	0.00	0.02	0.47	0.00	0.00	0.00	0.00	0.02	0.00
17	0.17	0.00	0.25	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88
18	0.01	0.00	0.00	0.00	0.10	0.25	0.00	0.00	0.00	0.39	0.00	0.25
19	0.00	0.61	0.00	0.00	0.00	0.01	0.00	0.56	0.01	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.06	0.00
23	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.05	0.35	0.00	0.00
24	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00
26	0.04	0.00	0.00	0.00	0.04	0.00	0.44	0.05	0.24	0.00	0.00	0.00
27	0.01	0.00	0.00	0.01	0.45	0.06	0.17	0.00	0.00	0.08	0.00	0.02
28	0.84	0.03	0.00	0.17	0.04	0.00	0.00	0.00	0.14	0.00	0.00	0.26
29	0.72	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.30	1.08	0.35	0.00
30	0.00	0.00	0.00	0.00	---	0.10	0.00	0.43	0.00	0.13	2.16	0.00
31	0.00	---	0.00	0.00	---	0.06	---	0.00	---	0.57	0.00	---
TOTAL	2.49	1.21	1.65	0.55	2.75	2.00	2.01	2.63	2.52	5.13	8.04	2.60



0208735012 ROCKY BRANCH BELOW PULLEN DRIVE AT RALEIGH, NC

LOCATION.--Lat 35°46'48", long 78°39'59", Wake County, Hydrologic Unit 03020201, on right bank, 0.1 mi below Pullen Drive at Pullen Park and 1.5 mi north of Raleigh.

DRAINAGE AREA.--1.17 mi^2.

PERIOD OF RECORD.--October 1996 to current year. Fragmentary records, June 1992 to September 1996, are unpublished and available in the files of the USGS District Office, Raleigh, NC.

GAGE.--Water-stage recorder. Elevation of gage is 315 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor. No flow also occurred May 6, July 3, 1999, due to diversion by City of Raleigh.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1.4	0.54	0.44	0.51	0.61	0.95	1.7	2.9	0.38	0.53	1.2	0.94
2	e1.3	0.60	0.46	0.54	0.61	0.89	0.77	15	0.32	1.5	12	e0.80
3	e1.4	0.62	0.49	0.60	9.4	0.87	0.69	5.0	0.30	0.89	1.3	e0.75
4	e1.2	0.70	1.7	0.62	1.3	0.82	0.71	1.2	3.7	0.81	0.64	e0.70
5	e1.1	0.31	1.2	1.9	1.1	0.83	0.68	0.95	0.65	0.75	7.9	e0.60
6	e1.3	0.98	0.43	0.79	8.5	1.4	0.68	0.92	0.42	0.32	1.4	e0.70
7	e1.2	0.51	0.39	0.65	4.3	1.2	0.67	0.84	0.43	0.34	0.45	e2.7
8	e2.4	1.3	0.43	0.54	0.98	0.88	0.65	0.79	0.40	0.31	0.33	11
9	0.92	0.38	0.49	1.2	0.90	1.5	0.77	0.74	0.62	0.27	0.30	1.1
10	1.3	0.54	13	0.73	0.82	0.84	0.75	0.78	0.47	0.31	0.34	0.68
11	0.78	0.38	1.6	0.62	0.74	0.69	0.71	0.77	0.87	0.42	0.36	0.58
12	0.64	0.36	0.81	0.85	6.8	0.67	7.0	0.74	0.60	8.4	7.5	0.54
13	0.67	0.46	0.73	0.67	1.1	0.63	2.1	0.71	0.33	0.94	29	0.53
14	2.3	0.62	12	0.68	1.7	0.91	0.90	0.46	0.41	0.41	22	3.9
15	1.2	0.57	1.1	0.67	3.7	7.0	0.64	0.19	1.8	0.41	22	e6.8
16	0.63	0.61	0.80	0.72	2.5	9.6	0.56	0.24	0.78	0.52	2.0	e1.1
17	1.1	0.65	3.1	0.85	1.8	1.7	0.54	0.25	0.47	0.59	0.79	e22
18	0.92	0.74	0.88	2.9	1.2	3.4	0.53	0.24	0.42	2.8	0.63	4.7
19	0.56	8.5	0.81	0.65	1.0	1.3	0.53	4.6	e0.51	0.77	0.56	0.92
20	0.62	0.76	0.77	0.58	0.94	1.0	0.51	0.89	e0.54	0.73	0.52	0.70
21	0.63	0.51	0.63	0.54	0.98	0.96	0.54	0.57	e0.46	0.63	13	0.61
22	0.67	0.55	0.62	0.59	0.84	0.85	0.48	0.53	0.47	e10	3.4	0.57
23	0.77	0.52	1.2	0.51	0.82	0.80	0.48	0.40	0.60	e19	0.66	0.57
24	0.52	0.53	1.2	0.49	0.82	0.79	0.47	0.40	0.38	e1.9	0.56	0.55
25	0.46	0.49	0.64	0.58	0.84	0.80	0.45	0.35	2.7	e1.5	0.50	0.51
26	0.58	0.43	0.67	0.72	1.3	0.80	4.2	0.39	5.4	e1.1	0.50	0.50
27	0.60	0.44	0.60	1.2	4.3	0.82	1.8	0.38	0.64	e0.50	0.59	0.75
28	6.6	1.1	0.57	1.7	2.0	0.85	0.58	0.33	5.8	0.72	0.49	6.9
29	10	0.51	0.61	1.9	1.0	0.79	0.50	0.31	4.1	6.8	1.5	0.75
30	0.67	0.46	0.57	1.4	---	0.96	0.60	1.8	0.63	1.0	34	0.58
31	0.58	---	0.54	0.71	---	0.80	---	0.55	---	4.4	1.4	---
TOTAL	45.02	25.67	49.48	27.61	62.90	46.30	32.19	44.22	35.60	69.57	167.82	74.03
MEAN	1.45	0.86	1.60	0.89	2.17	1.49	1.07	1.43	1.19	2.24	5.41	2.47
MAX	10	8.5	13	2.9	9.4	9.6	7.0	15	5.8	19	34	22
MIN	0.46	0.31	0.39	0.49	0.61	0.63	0.45	0.19	0.30	0.27	0.30	0.50
CFSM	1.24	0.73	1.36	0.76	1.85	1.28	0.92	1.22	1.01	1.92	4.63	2.11
IN.	1.43	0.82	1.57	0.88	2.00	1.47	1.02	1.41	1.13	2.21	5.34	2.35

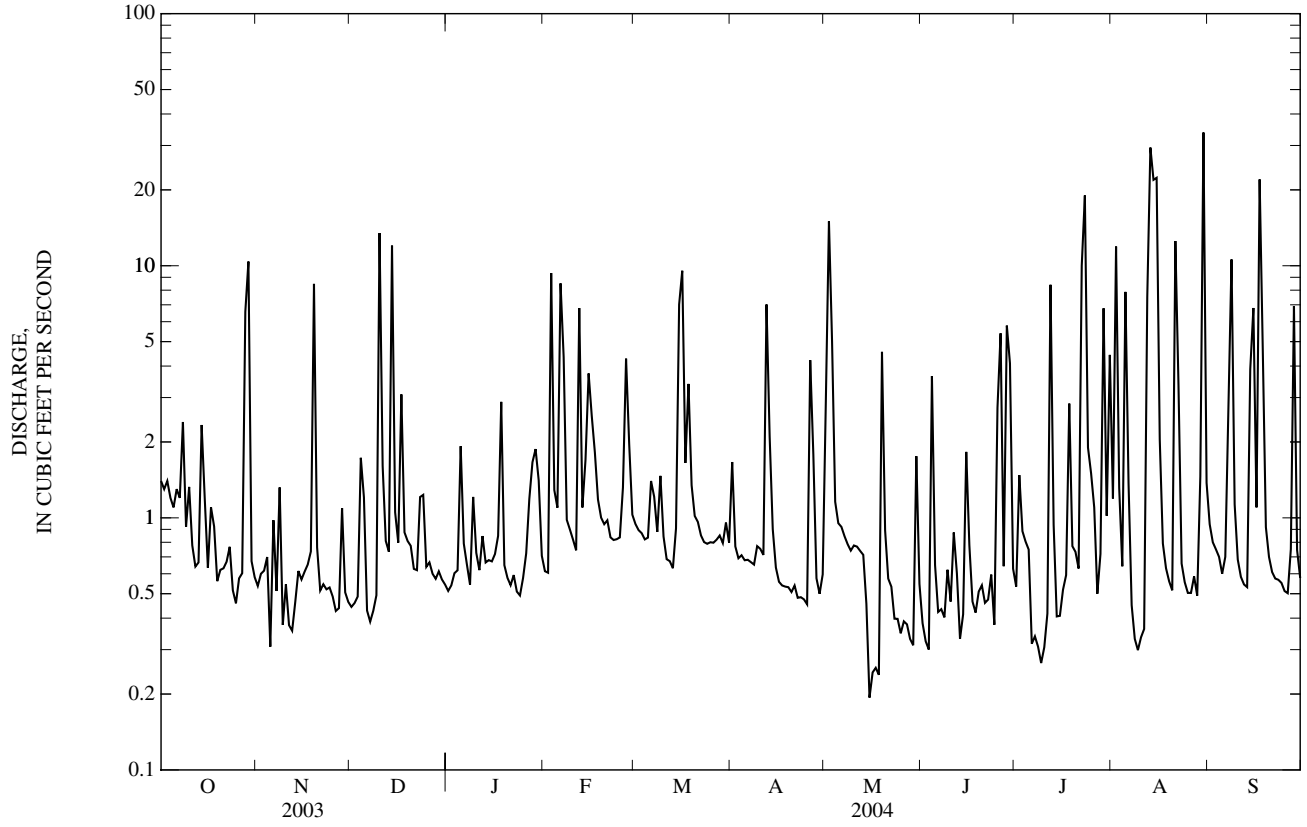
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

MEAN	2.07	1.43	1.70	2.71	2.41	2.87	1.80	1.14	2.12	2.91	3.46	4.16
MAX	4.95	2.70	3.29	6.08	5.45	6.58	2.85	1.71	5.96	5.89	8.11	17.8
(WY)	(2003)	(2003)	(2003)	(1998)	(1998)	(1998)	(2003)	(1997)	(2001)	(2003)	(2003)	(1999)
MIN	0.64	0.49	0.98	0.77	1.17	1.49	0.66	0.49	0.71	1.16	0.71	0.82
(WY)	(2001)	(2002)	(2001)	(2001)	(1999)	(2004)	(2002)	(2000)	(1999)	(1999)	(1997)	(2002)

0208735012 ROCKY BRANCH BELOW PULLEN DRIVE AT RALEIGH, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1997 - 2004	
ANNUAL TOTAL	1,118.10		680.41			
ANNUAL MEAN	3.06		1.86		2.40	
HIGHEST ANNUAL MEAN					3.66	2003
LOWEST ANNUAL MEAN					1.52	2002
HIGHEST DAILY MEAN	101	Aug 8	34	Aug 30	119	Jul 24, 1997
LOWEST DAILY MEAN	0.20	Jan 6	0.19	May 15	0.00	Oct 6, 1998
ANNUAL SEVEN-DAY MINIMUM	0.20	Jan 6	0.37	May 23	0.01	Apr 30, 2000
MAXIMUM PEAK FLOW			739	Aug 13	2,590	Jul 24, 1997
MAXIMUM PEAK STAGE			6.86	Aug 13	9.23	Jul 24, 1997
INSTANTANEOUS LOW FLOW			NOT DETERMINED		0.00*	Oct 6, 1998
ANNUAL RUNOFF (CFSM)	2.62		1.59		2.05	
ANNUAL RUNOFF (INCHES)	35.55		21.63		27.85	
10 PERCENT EXCEEDS	6.5		4.2		4.7	
50 PERCENT EXCEEDS	0.95		0.73		0.66	
90 PERCENT EXCEEDS	0.21		0.42		0.24	

* See REMARKS.
e Estimated.



02087359 WALNUT CREEK AT SUNNYBROOK DRIVE AT RALEIGH, NC

LOCATION.--Lat 35°45'30", long 78°34'59", Wake County, Hydrologic Unit 03020201, at bridge on Secondary Road 2544, 0.9 mi upstream from Big Branch, and 3.5 mi southeast of Raleigh.

DRAINAGE AREA.--29.0 mi^2.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Elevation of gage is 190.8 ft above NGVD of 1929. Satellite and telephone telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Maximum discharge for period of record from computation of peak flow through culvert; maximum gage height, 17.03 ft, from high-water mark in gage shelter. Minimum discharge for period of record also occurred Aug. 5, 6, 7, 8, 1999, Oct. 6, 2002.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	20	13	13	21	32	29	22	8.0	16	149	53
2	9.9	15	11	13	18	26	27	74	5.9	23	109	30
3	e9.2	14	9.7	13	99	24	21	247	4.6	18	126	21
4	8.8	14	11	13	56	e20	18	64	36	13	33	17
5	10	15	48	18	32	e15	16	31	27	16	23	14
6	11	16	25	27	36	e20	14	21	14	7.2	156	21
7	14	32	18	18	176	24	14	17	17	4.9	46	44
8	26	35	14	15	50	39	15	14	15	3.7	21	100
9	31	25	13	20	30	26	15	13	13	3.0	13	95
10	25	19	56	21	25	34	15	12	13	2.6	9.7	35
11	24	17	196	16	21	24	16	11	9.6	2.7	7.7	22
12	18	16	53	16	92	21	68	11	20	9.0	52	16
13	15	16	27	16	60	19	86	14	7.2	51	147	13
14	16	14	187	14	40	17	47	16	16	19	390	20
15	40	12	74	14	46	68	30	13	9.0	17	504	86
16	20	12	36	13	80	126	21	12	13	6.7	427	30
17	14	13	52	12	49	133	18	10	9.9	3.6	92	73
18	22	13	37	41	39	68	16	10	13	30	49	270
19	14	88	27	27	30	66	16	19	6.5	13	33	83
20	12	78	22	19	25	37	14	34	4.8	9.0	23	35
21	13	32	18	16	27	30	14	16	3.4	6.1	21	23
22	16	21	17	15	23	24	13	11	3.5	12	260	18
23	15	16	18	15	e21	21	12	10	3.6	136	58	15
24	16	14	38	13	e20	20	11	8.1	7.4	38	29	13
25	25	13	22	13	19	19	10	7.5	29	17	19	11
26	38	11	18	17	21	18	34	6.6	75	11	15	11
27	47	10	16	19	72	18	59	6.4	36	7.6	13	12
28	73	12	14	29	63	19	26	6.0	80	5.8	11	58
29	242	21	15	34	48	17	17	5.5	80	47	16	42
30	61	15	14	33	---	17	14	32	27	112	397	22
31	30	---	13	28	---	21	---	13	---	69	280	---
TOTAL	925.9	649	1,132.7	591	1,339	1,063	726	787.1	607.4	729.9	3,529.4	1,303
MEAN	29.9	21.6	36.5	19.1	46.2	34.3	24.2	25.4	20.2	23.5	114	43.4
MAX	242	88	196	41	176	133	86	247	80	136	504	270
MIN	8.8	10	9.7	12	18	15	10	5.5	3.4	2.6	7.7	11

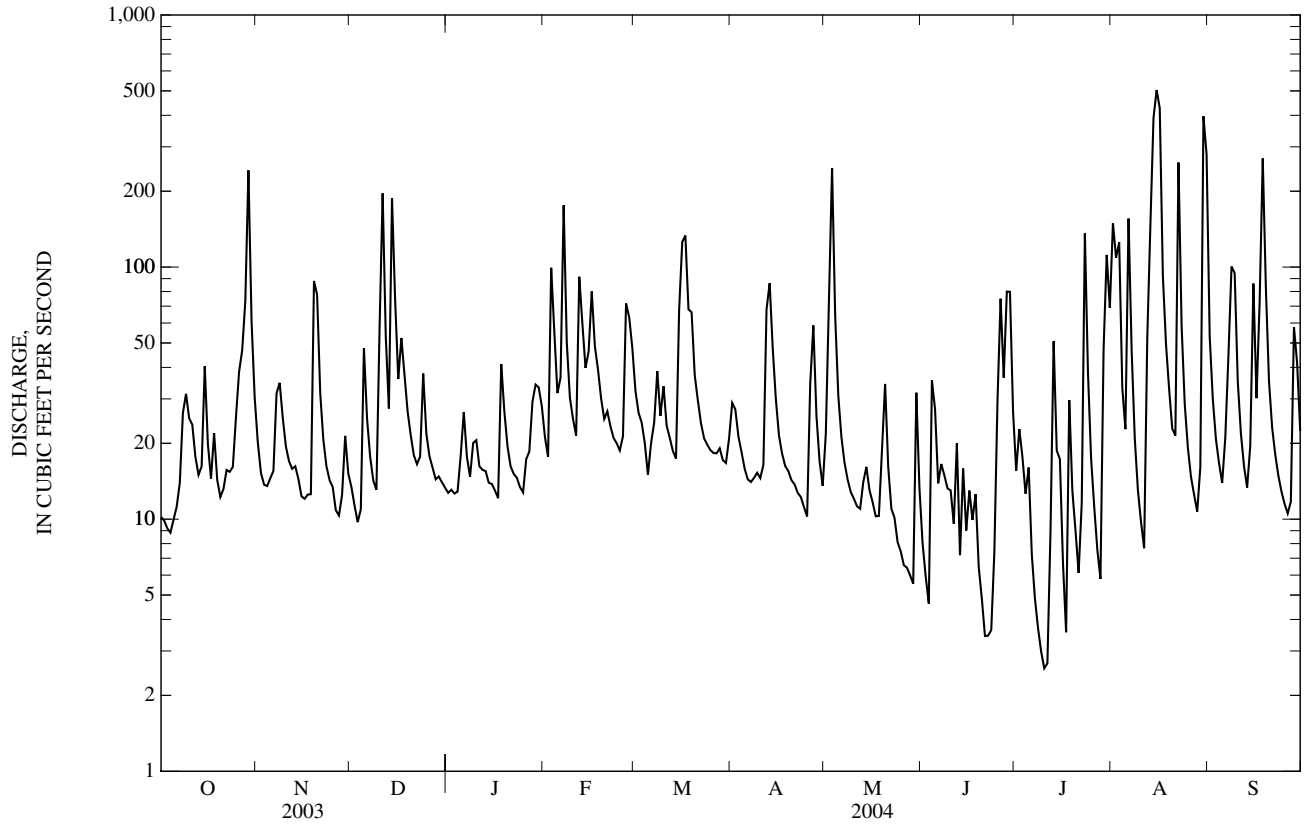
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

MEAN	32.1	22.3	30.8	49.1	46.6	56.7	41.9	19.5	32.2	33.2	41.8	76.1
MAX	79.3	44.5	58.5	106	98.0	123	84.5	34.3	81.9	54.3	114	263
(WY)	(2003)	(2003)	(2003)	(1998)	(1998)	(1998)	(2003)	(2003)	(2001)	(2003)	(2004)	(1999)
MIN	9.04	5.69	15.2	13.9	21.9	26.0	20.9	3.03	11.9	11.3	8.00	10.6
(WY)	(2001)	(2002)	(2001)	(2001)	(1999)	(2002)	(1999)	(2002)	(2002)	(1999)	(1997)	(2001)

02087359 WALNUT CREEK AT SUNNYBROOK DRIVE AT RALEIGH, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1996 - 2004	
ANNUAL TOTAL	19,446.9		13,383.4			
ANNUAL MEAN	53.3		36.6		39.1	
HIGHEST ANNUAL MEAN					61.2	2003
LOWEST ANNUAL MEAN					23.4	2002
HIGHEST DAILY MEAN	879	Aug 9	504	Aug 15	3,600	Sep 6, 1996
LOWEST DAILY MEAN	6.1	Jul 28	2.6	Jul 10	0.50	Aug 8, 2002
ANNUAL SEVEN-DAY MINIMUM	8.1	Jul 22	4.7	Jul 6	0.50	Aug 8, 2002
MAXIMUM PEAK FLOW			758	Aug 30	6760*	Sep 6, 1996
MAXIMUM PEAK STAGE			8.52	Aug 30	17.03*	Sep 6, 1996
INSTANTANEOUS LOW FLOW			2.2	Jul 11	2.0*	Aug 4, 1999
10 PERCENT EXCEEDS	108		74		72	
50 PERCENT EXCEEDS	25		19		17	
90 PERCENT EXCEEDS	13		9.8		6.2	

* See REMARKS.
e Estimated.



02087359 WALNUT CREEK AT SUNNYBROOK DRIVE AT RALEIGH, NC—Continued

PRECIPITATION RECORDS

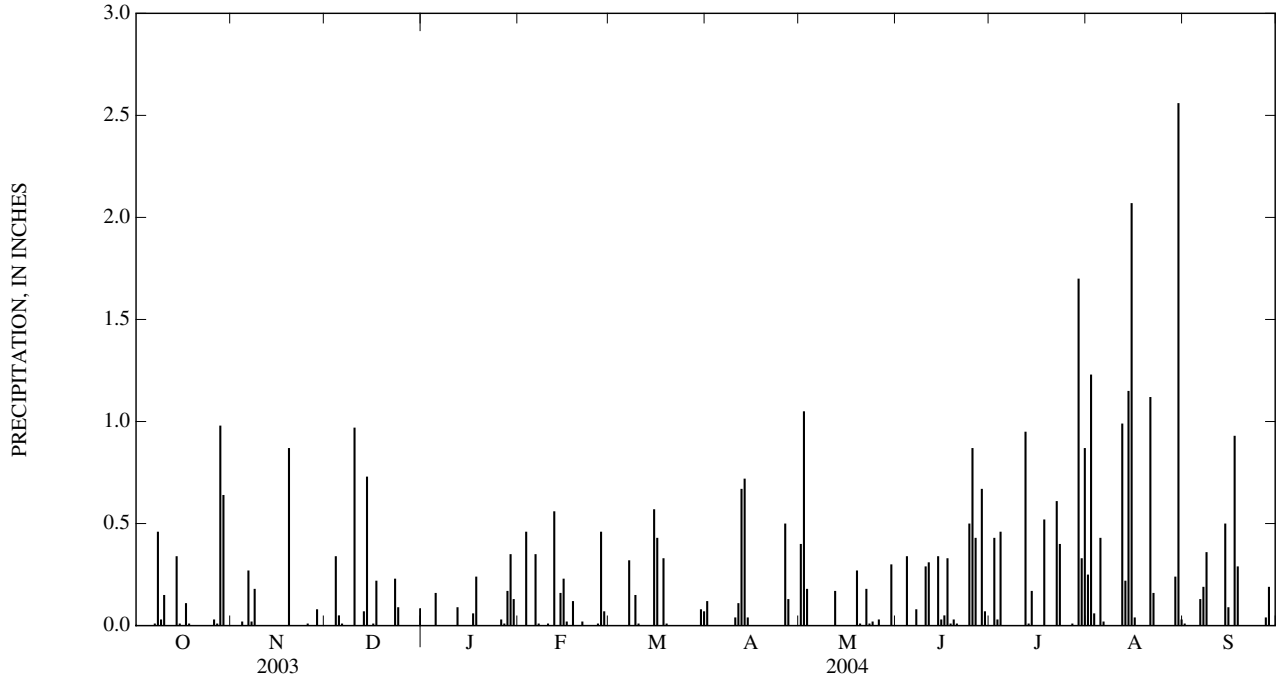
PERIOD OF RECORD.--July 1996 to current year. Records from July 1996 to September 1998 are unpublished and available in the USGS District Office, Raleigh, NC.

GAGE.--Tipping bucket raingage and data collection platform. Satellite telemetry at station.

REMARKS.--Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.40	0.00	0.00	0.25	0.01
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	0.00	0.43	1.23	0.00
3	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.18	0.00	0.03	0.06	0.00
4	0.00	0.02	0.34	0.00	0.00	---	0.00	0.00	0.34	0.46	0.00	0.00
5	0.00	0.00	0.05	0.16	0.00	---	0.00	0.00	0.00	0.00	0.43	0.00
6	0.00	0.27	0.01	0.00	0.35	---	0.00	0.00	0.00	0.00	0.02	0.13
7	0.01	0.02	0.00	0.00	0.01	0.32	0.00	0.00	0.08	0.00	0.00	0.19
8	0.46	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36
9	0.03	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00
10	0.15	0.00	0.97	0.00	0.01	0.01	0.04	0.00	0.29	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.31	0.00	0.00	0.00
12	0.00	0.00	0.00	0.09	0.56	0.00	0.67	0.17	0.00	0.95	0.99	0.00
13	0.00	0.00	0.07	0.00	0.00	0.00	0.72	0.00	0.00	0.01	0.22	0.00
14	0.34	0.00	0.73	0.00	0.16	0.00	0.04	0.00	0.34	0.17	1.15	0.50
15	0.01	0.00	0.00	0.00	0.23	0.57	0.00	0.00	0.03	0.00	2.07	0.09
16	0.00	0.00	0.01	0.00	0.02	0.43	0.00	0.00	0.05	0.00	0.04	0.00
17	0.11	0.00	0.22	0.06	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.93
18	0.01	0.00	0.00	0.24	0.12	0.33	0.00	0.00	0.01	0.52	0.00	0.29
19	0.00	0.87	0.00	0.00	0.00	0.01	0.00	0.27	0.03	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	1.12	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.61	0.16	0.00
23	0.00	0.00	0.23	0.00	---	0.00	0.00	0.01	0.00	0.40	0.00	0.00
24	0.00	0.00	0.09	0.00	---	0.00	0.00	0.02	0.50	0.00	0.00	0.00
25	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.00	0.00	0.00
26	0.03	0.00	0.00	0.03	0.01	0.00	0.50	0.03	0.43	0.00	0.00	0.00
27	0.01	0.00	0.00	0.01	0.46	0.00	0.13	0.00	0.00	0.01	0.00	0.04
28	0.98	0.08	0.00	0.17	0.07	0.00	0.00	0.00	0.67	0.00	0.00	0.19
29	0.64	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.07	1.70	0.24	0.00
30	0.00	0.00	0.00	0.13	---	0.08	0.00	0.30	0.00	0.33	2.56	0.00
31	0.00	---	0.00	0.00	---	0.07	---	0.00	---	0.87	0.03	---
TOTAL	2.78	1.45	2.72	1.24	---	---	2.33	2.62	4.36	6.49	10.57	2.73



02087500 NEUSE RIVER NEAR CLAYTON, NC

LOCATION.--Lat 35°38'50", long 78°24'19", Johnston County, Hydrologic Unit 03020201, on left bank at downstream side of bridge on State Highway 42, 2.3 mi upstream from Mill Creek, and 3 mi east of Clayton.

DRAINAGE AREA.--1,150 mi^2.

PERIOD OF RECORD.--July 1927 to current year.

REVISED RECORDS.--WSP 1032: 1930, 1935(M). WSP 1333: 1935. WSP 1503: 1949. WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 128.41 ft above NGVD of 1929. Prior to Mar. 18, 1942, at site 1,100 ft upstream at same datum. U.S. Army Corps of Engineers satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by Falls Lake (station 02087182), since Dec. 7, 1983. The City of Raleigh diverted an average of 85.2 ft^3/s upstream from station, most of which was returned upstream from station as treated effluent. Prior to regulation, maximum discharge: 22,900 ft^3/s, Sept. 19, 1945; gage height: 22.12 ft; minimum discharge: 44 ft^3/s, Sept. 15, 1932; gage height: 0.28 ft, at site then in use. Minimum discharge for the current water year also occurred July 8.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 23, 1919, reached a stage of 21.15 ft, from floodmark at former site; discharge 21,200 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,300	510	429	634	562	863	617	565	338	402	1,020	1,800
2	855	456	411	626	533	801	724	809	305	353	658	1,980
3	e643	430	402	558	801	769	846	2,050	288	505	1,280	1,820
4	460	410	401	526	1,130	743	947	1,350	354	497	654	1,850
5	376	402	602	535	771	723	1,240	865	660	412	451	1,750
6	373	426	604	612	696	715	622	684	409	320	631	1,730
7	367	547	539	572	1,600	763	525	597	355	285	624	1,810
8	380	503	483	537	1,180	802	515	545	400	262	428	2,020
9	503	483	446	543	827	761	501	511	620	300	350	2,120
10	477	434	504	596	1,580	743	507	480	391	323	312	1,400
11	468	412	2,120	555	2,460	701	531	471	505	614	281	1,710
12	445	410	1,180	544	3,030	588	637	456	502	e410	280	1,860
13	422	396	1,700	548	3,320	519	1,200	460	363	636	906	1,800
14	407	376	2,800	539	2,280	503	1,210	433	320	462	2,820	1,320
15	539	370	2,990	499	1,990	741	834	310	316	373	4,200	1,110
16	495	369	2,210	473	2,180	1,630	1,180	309	345	292	5,310	616
17	432	375	3,010	462	2,020	1,740	1,270	300	323	247	2,000	544
18	455	376	3,440	556	1,980	1,210	1,250	294	303	345	2,060	2,230
19	916	462	3,260	622	1,880	1,230	1,220	303	297	476	1,860	1,460
20	550	1,320	3,140	537	1,570	918	1,200	408	278	381	1,750	816
21	396	749	3,060	506	1,160	778	1,180	343	255	328	1,660	1,020
22	384	568	3,000	498	1,100	684	1,160	304	243	290	2,440	1,060
23	379	492	2,640	490	1,060	625	885	312	244	1,070	1,990	1,000
24	368	460	1,220	476	1,040	607	675	286	355	e765	1,670	969
25	363	438	787	475	772	588	654	273	392	463	853	949
26	371	423	706	504	671	578	663	266	493	372	535	929
27	384	407	684	502	818	571	1,010	266	589	322	415	914
28	402	409	665	520	1,110	572	804	266	422	306	384	592
29	1,670	459	655	576	989	565	695	273	657	360	389	610
30	1,180	455	654	615	---	526	611	309	496	1,240	2,610	510
31	639	---	638	615	---	510	---	462	---	1,010	4,180	---
TOTAL	17,399	14,327	45,380	16,851	41,110	24,067	25,913	15,560	11,818	14,421	45,001	40,299
MEAN	561	478	1,464	544	1,418	776	864	502	394	465	1,452	1,343
MAX	1,670	1,320	3,440	634	3,320	1,740	1,270	2,050	660	1,240	5,310	2,230
MIN	363	369	401	462	533	503	501	266	243	247	280	510

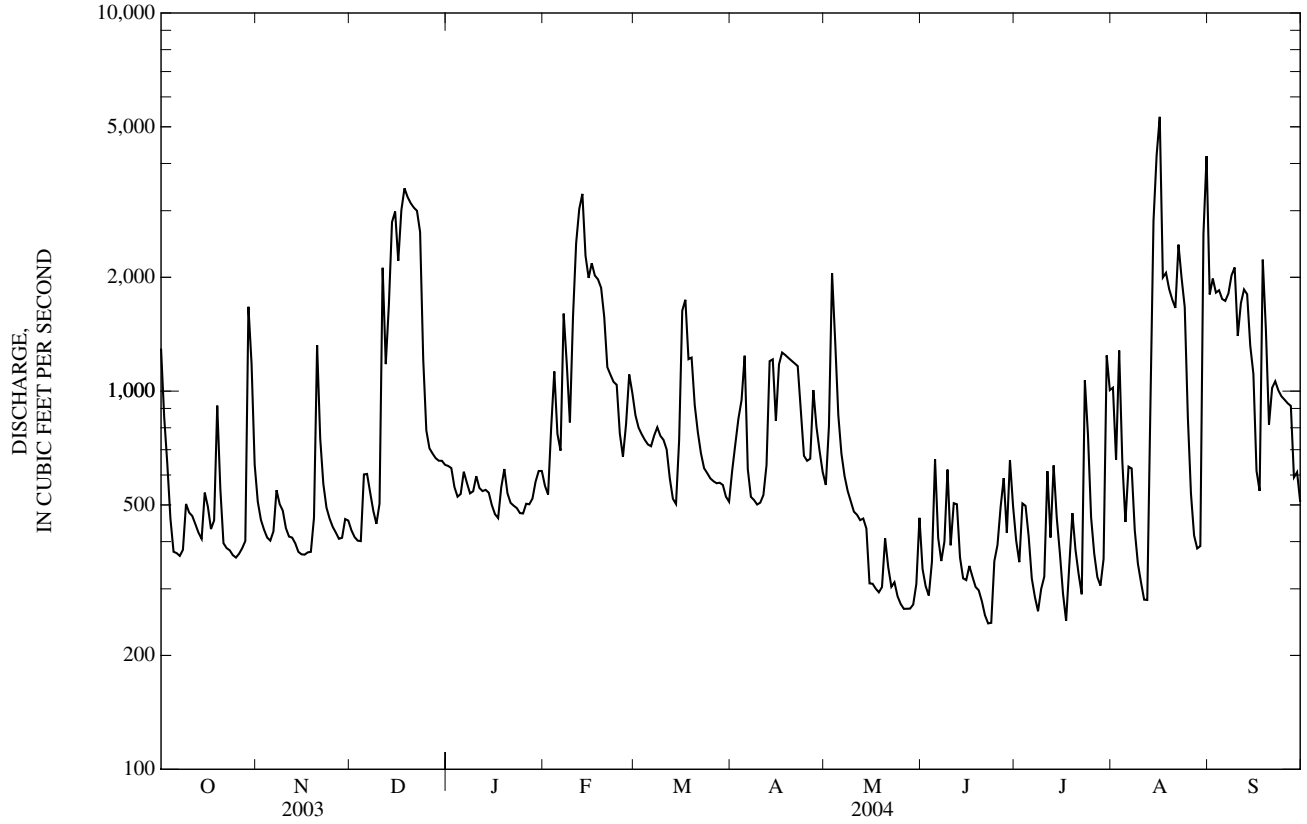
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2004,* BY WATER YEAR (WY)

MEAN	722	689	925	1,354	1,834	2,265	1,799	908	658	614	677	915
MAX	3,822	2,201	2,623	2,821	4,961	5,688	4,813	2,864	2,170	1,841	1,539	6,620
(WY)	(2000)	(1996)	(2003)	(1984)	(1998)	(1998)	(2003)	(1989)	(2003)	(1995)	(1989)	(1996)
MIN	212	215	237	375	452	422	290	292	267	234	204	136
(WY)	(1984)	(1992)	(1995)	(2001)	(2002)	(2002)	(1986)	(2002)	(1999)	(1983)	(1983)	(1985)

02087500 NEUSE RIVER NEAR CLAYTON, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1983 - 2004*	
ANNUAL TOTAL	652,277		312,146			
ANNUAL MEAN	1,787		853		1,109	
HIGHEST ANNUAL MEAN					2,052	2003
LOWEST ANNUAL MEAN					425	2002
HIGHEST DAILY MEAN	7,590	Mar 21	5,310	Aug 16	19,700	Sep 17, 1999
LOWEST DAILY MEAN	363	Oct 25	243	Jun 22	105	Sep 16, 1985
ANNUAL SEVEN-DAY MINIMUM	378	Oct 21	277	May 24	117	Sep 12, 1985
MAXIMUM PEAK FLOW			6,130	Aug 16	20,500	Sep 17, 1999
MAXIMUM PEAK STAGE			9.88	Aug 16	20.67	Sep 17, 1999
INSTANTANEOUS LOW FLOW			224*	Jul 7	78	Sep 18, 1985
10 PERCENT EXCEEDS	4,170		1,850		3,180	
50 PERCENT EXCEEDS	1,170		572		474	
90 PERCENT EXCEEDS	423		323		256	

* Regulated period only (1983-2004). See REMARKS.
e Estimated.



0208755215 NEUSE RIVER ABOVE U.S. HIGHWAY 70 AT SMITHFIELD, NC

LOCATION.--Lat 35°31'13", long 78°20'57", Johnston County, Hydrologic Unit 03020201, at water supply intake, 0.8 mi above U.S. Highway 70 and 0.9 mi northwest of Smithfield.

DRAINAGE AREA.--1,200 mi^2.

PERIOD OF RECORD.--Water years 2003 to current year.

REMARKS.--Station operated as part of NAWQA program from October 2002 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Medium code	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)
OCT													
06...	1230	9	760	7.7	83	7.4	166	18.7	4.7	650	<.5	<.5	<.09
NOV													
04...	1230	9	760	8.1	86	7.2	148	18.0	5.8	75	E.1	<.5	<.09
DEC													
23...	1245	9	760	12.8	105	7.0	96	6.8	5.6	50	<.5	<.5	<.09
30...	1130	9	760	10.4	88	7.2	114	8.0	5.1	75	<.5	<.5	<.09
JUN													
22...	1330	9	--	6.4	--	6.8	249	26.2	--	--	<.5	<.5	<.09
JUL													
27...	0930	9	760	6.5	83	6.9	190	27.7	--	--	--	--	<.09
AUG													
31...	1400	9	758	5.7	69	6.5	68	24.4	--	--	<.5	<.5	<.09

Date	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2-[(2-Ethyl-6methylphenyl)amino]2 oxoESA ug/L (62850)	2Chloro-2,6'-'diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	OIET, water, fltrd, ug/L (50355)	2-Methylnaphthalene, water, fltrd, ug/L (62056)
OCT													
06...	<.009	.02	<.02	<.006	<.5	<.1	--	<.005	E.013	<.04	<.004	E.038	<.5
NOV													
04...	<.009	<.02	<.02	<.006	<.5	<.1	--	<.005	<.006	<.04	<.004	E.020	<.5
DEC													
23...	--	--	--	<.006	<.5	<.1	--	<.005	E.008	--	<.004	--	<.5
30...	<.009	<.02	<.02	<.006	<.5	<.1	--	<.005	E.007	E.01	<.004	E.013	<.5
JUN													
22...	<.009	<.02	<.02	<.006	<.5	--	<.02	<.005	E.008	<.01	<.004	E.023	<.5
JUL													
27...	E.031	<.05	<.02	<.006	--	--	<.02	<.005	<.006	<.01	<.004	E.020	--
AUG													
31...	<.009	.08	<.02	<.006	<.5	--	<.02	<.005	<.006	<.01	<.004	<.016	<.5

Date	3,4-Dichloroaniline water fltrd, ug/L (61625)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Hydroxycarbofuran, wat flt 0.7u GF ug/L (49308)	3-Ketocarbofuran, water, fltrd, ug/L (50295)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)
OCT													
06...	.060	<2	<.006	<2	<1	<5	<.006	<1	<1	<5	<1	<2	<.5
NOV													
04...	.016	M	<.006	<2	<1	<5	<.006	<1	<1	E1	<1	<2	<.5
DEC													
23...	.011	<2	--	--	<1	<5	<.006	<1	<1	E1	<1	<2	<.5
30...	.023	<2	<.006	<2	<1	<5	<.006	<1	<1	<5	<1	<2	<.5
JUN													
22...	.070	<2	<.006	<.014	<1	<5	<.006	<1	<1	<5	<1	<2	<.5
JUL													
27...	.059	--	<.006	M	--	--	<.006	--	--	--	--	--	--
AUG													
31...	<.004	<5	<.006	<.014	<1	<5	<.006	<1	<1	<5	<1	<2	<.5

0208755215 NEUSE RIVER ABOVE U.S. HIGHWAY 70 AT SMITHFIELD, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Acetochlor ESA, water, fltrd 0.7u GF ug/L (61029)	Acetochlor OA, water, fltrd 0.7u GF ug/L (61030)	Acetochlor SAA, water, fltrd, ug/L (62847)	Acetochlor, water, fltrd, ug/L (49260)	AHTN, water, fltrd, ug/L (62065)	Acifluorfen, water, fltrd 0.7u GF ug/L (49315)	Alachlor ESA SA, water, fltrd, ug/L (62849)	Alachlor ESA, water, fltrd 0.7u GF ug/L (50009)	Alachlor OA, water, fltrd 0.7u GF ug/L (61031)	Alachlor SAA, water, fltrd, ug/L (62848)	Alachlor, water, fltrd, ug/L (46342)	Aldicarb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldicarb sulfoxide, wat flt 0.7u GF ug/L (49314)
OCT													
06...	--	--	--	<.006	E.1	<.007	--	--	--	--	<.005	<.02	<.008
NOV													
04...	--	--	--	<.006	E.1	<.007	--	--	--	--	<.005	<.02	<.008
DEC													
23...	--	--	--	<.006	M	--	--	--	--	--	<.005	--	--
30...	--	--	--	<.006	E.1	<.007	--	--	--	--	<.005	<.02	<.008
JUN													
22...	<.02	<.02	<.02	<.006	E.1	<.007	<.02	<.02	<.02	<.02	<.005	<.02	<.008
JUL													
27...	<.02	<.02	<.02	<.006	--	<.007	<.02	<.02	<.02	<.02	<.005	<.02	<.008
AUG													
31...	<.02	<.02	<.02	<.006	E.1	<.007	<.02	<.02	<.02	<.02	<.005	<.02	<.008

Date	Aldicarb, water, fltrd 0.7u GF ug/L (49312)	Anthracene, water, fltrd, ug/L (34221)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl oxon, water, fltrd, ug/L (61635)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Bendiocarb, water, fltrd, ug/L (50299)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Benomyl water, fltrd, ug/L (50300)	Bensulfuron, water, fltrd, ug/L (61693)	Bentazon, water, fltrd 0.7u GF ug/L (38711)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)
OCT													
06...	<.04	<.5	.064	<.02	<.050	<.03	<.010	<.004	<.02	<.01	<.5	<2	<2
NOV													
04...	<.04	<.5	.036	<.03	<.050	<.03	<.010	<.004	<.02	<.01	<.5	<2	M
DEC													
23...	--	<.5	.032	<.02	<.050	--	<.010	--	--	--	<.5	<2	<2
30...	<.04	<.5	.022	<.02	<.050	<.03	<.010	<.004	<.02	<.01	<.5	<2	<2
JUN													
22...	<.04	<.5	.011	<.02	<.050	<.03	<.010	<.004	<.02	<.01	<.5	<2	<2
JUL													
27...	<.04	--	.011	<.07	<.050	<.03	<.010	E.035	<.02	E.01	--	--	--
AUG													
31...	<.04	<.5	E.007	<.07	<.050	<.03	<.010	<.021	<.02	E.01	<.5	<5	<5

Date	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Bromoxynil, water, fltrd 0.7u GF ug/L (49311)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (49310)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Carbofuran, water, fltrd 0.7u GF ug/L (49309)	Chlorambenmethyl ester, water, fltrd, ug/L (61188)	Chlorimuron, water, fltrd, ug/L (50306)	Chlorodiamino-s-triazine, wat flt ug/L (04039)	Chlorothalonil, water, fltrd 0.7u GF ug/L (49306)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)
OCT													
06...	<1	<.03	<.02	<.5	M	E.035	<.5	<.006	<.02	<.010	<.01	<.04	<.06
NOV													
04...	<1	<.03	<.02	<.5	<.03	<.041	<.5	<.006	<.02	<.010	<.01	<.04	<.06
DEC													
23...	<1	--	--	<.5	--	E.020	<.5	--	--	--	--	--	<.06
30...	<1	<.03	<.02	<.5	<.03	E.018	<.5	<.006	<.02	<.010	<.01	<.04	<.06
JUN													
22...	<1	<.03	<.02	M	E.01	E.020	<.5	<.006	<.02	<.010	<.04	<.04	<.06
JUL													
27...	--	<.03	<.02	--	E.01	E.018	--	<.006	<.02	<.010	E.05	<.04	<.06
AUG													
31...	<1	<.03	<.02	<.5	E.04	E.051	<.5	<.006	<.02	<.010	<.04	<.04	<.06

0208755215 NEUSE RIVER ABOVE U.S. HIGHWAY 70 AT SMITHFIELD, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Clopyralid, water, fltrd 0.7u GF ug/L (49305)	Cotinine, water, fltrd, ug/L (62005)	Cycloate, water, fltrd, ug/L (04031)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	Dacthal monoacid, water, fltrd 0.7u GF ug/L (49304)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)
OCT													
06...	<.005	<2	<.006	<.01	<1.00	<.01	<.008	<.009	<.01	<.003	E.006	<.01	.006
NOV													
04...	<.005	E1	<.006	<.01	<1.00	<.01	<.008	<.009	<.01	<.003	<.012	<.01	<.005
DEC													
23...	<.005	<2	<.006	--	<1.00	--	<.008	<.009	--	<.003	<.012	<.01	<.005
30...	<.005	M	<.006	<.01	<1.00	<.01	<.008	<.009	<.01	<.003	<.012	<.01	<.005
JUN													
22...	<.005	<2	<.006	<.01	<1.00	<.01	<.008	<.009	<.01	<.003	E.010	<.01	.011
JUL													
27...	<.005	--	<.006	<.01	--	<.01	<.008	<.009	<.01	<.003	E.009	<.01	<.005
AUG													
31...	<.005	<5	<.006	<.01	<1.00	<.01	<.008	<.009	<.01	<.003	<.012	<.01	<.005

Date	Dicamba water fltrd 0.7u GF ug/L (38442)	Dichlorprop, water, fltrd 0.7u GF ug/L (49302)	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	Dimethenamid ESA, water, fltrd, ug/L (61951)	Dimethenamid OA, water, fltrd, ug/L (62482)	Dimethenamid water, fltrd, ug/L (61588)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphenamid, water, fltrd, ug/L (04033)	Diuron, water, fltrd 0.7u GF ug/L (49300)
OCT													
06...	<.01	<.01	<.08	<.009	<5	<1	--	--	--	<.006	<.01	<.03	<.01
NOV													
04...	<.01	<.01	<.08	<.009	E2	M	--	--	--	<.006	<.01	<.03	E.01
DEC													
23...	--	--	<.08	<.009	<5	<1	--	--	--	<.006	--	--	--
30...	<.01	<.01	<.08	<.009	<5	<1	--	--	--	<.006	<.01	<.03	<.01
JUN													
22...	<.01	<.01	<.08	<.009	<5	<1	<.02	<.02	<.02	<.006	<.01	<.03	.02
JUL													
27...	<.01	<.01	<.08	<.009	--	--	<.02	<.02	<.02	<.006	<.01	<.03	E.03
AUG													
31...	<.01	<.01	<.08	<.009	<5	<1	<.02	<.02	<.02	<.006	<.01	<.03	<.01

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Desulfinyl fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Flufenacet ESA, water, fltrd, ug/L (61952)
OCT													
06...	<.5	<.03	<.004	<1	<.008	<.03	<.03	<.03	<.029	E.007	E.008	E.016	--
NOV													
04...	<.5	<.03	<.004	M	<.008	<.03	<.03	<.03	<.029	E.006	<.024	E.011	--
DEC													
23...	<.5	<.03	<.004	M	<.008	<.03	<.03	--	<.029	<.013	<.024	<.016	--
30...	<.5	<.03	<.004	<1	<.008	<.03	<.03	<.03	<.029	<.013	<.024	E.010	--
JUN													
22...	<.5	<.03	<.004	<1	<.008	<.03	<.03	<.03	<.029	E.008	E.008	E.037	<.02
JUL													
27...	--	<.0020	<.004	--	<.049	<.04	<.03	<.03	E.006	E.010	<.024	.024	<.02
AUG													
31...	<.5	<.0020	<.004	<1	<.049	<.04	<.03	<.03	<.029	<.013	<.024	E.013	<.02

0208755215 NEUSE RIVER ABOVE U.S. HIGHWAY 70 AT SMITHFIELD, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Flufenacet OA, water, fltrd, ug/L (62483)	Flufenacet, water, fltrd, ug/L (62481)	Flumetsulam, water, fltrd, ug/L (61694)	Fluometuron water fltrd 0.7u GF ug/L (38811)	Fluoranthene water, fltrd, ug/L (34377)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	HHCB, water, fltrd, ug/L (62075)	Hexazinone, water, fltrd, ug/L (04025)	Imazaquin, water, fltrd, ug/L (50356)	Imazethapyr, water, fltrd, ug/L (50407)	Imidacloprid water, fltrd, ug/L (61695)	Indole, water, fltrd, ug/L (62076)
OCT													
06...	--	--	<.01	<.03	<.5	<.002	<.003	M	.013	<.02	<.02	<.007	<.5
NOV													
04...	--	--	<.01	<.03	<.5	<.002	<.003	E.1	<.013	<.02	<.02	<.007	<.5
DEC													
23...	--	--	--	--	<.5	<.002	<.003	M	<.013	--	--	--	<.5
30...	--	--	<.01	<.03	<.5	<.002	<.003	E.1	<.013	<.02	<.02	<.007	<.5
JUN													
22...	<.02	<.02	<.01	<.03	<.5	<.002	<.003	E.1	<.013	<.02	<.02	<.007	<.5
JUL													
27...	<.02	<.02	<.01	<.03	--	<.003	<.003	--	<.013	<.02	<.02	E.024	--
AUG													
31...	<.02	<.02	<.01	<.03	<.5	<.003	<.003	<.5	<.013	<.02	<.02	<.021	<.5

Date	Iprodione, water, fltrd, ug/L (61593)	Isoborneol, water, fltrd, ug/L (62077)	Isofenphos, water, fltrd, ug/L (61594)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Linuron water fltrd 0.7u GF ug/L (38478)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)
OCT													
06...	<1	<.5	<.003	<.5	<.5	<.5	<.01	<.008	<.027	<.02	<.01	<.5	<.02
NOV													
04...	<1	<.5	<.003	M	<.5	<.5	<.01	<.008	<.027	<.02	<.01	<.5	<.02
DEC													
23...	<1	<.5	<.003	<.5	<.5	<.5	--	<.008	<.027	--	--	<.5	--
30...	<1	<.5	<.003	<.5	<.5	<.5	<.03	<.008	<.027	<.02	<.01	<.5	<.02
JUN													
22...	<1	<.5	<.003	<.5	<.5	<.5	<.01	<.008	<.027	<.02	<.01	<.5	<.02
JUL													
27...	<.387	--	<.003	--	--	--	<.01	<.030	<.027	<.02	<.01	--	E.01
AUG													
31...	<.387	<.5	<.003	<.5	<.5	<.5	<.01	<.030	<.027	<.02	<.01	<.5	E.01

Date	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	Methiocarb, water, fltrd 0.7u GF ug/L (38501)	Methomyl, water, fltrd 0.7u GF ug/L (49296)	Methyl acetate water unfltrd ug/L (77032)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor ESA, water, fltrd 0.7u GF ug/L (61043)	Metolachlor OA, water, fltrd 0.7u GF ug/L (61044)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Metsulfuron, water, fltrd, ug/L (61697)
OCT													
06...	<.005	<.006	<.008	<.004	<.4	<.03	<.015	<.5	--	--	.016	<.006	<.03
NOV													
04...	<.005	<.006	<.008	<.004	<.4	<.03	<.015	<.5	--	--	.015	<.006	<.03
DEC													
23...	<.005	<.006	--	--	<.4	<.03	<.015	<.5	--	--	E.008	<.006	--
30...	<.005	<.006	<.008	<.004	<.4	<.03	<.015	<.5	--	--	E.010	<.006	<.03
JUN													
22...	<.180	<.006	<.008	<.004	--	<.03	<.015	<.5	.02	<.02	.014	<.006	<.03
JUL													
27...	<.130	<.006	<.008	<.004	--	<.03	<.015	--	<.02	.02	.016	<.006	<.03
AUG													
31...	<.005	<.006	<.008	<.004	--	<.03	<.015	<.5	.03	.03	.021	<.006	E.08

0208755215 NEUSE RIVER ABOVE U.S. HIGHWAY 70 AT SMITHFIELD, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Myclobutanil water, fltrd, ug/L (61599)	N-(4-Chlorophenyl) -N-' methylurea, ug/L (61692)	Naphthalene, water, fltrd, ug/L (34443)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nicosulfuron, water, fltrd, ug/L (50364)	Norflurazon, water, fltrd 0.7u GF ug/L (49293)	Oryzalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	p-Cresol, water, fltrd, ug/L (62084)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)
OCT													
06...	<.008	<.02	<.5	<.01	<.01	<.02	<.02	<.01	<1	<.022	<2	<.10	<.011
NOV													
04...	<.008	<.02	<.5	<.01	<.01	<.02	<.02	<.01	M	<.022	<2	<.10	<.011
DEC													
23...	<.008	--	<.5	--	--	--	--	--	<1	<.022	<2	<.10	<.011
30...	<.008	<.02	<.5	<.01	<.01	<.02	<.02	<.01	M	<.022	<2	<.10	<.011
JUN													
22...	<.008	<.02	<.5	<.01	<.01	<.02	<.02	<.01	<1	<.022	<2	<.10	<.011
JUL													
27...	.015	<.02	--	<.01	<.01	<.02	<.02	<.01	--	<.022	--	<.10	<.011
AUG													
31...	<.015	<.02	<.5	<.01	<.01	<.02	<.02	<.01	<1	<.022	<2	<.10	<.011

Date	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Picloram, water, fltrd 0.7u GF ug/L (49291)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor ESA, water, fltrd 0.7u GF ug/L (62766)	Propachlor OA, water, fltrd 0.7u GF ug/L (62767)	Propham water fltrd 0.7u GF ug/L (49236)	Propiconazole, water, fltrd, ug/L (50471)	Propoxur, water, fltrd 0.7u GF ug/L (38538)	Pyrene, water, fltrd, ug/L (34470)	Siduron water, fltrd, ug/L (38548)
OCT													
06...	<.06	<.008	<.02	.02	<.005	<.004	--	--	<.010	<.02	E.003	<.5	<.02
NOV													
04...	--	<.008	<.02	.02	<.005	<.004	--	--	<.010	<.02	<.008	<.5	<.02
DEC													
23...	<.06	<.008	--	.02	<.005	<.004	--	--	--	--	--	<.5	--
30...	<.06	<.008	<.02	.01	<.005	<.004	--	--	<.010	<.02	<.008	<.5	<.02
JUN													
22...	<.06	<.008	<.02	.04	<.005	<.004	<.05	<.02	<.010	<.02	E.005	<.5	<.02
JUL													
27...	<.05	<.008	<.02	.03	<.005	<.004	<.05	<.02	<.010	<.02	E.003	--	<.02
AUG													
31...	<.05	<.008	<.02	.03	<.005	<.004	<.05	<.02	<.010	<.02	<.008	<.5	<.02

Date	Simazine, water, fltrd, ug/L (04035)	Sulfometruron, water, fltrd, ug/L (50337)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd, ug/L (04032)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)	tert-Amyl alcohol water unfltrd ug/L (77073)	tert-Butyl alcohol water unfltrd ug/L (77035)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclopyr, water, fltrd 0.7u GF ug/L (49235)
OCT													
06...	.020	<.009	.02	<.010	<.07	<.02	M	<.4	<1.00	<.5	<.5	<.5	<.02
NOV													
04...	.012	<.009	<.02	<.010	<.07	<.02	<.01	<.4	<1.00	<.5	<.5	E.1	<.02
DEC													
23...	.114	--	<.02	--	<.07	<.02	M	<.4	<1.00	E.1	<.5	<.5	--
30...	.151	<.009	<.02	<.010	<.07	<.02	M	<.4	<1.00	<.5	<.5	E.1	<.02
JUN													
22...	.084	<.009	M	<.010	<.07	<.02	<.01	--	--	<.5	<.5	E.1	<.02
JUL													
27...	.068	E.009	<.02	<.010	<.07	<.02	<.01	--	--	--	--	--	<.02
AUG													
31...	.010	<.009	<.02	<.010	<.07	<.02	<.01	--	--	<.5	<.5	<.5	.07

0208755215 NEUSE RIVER ABOVE U.S. HIGHWAY 70 AT SMITHFIELD, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloroi-Pr) phosphate, wat flt ug/L (62088)	1,1,1,2-Tetrachloroethane, water, unfltrd ug/L (77562)	1,1,1-Trichloroethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetrachloroethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)	1,1-Dichloroethane, water unfltrd ug/L (34496)	1,1-Dichloroethene, water, unfltrd ug/L (34501)
OCT													
06...	<1	<.5	<.009	<.5	<.5	<.5	<.03	<.03	<.16	<.04	<.06	<.04	<.02
NOV													
04...	<1	E.1	<.009	E.1	E.1	E.1	<.03	<.03	<.16	<.04	<.06	<.04	<.02
DEC													
23...	<1	<.5	<.009	<.5	E.1	<.5	<.03	<.03	<.16	<.04	<.06	<.04	<.02
30...	M	E.1	<.009	E.1	E.1	E.1	<.03	<.03	<.16	<.04	<.06	<.04	<.02
JUN													
22...	M	E.1	<.009	E.1	E.1	E.1	<.03	<.03	<.16	<.04	<.06	<.04	<.02
JUL													
27...	--	--	<.009	--	--	--	<.03	<.03	<.16	<.04	<.06	<.04	<.02
AUG													
31...	<1	<.5	<.009	<.5	<.5	<.5	<.03	<.03	<.16	<.04	<.06	<.04	<.02

Date	1,1-Dichloropropene water unfltrd ug/L (77168)	1,2,3,4 Tetramethylbenzene water unfltrd ug/L (49999)	1,2,3,5 Tetramethylbenzene water unfltrd ug/L (50000)	1,2,3-Trichlorobenzene water unfltrd ug/L (77613)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,3-Trimethylbenzene water unfltrd ug/L (77221)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloropropane water unfltrd ug/L (34541)
OCT													
06...	<.03	<.1	<.1	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
NOV													
04...	<.03	<.1	<.1	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
DEC													
23...	<.03	<.1	<.1	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
30...	<.03	<.1	<.1	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
JUN													
22...	<.03	<.1	<.1	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
JUL													
27...	<.03	<.1	<.1	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03
AUG													
31...	<.03	<.1	<.1	<.3	<.18	<.1	<.1	<.06	<.5	<.04	<.05	<.1	<.03

Date	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	2-Ethyltoluene water unfltrd ug/L (77220)	3-Chloropropene water unfltrd ug/L (78109)	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylonitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)
OCT													
06...	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08	<6	<1	E.03
NOV													
04...	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08	<6	<1	E.03
DEC													
23...	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08	<6	<1	E.01
30...	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08	<6	<1	<.02
JUN													
22...	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08	<6	<1	<.02
JUL													
27...	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08	<6	<1	<.02
AUG													
31...	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08	<6	<1	<.02

0208755215 NEUSE RIVER ABOVE U.S. HIGHWAY 70 AT SMITHFIELD, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Bromo-benzene water unfltrd ug/L (81555)	Bromo-chloro-methane water unfltrd ug/L (77297)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Bromo-ethene, water, unfltrd ug/L (50002)	Bromo-methane water unfltrd ug/L (34413)	Carbon di-sulfide water unfltrd ug/L (77041)	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)
OCT													
06...	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2	<.02	<.05	<.1	<.05
NOV													
04...	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2	<.02	<.05	<.1	<.05
DEC													
23...	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2	<.02	<.05	<.1	<.05
30...	<.03	<.12	E.04	<.1	<.3	<.04	<.03	<.1	<.2	<.02	<.05	<.1	<.05
JUN													
22...	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2	<.02	<.05	<.1	<.05
JUL													
27...	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2	<.02	<.05	<.1	<.05
AUG													
31...	<.03	<.12	<.03	<.1	<.3	<.04	<.03	<.1	<.2	<.02	<.05	<.1	<.05

Date	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Methyl acrylo-nitrile water unfltrd ug/L (81593)
OCT													
06...	<.18	<.1	<.1	<.10	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8
NOV													
04...	<.18	<.1	<.1	<.10	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8
DEC													
23...	<.18	<.1	<.1	<.10	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8
30...	<.18	<.1	<.1	<.10	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8
JUN													
22...	<.18	<.1	<.1	<.10	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8
JUL													
27...	<.18	<.1	<.1	<.10	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8
AUG													
31...	<.18	<.1	<.1	<.10	<.2	<4.0	<.03	<.1	<.1	<.35	<.4	<.04	<.8

Date	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)
OCT													
06...	<2.0	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2
NOV													
04...	<2.0	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2
DEC													
23...	<2.0	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04	<.05	E.1
30...	<2.0	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2
JUN													
22...	<2.0	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2
JUL													
27...	<2.0	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2
AUG													
31...	<2.0	<.3	<.08	<.06	<.5	<.7	<.1	<.04	<.04	<.06	<.04	<.05	<.2

0208755215 NEUSE RIVER ABOVE U.S. HIGHWAY 70 AT SMITHFIELD, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)
OCT													
06...	<.06	<.06	<.06	<2	E.04	<.03	<.09	<.7	<.10	<.04	<.16	E.02	<.1
NOV													
04...	<.06	<.06	<.06	<2	<.05	<.03	<.09	<.7	<.10	<.04	<.16	E.03	<.1
DEC													
23...	<.06	<.06	<.06	<2	E.02	<.03	<.09	<.7	<.10	<.04	<.16	E.03	<.1
30...	<.06	E.03	<.06	<2	<.05	<.03	<.09	<.7	<.10	<.04	<.16	.16	<.1
JUN													
22...	<.06	<.06	<.06	<2	E.02	<.03	<.09	<.7	<.10	<.04	<.16	E.02	<.1
JUL													
27...	<.06	<.06	<.06	<2	<.05	<.03	<.09	<.7	<.10	<.04	<.16	<.02	<.1
AUG													
31...	<.06	<.06	<.06	<2	E.02	<.03	<.09	<.7	<.10	<.04	<.16	E.02	<.1

Date	Di-chlor-vos, water fltrd, ug/L (38775)
OCT	
06...	<.01
NOV	
04...	<.01
DEC	
23...	<.01
30...	<.01
JUN	
22...	<.01
JUL	
27...	<.01
AUG	
31...	<.01

Remark codes used in this table:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Medium codes used in this table:
9 -- Surface water

02087570 NEUSE RIVER AT SMITHFIELD, NC

LOCATION.--Lat 35°30'45", long 78°20'58", Johnston County, Hydrologic Unit 03020201, on left bank 10 ft downstream from bridge on U.S. Highway 70, at Smithfield, 2.1 mi upstream from Swift Creek, and 178 mi upstream from mouth.

DRAINAGE AREA.--1,206 mi^2.

PERIOD OF RECORD.--October 1959 to September 1990, October 1998 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 99.26 ft above NGVD of 1929. Prior to Dec. 21, 1971, nonrecording gage on upstream side of bridge near center of span at same datum. U.S. Army Corps of Engineers satellite telemetry at station.

REMARKS.--Records good.

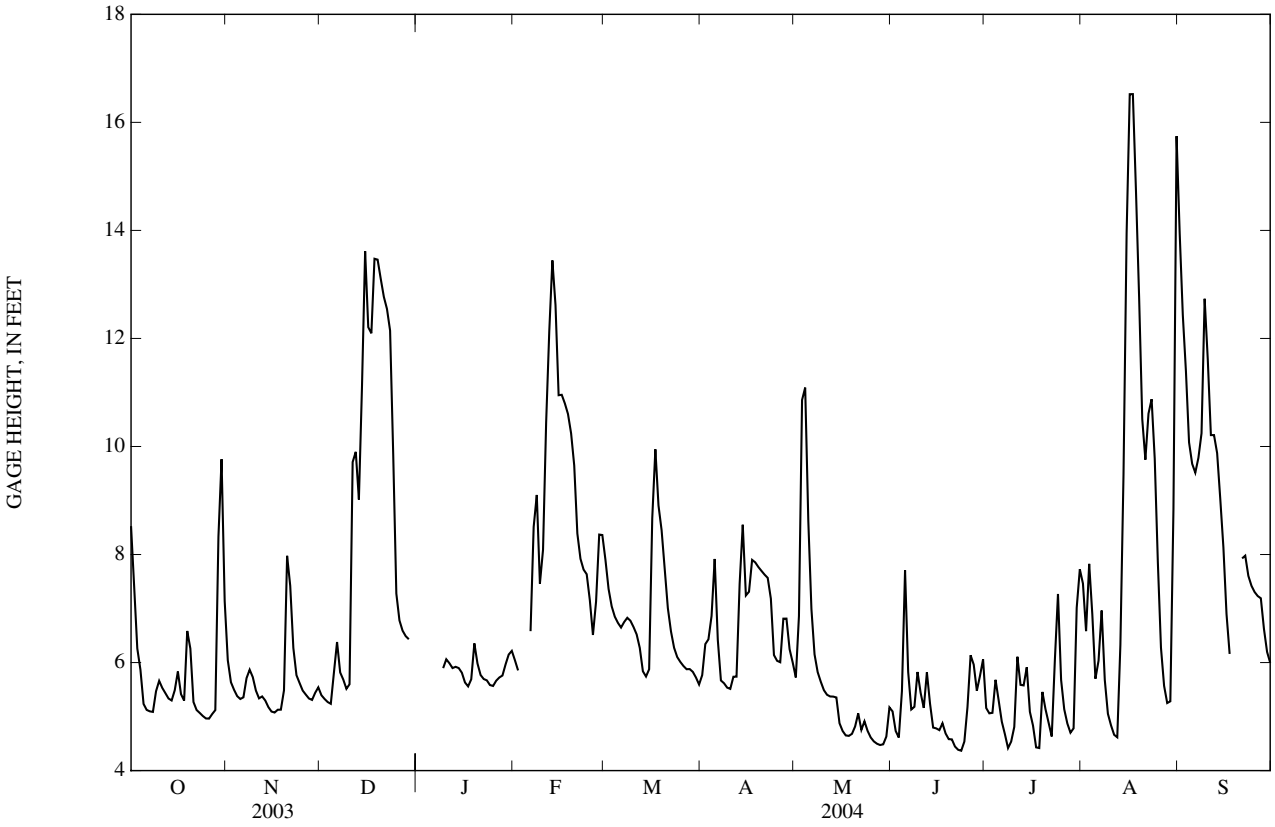
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 26.72 ft, Sept. 18, 1999; minimum gage height not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.38 ft, Aug. 17; minimum gage height, 4.30 ft, July 8.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.53	6.04	5.39	---	6.04	7.90	5.77	5.72	5.10	5.16	7.46	13.95
2	7.40	5.64	5.33	---	5.85	7.36	6.34	6.86	4.73	5.06	6.58	12.43
3	6.26	5.50	5.27	---	---	7.04	6.43	10.86	4.61	5.07	7.83	11.39
4	5.87	5.38	5.24	---	---	6.85	6.86	11.09	5.47	5.68	6.90	10.08
5	5.23	5.33	5.82	---	---	6.74	7.92	8.62	7.71	5.30	5.70	9.68
6	5.12	5.36	6.38	---	6.58	6.65	6.42	6.99	5.83	4.91	6.03	9.52
7	5.10	5.71	5.82	---	8.51	6.75	5.67	6.15	5.13	4.67	6.96	9.79
8	5.09	5.87	5.68	---	9.10	6.83	5.62	5.82	5.18	4.42	5.68	10.25
9	5.47	5.73	5.51	5.90	7.46	6.77	5.54	5.64	5.83	4.54	5.05	12.73
10	5.66	5.48	5.60	6.06	8.09	6.66	5.51	5.49	5.44	4.81	4.84	11.61
11	5.53	5.34	9.71	5.99	10.44	6.52	5.74	5.40	5.16	6.11	4.66	10.21
12	5.43	5.37	9.90	5.90	12.13	6.27	5.74	5.37	5.82	5.59	4.62	10.21
13	5.34	5.30	9.02	5.92	13.44	5.84	7.46	5.37	5.24	5.58	6.33	9.88
14	5.30	5.18	11.13	5.90	12.62	5.74	8.55	5.35	4.80	5.91	9.48	9.03
15	5.49	5.09	13.62	5.81	10.95	5.88	7.24	4.88	4.78	5.09	13.95	8.13
16	5.83	5.08	12.21	5.63	10.96	8.67	7.31	4.73	4.75	4.83	16.52	6.90
17	5.42	5.13	12.10	5.56	10.80	9.95	7.90	4.65	4.88	4.43	16.52	6.16
18	5.30	5.13	13.48	5.69	10.60	8.91	7.85	4.64	4.69	4.42	14.71	---
19	6.59	5.49	13.46	6.35	10.24	8.45	7.77	4.68	4.58	5.46	12.75	---
20	6.26	7.98	13.10	5.98	9.65	7.73	7.70	4.82	4.58	5.14	10.51	---
21	5.27	7.42	12.77	5.77	8.39	7.01	7.63	5.06	4.45	4.88	9.76	7.93
22	5.12	6.27	12.55	5.70	7.92	6.58	7.57	4.75	4.39	4.63	10.61	7.98
23	5.07	5.77	12.15	5.67	7.72	6.27	7.18	4.91	4.37	6.05	10.88	7.60
24	5.01	5.62	9.85	5.58	7.63	6.10	6.14	4.73	4.54	7.27	9.77	7.42
25	4.96	5.48	7.28	5.57	7.16	6.01	6.03	4.61	5.18	5.68	7.85	7.31
26	4.96	5.41	6.78	5.66	6.51	5.94	6.01	4.54	6.14	5.14	6.27	7.23
27	5.05	5.33	6.59	5.72	7.13	5.88	6.81	4.50	5.96	4.87	5.57	7.19
28	5.12	5.31	6.49	5.76	8.37	5.88	6.81	4.47	5.48	4.70	5.25	6.62
29	8.33	5.44	6.43	5.97	8.36	5.83	6.25	4.49	5.75	4.78	5.28	6.20
30	9.76	5.54	---	6.15	---	5.72	6.00	4.63	6.06	7.01	8.84	6.00
31	7.14	---	---	6.22	---	5.59	---	5.17	---	7.73	15.75	---
TOTAL	182.01	168.72	---	---	---	210.32	201.77	174.99	156.63	164.92	268.91	---
MEAN	5.87	5.62	---	---	---	6.78	6.73	5.64	5.22	5.32	8.67	---
MAX	9.76	7.98	---	---	---	9.95	8.55	11.09	7.71	7.73	16.52	---
MIN	4.96	5.08	---	---	---	5.59	5.51	4.47	4.37	4.42	4.62	---

02087570 NEUSE RIVER AT SMITHFIELD, NC—Continued



353112078205802 TOWN OF SMITHFIELD FINISHED WATER SUPPLY

LOCATION.--Lat 35°31'12", long 78°20'58", Johnston County, Hydrologic Unit 03020201, town of Smithfield Water Treatment Plant.

DRAINAGE AREA.--Not applicable.

PERIOD OF RECORD.--June to September 2004.

REMARKS.--Station operated as part of NAWQA program from June to September 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Medium code	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)
JUN													
25...	1030	$	760	6.3	82	7.6	296	28.5	E.2	<.5	<.09	<.009	<.02
JUL													
30...	0930	$	761	7.0	90	8.3	282	28.5	<.5	<.5	<.09	E.026	<.03
SEP													
03...	1200	$	762	6.0	74	8.3	200	25.9	<.5	<.5	<.09	<.009	.03

Date	2,4-DB water, fltrd 0.7u GF ug/L (38746)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-[(2-Ethyl-6methylphenyl)amino]2oxoESA ug/L (62850)	2Chloro-2,6'-'diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	OIET, water, fltrd, ug/L (50355)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3,4-Dichloroaniline water fltrd, ug/L (61625)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Hydroxycarbofuran, wat flt 0.7u GF ug/L (49308)
JUN													
25...	<.02	<.006	<.5	<.02	<.005	<.006	E.01	<.004	E.010	<.5	<.004	<2	<.006
JUL													
30...	<.02	<.006	<.5	<.02	<.005	E.008	<.01	<.004	E.013	<.5	<.004	<2	<.006
SEP													
03...	<.02	<.006	<.5	<.02	<.005	<.006	<.01	<.004	E.012	<.5	<.004	<2	<.006

Date	3-Ketocarbofuran, water, fltrd, ug/L (50295)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetochlor ESA, water, fltrd 0.7u GF ug/L (61029)	Acetochlor OA, water, fltrd 0.7u GF ug/L (61030)	Acetochlor SAA, water, fltrd, ug/L (62847)
JUN													
25...	<.014	<1	<5	<.006	<1	<1	E2	<1	<2	<.5	<.02	<.02	<.02
JUL													
30...	<.014	<1	<5	<.006	<1	<1	<5	<1	<2	<.5	<.02	<.02	<.02
SEP													
03...	<.014	<1	<5	<.006	<1	<1	E1	<1	<2	<.5	<.02	<.02	<.02

Date	Acetochlor, water, fltrd, ug/L (49260)	AHTN, water, fltrd, ug/L (62065)	Acifluorfen, water, fltrd 0.7u GF ug/L (49315)	Alachlor ESA SA, water, fltrd, ug/L (62849)	Alachlor ESA, water, fltrd 0.7u GF ug/L (50009)	Alachlor OA, water, fltrd 0.7u GF ug/L (61031)	Alachlor SAA, water, fltrd, ug/L (62848)	Alachlor, water, fltrd, ug/L (46342)	Aldicarb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldicarb sulfoxide, wat flt 0.7u GF ug/L (49314)	Aldicarb, water, fltrd 0.7u GF ug/L (49312)	Anthracene, water, fltrd, ug/L (34221)	Atrazine, water, fltrd, ug/L (39632)
JUN													
25...	<.006	E.1	<.007	<.02	<.02	<.02	<.02	<.005	<.02	<.008	<.04	<.5	E.004
JUL													
30...	<.006	M	<.007	<.02	<.02	<.02	<.02	<.005	<.02	<.008	<.04	<.5	.011
SEP													
03...	<.006	<.5	<.007	<.02	<.02	<.02	<.02	<.005	<.02	<.008	<.04	<.5	E.006

353112078205802 TOWN OF SMITHFIELD FINISHED WATER SUPPLY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Azinphos-methyl oxon, water, fltrd, ug/L (61635)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Bendiocarb, water, fltrd, ug/L (50299)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Benomyl water, fltrd, ug/L (50300)	Bensulfuron, water, fltrd, ug/L (61693)	Bentazon, water, fltrd 0.7u GF ug/L (38711)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Bromoxynil, water, fltrd 0.7u GF ug/L (49311)
JUN													
25...	<.02	<.050	<.03	<.010	<.004	<.02	<.01	<.5	<2	<2	<1	<.03	<.02
JUL													
30...	<.07	<.050	<.03	<.010	<.004	<.02	<.01	<.5	<20	<20	<1	<.03	<.02
SEP													
03...	<.07	<.050	<.03	<.010	<.004	<.02	<.01	<.5	<2	<2	<1	<.03	<.02

Date	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (49310)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Carbofuran, water, fltrd 0.7u GF ug/L (49309)	Chloramben methyl ester, water, fltrd, ug/L (61188)	Chlorimuron, water, fltrd, ug/L (50306)	Chlorodiamino-s-triazine, wat flt ug/L (04039)	Chlorothalonil, water, fltrd 0.7u GF ug/L (49306)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)
JUN													
25...	<.5	<.03	<.041	<.5	<.006	<.02	<.010	<.04	<.04	<.06	<.005	<2	<.006
JUL													
30...	<.5	<.03	<.041	<.5	<.006	<.02	<.010	E.05	<.04	<.06	<.005	<20	<.006
SEP													
03...	<.5	E.01	E.012	<.5	<.006	<.02	<.010	<.04	<.04	<.06	<.005	<2	<.006

Date	Clopyralid, water, fltrd 0.7u GF ug/L (49305)	Cotinine, water, fltrd, ug/L (62005)	Cycloate, water, fltrd, ug/L (04031)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	Dacthal mono-acid, water, fltrd 0.7u GF ug/L (49304)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)	Dicamba water fltrd 0.7u GF ug/L (38442)	Dichlorprop, water, fltrd 0.7u GF ug/L (49302)	Dicrotophos, water fltrd, ug/L (38454)
JUN													
25...	<.01	<1.00	<.01	<.008	<.009	<.01	<.003	<.012	<.01	<.005	<.01	<.01	<.08
JUL													
30...	<.01	<1.00	<.01	<.008	<.009	<.01	<.003	E.008	<.01	<.005	<.01	<.01	<.08
SEP													
03...	<.01	<1.00	<.01	<.008	<.009	<.01	<.003	<.012	<.01	<.005	<.01	<.01	<.08

Date	Dieldrin, water, fltrd, ug/L (39381)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	Dimethenamid ESA, water, fltrd, ug/L (61951)	Dimethenamid OA, water, fltrd, ug/L (62482)	Dimethenamid water, fltrd, ug/L (61588)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphenamid, water, fltrd, ug/L (04033)	Diuron, water, fltrd 0.7u GF ug/L (49300)	D-Limonene, water, fltrd, ug/L (62073)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)
JUN													
25...	<.009	<5	<1	<.02	<.02	<.02	<.006	<.01	<.03	<.01	<.5	<.03	<.004
JUL													
30...	<.009	<5	<1	<.02	<.02	<.02	<.006	<.01	<.03	<.01	<.5	<.0020	<.004
SEP													
03...	<.009	<5	<1	<.02	<.02	<.02	<.006	<.01	<.03	.02	<.5	<.0020	<.004

353112078205802 TOWN OF SMITHFIELD FINISHED WATER SUPPLY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Flufen-acet ESA, water, fltrd, ug/L (61952)	Flufe-nacet OA, water, fltrd, ug/L (62483)	Flufe-nacet, water, fltrd, ug/L (62481)	Flumet-sulam, water, fltrd, ug/L (61694)
JUN 25...	<1	<.008	<.03	<.03	<.03	<.029	<.013	<.024	<.016	<.02	<.02	<.02	<.01
JUL 30...	<1	<.049	<.04	<.03	<.03	<.029	<.013	<.024	<.016	<.02	<.02	<.02	<.01
SEP 03...	<1	<.049	<.04	<.03	<.03	<.029	<.013	<.024	<.016	<.02	<.02	<.02	<.01

Date	Fluo-meturon water fltrd 0.7u GF ug/L (38811)	Fluor-anthene water, fltrd, ug/L (34377)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	HHCB, water, fltrd, ug/L (62075)	Hexa-zinone, water, fltrd, ug/L (04025)	Imaza-quin, water, fltrd, ug/L (50356)	Imaze-thapyr, water, fltrd, ug/L (50407)	Imida-cloprid water, fltrd, ug/L (61695)	Indole, water, fltrd, ug/L (62076)	Ipro-dione, water, fltrd, ug/L (61593)	Isobor-neol, water, fltrd, ug/L (62077)	Isofen-phos, water, fltrd, ug/L (61594)
JUN 25...	<.03	<.5	<.002	<.003	E.1	<.013	<.02	<.02	<.007	<.5	<1	<.5	<.003
JUL 30...	<.03	<.5	<.003	<.003	<.5	<.013	<.02	<.02	<.007	<.5	<.387	<.5	<.003
SEP 03...	<.03	<.5	<.003	<.003	<.5	<.013	<.02	<.02	<.007	<.5	<.387	<.5	<.003

Date	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Linuron water fltrd 0.7u GF ug/L (38478)	Mala-oxon, water, fltrd, ug/L (61652)	Mala-thion, water, fltrd, ug/L (39532)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Meta-laxyl, water, fltrd, ug/L (61596)	Methi-althion water, fltrd, ug/L (61598)	Methio-carb, water, fltrd 0.7u GF ug/L (38501)
JUN 25...	<.5	<.5	<.5	<.01	<.008	<.027	<.02	<.01	<.5	<.02	<.005	<.006	<.008
JUL 30...	<.5	<.5	<.5	<.01	<.030	<.027	<.02	<.01	<.5	E.01	<.005	<.006	<.008
SEP 03...	<.5	<.5	<.5	<.01	<.030	<.027	<.02	<.01	<.5	E.01	<.005	<.006	<.008

Date	Meth-omyl, water, fltrd 0.7u GF ug/L (49296)	Methyl para-oxon, water, fltrd, ug/L (61664)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Methyl salicy-late, water, fltrd, ug/L (62081)	Metola-chlor ESA, water, fltrd 0.7u GF ug/L (61043)	Metola-chlor OA, water, fltrd 0.7u GF ug/L (61044)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Metsul-furon, water, fltrd, ug/L (61697)	Myclo-butanil water, fltrd, ug/L (61599)	N-(4-Chloro-phenyl) -N-' methyl-urea, ug/L (61692)	Naphth-alene, water, fltrd, ug/L (34443)	Neburon water, fltrd 0.7u GF ug/L (49294)
JUN 25...	<.004	<.03	<.015	<.5	.02	<.02	E.006	<.006	<.03	<.008	<.02	<.5	<.01
JUL 30...	<.004	<.03	<.015	<.5	<.02	<.02	.013	<.006	<.03	.014	<.02	<.5	<.01
SEP 03...	<.004	<.03	<.015	<.5	<.02	<.02	<.013	<.006	<.03	<.008	<.02	<.5	<.01

Date	Nico-sul-furon, water, fltrd, ug/L (50364)	Norflur azon, water, fltrd 0.7u GF ug/L (49293)	Ory-zalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	p-Cresol, water, fltrd, ug/L (62084)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Pic-loram, water, fltrd 0.7u GF ug/L (49291)	Prome-ton, water, fltrd, ug/L (04037)
JUN 25...	<.01	<.02	<.02	<.01	<1	<.022	<2	<.10	<.011	<.06	<.008	<.02	.02
JUL 30...	<.01	<.02	<.02	<.01	<1	<.022	<2	<.10	<.011	<.05	<.008	<.02	.03
SEP 03...	<.01	<.02	<.02	<.01	<1	<.022	<2	<.10	<.011	<.05	<.008	<.02	E.01

353112078205802 TOWN OF SMITHFIELD FINISHED WATER SUPPLY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Prometryn, water, fltrd, ug/L (04036)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor ESA, water, fltrd 0.7u GF ug/L (62766)	Propachlor OA, water, fltrd 0.7u GF ug/L (62767)	Propham water fltrd 0.7u GF ug/L (49236)	Propiconazole, water, fltrd, ug/L (50471)	Propoxur, water, fltrd 0.7u GF ug/L (38538)	Pyrene, water, fltrd, ug/L (34470)	Siduron water, fltrd, ug/L (38548)	Simazine, water, fltrd, ug/L (04035)	Sulfometruron, water, fltrd, ug/L (50337)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd, ug/L (04032)
JUN 25...	<.005	<.004	<.05	<.02	<.010	<.02	<.008	<.5	<.02	.039	<.009	<.02	<.010
JUL 30...	<.005	<.004	<.05	<.02	<.010	<.02	<.008	<.5	<.02	.042	<.009	<.02	<.010
SEP 03...	<.005	<.004	<.05	<.02	<.010	<.02	<.008	<.5	<.02	.019	<.009	<.02	<.010

Date	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclopyr, water, fltrd 0.7u GF ug/L (49235)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloroi-Pr) phosphate, wat flt ug/L (62088)
JUN 25...	<.07	<.02	<.01	M	E.3	<.5	<.02	<1	<.5	<.009	<.5	E.1	E.1
JUL 30...	<.07	<.02	<.01	M	E.3	<.5	<.03	<1	<.5	<.009	<.5	E.1	E.1
SEP 03...	<.07	<.02	<.01	<.5	<.5	<.5	<.02	<1	<.5	<.009	<.5	<.5	<.5

Date	1,1,1,2-Tetrachloroethane, water, unfltrd ug/L (77562)	1,1,1-Trichloroethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetrachloroethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)	1,1-Dichloroethane, water unfltrd ug/L (34496)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	1,1-Dichloropropene water unfltrd ug/L (77168)	1,2,3,4 Tetramethylbenzene water unfltrd ug/L (49999)	1,2,3,5 Tetramethylbenzene water unfltrd ug/L (50000)	1,2,3-Trichlorobenzene water unfltrd ug/L (77613)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,3-Trimethylbenzene water unfltrd ug/L (77221)
JUN 25...	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3	<.18	<.1
JUL 30...	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3	<.18	<.1
SEP 03...	<.03	<.03	<.16	<.04	<.06	<.04	<.02	<.03	<.1	<.1	<.3	<.18	<.1

Date	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)
JUN 25...	<.1	<.06	<.5	<.04	<.05	<.1	<.03	<.04	<.03	<.1	<.03	<.05	<.04
JUL 30...	<.1	<.06	<.5	<.04	<.05	<.1	<.03	<.04	<.03	<.1	<.03	<.05	<.04
SEP 03...	<.1	<.06	<.5	<.04	<.05	<.1	<.03	<.04	<.03	<.1	<.03	<.05	<.04

353112078205802 TOWN OF SMITHFIELD FINISHED WATER SUPPLY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	2-Ethyltoluene water unfltrd ug/L (77220)	3-Chloropropene water unfltrd ug/L (78109)	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylonitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)	Bromoethene, water, unfltrd ug/L (50002)	Bromomethane water unfltrd ug/L (34413)	Carbon disulfide water unfltrd ug/L (77041)
JUN													
25...	<.06	<.50	<.05	<.08	<6	<1	<.02	<.03	<.12	20.6	<.1	<.3	<.04
JUL													
30...	<.06	<.50	<.05	<.08	<6	<1	<.02	<.03	<.12	18.9	<.1	<.3	<.04
SEP													
03...	<.06	<.50	<.05	<.08	<6	<1	<.02	<.03	<.12	15.5	<.1	<.3	<.04

Date	Chlorobenzene water unfltrd ug/L (34301)	Chloroethane, water, unfltrd ug/L (34311)	Chloromethane water unfltrd ug/L (34418)	cis-1,2-Dichloroethene, water, unfltrd ug/L (77093)	cis-1,3-Dichloropropene water unfltrd ug/L (34704)	Dibromochloromethane water unfltrd ug/L (32105)	Dibromomethane water unfltrd ug/L (30217)	Dichlorodifluoromethane wat unf ug/L (34668)	Dichloromethane water unfltrd ug/L (34423)	Diethyl ether, water, unfltrd ug/L (81576)	Diisopropyl ether, water, unfltrd ug/L (81577)	Ethyl methacrylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)
JUN													
25...	<.03	<.1	<.2	<.02	<.05	7.3	<.05	<.18	<.1	<.1	<.10	<.2	<4.0
JUL													
30...	<.03	<.1	<.2	<.02	<.05	6.6	<.05	<.18	<.1	<.1	<.10	<.2	<4.0
SEP													
03...	<.03	<.1	<.2	<.02	<.05	3.1	<.05	<.18	<.1	<.1	<.10	<.2	<4.0

Date	Ethylbenzene water unfltrd ug/L (34371)	Hexachlorobutadiene, water, unfltrd ug/L (39702)	Hexachloroethane, water, unfltrd ug/L (34396)	Iodomethane water unfltrd ug/L (77424)	Isobutyl methyl ketone, water, unfltrd ug/L (78133)	Isopropylbenzene water unfltrd ug/L (77223)	Methyl acrylonitrile water unfltrd ug/L (81593)	Methyl acrylate, water, unfltrd ug/L (49991)	Methyl methacrylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphthalene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)
JUN													
25...	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	E.05	<.5	<.7
JUL													
30...	E.02	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	E.09	<.5	<.7
SEP													
03...	<.03	<.1	<.1	<.35	<.4	<.04	<.8	<2.0	<.3	<.08	E.04	<.5	<.7

Date	n-Butylbenzene water unfltrd ug/L (77342)	n-propylbenzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butylbenzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butylbenzene water unfltrd ug/L (77353)	Tetrachloroethene, water, unfltrd ug/L (34475)	Tetrachloromethane water unfltrd ug/L (32102)	Tetrahydrofuran, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Dichloroethene, water, unfltrd ug/L (34546)
JUN													
25...	<.1	<.04	<.04	<.06	<.04	<.05	<.2	<.06	<.06	.30	<2	<.05	<.03
JUL													
30...	<.1	<.04	E.05	<.06	<.04	<.05	<.2	<.06	E.03	.15	<2	<.05	<.03
SEP													
03...	<.1	<.04	E.03	<.06	<.04	<.05	<.2	<.06	<.06	<.06	<2	<.05	<.03

353112078205802 TOWN OF SMITHFIELD FINISHED WATER SUPPLY—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	trans-1,3-Dichloropropene water unfltrd ug/L (34699)	trans-1,4-Dichloro-2-butene, wat unf ug/L (73547)	Tribromomethane water unfltrd ug/L (32104)	Trichloroethene, water, unfltrd ug/L (39180)	Trichlorofluoromethane water unfltrd ug/L (34488)	Trichloromethane water unfltrd ug/L (32106)	Vinyl chloride, water, unfltrd ug/L (39175)	Dichlorvos, water fltrd, ug/L (38775)
JUN								
25...	<.09	<.7	.41	<.04	<.16	29.6	<.1	<.01
JUL								
30...	<.09	<.7	.42	<.04	<.16	28.5	<.1	<.01
SEP								
03...	<.09	<.7	<.10	<.04	<.16	26.5	<.1	<.01

Remark codes used in this table:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Medium codes used in this table:
& -- Treated water supply.

02087580 SWIFT CREEK NEAR APEX, NC

LOCATION.--Lat 35°43'08", long 78°45'08", Wake County, Hydrologic Unit 03020201, on right bank at downstream side of bridge on Secondary Road 1152, 2.8 mi downstream from Williams Creek, and 6 mi east of Apex.

DRAINAGE AREA.--21.0 mi^2

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional discharge measurements, water years 1953-69. March 2002 to current year.

REVISED RECORDS.--WDR NC-02-1A.

GAGE.--Water-stage recorder. Datum of gage is 306.22 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. No flow occurred several days in Aug. 2002.

REVISIONS.--Revised figures of discharge for the water year 2002, superseding those published in the report for 2002 are given below.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	6.6	4.5	5.9	12	23	33	35	3.4	6.1	23	24
2	1.5	4.5	4.5	5.5	10	19	19	92	2.4	3.4	60	15
3	1.4	3.4	2.7	5.5	107	16	14	155	1.8	2.5	48	11
4	1.2	3.5	4.7	6.8	37	15	13	41	16	2.7	11	12
5	1.2	3.1	34	12	19	14	9.5	24	13	1.5	14	11
6	1.2	6.8	14	22	25	17	8.4	21	6.6	1.2	179	98
7	1.2	17	8.4	10	115	17	7.1	19	14	1.3	15	95
8	3.8	17	5.4	6.8	26	23	7.6	18	14	1.2	5.6	203
9	10	14	4.3	11	16	15	8.8	16	12	0.75	2.0	84
10	11	7.8	78	15	15	25	6.7	15	9.5	0.54	1.1	25
11	13	4.2	138	8.4	13	13	7.4	12	5.3	0.77	0.79	16
12	6.5	4.0	22	7.9	91	12	e12	24	4.1	8.9	54	13
13	4.2	6.7	13	9.0	48	11	e47	22	3.2	20	148	11
14	5.8	4.1	177	7.9	28	9.3	37	11	4.4	4.9	816	16
15	25	2.0	44	8.9	39	79	20	8.4	3.5	12	260	48
16	7.6	1.8	20	6.9	67	174	13	5.7	4.5	2.6	114	19
17	3.8	1.9	43	5.1	38	88	11	4.8	2.9	1.3	26	341
18	12	2.1	28	28	30	51	10	3.4	2.0	16	14	328
19	5.0	101	16	18	24	58	10	11	1.4	6.4	15	52
20	3.0	51	13	11	20	26	9.0	30	1.1	2.1	9.1	21
21	2.2	13	9.3	7.4	20	22	9.8	15	0.96	1.2	14	14
22	2.6	7.9	9.0	7.1	16	16	8.6	7.1	0.89	6.5	140	8.9
23	2.1	6.5	9.1	7.3	14	12	7.2	5.9	0.76	74	21	6.3
24	1.3	5.4	14	6.1	14	12	6.9	8.6	1.7	13	11	5.3
25	1.1	7.0	12	7.4	14	12	5.5	4.3	11	4.3	6.9	4.2
26	1.1	4.0	8.5	13	14	12	16	2.9	26	2.2	4.7	3.2
27	1.5	3.5	7.3	10	53	12	34	2.5	13	2.0	3.2	7.3
28	15	6.5	7.0	16	50	12	17	2.1	44	6.5	2.3	69
29	151	15	7.0	21	36	11	16	1.8	30	9.1	2.6	29
30	24	6.6	8.5	25	---	12	16	14	11	25	380	12
31	10	---	7.2	21	---	13	---	7.0	---	11	79	---
TOTAL	331.8	337.9	773.4	352.9	1,011	851.3	440.5	639.5	264.41	250.96	2,480.29	1,602.2
MEAN	10.7	11.3	24.9	11.4	34.9	27.5	14.7	20.6	8.81	8.10	80.0	53.4
MAX	151	101	177	28	115	174	47	155	44	74	816	341
MIN	1.1	1.8	2.7	5.1	10	9.3	5.5	1.8	0.76	0.54	0.79	3.2
CFSM	0.51	0.54	1.19	0.54	1.66	1.31	0.70	0.98	0.42	0.39	3.81	2.54
IN.	0.59	0.60	1.37	0.63	1.79	1.51	0.78	1.13	0.47	0.44	4.39	2.84

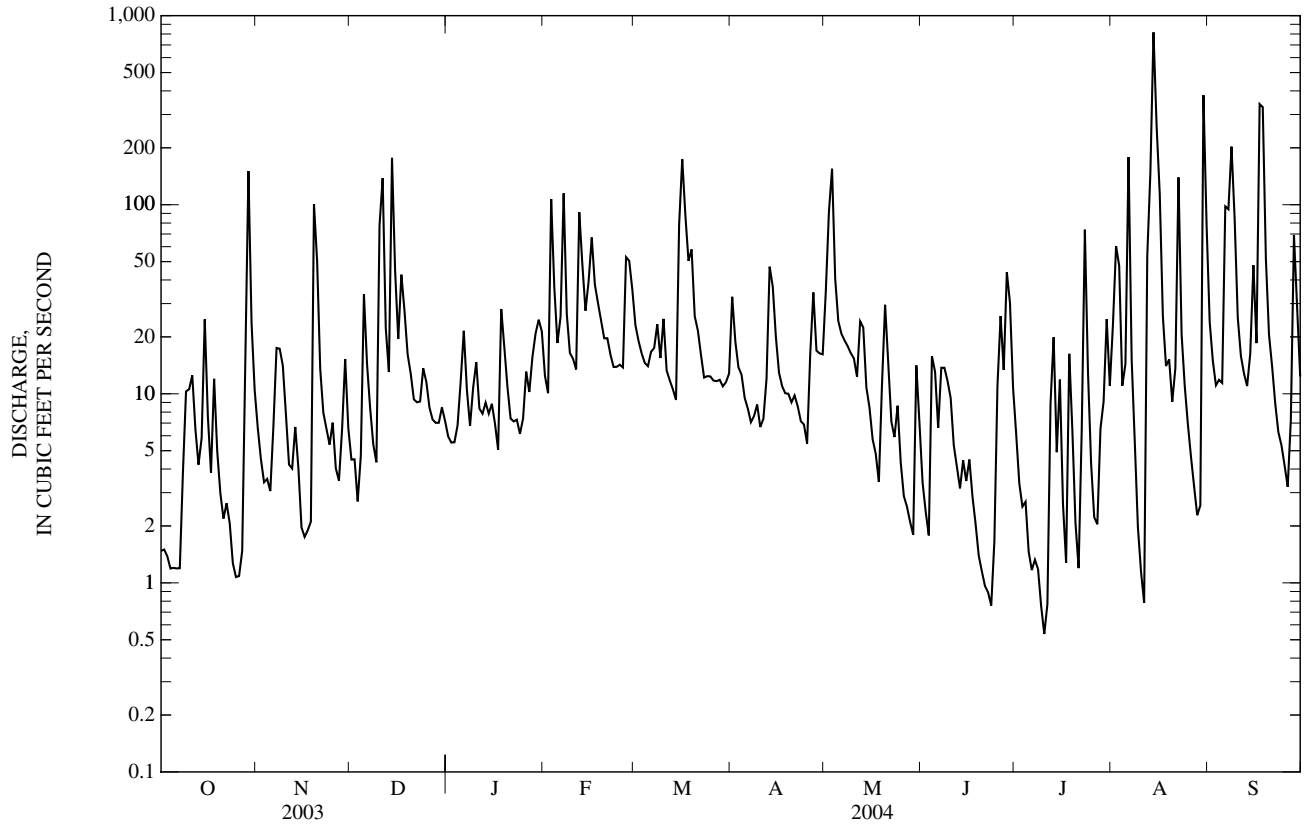
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	33.7	23.7	35.1	13.0	50.9	39.5	35.2	13.9	15.6	12.8	55.7	28.9
MAX	56.8	36.1	45.2	14.6	67.6	68.8	64.0	20.6	36.2	24.4	80.0	53.4
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)	(2003)	(2003)	(2004)	(2004)
MIN	10.7	11.3	24.9	11.4	34.9	22.4	14.7	1.73	1.70	5.97	21.7	10.4
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2002)	(2004)	(2002)	(2002)	(2002)	(2002)	(2002)

02087580 SWIFT CREEK NEAR APEX, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	12,997.67		9,336.16			
ANNUAL MEAN	35.6		25.5		34.4	
HIGHEST ANNUAL MEAN					43.3	2003
LOWEST ANNUAL MEAN					25.5	2004
HIGHEST DAILY MEAN	914	Aug 8	816	Aug 14	914	Aug 8, 2003
LOWEST DAILY MEAN	0.51	Aug 30	0.54	Jul 10	0.00	Aug 3, 2002
ANNUAL SEVEN-DAY MINIMUM	1.0	Jul 22	1.0	Jul 5	0.00	Aug 3, 2002
MAXIMUM PEAK FLOW			1,590	Sep 17	2,720	Oct 11, 2002
MAXIMUM PEAK STAGE			10.28	Sep 17	11.71	Oct 11, 2002
INSTANTANEOUS LOW FLOW			0.41	Jul 10	0.00*	Aug 3, 2002
ANNUAL RUNOFF (CFSM)	1.70		1.21		1.64	
ANNUAL RUNOFF (INCHES)	23.02		16.54		22.24	
10 PERCENT EXCEEDS	82		51		79	
50 PERCENT EXCEEDS	11		11		12	
90 PERCENT EXCEEDS	1.9		2.1		2.1	

* See REMARKS.
e Estimated.



02087580 SWIFT CREEK NEAR APEX, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2002 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 2002 to August 2004.
WATER TEMPERATURE: March 2002 to August 2004.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from March 2002 to August 2004.

REMARKS.--Station operated as part of NAWQA program from March 2002 to current year. Station was operated from October 1989 to June 1995 as part of a six county regional surface-water quality assessment.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	510, January 28, 2004	26, August 8, 2003
WATER TEMPERATURE, °C	31.9, August 27, 2003	-0.2, January 25, 26, 2004

EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	510, January 28	51, July 13
WATER TEMPERATURE, °C	29.8, July 8	-0.2, January 25, 26

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Medium code	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)
OCT													
17...	1000	9	3.8	751	8.1	80	7.1	77	14.1	27	32	5.04	2.9
DEC													
30...	0900	9	8.1	754	10.1	85	6.9	78	7.6	23	28	7.00	5.4
FEB													
20...	0830	9	13	752	11.9	96	6.8	145	5.6	22	27	25.0	7.1
MAR													
18...	0945	9	32	757	11.8	108	6.9	141	11.2	19	23	23.3	7.4
APR													
15...	1400	9	20	755	9.7	99	7.0	135	15.9	23	29	19.6	5.5
MAY													
12...	1400	9	8.6	760	6.3	75	6.1	131	23.8	30	37	15.8	4.3
JUN													
22...	1000	9	.93	753	4.7	54	6.5	114	22.0	40	49	8.60	2.4
JUL													
20...	1100	9	2.1	754	5.6	68	6.8	102	24.9	24	29	11.4	4.0
AUG													
09...	1100	D	1.9	752	5.6	65	6.4	101	21.8	--	--	--	--
19...	1400	9	15	755	6.6	82	6.8	82	25.8	17	20	6.43	5.2
SEP													
23...	1400	9	5.4	758	6.8	76	6.7	92	20.5	24	30	6.68	4.5

02087580 SWIFT CREEK NEAR APEX, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Ortho-phosphate, water, fltrd, mg/L (00660)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)
OCT													
17...	--	<.04	--	--	.09	--	E.004	.07	--	E.005	.040	.57	.6
DEC													
30...	--	<.04	--	--	.18	--	<.008	.07	.021	.007	.039	.51	.5
FEB													
20...	--	<.04	--	--	.18	--	<.008	.14	--	E.003	.038	.57	1.0
MAR													
18...	--	E.03	--	--	.23	--	E.005	.17	--	<.006	.056	.78	1.2
APR													
15...	--	E.04	--	--	.10	--	E.004	.20	--	<.006	.044	.59	1.1
MAY													
12...	--	E.02	1.22	.28	.31	.105	.032	.04	--	E.005	.060	.83	.3
JUN													
22...	--	E.04	--	--	.11	--	E.004	.11	.037	.012	.072	.52	.7
JUL													
20...	.07	.06	--	--	.17	--	E.005	.05	.031	.010	.049	.72	.4
AUG													
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
19...	--	<.04	--	--	.20	--	E.004	.05	.028	.009	.051	.71	.5
SEP													
23...	--	E.03	--	--	.24	--	E.006	.03	.034	.011	.049	.67	.3

Date	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, periphyton, mg/m2 (62359)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)
OCT													
17...	<.1	.6	5.0	--	--	<.006	<.006	<.006	<.004	<.005	<.007	<.050	<.010
DEC													
30...	<.1	.5	4.3	--	--	<.006	<.006	<.006	<.005	<.005	<.007	<.050	<.010
FEB													
20...	<.1	1.0	4.9	--	--	<.006	<.006	<.006	<.005	<.005	.016	<.050	<.010
MAR													
18...	<.1	1.2	5.8	--	--	<.006	E.005	<.006	<.005	<.005	.034	E.088	E.006
APR													
15...	<.1	1.1	5.9	--	--	<.006	<.006	<.006	<.005	<.005	.050	<.075	<.010
MAY													
12...	<.1	.3	--	--	--	<.006	E.011	<.006	<.005	<.005	.104	E.227	<.010
JUN													
22...	<.1	.7	4.7	--	--	<.006	<.006	<.006	<.005	<.005	.013	<.050	<.010
JUL													
20...	<.1	.4	6.6	--	--	--	--	--	--	--	--	--	--
AUG													
09...	--	--	--	.7	1.1	--	--	--	--	--	--	--	--
19...	<.1	.5	6.5	--	--	<.006	<.006	<.006	<.005	<.005	.009	<.050	<.010
SEP													
23...	<.1	.3	5.6	--	--	--	--	--	--	--	--	--	--

02087580 SWIFT CREEK NEAR APEX, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)
OCT													
17...	<.002	<.041	<.020	<.005	<.006	<.018	<.003	.006	.013	<.005	<.02	<.002	<.009
DEC													
30...	<.004	E.011	<.020	<.005	<.006	<.018	<.003	E.005	.013	<.009	<.02	<.004	<.009
FEB													
20...	<.004	<.041	<.020	<.005	<.006	<.018	<.003	E.008	.007	<.009	<.02	<.004	<.009
MAR													
18...	<.004	E.040	E.008	<.005	<.006	<.018	<.003	E.010	.017	<.009	<.02	<.004	<.009
APR													
15...	<.004	E.015	<.020	<.005	<.006	<.018	<.003	E.012	.026	<.009	<.02	<.004	<.009
MAY													
12...	<.004	<.041	<.020	<.005	<.006	<.018	<.003	.018	.011	<.009	<.02	<.004	<.009
JUN													
22...	<.004	E.034	<.020	<.005	<.006	<.018	<.003	E.009	<.005	<.009	<.02	<.004	<.009
JUL													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
19...	<.004	E.032	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009
SEP													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)
OCT													
17...	<.005	E.005	.006	.007	E.012	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002
DEC													
30...	<.005	E.003	E.005	E.006	E.012	<.003	<.004	<.035	<.027	<.015	E.005	<.006	<.003
FEB													
20...	<.005	E.007	E.008	E.008	E.025	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003
MAR													
18...	<.005	E.005	E.007	E.008	E.029	<.003	<.004	<.035	<.027	<.015	.014	<.006	<.003
APR													
15...	<.005	<.029	E.007	E.007	E.016	<.003	<.004	<.035	<.027	<.015	E.013	<.006	<.003
MAY													
12...	<.005	E.006	E.008	E.011	E.015	<.003	<.004	<.035	<.027	<.015	E.009	<.006	<.003
JUN													
22...	<.005	E.004	E.008	E.008	<.016	<.003	<.004	<.035	<.027	<.015	E.006	<.006	<.003
JUL													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
19...	<.005	<.029	<.013	<.024	E.039	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003
SEP													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--

02087580 SWIFT CREEK NEAR APEX, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p-' DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)
OCT													
17...	<.007	<.003	<.010	<.004	<.022	<.011	.02	<.004	<.010	<.011	<.02	.011	E.01
DEC													
30...	<.007	<.003	<.010	<.004	<.022	<.011	.01	<.020	<.025	<.011	<.02	.008	E.01
FEB													
20...	<.007	<.003	<.010	<.004	E.009	<.011	.01	.118	<.025	<.011	<.02	.480	E.01
MAR													
18...	<.007	<.003	<.010	<.004	.035	<.011	.02	.075	<.025	<.011	<.02	.589	<.02
APR													
15...	<.007	<.003	<.010	<.004	E.017	<.011	.03	.042	<.025	<.011	<.02	.425	<.02
MAY													
12...	<.007	<.003	<.010	<.004	<.022	<.011	.04	.050	<.025	<.011	<.02	.172	<.02
JUN													
22...	<.007	<.003	<.010	<.004	<.022	<.011	.03	E.012	<.025	<.011	<.02	.039	.03
JUL													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
19...	<.007	<.003	<.010	<.004	<.022	<.011	.06	<.004	<.025	<.011	<.02	.059	<.02
SEP													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT								
17...	<.034	<.02	<.005	<.002	<.009	92	4	.04
DEC								
30...	<.034	<.02	<.010	<.002	<.009	96	7	.15
FEB								
20...	<.034	<.02	<.010	<.002	<.009	80	24	.84
MAR								
18...	<.034	<.02	<.010	<.002	E.006	94	21	1.8
APR								
15...	<.034	<.02	<.010	<.002	E.005	81	14	.76
MAY								
12...	<.034	<.02	<.010	<.002	<.009	94	12	.28
JUN								
22...	<.034	<.02	<.010	<.002	<.009	89	13	.03
JUL								
20...	--	--	--	--	--	93	9	.05
AUG								
09...	--	--	--	--	--	--	--	--
19...	<.034	<.02	<.010	<.002	<.009	97	20	.81
SEP								
23...	--	--	--	--	--	83	12	.17

Remark codes used in this table:
< -- Less than
E -- Estimated value

Medium codes used in this table:
9 -- Surface water
D -- Plant tissue

02087580 SWIFT CREEK NEAR APEX, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	102	89	97	81	76	79	88	85	86	93	91	92
2	106	97	101	86	74	83	91	86	88	97	93	96
3	106	92	98	91	76	85	93	84	88	100	97	98
4	107	97	101	96	75	91	93	90	92	101	93	99
5	108	100	104	99	88	94	90	73	78	93	90	92
6	108	100	103	98	85	93	78	74	76	91	77	81
7	103	99	101	94	72	78	82	78	81	82	77	79
8	107	99	103	86	79	83	89	82	86	87	82	85
9	105	84	92	87	78	84	90	87	89	101	86	89
10	84	81	83	82	77	79	---	---	---	216	101	149
11	83	77	79	91	79	87	---	---	---	142	112	123
12	81	78	79	93	90	92	---	---	---	142	135	138
13	84	80	82	94	84	93	---	---	---	138	121	132
14	88	82	85	97	92	95	---	---	---	121	109	115
15	87	69	74	104	95	99	---	---	---	110	96	106
16	75	71	73	104	99	102	---	---	---	110	99	105
17	79	75	78	106	101	103	---	---	---	112	101	106
18	84	77	80	107	102	105	---	---	---	127	98	108
19	81	77	79	108	68	91	84	78	81	98	89	91
20	88	81	85	72	69	71	86	83	85	96	90	93
21	92	86	87	79	72	76	89	86	88	103	96	100
22	93	89	91	86	79	83	92	89	91	110	102	103
23	94	85	89	88	81	86	92	92	92	105	102	104
24	97	94	96	91	85	89	92	81	89	108	105	107
25	101	96	98	91	85	88	86	83	84	107	99	104
26	101	98	100	92	91	92	89	86	88	147	95	109
27	108	100	104	95	88	91	92	89	91	117	96	99
28	110	75	104	96	87	94	93	92	93	510	117	314
29	75	64	66	93	81	85	96	93	95	431	253	340
30	72	67	69	85	82	83	95	90	93	376	195	244
31	77	72	74	---	---	---	94	90	92	217	151	172
MONTH	110	64	89	108	68	88	---	---	---	510	77	125
		FEBRUARY			MARCH			APRIL			MAY	
1	154	148	150	157	154	156	155	132	144	---	---	---
2	158	150	153	160	155	157	150	145	148	---	---	---
3	266	122	153	159	155	158	150	146	148	---	---	---
4	125	120	123	159	155	158	151	145	148	---	---	---
5	132	124	127	159	154	157	151	142	147	137	132	135
6	145	132	137	166	156	159	146	142	144	138	136	136
7	146	132	140	170	154	162	147	140	144	138	136	137
8	158	143	150	169	153	160	145	141	143	139	136	138
9	164	158	160	158	150	154	154	142	149	139	136	137
10	169	151	162	161	149	154	---	---	---	138	136	137
11	160	142	150	155	151	153	166	156	162	137	131	135
12	153	133	142	153	148	151	156	113	139	134	92	125
13	190	153	172	152	147	150	143	124	136	160	118	138
14	212	172	198	152	148	150	142	135	140	171	145	157
15	186	141	164	156	138	150	145	132	139	158	142	149
16	180	139	164	155	122	134	146	125	139	162	140	149
17	187	152	162	134	122	129	146	132	140	167	138	153
18	195	165	182	---	---	---	147	132	140	156	125	138
19	168	154	162	---	---	---	152	140	143	149	96	136
20	165	153	157	---	---	---	156	132	143	165	112	131
21	183	155	160	---	---	---	161	135	146	154	125	134
22	185	155	164	---	---	---	153	144	147	128	119	124
23	159	153	156	---	---	---	152	138	147	125	106	120
24	156	152	154	---	---	---	147	138	145	109	91	97
25	154	149	152	---	---	---	145	135	142	107	93	100
26	161	147	154	---	---	---	145	106	136	115	105	110
27	274	161	220	154	143	149	---	---	---	113	98	107
28	212	158	175	146	143	145	---	---	---	128	113	121
29	163	153	156	147	144	145	---	---	---	126	105	118
30	---	---	---	151	142	148	---	---	---	123	76	96
31	---	---	---	152	145	149	---	---	---	114	94	104
MONTH	274	120	159	---	---	---	---	---	---	---	---	---

02087580 SWIFT CREEK NEAR APEX, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	120	106	111	99	93	95	104	88	97	---	---	---
2	149	118	135	105	93	96	---	---	---	---	---	---
3	155	142	147	108	96	101	---	---	---	---	---	---
4	147	109	134	108	101	103	107	97	103	---	---	---
5	127	108	118	105	98	101	107	73	99	---	---	---
6	128	110	116	110	98	102	---	---	---	---	---	---
7	122	96	116	110	100	104	99	92	97	---	---	---
8	118	95	105	112	101	105	---	---	---	---	---	---
9	127	108	116	115	111	113	---	---	---	---	---	---
10	128	112	120	116	112	114	---	---	---	---	---	---
11	119	109	114	114	111	112	---	---	---	---	---	---
12	116	103	108	114	60	108	---	---	---	---	---	---
13	118	104	109	94	51	73	---	---	---	---	---	---
14	113	105	109	94	83	89	---	---	---	---	---	---
15	114	106	110	93	73	81	---	---	---	---	---	---
16	108	99	103	91	83	87	---	---	---	---	---	---
17	103	95	100	99	84	90	---	---	---	---	---	---
18	102	92	97	102	68	84	85	79	82	---	---	---
19	103	93	98	101	93	97	86	82	84	---	---	---
20	107	97	101	105	93	99	85	82	83	---	---	---
21	114	103	107	113	100	103	87	64	84	---	---	---
22	115	108	111	---	---	---	70	58	66	---	---	---
23	119	108	112	---	---	---	74	70	72	---	---	---
24	116	106	113	---	---	---	82	74	79	---	---	---
25	111	78	102	---	---	---	84	79	82	---	---	---
26	100	84	94	---	---	---	86	81	84	---	---	---
27	109	100	106	110	82	102	89	83	85	---	---	---
28	---	---	---	112	97	106	98	87	91	---	---	---
29	---	---	---	---	---	---	100	94	96	---	---	---
30	---	---	---	---	---	---	99	57	72	---	---	---
31	---	---	---	109	96	107	74	64	69	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02087580 SWIFT CREEK NEAR APEX, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.3	14.7	16.0	15.9	13.4	14.8	8.9	6.7	7.9	6.6	4.1	5.4
2	16.9	14.9	15.8	16.0	13.9	15.1	8.2	6.2	6.9	8.1	5.4	6.7
3	15.5	12.9	14.3	16.4	14.0	15.3	6.2	5.1	5.6	9.4	6.3	7.8
4	16.6	13.6	14.8	17.8	15.4	16.6	5.7	5.1	5.3	11.8	9.3	10.5
5	17.4	14.4	15.8	19.5	16.7	18.0	7.3	5.7	6.8	13.9	11.2	12.5
6	17.0	14.5	15.7	20.3	18.5	19.3	7.9	6.2	7.1	13.3	7.9	10.7
7	18.1	15.7	16.7	20.4	19.4	19.8	6.3	4.7	5.5	7.9	4.6	5.9
8	17.7	16.8	17.2	19.4	15.4	17.4	5.2	3.5	4.5	4.7	3.0	4.0
9	19.3	17.6	18.5	15.4	12.2	13.6	6.1	3.4	4.7	4.6	3.0	3.8
10	19.1	18.4	18.7	12.6	10.9	11.8	10.0	5.5	7.1	4.0	2.3	3.6
11	18.7	18.3	18.5	12.7	10.2	11.6	9.2	8.0	8.6	2.3	0.5	1.5
12	19.7	17.9	18.8	15.5	12.4	13.8	8.0	6.6	7.3	4.2	1.2	2.6
13	19.8	17.8	18.9	15.5	11.2	13.9	6.9	5.8	6.4	5.5	2.5	3.9
14	19.2	18.7	19.0	11.2	9.0	9.8	6.9	5.7	6.4	5.1	3.1	4.1
15	19.0	16.9	18.1	10.7	8.9	9.8	7.1	5.7	6.3	6.0	4.1	4.8
16	16.9	14.6	15.9	13.0	10.5	11.7	7.4	5.2	6.3	4.6	3.0	3.9
17	16.3	13.7	15.2	15.4	12.9	14.1	8.6	6.7	7.8	4.9	2.3	3.5
18	16.9	15.6	16.2	16.5	14.8	15.7	7.0	5.7	6.4	7.0	4.9	6.0
19	15.6	13.4	14.7	16.9	15.5	16.2	6.5	5.3	6.1	6.7	4.4	5.8
20	15.8	13.5	14.7	15.5	13.1	14.4	5.3	3.8	4.8	4.4	2.5	3.3
21	17.1	14.4	15.7	14.2	11.7	12.9	4.2	2.5	3.4	3.5	1.2	2.4
22	16.8	15.0	16.1	13.6	11.1	12.4	5.0	2.7	3.8	4.4	1.3	2.9
23	15.0	13.0	13.8	13.3	10.7	12.2	7.4	3.6	5.3	3.7	2.1	3.0
24	13.2	11.3	12.3	14.3	10.9	12.6	10.0	7.4	8.7	5.5	2.4	3.8
25	14.3	11.8	13.0	13.4	9.6	11.0	8.3	5.2	6.7	4.7	-0.2	1.9
26	16.0	14.1	15.0	10.7	8.4	9.5	5.4	3.7	4.6	0.6	-0.2	0.3
27	17.6	15.5	16.5	12.2	9.5	10.8	5.3	2.9	4.1	1.9	0.6	1.2
28	16.9	14.4	15.4	14.6	12.0	13.2	5.5	3.1	4.3	2.4	0.4	1.3
29	16.6	14.7	15.6	12.0	8.3	10	6.7	3.8	5.2	3.7	0.9	2.2
30	16.1	14.1	15.1	8.6	6.9	7.9	8.5	6.6	7.5	4.8	2.6	3.6
31	16.0	13.4	14.7	---	---	---	6.9	4.8	5.9	3.9	1.7	2.8
MONTH	19.8	11.3	16.0	20.4	6.9	13.5	10.0	2.5	6.0	13.9	-0.2	4.4
		FEBRUARY			MARCH			APRIL			MAY	
1	3.5	1.1	2.2	10.3	6.4	8.4	14.9	12.0	13.5	---	---	---
2	4.4	1.1	2.6	11.5	9.3	10.4	14.1	12.2	13.0	---	---	---
3	5.3	3.6	4.5	15.0	10.8	12.6	15.2	10.6	12.8	---	---	---
4	5.9	3.8	4.8	17.0	12.4	14.5	16.3	11.6	13.5	---	---	---
5	5.4	3.7	4.7	17.6	14.2	15.8	15.3	10.0	12.6	20.1	16.3	18.1
6	8.6	5.3	6.9	16.6	15.2	16.0	15.9	9.4	12.6	22.1	17.6	19.8
7	8.8	6.7	7.7	16.6	13.7	15.0	17.8	11.1	14.3	23.8	19.2	21.4
8	7.0	5.1	6.0	13.9	11.0	12.6	19.0	13.6	16.3	24.2	21.0	22.5
9	5.7	4.1	5.1	12.2	9.2	10.6	20.3	14.7	17.2	24.7	21.6	23.0
10	7.6	5.3	6.3	12.1	9.4	10.5	18.6	14.3	16.6	24.8	21.4	23.1
11	8.2	6.2	7.1	12.6	7.8	10.2	18.2	16.2	17.2	24.7	21.2	22.9
12	7.0	5.8	6.4	13.6	8.8	11.1	16.6	13.9	14.7	24.1	21.1	22.8
13	8.1	5.4	6.7	13.0	8.8	10.8	16.6	14.7	15.4	25.8	23.0	24.2
14	7.7	6.7	7.2	13.5	8.7	11.0	15.9	13.3	14.5	25.4	21.9	23.6
15	7.9	5.8	7.3	14.2	11.7	12.9	17.0	12.0	14.3	25.6	21.4	23.4
16	6.7	4.9	5.7	14.4	13.2	13.7	18.4	12.5	15.4	25.0	21.4	23.3
17	5.4	4.5	4.7	13.2	11.6	12.6	20.0	14.0	16.9	25.6	21.0	23.1
18	6.6	3.8	5.1	11.6	10.4	11.2	21.5	16.4	18.9	25.9	21.1	23.3
19	7.9	4.2	6.0	14.4	11.0	12.5	22.1	17.7	19.9	25.4	21.9	23.4
20	9.3	5.6	7.4	14.7	10.5	12.7	22.9	18.4	20.7	26.6	23.7	25.1
21	11.4	8.3	9.6	15.9	11.9	13.9	22.4	19.0	20.8	28.1	24.3	26.0
22	10.4	7.4	8.8	13.4	9.7	11.2	22.2	18.6	20.6	28.4	24.3	26.2
23	9.2	6.7	8.0	12.6	7.5	10	23.2	19.1	21.2	27.9	24.2	25.7
24	10.2	7.8	8.9	13.5	7.8	10.6	22.8	20.0	21.5	27.4	23.6	25.3
25	9.8	7.1	8.4	16.4	10.1	13.0	22.6	19.6	21.1	28.4	23.8	25.8
26	7.7	4.5	5.7	18.4	12.2	15.2	21.6	19.6	20.7	27.5	24.2	25.8
27	5.0	3.1	4.0	19.3	14.2	16.7	21.3	19.3	20.3	27.4	23.7	25.4
28	8.0	4.4	6.1	18.4	15.4	17.1	19.7	16.4	18.2	26.6	23.5	24.9
29	9.0	5.2	7.0	18.1	13.2	15.5	20.4	16.4	18.3	26.2	22.0	24.1
30	---	---	---	14.7	12.6	13.4	20.8	17.6	19.3	24.0	21.8	23.3
31	---	---	---	15.3	12.4	13.6	---	---	---	25.2	23.0	24.0
MONTH	11.4	1.1	6.2	19.3	6.4	12.8	23.2	9.4	17.1	---	---	---

02087580 SWIFT CREEK NEAR APEX, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	25.9	22.0	23.8	26.4	23.3	24.7	28.6	26.3	27.3	---	---	---
2	25.9	20.6	23.1	27.8	24.0	25.6	29.1	27.4	28.1	---	---	---
3	26.0	21.2	23.5	27.2	24.2	25.6	29.3	27.8	28.5	---	---	---
4	24.1	22.3	22.8	28.3	24.6	26.2	28.9	26.3	27.6	---	---	---
5	24.8	22.0	23.3	29.6	24.8	26.9	27.7	25.8	26.8	---	---	---
6	23.5	21.4	22.3	29.1	24.8	26.9	27.9	25.4	27.3	---	---	---
7	24.4	21.3	22.7	29.6	24.9	27.1	25.4	22.9	24.2	---	---	---
8	26.3	23.8	24.8	29.8	24.8	27.1	24.0	21.1	22.7	---	---	---
9	25.7	23.1	24.5	29.5	25.1	27.2	24.8	21.1	22.9	---	---	---
10	27.7	23.4	25.4	28.5	24.9	26.7	25.3	21.5	23.3	---	---	---
11	28.6	24.3	26.3	28.6	24.9	26.6	26.0	21.9	23.9	---	---	---
12	26.6	23.4	24.8	28.6	24.8	26.5	25.0	22.6	23.4	---	---	---
13	23.5	21.4	22.7	28.8	26.3	27.4	25.9	24.1	25.1	---	---	---
14	25.2	22.1	23.4	29.7	25.7	27.6	25.2	23.9	24.3	---	---	---
15	25.4	22.9	24.1	28.4	25.7	27.0	23.9	21.9	23.0	---	---	---
16	25.8	23.3	24.4	27.2	23.3	25.3	24.1	22.6	23.2	---	---	---
17	27.1	23.8	25.1	26.7	22.7	24.6	25.2	23.0	24.1	---	---	---
18	29.3	24.5	26.6	25.8	23.6	24.8	25.8	23.8	24.7	---	---	---
19	28.5	24.9	26.6	26.6	24.2	25.4	26.6	23.7	25.0	---	---	---
20	27.3	24.1	25.6	27.2	23.7	25.4	26.8	24.0	25.5	---	---	---
21	24.5	21.6	23.0	27.6	23.8	25.6	26.8	24.9	25.7	---	---	---
22	26.1	21.8	23.8	27.1	23.7	25.4	26.8	25.1	26.1	---	---	---
23	27.3	23.6	25.3	29.1	25.7	27.9	26.1	24.5	25.4	---	---	---
24	25.6	23.9	24.6	28.2	26.5	27.3	25.7	23.1	24.5	---	---	---
25	26.8	23.3	24.8	26.5	24.7	25.1	25.1	22.6	23.9	---	---	---
26	25.8	24.1	25.0	27.4	24.3	25.6	25.1	22.8	23.9	---	---	---
27	25.3	24.0	24.6	28.2	24.9	26.2	26.6	23.6	24.8	---	---	---
28	25.0	23.1	23.9	27.3	25.1	26.0	26.7	23.4	24.8	---	---	---
29	27.1	24.2	25.6	27.0	24.7	25.4	24.6	23.6	24.2	---	---	---
30	25.8	23.9	24.9	27.9	25.2	26.4	26.0	23.8	25.2	---	---	---
31	---	---	---	28.1	25.3	26.6	26.2	24.6	25.5	---	---	---
MONTH	29.3	20.6	24.4	29.8	22.7	26.2	29.3	21.1	25.0	---	---	---

0208758850 SWIFT CREEK NEAR MCCULLARS CROSSROADS, NC

LOCATION.--Lat 35°41'37", long 78°41'32", Wake County, Hydrologic Unit 03020201, 0.1 mi downstream of Secondary Road 1375, 0.1 mi downstream of Lake Wheeler, and 2.0 mi north of McCullars Crossroads.

DRAINAGE AREA.--35.8 mi^2.

PERIOD OF RECORD.--December 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is 251.46 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records good. Some regulation by Lake Wheeler (station 02087588). Minimum flow for current year also occurred June 25. Maximum gage height for period of record from floodmarks. No flow also occurred part of each day, June 27, 28, 29, 1993.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	25	9.6	15	36	67	38	23	13	18	21	102
2	4.3	18	4.3	15	30	49	43	65	6.0	13	29	42
3	2.7	15	2.5	15	81	41	34	251	1.4	9.1	59	23
4	4.3	13	5.0	16	109	34	29	124	8.1	6.6	30	18
5	1.9	13	30	19	64	31	23	64	20	5.4	19	16
6	2.3	15	33	26	44	32	19	38	14	1.8	144	45
7	2.3	28	22	23	166	33	19	28	12	1.6	61	149
8	6.2	33	16	18	102	40	19	21	17	0.65	23	179
9	14	29	12	18	58	34	19	19	14	0.29	13	254
10	16	22	29	22	41	38	19	17	13	0.26	7.9	75
11	18	17	252	21	34	37	19	14	9.2	0.33	3.0	35
12	17	17	111	19	70	28	30	12	3.9	0.42	9.8	22
13	14	16	53	17	118	23	82	20	1.6	5.2	77	18
14	14	7.0	179	16	72	20	89	16	1.7	7.2	658	18
15	22	4.9	166	17	65	46	63	13	1.8	8.3	554	46
16	18	6.0	78	15	102	194	41	8.1	2.0	3.8	396	37
17	14	7.3	64	14	88	191	30	4.0	2.0	1.4	92	68
18	14	8.2	69	26	69	111	25	2.6	1.8	6.4	40	622
19	13	44	48	38	54	117	23	3.1	0.86	9.2	25	175
20	11	130	35	30	44	85	21	12	0.31	5.3	19	56
21	11	63	25	22	38	62	20	15	0.10	2.2	16	29
22	7.6	32	21	19	32	43	19	11	0.16	1.7	115	19
23	4.4	21	20	17	28	32	18	8.3	0.10	29	63	15
24	2.4	16	27	16	26	28	17	9.2	0.04	26	28	12
25	2.3	12	26	16	24	26	17	5.2	0.13	15	17	9.9
26	3.6	9.4	21	23	24	26	17	3.4	8.1	10	13	8.1
27	6.6	7.7	18	24	55	27	36	1.5	16	5.7	11	7.4
28	8.9	14	17	23	92	24	35	1.4	28	2.8	7.7	40
29	151	16	16	24	91	23	27	0.18	64	3.8	5.0	55
30	104	11	18	34	---	22	25	16	30	15	325	30
31	44	---	16	41	---	25	---	21	---	18	449	---
TOTAL	560.4	670.5	1,443.4	659	1,857	1,589	916	846.98	290.30	233.45	3,330.4	2,225.4
MEAN	18.1	22.4	46.6	21.3	64.0	51.3	30.5	27.3	9.68	7.53	107	74.2
MAX	151	130	252	41	166	194	89	251	64	29	658	622
MIN	1.9	4.9	2.5	14	24	20	17	0.18	0.04	0.26	3.0	7.4

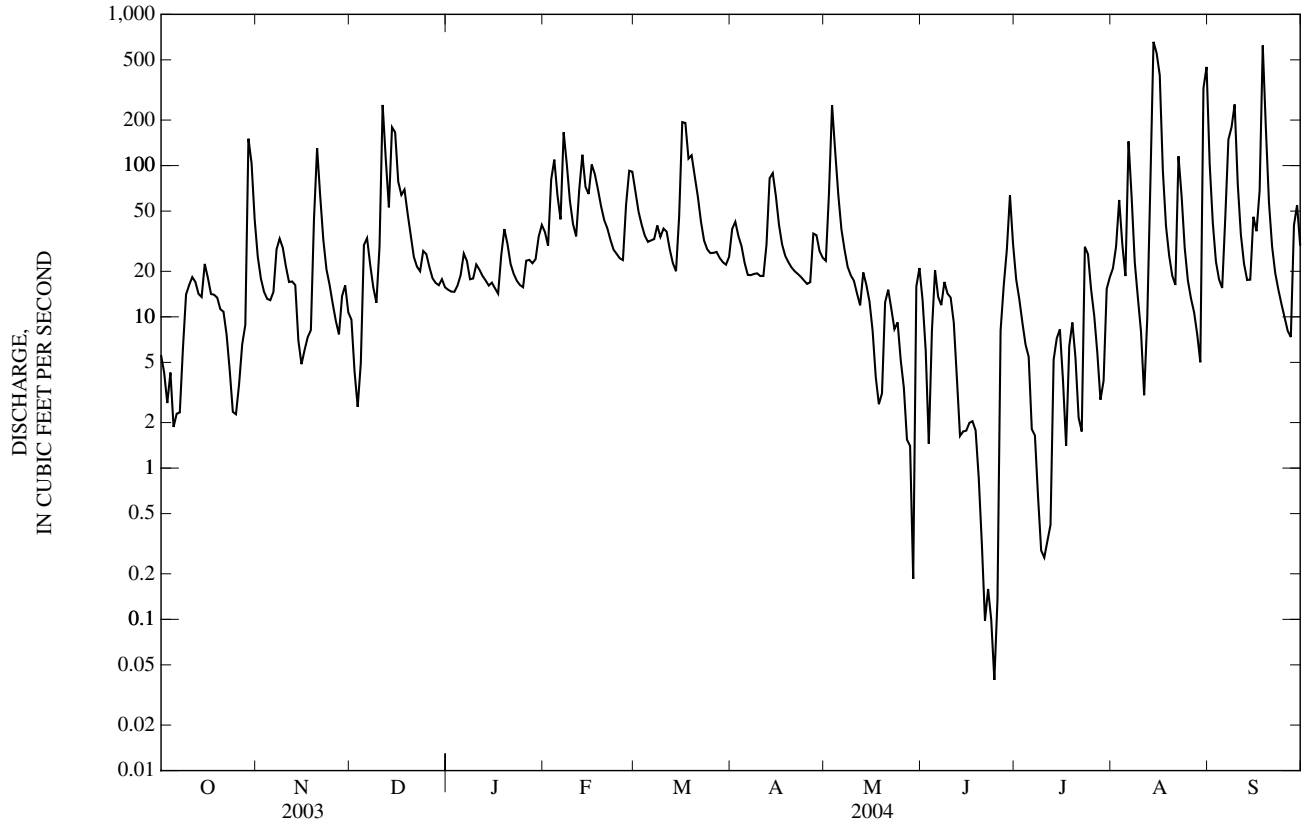
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	26.4	25.9	26.8	60.2	58.2	71.3	42.5	22.8	28.7	24.1	30.0	48.3
MAX	106	69.4	74.2	183	159	183	110	75.7	91.5	130	112	323
(WY)	(1996)	(1996)	(2003)	(1998)	(1998)	(1998)	(2003)	(1989)	(2001)	(2001)	(2003)	(1999)
MIN	4.38	0.99	7.46	12.1	14.4	15.1	10.7	4.95	0.06	1.16	0.61	0.11
(WY)	(1992)	(2002)	(2002)	(2001)	(1991)	(1988)	(1995)	(2000)	(2002)	(1988)	(1997)	(1990)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL TOTAL	22,449.72		14,621.83			
ANNUAL MEAN	61.5		40.0		39.8	
HIGHEST ANNUAL MEAN					70.8	2003
LOWEST ANNUAL MEAN					18.4	1992
HIGHEST DAILY MEAN	1,090	Aug 9	658	Aug 14	2,700	Sep 6, 1996
LOWEST DAILY MEAN	0.43	Jul 28	0.04	Jun 24	0.01	Jun 28, 1993
ANNUAL SEVEN-DAY MINIMUM	2.1	Jul 22	0.24	Jun 19	0.02	Jun 29, 2002
MAXIMUM PEAK FLOW			971	Aug 14	6,790	Sep 6, 1996
MAXIMUM PEAK STAGE			9.66	Aug 14	14.15*	Sep 6, 1996
INSTANTANEOUS LOW FLOW			0.03*	Jun 24	0.00*	Jun 27, 1993
10 PERCENT EXCEEDS	129		86		81	
50 PERCENT EXCEEDS	27		19		15	
90 PERCENT EXCEEDS	8.3		2.9		0.49	

* See REMARKS.

0208758850 SWIFT CREEK NEAR MCCULLARS CROSSROADS, NC—Continued



0208762750 UNNAMED TRIB TO SWIFT CREEK NEAR YATES MILL POND, NC

LOCATION.--Lat 35°43'55", long 78°40'34", Wake County, Hydrologic Unit 03020201, 0.4 mi east of Secondary Road 1371 and approximately 1 mi northeast of Yates Mill Pond.

DRAINAGE AREA.--0.21 mi^2.

PERIOD OF RECORD.--May 2002 to September 2004 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 320 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor. No flow, part of many days, occurs most years.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.25	0.26	0.33	0.38	0.34	0.45	0.54	0.18	0.01	0.07	0.08	0.43
2	0.22	0.26	0.31	0.38	0.36	0.44	0.47	0.56	0.01	0.05	0.23	0.37
3	e0.26	0.27	0.34	0.37	0.64	0.43	0.43	0.56	0.01	0.05	0.09	0.34
4	e0.30	0.30	0.44	0.34	0.42	0.40	0.40	0.25	0.12	0.05	0.04	0.34
5	e0.21	0.34	0.45	0.33	0.39	0.38	0.41	0.19	0.04	0.05	0.71	0.32
6	0.25	0.43	0.36	0.25	0.52	0.35	0.40	0.13	0.02	0.03	0.45	0.40
7	0.27	0.36	0.36	0.25	1.3	0.35	0.38	0.11	0.03	0.02	0.12	0.47
8	0.36	0.44	0.35	0.27	0.43	0.35	0.36	0.09	0.02	0.01	0.08	1.3
9	0.36	0.38	0.36	0.32	0.41	0.40	0.32	0.09	0.09	0.01	0.05	0.61
10	0.32	0.37	1.1	0.31	0.41	0.36	0.30	0.08	0.03	0.01	0.05	0.44
11	0.25	0.38	0.60	0.30	0.39	0.34	0.31	e0.08	0.01	0.02	0.05	0.42
12	0.22	0.37	0.40	0.37	0.83	0.34	0.54	e0.07	0.02	0.04	0.14	0.40
13	0.21	0.36	0.38	0.35	0.47	0.36	0.42	e0.06	0.02	0.04	0.12	0.40
14	0.31	0.39	1.7	0.33	0.47	0.38	0.32	0.05	0.04	0.03	0.77	0.57
15	0.15	0.40	0.46	0.31	0.55	0.49	0.27	0.04	0.02	0.02	3.4	0.57
16	0.11	0.37	0.39	0.30	0.58	0.78	0.24	0.04	0.02	0.01	0.90	0.50
17	0.12	0.37	0.52	0.30	0.49	0.84	0.22	0.03	0.02	0.01	0.41	1.2
18	0.14	0.36	0.39	0.41	0.46	0.81	0.20	0.03	0.01	0.05	0.33	1.0
19	0.11	0.71	0.38	0.31	0.44	0.75	0.18	0.07	0.01	0.02	0.27	0.58
20	0.11	0.38	0.37	0.28	0.43	0.61	0.16	0.05	0.01	0.01	0.24	0.52
21	0.11	0.31	0.37	0.29	0.44	0.59	0.14	0.03	0.01	0.01	0.42	0.50
22	0.10	0.31	0.38	0.32	0.40	0.57	0.14	0.02	0.01	0.08	0.86	0.47
23	0.10	0.32	0.41	0.29	0.39	0.58	0.13	0.02	0.01	0.09	0.35	0.47
24	0.11	0.33	0.41	0.29	0.39	0.58	0.13	0.02	0.08	0.02	0.31	0.47
25	0.11	0.32	0.35	0.30	0.37	0.57	0.13	0.02	0.10	0.03	0.28	0.49
26	0.12	0.34	0.35	0.32	0.41	0.57	0.18	0.01	0.14	0.02	0.28	0.47
27	0.14	0.33	0.36	0.34	0.56	0.57	0.24	0.01	0.05	0.02	0.26	0.53
28	0.35	0.36	0.37	0.37	0.75	0.54	0.17	0.01	0.24	0.01	0.26	0.74
29	0.99	0.30	0.38	0.43	0.49	0.52	0.15	0.01	0.09	0.05	0.29	0.53
30	0.31	0.33	0.36	0.44	---	0.55	0.14	0.12	0.06	0.04	2.9	0.54
31	0.28	---	0.36	0.37	---	0.56	---	0.03	---	0.19	0.66	---
TOTAL	7.25	10.75	14.09	10.22	14.53	15.81	8.42	3.06	1.35	1.16	15.40	16.39
MEAN	0.23	0.36	0.45	0.33	0.50	0.51	0.28	0.10	0.04	0.04	0.50	0.55
MAX	0.99	0.71	1.7	0.44	1.3	0.84	0.54	0.56	0.24	0.19	3.4	1.3
MIN	0.10	0.26	0.31	0.25	0.34	0.34	0.13	0.01	0.01	0.01	0.04	0.32

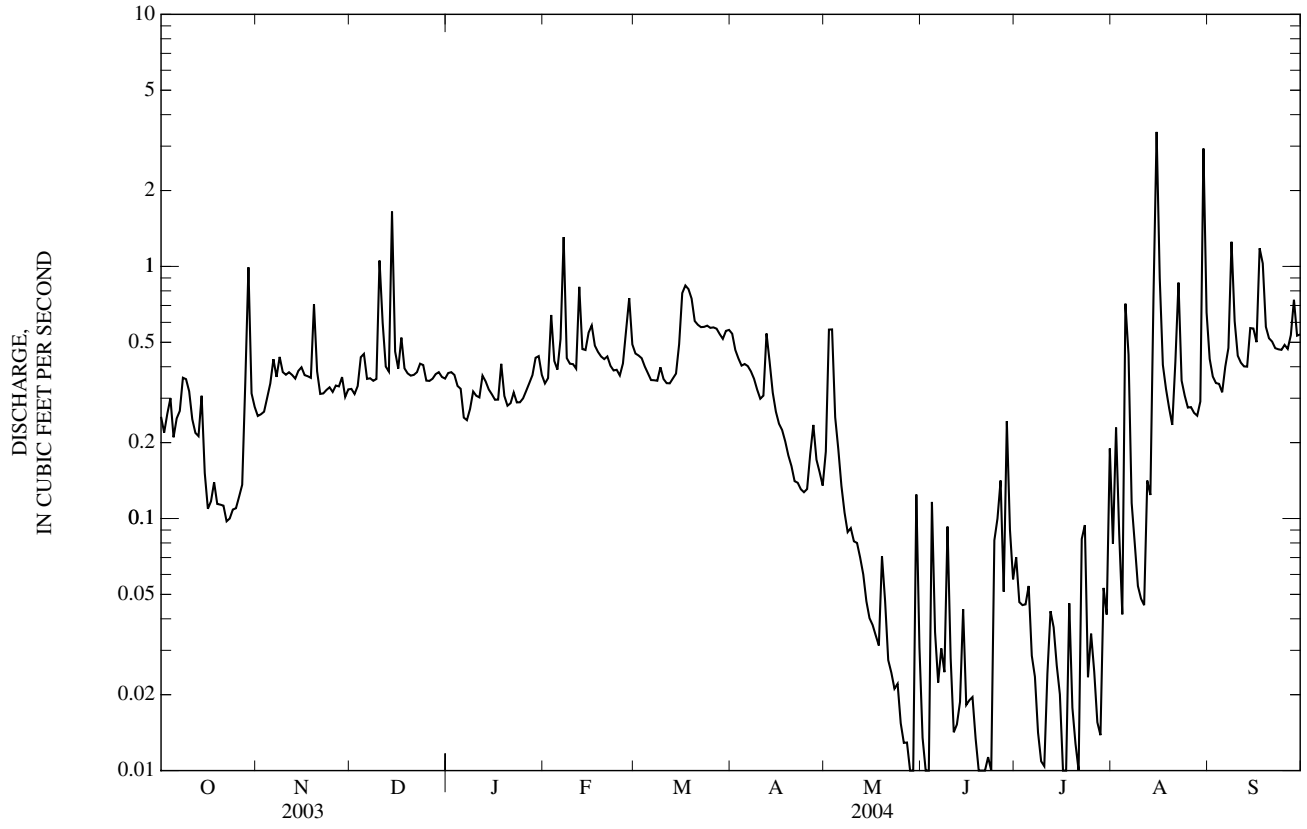
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	0.28	0.39	0.52	0.28	0.49	0.42	0.31	0.12	0.17	0.14	0.37	0.30
MAX	0.33	0.41	0.58	0.33	0.50	0.51	0.33	0.22	0.46	0.37	0.58	0.55
(WY)	(2003)	(2003)	(2003)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	0.23	0.36	0.45	0.23	0.47	0.33	0.28	0.03	0.02	0.02	0.04	0.04
(WY)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2004)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	132.07		118.43			
ANNUAL MEAN	0.36		0.32		0.35	
HIGHEST ANNUAL MEAN					0.38	2003
LOWEST ANNUAL MEAN					0.32	2004
HIGHEST DAILY MEAN	4.6	Aug 8	3.4	Aug 15	4.6	Aug 8, 2003
LOWEST DAILY MEAN	0.06	Jul 31	0.01	May 26	0.01	Jun 18, 2002
ANNUAL SEVEN-DAY MINIMUM	0.08	Jul 22	0.01	Jun 17	0.01	Jun 29, 2002
MAXIMUM PEAK FLOW			18	Aug 15	60	Aug 8, 2003
MAXIMUM PEAK STAGE			1.80	Aug 15	2.48	Aug 8, 2003
INSTANTANEOUS LOW FLOW			0.00*	May 18	0.00	May 18, 2004
10 PERCENT EXCEEDS	0.60		0.57		0.60	
50 PERCENT EXCEEDS	0.26		0.32		0.28	
90 PERCENT EXCEEDS	0.14		0.02		0.05	

* See REMARKS.
e Estimated.

0208762750 UNNAMED TRIB TO SWIFT CREEK NEAR YATES MILL POND, NC—Continued



0208762750 UNNAMED TRIB TO SWIFT CREEK NEAR YATES MILL POND, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 2002 to May 2004 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 2002 to May 2004.
pH: April 2002 to May 2004.
WATER TEMPERATURE: April 2002 to May 2004.
DISSOLVED OXYGEN: April 2002 to May 2004.
DISSOLVED OXYGEN, PERCENT SATURATION: April 2002 to May 2004.

INSTRUMENTATION.-- Water-quality monitor with satellite telemetry from April 2002 to May 2004.

REMARKS.--Station operated in cooperation with North Carolina Department of Environment and Natural Resources, Water Resources Division as part of the Piedmont/Mountains ground-water project. Dissolved oxygen, percent saturation, computed using a barometric pressure of 760 mm Hg..

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	456, July 10, 2002	5, August 8, 2003
pH, standard units	6.8, June 2, 6, July 29, 2003	4.8, June 29, 2002
WATER TEMPERATURE, °C	25.8, August 14, 2003	1.8, December 5, 2002
DISSOLVED OXYGEN, mg/L	19.5, June 20, 2002	<1.0, on several days during the period
DISSOLVED OXYGEN, PERCENT SATURATION,%	218, June 20, 2002	<10.0, on several days during the period

EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	145, May 15	47, February 7
pH, standard units	6.6, October 29, February 12	5.7, on several days during the year
WATER TEMPERATURE, °C	22.0, May 23	2.0, January 25
DISSOLVED OXYGEN, mg/L	12.4, December 14	4.6, November 6
DISSOLVED OXYGEN, PERCENT SATURATION,%	98, December 14	50, November 6

0208762750 UNNAMED TRIB TO SWIFT CREEK NEAR YATES MILL POND, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	93	89	91	89	86	88	87	84	85	85	82	84
2	92	89	91	90	88	89	85	84	84	86	81	83
3	92	89	90	91	89	90	84	82	83	84	80	83
4	---	---	---	90	90	90	85	77	83	84	81	83
5	---	---	---	92	90	91	84	76	81	84	76	82
6	97	92	94	94	87	92	85	83	84	85	80	83
7	93	90	91	94	89	93	85	84	84	85	82	84
8	92	84	89	94	92	92	84	83	84	84	82	83
9	98	84	86	93	92	92	85	83	84	84	78	80
10	---	---	---	92	90	91	101	64	82	82	79	81
11	90	87	89	91	90	90	84	80	82	84	81	82
12	93	89	90	91	89	90	85	82	84	82	74	79
13	93	90	92	91	90	90	86	84	85	82	78	81
14	100	88	91	90	88	89	102	59	74	83	81	82
15	92	85	89	89	87	88	82	78	80	83	81	82
16	93	91	92	89	87	88	85	81	83	83	83	83
17	94	90	92	89	88	89	91	73	84	83	81	81
18	92	86	89	90	88	89	87	84	86	81	72	78
19	92	89	90	109	90	93	86	83	85	81	79	81
20	92	88	90	92	88	89	86	83	85	82	81	81
21	93	90	91	92	89	90	87	84	85	82	80	81
22	93	91	92	90	88	89	87	84	86	82	81	81
23	91	89	90	90	87	89	87	76	85	82	80	81
24	89	83	85	90	88	89	85	78	83	82	80	81
25	84	82	83	89	87	88	86	84	85	81	73	78
26	85	82	83	88	86	87	86	83	85	79	74	78
27	85	83	84	86	84	86	85	83	84	80	77	79
28	89	75	83	88	85	86	86	83	84	79	76	78
29	96	61	78	86	85	86	86	82	84	82	66	75
30	85	80	82	86	85	85	86	83	85	78	69	75
31	87	83	86	---	---	---	86	83	85	80	75	78
MONTH	---	---	---	109	84	89	102	59	84	86	66	81
		FEBRUARY			MARCH			APRIL			MAY	
1	82	80	81	79	75	77	87	78	83	103	79	92
2	82	79	81	81	79	79	86	84	85	89	53	82
3	84	60	78	83	80	82	87	85	86	89	69	83
4	80	78	79	83	81	82	88	85	87	95	89	91
5	82	80	80	84	82	83	91	87	88	99	91	94
6	82	49	80	84	80	82	90	88	89	106	90	96
7	87	47	74	84	72	82	97	85	89	109	91	97
8	81	77	80	83	74	81	94	86	89	107	91	98
9	83	80	82	83	72	81	96	85	89	110	91	98
10	84	82	83	83	77	81	99	84	88	110	91	99
11	85	83	84	83	82	82	89	86	87	---	---	---
12	104	53	75	83	82	83	89	68	78	---	---	---
13	81	75	78	85	82	83	85	75	82	---	---	---
14	82	75	80	84	83	84	88	85	86	123	96	106
15	99	61	80	84	63	78	90	87	88	145	97	110
16	98	72	77	83	51	74	91	87	89	131	99	110
17	81	78	80	80	60	75	94	85	89	131	98	110
18	84	81	82	87	66	77	99	86	90	130	96	111
19	84	83	84	83	77	80	102	89	93	122	76	103
20	85	83	84	84	82	83	109	88	95	105	82	94
21	85	75	82	86	84	84	122	88	96	118	94	102
22	84	83	83	86	85	85	104	86	93	114	97	103
23	84	82	83	86	84	85	116	86	98	113	96	103
24	84	79	81	88	85	86	109	87	97	---	---	---
25	81	80	80	87	85	87	111	87	97	---	---	---
26	80	76	79	87	84	86	124	84	94	---	---	---
27	76	57	70	87	85	86	97	79	88	---	---	---
28	82	54	70	87	84	85	102	91	95	---	---	---
29	76	67	73	87	84	86	109	88	95	---	---	---
30	---	---	---	98	85	88	109	88	97	---	---	---
31	---	---	---	95	86	89	---	---	---	---	---	---
MONTH	104	47	79	98	51	82	124	68	90	---	---	---

0208762750 UNNAMED TRIB TO SWIFT CREEK NEAR YATES MILL POND, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.4	6.3	6.3	6.1	6.0	6.1	5.9	5.8	5.9	5.8	5.7	5.7
2	6.3	6.2	6.3	6.1	6.1	6.1	5.9	5.8	5.8	5.8	5.7	5.8
3	6.3	6.2	6.2	6.1	6.1	6.1	5.9	5.8	5.8	5.9	5.8	5.9
4	---	---	---	6.1	6.1	6.1	6.0	5.8	5.9	5.9	5.9	5.9
5	---	---	---	6.1	6.0	6.1	6.0	5.9	5.9	5.9	5.8	5.9
6	6.2	6.0	6.1	6.2	6.0	6.1	5.9	5.8	5.9	5.9	5.8	5.9
7	6.1	6.0	6.1	6.1	6.0	6.1	5.9	5.8	5.8	5.9	5.8	5.8
8	6.4	6.0	6.2	6.2	6.1	6.1	5.9	5.8	5.8	5.9	5.8	5.8
9	6.4	6.3	6.3	6.2	6.1	6.1	5.9	5.8	5.8	5.9	5.8	5.8
10	---	---	---	6.2	6.0	6.1	6.5	5.8	6.0	5.9	5.8	5.8
11	6.3	6.3	6.3	6.1	5.9	6.0	6.2	5.9	6.0	5.8	5.8	5.8
12	6.3	6.2	6.2	6.1	5.9	6.0	6.0	5.9	5.9	5.9	5.8	5.8
13	6.2	6.1	6.2	6.0	5.9	5.9	6.0	5.9	5.9	5.8	5.8	5.8
14	6.5	6.2	6.2	6.0	5.9	5.9	6.5	5.9	6.1	5.8	5.8	5.8
15	6.4	6.2	6.2	5.9	5.9	5.9	6.0	5.8	6.0	5.8	5.8	5.8
16	6.2	6.2	6.2	6.0	5.9	5.9	5.9	5.8	5.8	5.8	5.8	5.8
17	6.2	6.2	6.2	5.9	5.9	5.9	6.1	5.8	5.9	5.8	5.8	5.8
18	6.3	6.2	6.2	5.9	5.9	5.9	5.9	5.8	5.8	5.9	5.8	5.9
19	6.2	6.1	6.1	6.2	5.9	6.0	6.0	5.8	5.9	5.9	5.8	5.8
20	6.1	6.1	6.1	6.1	5.9	6.0	6.0	5.9	5.9	5.9	5.8	5.8
21	6.1	6.1	6.1	6.0	5.9	5.9	5.9	5.8	5.9	5.9	5.8	5.8
22	6.1	6.1	6.1	6.0	5.9	5.9	5.9	5.8	5.9	5.9	5.8	5.8
23	6.2	6.1	6.1	6.0	5.9	5.9	5.9	5.8	5.8	5.9	5.8	5.8
24	6.1	6.0	6.1	6.0	5.9	5.9	5.9	5.8	5.8	5.9	5.8	5.8
25	6.1	6.0	6.1	6.0	5.9	5.9	5.9	5.8	5.8	5.9	5.8	5.8
26	6.2	6.1	6.1	5.9	5.9	5.9	5.9	5.7	5.8	5.9	5.8	5.8
27	6.2	6.1	6.2	5.9	5.9	5.9	5.9	5.7	5.8	5.9	5.8	5.9
28	6.4	6.1	6.2	5.9	5.9	5.9	5.9	5.7	5.8	5.9	5.8	5.9
29	6.6	6.1	6.3	5.9	5.8	5.9	5.9	5.7	5.8	5.9	5.8	5.9
30	6.1	6.1	6.1	5.9	5.8	5.8	5.8	5.7	5.8	5.9	5.8	5.9
31	6.1	6.1	6.1	---	---	---	5.8	5.7	5.7	5.9	5.8	5.9
MONTH	---	---	---	6.2	5.8	6.0	6.5	5.7	5.9	5.9	5.7	5.8
		FEBRUARY			MARCH			APRIL			MAY	
1	5.9	5.8	5.8	6.0	5.9	5.9	6.0	5.9	5.9	5.9	5.8	5.8
2	5.9	5.8	5.8	6.0	5.9	6.0	6.0	5.9	5.9	6.4	5.8	6.0
3	6.2	5.8	6.0	6.2	5.9	6.0	6.1	5.9	5.9	6.3	6.0	6.1
4	6.0	5.9	5.9	6.2	5.9	6.0	6.1	5.9	5.9	6.0	5.9	5.9
5	5.9	5.9	5.9	6.2	6.0	6.0	6.0	5.8	5.9	5.9	5.9	5.9
6	6.2	5.9	5.9	6.1	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.9
7	6.4	5.9	6.0	6.2	5.9	6.0	6.0	5.8	5.9	5.9	5.8	5.9
8	6.0	5.9	5.9	6.2	5.9	6.0	6.0	5.8	5.9	5.9	5.8	5.9
9	6.0	5.9	5.9	6.2	5.9	6.0	6.0	5.8	5.9	6.0	5.8	5.9
10	6.0	5.9	5.9	6.2	5.9	6.0	5.9	5.8	5.8	6.0	5.8	5.9
11	6.0	5.9	6.0	6.1	5.9	5.9	5.9	5.8	5.9	---	---	---
12	6.6	5.9	6.1	6.1	5.9	5.9	6.0	5.8	5.9	---	---	---
13	6.0	5.9	5.9	6.2	5.9	6.0	6.0	5.9	5.9	---	---	---
14	6.0	5.9	5.9	6.1	5.9	6.0	5.9	5.9	5.9	6.0	5.8	5.9
15	6.4	5.9	6.0	6.0	5.9	6.0	5.9	5.8	5.9	5.9	5.7	5.8
16	6.4	5.9	6.0	6.5	6.0	6.1	5.9	5.8	5.8	5.9	5.8	5.8
17	6.0	5.9	5.9	6.3	5.9	6.0	6.0	5.8	5.8	5.9	5.8	5.9
18	6.0	5.9	5.9	6.4	5.9	6.0	6.0	5.8	5.8	5.9	5.8	5.8
19	6.0	5.9	5.9	6.3	5.9	6.0	6.0	5.8	5.9	6.0	5.8	5.9
20	6.0	5.9	6.0	6.1	5.9	5.9	6.0	5.8	5.9	6.0	5.9	5.9
21	6.0	5.9	5.9	6.0	5.9	5.9	6.0	5.7	5.8	6.0	5.8	5.9
22	6.0	5.9	5.9	6.0	5.9	5.9	6.0	5.8	5.9	6.0	5.8	5.9
23	6.0	5.9	5.9	6.0	5.9	5.9	5.9	5.8	5.8	6.0	5.9	5.9
24	6.0	5.8	5.9	6.1	5.9	5.9	5.9	5.7	5.8	---	---	---
25	6.0	5.9	6.0	6.0	5.9	5.9	5.9	5.8	5.8	---	---	---
26	6.0	5.9	5.9	6.1	5.9	6.0	5.9	5.8	5.8	---	---	---
27	6.0	6.0	6.0	6.0	5.9	5.9	6.0	5.8	5.9	---	---	---
28	6.5	6.0	6.1	6.0	5.9	5.9	5.9	5.8	5.8	---	---	---
29	6.0	5.9	5.9	6.0	5.9	5.9	5.9	5.8	5.8	---	---	---
30	---	---	---	6.2	5.9	6.0	5.9	5.8	5.8	---	---	---
31	---	---	---	6.2	5.9	6.0	---	---	---	---	---	---
MONTH	6.6	5.8	5.9	6.5	5.9	6.0	6.1	5.7	5.9	---	---	---

0208762750 UNNAMED TRIB TO SWIFT CREEK NEAR YATES MILL POND, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.9	14.7	15.8	16.2	13.5	14.8	12.4	9.7	11.0	11.0	7.7	9.2
2	16.2	14.8	15.5	16.5	13.9	15.2	10.9	9.0	10.0	11.6	9.1	10.2
3	15.3	13.3	14.4	16.7	13.9	15.3	9.6	8.5	9.1	12.8	9.3	11.1
4	---	---	---	17.3	15.4	16.4	9.2	8.2	8.9	14.3	12.3	13.2
5	---	---	---	18.9	16.3	17.5	9.7	8.2	9.2	15.7	13.5	14.5
6	17.1	14.9	16.0	19.3	17.5	18.3	10.6	8.9	9.7	14.0	8.7	11.2
7	17.9	16.0	16.9	18.5	17.5	18.0	9.8	7.8	8.8	8.7	6.7	7.6
8	17.3	16.9	17.1	17.5	13.9	15.7	9.8	7.2	8.5	8.3	6.2	7.3
9	18.5	17.2	17.7	13.9	12.0	12.7	10.7	7.5	9.1	7.9	6.3	7.2
10	18.2	17.0	17.5	13.5	11.2	12.3	12.2	9.3	10.6	6.8	5.0	6.1
11	17.5	17.1	17.3	14.5	11.6	13.1	11.6	9.7	10.9	6.4	4.2	5.3
12	18.5	17.0	17.6	16.8	14.0	15.3	10.4	8.4	9.4	8.7	5.4	7.0
13	18.5	16.6	17.6	16.1	11.8	14.5	9.4	8.2	8.7	9.9	6.6	8.2
14	18.6	17.3	17.7	12.2	10.5	11.4	8.4	5.2	6.7	9.2	7.0	8.1
15	18.0	15.1	16.4	13.1	11.3	12.3	9.8	7.4	8.4	9.8	7.7	8.6
16	16.1	13.6	14.9	15.0	12.7	13.8	10.5	7.4	9.0	8.6	6.5	7.4
17	16.6	13.7	15.1	16.3	14.6	15.4	11.3	8.5	10.2	8.7	5.8	7.4
18	15.9	14.4	15.4	16.7	15.3	16.0	9.8	7.9	8.8	10.3	7.2	8.9
19	15.8	13.1	14.4	17.2	15.0	16.3	9.3	8.1	8.8	9.4	6.6	8.2
20	16.2	13.7	14.9	15.0	12.6	13.9	8.8	7.0	8.0	7.4	5.2	6.2
21	17.3	15.0	16.0	14.9	11.7	13.2	8.3	6.0	7.2	7.6	4.9	6.2
22	16.8	14.5	15.9	15.1	12.1	13.5	9.5	6.8	8.1	8.8	5.2	6.9
23	14.6	13.0	13.9	15.0	11.9	13.4	11.4	7.4	9.5	8.0	5.8	6.8
24	14.0	12.3	13.2	15.6	12.3	14.0	13.2	10.3	11.9	9.7	6.2	7.8
25	15.4	13.3	14.3	13.9	10.9	11.9	10.3	7.8	9.1	7.5	2.0	4.7
26	16.6	15.3	15.9	13.1	10.5	11.7	9.3	6.8	8.0	5.1	2.6	4.3
27	17.7	16.1	16.9	14.4	11.5	13.0	9.8	6.6	8.1	6.8	5.1	5.8
28	16.6	13.9	15.0	16.2	12.6	14.8	9.9	7.0	8.4	7.3	4.8	5.7
29	15.5	12.9	14.2	12.6	10.1	11.0	11.1	7.7	9.4	7.1	5.0	5.7
30	15.5	12.8	14.1	11.8	9.2	10.4	12.4	9.2	11.1	8.4	5.7	6.8
31	15.8	13.1	14.4	---	---	---	10.5	7.8	9.1	6.9	4.4	5.7
MONTH	---	---	---	19.3	9.2	14.2	13.2	5.2	9.2	15.7	2.0	7.7
		FEBRUARY			MARCH			APRIL			MAY	
1	7.2	4.5	5.6	12.7	7.4	10.1	14.5	11.3	12.7	17.5	15.8	16.5
2	8.1	4.8	6.4	13.2	10.6	11.9	13.9	11.1	12.2	19.8	16.6	17.6
3	8.2	5.0	7.0	15.7	11.8	13.4	14.8	10.0	12.3	18.4	13.8	15.8
4	8.9	5.7	7.2	16.9	12.2	14.2	15.1	11.1	12.6	15.5	12.6	14.1
5	8.2	6.0	7.2	17.3	13.6	15.3	13.9	9.2	11.3	16.6	12.7	14.6
6	12.2	8.0	10.0	16.0	13.9	15.3	14.5	8.6	11.5	18.0	14.0	16.0
7	10.8	7.7	9.7	15.6	11.9	13.8	16.3	10.1	13.1	19.0	15.3	17.1
8	8.9	6.3	7.4	13.4	10.0	11.5	16.9	12.2	14.4	19.5	16.3	17.7
9	8.0	5.6	7.0	12.7	8.8	10.4	17.1	12.9	14.8	19.9	16.7	18.1
10	10.0	7.6	8.8	12.3	9.0	10.2	16.4	12.2	14.2	19.9	16.5	18.1
11	10.2	8.2	9.1	13.2	7.8	10.3	16.2	13.8	14.8	---	---	---
12	8.8	5.2	7.1	14.2	9.0	11.3	13.8	11.7	12.5	---	---	---
13	10.2	6.3	8.1	13.2	8.8	10.7	16.0	12.6	13.9	---	---	---
14	9.6	7.9	8.7	13.9	9.0	11.2	13.8	11.7	12.5	20.0	16.9	18.3
15	9.4	4.7	8.2	14.1	11.6	12.8	15.2	10.7	12.9	20.3	17.1	18.4
16	7.8	4.4	5.9	15.0	11.4	13.2	16.1	10.6	13.4	20.5	17.0	18.5
17	6.0	5.2	5.6	11.8	9.9	11.0	17.6	12.0	14.7	20.0	17.0	18.4
18	8.9	5.3	6.9	11.4	9.2	10.4	18.4	13.7	16.0	20.1	17.0	18.5
19	10.6	6.0	8.1	14.5	10.1	11.8	18.8	14.6	16.6	20.8	17.7	19.1
20	11.6	7.1	9.3	14.7	9.3	11.9	18.9	15.2	17.0	20.7	17.8	19.0
21	13.0	9.6	11.1	15.3	10.1	13.1	18.9	15.3	17.0	21.2	18.1	19.4
22	11.6	8.0	9.6	12.5	8.6	10.2	18.7	15.2	17.0	21.8	18.4	19.8
23	10.7	7.7	9.2	12.6	7.3	9.7	19.6	16.0	17.6	22.0	18.7	19.9
24	11.7	9.2	10.3	13.7	7.8	10.6	19.2	16.3	17.7	---	---	---
25	10.8	7.9	9.2	15.9	9.9	12.6	18.8	16.0	17.4	---	---	---
26	8.3	5.4	6.9	17.1	11.1	13.9	18.8	16.2	17.3	---	---	---
27	5.6	4.0	4.7	17.8	12.5	14.9	17.2	14.3	15.9	---	---	---
28	9.3	5.4	6.9	16.4	12.8	14.8	15.6	12.2	14.1	---	---	---
29	11.2	5.6	8.2	16.1	11.3	13.3	16.6	12.6	14.7	---	---	---
30	---	---	---	13.2	11.0	11.9	17.3	13.9	15.7	---	---	---
31	---	---	---	14.9	11.7	12.9	---	---	---	---	---	---
MONTH	13.0	4.0	7.9	17.8	7.3	12.2	19.6	8.6	14.6	---	---	---

0208762750 UNNAMED TRIB TO SWIFT CREEK NEAR YATES MILL POND, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.4	6.7	7.1	6.7	5.8	6.3	7.8	6.8	7.3	9.9	8.7	9.4
2	7.4	6.8	7.2	6.6	5.9	6.3	8.1	7.3	7.7	9.5	8.3	8.9
3	7.8	7.1	7.5	6.5	5.6	6.1	8.5	8.0	8.2	9.1	7.8	8.5
4	---	---	---	6.0	5.5	5.8	9.2	8.0	8.3	8.3	7.4	7.9
5	---	---	---	5.7	4.9	5.3	9.1	7.9	8.3	7.9	7.2	7.5
6	7.4	6.6	7.0	5.2	4.6	5.0	8.1	7.7	7.9	8.8	7.5	8.2
7	7.1	6.4	6.8	5.1	4.8	4.9	8.7	8.0	8.3	9.6	8.6	9.1
8	7.0	6.5	6.8	6.1	5.0	5.7	9.0	8.1	8.6	9.6	8.7	9.2
9	6.9	6.4	6.7	6.9	6.1	6.6	9.0	7.8	8.4	9.9	8.7	9.2
10	7.0	5.6	6.1	7.2	6.3	6.7	8.6	7.7	8.1	10.0	9.0	9.5
11	6.1	5.8	5.9	6.9	6.0	6.5	8.4	7.9	8.1	10.1	9.3	9.7
12	5.9	5.6	5.8	6.1	5.2	5.7	9.0	8.3	8.7	9.7	8.8	9.3
13	6.0	5.5	5.8	6.5	5.3	5.8	9.6	8.9	9.3	9.4	8.2	8.8
14	5.9	5.6	5.8	7.3	6.5	7.0	12.4	9.4	10.8	9.4	8.3	8.8
15	6.0	5.6	5.8	7.0	6.5	6.8	9.9	8.9	9.5	9.2	8.2	8.6
16	6.3	5.8	6.0	7.0	6.1	6.5	9.8	8.4	9.2	9.5	8.4	8.8
17	6.4	5.8	6.1	6.5	5.9	6.2	9.1	8.0	8.6	9.5	8.2	8.8
18	6.4	6.0	6.2	6.5	5.8	6.1	9.4	8.6	9.0	9.1	7.7	8.3
19	6.7	6.2	6.4	6.4	5.7	6.0	9.6	8.9	9.2	9.2	7.9	8.5
20	6.7	6.1	6.4	7.0	6.3	6.7	10.2	9.6	9.8	9.7	8.6	9.1
21	6.5	5.9	6.2	7.3	6.4	6.9	10.8	9.7	10.2	9.7	8.5	9.1
22	6.5	6.0	6.3	7.1	6.3	6.7	10.3	9.2	9.8	9.5	8.2	8.8
23	7.0	6.4	6.8	7.2	6.2	6.7	9.9	8.3	9.2	9.6	8.3	8.9
24	7.3	6.6	7.0	6.9	5.9	6.5	8.7	8.1	8.3	9.4	8.2	8.8
25	6.9	6.2	6.6	7.5	6.3	7.1	9.7	8.7	9.2	10.6	8.5	9.7
26	6.3	5.9	6.1	7.7	7.0	7.4	10.2	9.2	9.7	10.3	9.3	9.9
27	6.0	5.5	5.8	7.4	6.5	6.9	10.3	9.0	9.7	10.0	9.0	9.4
28	7.5	5.6	6.3	6.6	5.7	6.2	10.1	9.0	9.6	10.0	9.1	9.5
29	8.2	6.2	7.0	7.7	6.6	7.3	9.8	8.5	9.2	10.5	9.2	9.7
30	7.0	6.0	6.5	7.9	7.0	7.5	9.2	8.2	8.5	10.0	9.2	9.5
31	6.8	6.0	6.4	---	---	---	9.9	8.8	9.3	10.6	9.4	9.8
MONTH	---	---	---	7.9	4.6	6.4	12.4	6.8	8.9	10.6	7.2	9.0
		FEBRUARY			MARCH			APRIL			MAY	
1	10.6	9.5	9.9	8.9	7.2	8.2	9.0	7.9	8.4	7.3	6.7	7.0
2	10.5	9.1	9.7	8.0	6.9	7.4	9.3	8.1	8.5	7.2	6.8	7.0
3	10.7	9.0	9.5	8.0	6.5	7.2	9.5	7.9	8.7	7.5	6.9	7.3
4	10.1	9.0	9.5	7.8	6.2	6.9	9.2	8.1	8.5	7.8	7.0	7.4
5	10.2	9.0	9.6	7.6	6.0	6.7	9.8	8.0	9.0	7.7	6.8	7.3
6	9.4	8.0	8.8	7.1	6.0	6.4	9.5	7.7	8.7	7.4	6.3	7.0
7	9.3	8.2	8.9	7.9	6.4	7.0	9.3	7.3	8.3	7.3	6.3	6.8
8	9.7	9.1	9.4	8.4	7.2	7.7	8.8	7.0	7.9	7.0	6.2	6.6
9	10.0	9.0	9.5	8.9	7.6	8.2	8.8	6.8	7.7	7.2	6.1	6.6
10	9.5	8.6	9.0	9.0	7.9	8.3	8.8	6.9	7.7	7.2	6.1	6.6
11	9.4	8.5	8.9	9.3	7.3	8.3	8.5	7.0	7.5	---	---	---
12	10.9	8.8	9.7	8.9	7.2	8.0	8.4	7.2	8.0	---	---	---
13	9.7	8.7	9.3	9.4	7.6	8.3	7.9	7.1	7.5	---	---	---
14	9.3	8.8	9.0	9.4	7.2	8.3	8.2	7.2	7.7	7.3	6.2	6.7
15	10.6	8.8	9.3	8.3	7.1	7.6	8.4	7.2	7.8	6.9	5.7	6.5
16	10.8	9.6	10.1	8.5	6.9	7.6	8.4	7.0	7.7	7.1	5.8	6.4
17	10.4	9.7	10.0	8.6	8.0	8.2	8.2	6.7	7.5	7.2	5.8	6.4
18	10.3	9.2	9.7	8.9	8.2	8.5	8.1	6.2	7.1	7.0	5.7	6.5
19	9.9	8.6	9.3	8.7	7.6	8.2	7.9	6.1	6.8	7.3	6.0	6.6
20	9.6	8.3	9.0	9.1	7.3	8.2	7.9	5.8	6.7	7.0	6.3	6.6
21	8.8	8.2	8.4	8.4	7.3	7.8	7.3	5.5	6.5	6.8	6.0	6.5
22	9.6	8.4	8.9	9.6	8.3	8.8	7.4	6.0	6.5	6.8	5.9	6.4
23	9.7	8.5	9.0	10.1	8.4	9.2	7.1	5.5	6.2	6.6	6.0	6.3
24	8.7	7.2	8.2	10.0	8.0	9.0	7.4	5.9	6.3	---	---	---
25	9.1	7.4	8.2	9.3	7.4	8.4	7.4	5.8	6.5	---	---	---
26	10.0	8.1	9.0	8.8	7.2	8.0	7.0	5.7	6.3	---	---	---
27	11.4	9.4	10.5	8.5	6.9	7.7	7.0	6.3	6.6	---	---	---
28	10.0	9.1	9.5	8.6	7.1	7.7	7.7	6.7	7.1	---	---	---
29	9.9	7.9	8.9	9.1	7.4	8.2	7.7	6.4	7.1	---	---	---
30	---	---	---	9.4	7.8	8.5	7.6	6.6	7.1	---	---	---
31	---	---	---	8.8	7.5	8.2	---	---	---	---	---	---
MONTH	11.4	7.2	9.3	10.1	6.0	8.0	9.8	5.5	7.5	---	---	---

0208762750 UNNAMED TRIB TO SWIFT CREEK NEAR YATES MILL POND, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	75	69	72	66	59	62	70	63	67	87	78	81
2	75	69	72	66	60	62	72	65	68	87	75	80
3	77	70	73	65	57	62	75	69	71	84	73	77
4	---	---	---	61	57	59	78	69	72	81	71	75
5	---	---	---	58	52	56	78	69	72	80	70	74
6	75	68	71	56	50	53	73	68	70	81	71	75
7	74	67	71	54	51	52	75	69	72	81	73	76
8	73	68	71	60	52	57	77	70	73	81	73	76
9	72	68	70	65	59	62	77	69	73	81	73	76
10	74	58	64	66	60	63	80	70	73	82	74	76
11	64	60	62	65	58	62	76	72	73	80	74	76
12	63	59	61	61	53	57	78	74	76	82	73	77
13	64	58	61	61	54	57	83	77	80	81	71	75
14	63	59	61	67	60	64	98	80	89	81	71	74
15	61	57	59	66	62	63	83	78	81	81	70	74
16	62	57	60	67	60	63	83	75	79	82	69	74
17	64	59	61	65	60	62	79	73	76	81	70	74
18	65	60	63	66	59	62	81	75	78	76	69	72
19	66	62	63	66	59	61	83	77	80	80	68	72
20	67	61	64	67	62	65	86	81	83	80	70	73
21	66	61	64	69	62	66	88	82	85	80	70	74
22	65	62	63	67	62	65	86	80	83	80	68	73
23	69	63	66	68	61	64	84	76	81	80	69	73
24	69	63	67	66	59	63	79	75	77	82	69	74
25	68	62	65	70	61	66	84	77	80	81	70	75
26	64	60	62	71	65	68	85	80	82	80	73	76
27	62	57	60	69	63	66	86	78	82	82	72	75
28	73	57	63	63	57	61	86	78	82	83	72	76
29	78	62	68	70	62	66	85	76	80	85	72	77
30	67	60	64	71	64	67	82	75	78	85	74	78
31	67	60	63	---	---	---	86	78	81	86	75	79
MONTH	---	---	---	71	50	62	98	63	77	87	68	75
		FEBRUARY			MARCH			APRIL			MAY	
1	87	75	79	80	66	73	86	74	79	77	68	72
2	88	75	79	75	64	69	90	74	80	78	71	74
3	84	74	79	80	63	69	90	74	81	77	71	73
4	86	75	79	79	61	68	90	75	81	76	69	72
5	86	75	79	78	60	67	94	74	82	77	68	72
6	84	74	78	72	60	64	91	72	80	76	65	71
7	84	73	79	79	62	68	93	71	79	79	65	71
8	83	76	78	80	66	71	89	69	77	76	65	70
9	82	76	79	82	68	73	90	68	76	79	65	70
10	82	75	78	83	70	74	89	68	76	79	64	70
11	83	75	78	84	67	74	87	69	75	---	---	---
12	86	76	80	83	67	73	78	69	75	---	---	---
13	83	75	79	87	69	75	78	69	73	---	---	---
14	81	76	78	88	67	76	77	69	72	80	65	71
15	83	76	79	78	67	72	82	69	74	77	61	69
16	85	78	81	78	67	73	84	68	74	78	61	69
17	83	77	80	79	73	75	85	67	74	79	61	69
18	85	77	80	81	73	77	86	64	72	77	60	69
19	86	75	79	82	72	76	85	63	70	82	65	72
20	86	74	78	84	70	76	85	61	69	78	68	72
21	83	74	77	82	69	74	79	58	68	76	66	71
22	86	74	78	87	74	79	80	62	68	77	66	70
23	87	75	79	89	75	81	77	58	65	76	65	70
24	78	65	73	89	74	81	80	60	67	---	---	---
25	81	65	72	90	72	79	80	61	68	---	---	---
26	81	69	74	88	70	78	75	61	66	---	---	---
27	88	75	82	88	70	76	73	63	67	---	---	---
28	83	75	78	88	70	77	77	65	69	---	---	---
29	81	69	76	90	71	78	79	65	70	---	---	---
30	---	---	---	89	72	79	79	66	71	---	---	---
31	---	---	---	86	72	78	---	---	---	---	---	---
MONTH	88	65	78	90	60	74	94	58	73	---	---	---

02088000 MIDDLE CREEK NEAR CLAYTON, NC

LOCATION.--Lat 35°34'15", long 78°35'26", Johnston County, Hydrologic Unit 03020201, on left bank 800 ft downstream of bridge on State Highway 50, 0.5 mi upstream from Buffalo Branch, 3.7 mi downstream of Wake-Johnston County line, and 9.5 mi southwest of Clayton.

DRAINAGE AREA.--83.5 mi^2.

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for Oct. 1939, published in WSP 1303.

REVISED RECORDS.--WSP 952: 1940(M), 1941. WSP 1233: 1943(M), 1945, 1949. WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 184.53 ft above NGVD of 1929. Nov. 1-20, 1939, 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 10,000 ft^3/s, by logarithmic plotting; maximum gage height for period of record, 14.88 ft, from high-water mark in gage well. Minimum discharge for period of record, no flow, also occurred Oct. 12-13, 1954, and July 13-28, 1986. Minimum discharge for current water year also occurred several days in July and Aug.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	85	55	69	86	231	87	41	e49	56	37	566
2	47	68	52	66	71	159	90	94	36	43	50	140
3	44	60	49	70	116	134	75	489	27	37	73	98
4	42	55	49	67	263	116	69	573	38	33	54	e80
5	43	54	75	69	116	104	64	152	237	32	38	e68
6	39	57	94	78	100	98	59	98	92	29	278	e66
7	39	66	71	74	e239	104	57	70	51	25	96	105
8	41	83	62	62	e305	109	57	60	40	23	50	158
9	59	95	57	60	e123	103	56	51	35	21	31	360
10	66	77	75	72	91	97	54	47	34	20	25	332
11	64	65	356	69	80	94	70	42	35	32	21	106
12	63	61	424	64	126	87	93	40	33	35	20	78
13	55	59	146	71	330	81	224	50	39	36	70	69
14	49	52	248	70	176	77	206	49	35	42	113	65
15	59	47	486	63	155	79	126	40	32	35	578	122
16	67	47	255	61	231	141	93	36	30	42	1,150	120
17	54	50	160	58	210	244	78	34	64	25	444	120
18	46	52	187	72	160	170	67	32	76	23	117	511
19	45	71	137	108	130	208	61	30	59	32	344	781
20	42	284	114	79	109	175	58	32	37	26	490	350
21	39	205	100	65	95	119	51	40	29	20	113	116
22	38	100	92	63	85	101	49	30	25	18	129	88
23	36	78	88	60	75	90	45	29	24	24	132	74
24	35	70	119	57	72	86	43	61	23	33	77	66
25	34	64	114	56	68	81	40	50	28	24	60	61
26	34	59	90	63	64	80	38	31	63	20	51	58
27	37	56	81	63	175	78	80	25	68	19	45	57
28	46	56	77	66	433	75	77	23	45	18	41	80
29	277	61	74	77	359	71	52	e22	172	26	38	150
30	442	59	75	95	---	68	43	e24	132	45	464	94
31	141	---	75	104	---	73	---	e115	---	46	820	---
TOTAL	2,172	2,296	4,137	2,171	4,643	3,533	2,262	2,510	1,688	940	6,049	5,139
MEAN	70.1	76.5	133	70.0	160	114	75.4	81.0	56.3	30.3	195	171
MAX	442	284	486	108	433	244	224	573	237	56	1,150	781
MIN	34	47	49	56	64	68	38	22	23	18	20	57
CFSM	0.84	0.92	1.60	0.84	1.92	1.36	0.90	0.97	0.67	0.36	2.34	2.05
IN.	0.97	1.02	1.84	0.97	2.07	1.57	1.01	1.12	0.75	0.42	2.69	2.29

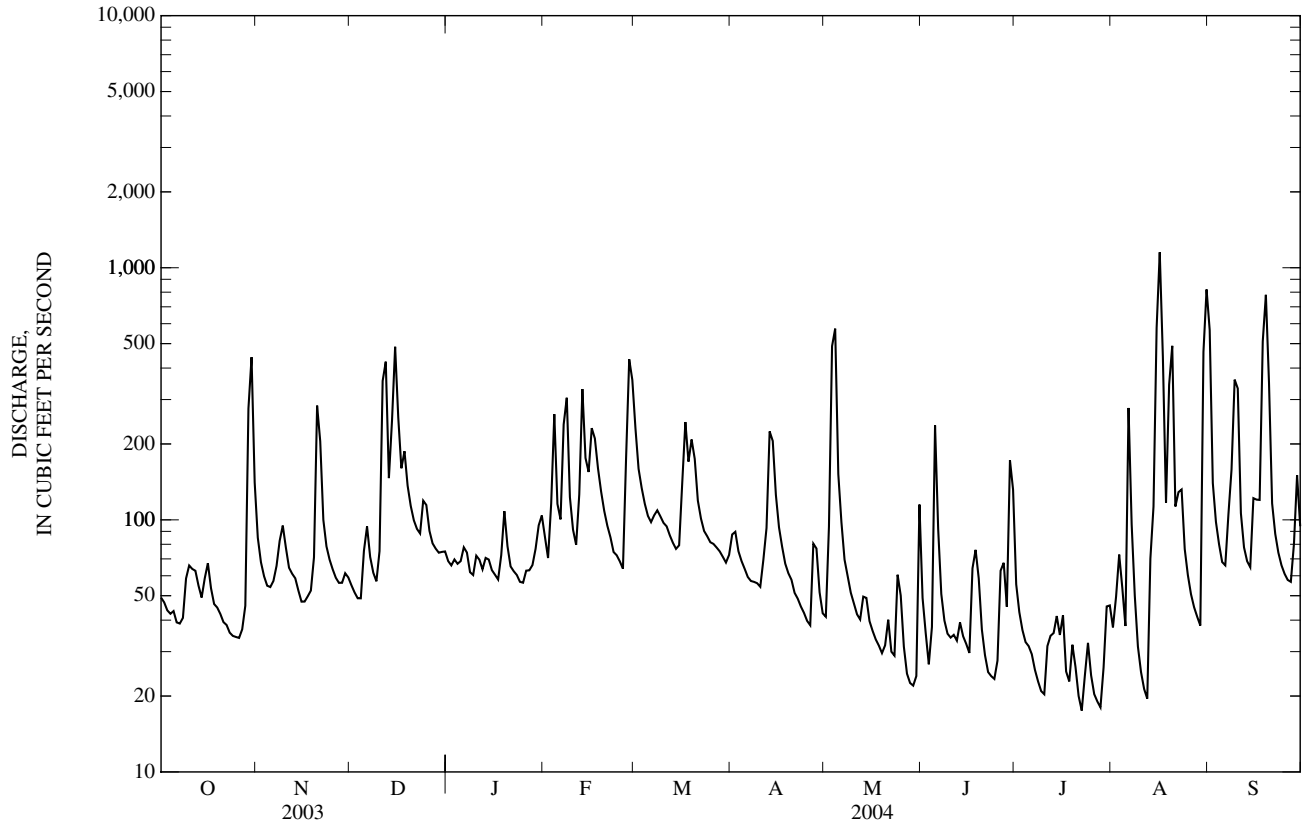
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2004, BY WATER YEAR (WY)

MEAN	53.4	65.2	86.0	138	166	171	117	71.0	54.0	60.4	64.0	64.6
MAX	275	230	254	378	450	439	319	330	203	472	340	601
(WY)	(1960)	(1996)	(1973)	(1998)	(1973)	(1998)	(1959)	(1958)	(1992)	(1965)	(1949)	(1999)
MIN	0.77	4.67	19.7	31.6	46.2	45.1	16.1	11.4	2.15	0.23	1.75	0.50
(WY)	(1987)	(1974)	(1952)	(1942)	(1941)	(1981)	(1986)	(1981)	(1986)	(1986)	(1983)	(1954)

02088000 MIDDLE CREEK NEAR CLAYTON, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1940 - 2004	
ANNUAL TOTAL	66,304		37,540			
ANNUAL MEAN	182		103		92.1	
HIGHEST ANNUAL MEAN					193	2003
LOWEST ANNUAL MEAN					30.0	1981
HIGHEST DAILY MEAN	1,740	Apr 11	1,150	Aug 16	6,260	Sep 6, 1996
LOWEST DAILY MEAN	34	Oct 25	18	Jul 22	0.00	Oct 11, 1954
ANNUAL SEVEN-DAY MINIMUM	36	Oct 21	22	Jul 22	0.00	Jul 13, 1986
MAXIMUM PEAK FLOW			1,470	Aug 16	11900*	Sep 6, 1996
MAXIMUM PEAK STAGE			8.82	Aug 16	14.88*	Sep 6, 1996
INSTANTANEOUS LOW FLOW			16*	Jul 22	0.00*	Oct 11, 1954
ANNUAL RUNOFF (CFSM)	2.18		1.23		1.10	
ANNUAL RUNOFF (INCHES)	29.54		16.72		14.99	
10 PERCENT EXCEEDS	404		209		200	
50 PERCENT EXCEEDS	95		66		47	
90 PERCENT EXCEEDS	48		32		7.9	

* See REMARKS.
e Estimated.



02088090 BLACK CREEK NEAR FOUR OAKS, NC

LOCATION.--Lat 35°28'09", long 78°27'25", Johnston County, Hydrologic Unit 03020201, at bridge on Secondary Road 1162, 2.2 mi nowthwest of Four Oaks, and 5.0 mi above the mouth.

DRAINAGE AREA.--79 mi^2.

PERIOD OF RECORD.--December 2003 to September 2004.

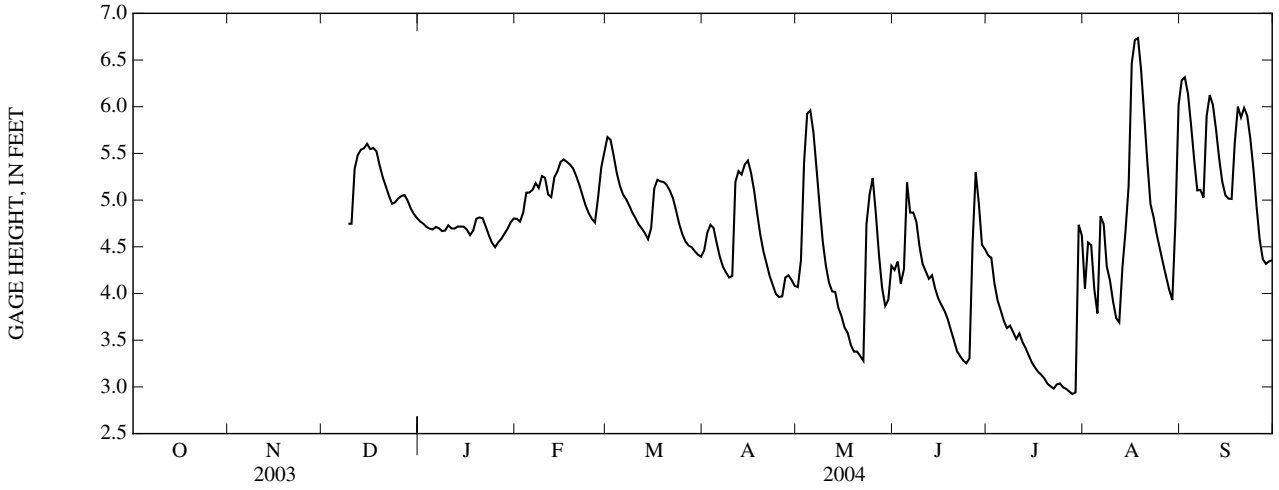
GAGE.--Water-stage recorder. Datum of gage is 120 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum, 6.79 ft, Aug. 18, 2004; minimum, 2.88 ft, July 29, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum, 6.79 ft, Aug. 18; minimum, 2.88 ft, July 29.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	4.77	4.80	5.68	4.46	4.07	4.25	4.41	4.05	6.28
2	---	---	---	4.75	4.77	5.64	4.65	4.35	4.34	4.38	4.55	6.32
3	---	---	---	4.71	4.87	5.47	4.74	5.40	4.11	4.11	4.52	6.14
4	---	---	---	4.70	5.08	5.29	4.70	5.93	4.26	3.93	4.05	5.80
5	---	---	---	4.69	5.08	5.15	4.54	5.96	5.19	3.82	3.79	5.44
6	---	---	---	4.71	5.11	5.06	4.39	5.73	4.87	3.71	4.83	5.10
7	---	---	---	4.70	5.18	5.01	4.29	5.34	4.87	3.63	4.74	5.11
8	---	---	---	4.67	5.13	4.94	4.22	4.93	4.77	3.66	4.29	5.03
9	---	---	4.75	4.67	5.26	4.87	4.17	4.55	4.50	3.59	4.14	5.90
10	---	---	4.75	4.73	5.24	4.81	4.19	4.30	4.32	3.51	3.92	6.12
11	---	---	5.34	4.70	5.06	4.74	5.19	4.12	4.24	3.57	3.74	6.02
12	---	---	5.48	4.70	5.03	4.70	5.31	4.02	4.16	3.48	3.69	5.76
13	---	---	5.54	4.72	5.25	4.65	5.27	4.02	4.20	3.42	4.27	5.45
14	---	---	5.56	4.72	5.31	4.58	5.38	3.85	4.05	3.34	4.67	5.20
15	---	---	5.60	4.72	5.41	4.70	5.42	3.76	3.95	3.26	5.15	5.05
16	---	---	5.55	4.68	5.43	5.12	5.29	3.63	3.88	3.21	6.46	5.02
17	---	---	5.56	4.62	5.41	5.22	5.10	3.58	3.81	3.16	6.71	5.01
18	---	---	5.52	4.68	5.38	5.20	4.85	3.45	3.73	3.13	6.73	5.61
19	---	---	5.37	4.80	5.34	5.19	4.63	3.38	3.61	3.09	6.39	6.00
20	---	---	5.25	4.81	5.26	5.16	4.45	3.38	3.50	3.03	5.91	5.89
21	---	---	5.15	4.81	5.16	5.10	4.32	3.33	3.38	3.01	5.40	5.99
22	---	---	5.05	4.72	5.05	5.02	4.19	3.28	3.33	2.98	4.96	5.90
23	---	---	4.96	4.62	4.94	4.89	4.09	4.74	3.28	3.03	4.82	5.66
24	---	---	4.98	4.54	4.86	4.74	3.99	5.06	3.25	3.04	4.63	5.33
25	---	---	5.02	4.49	4.80	4.64	3.96	5.23	3.31	3.00	4.48	4.93
26	---	---	5.04	4.55	4.76	4.56	3.97	4.86	4.54	2.98	4.33	4.57
27	---	---	5.05	4.58	5.03	4.51	4.17	4.41	5.30	2.95	4.18	4.37
28	---	---	4.99	4.64	5.35	4.50	4.20	4.06	4.96	2.92	4.04	4.32
29	---	---	4.91	4.69	5.51	4.45	4.14	3.87	4.52	2.94	3.93	4.34
30	---	---	4.85	4.76	---	4.42	4.08	3.93	4.47	4.74	4.78	4.36
31	---	---	4.81	4.80	---	4.40	---	4.30	---	4.62	6.02	---
MEAN	---	---	---	4.69	5.13	4.92	4.54	4.35	4.17	3.47	4.78	5.40
MAX	---	---	---	4.81	5.51	5.68	5.42	5.96	5.30	4.74	6.73	6.32
MIN	---	---	---	4.49	4.76	4.40	3.96	3.28	3.25	2.92	3.69	4.32



02088270 MILLS CREEK AT COX MILL, NC

LOCATION.--Lat 35°20'30", long 78°12'59", Johnston County, Hydrologic Unit 03020201, at bridge on Secondary Road 1200, 1 mi nowthwest of Cox Mill.

DRAINAGE AREA.--168 mi^2.

PERIOD OF RECORD.--September 2003 to September 2004.

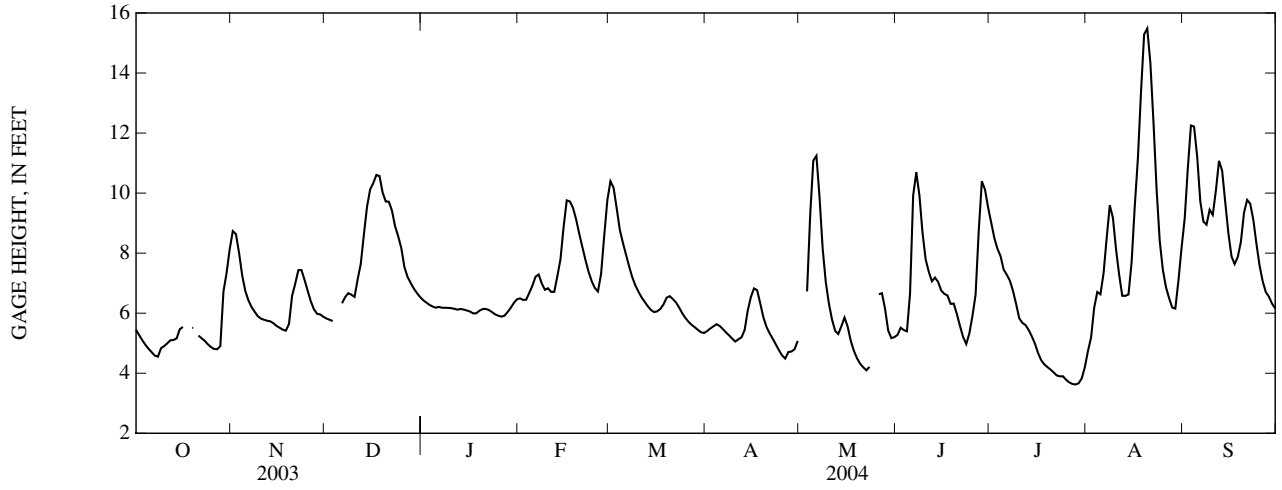
GAGE.--Water-stage recorder. Datum of gage is 80 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum, 15.67 ft, Aug. 20, 2004; minimum, 3.61 ft, July 27, 28, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum, 15.67 ft, Aug. 20; minimum, 3.61 ft, July 27, 28.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.44	8.74	5.82	6.43	6.50	10.39	5.41	---	5.28	9.02	4.74	9.15
2	5.27	8.63	5.78	6.35	6.44	10.18	5.49	---	5.52	8.51	5.19	10.82
3	5.10	8.01	5.74	6.28	6.45	9.49	5.56	6.73	5.44	8.15	6.18	12.25
4	4.95	7.26	---	6.22	6.68	8.78	5.63	9.27	5.40	7.90	6.71	12.22
5	4.82	6.74	---	6.18	6.92	8.34	5.58	11.08	6.66	7.45	6.63	11.22
6	4.70	6.43	6.33	6.21	7.22	7.95	5.47	11.24	9.93	7.28	7.32	9.73
7	4.59	6.21	6.54	6.18	7.29	7.55	5.36	9.85	10.69	7.08	8.50	9.05
8	4.55	6.05	6.67	6.18	6.99	7.19	5.26	8.15	9.93	6.73	9.60	8.95
9	4.83	5.90	6.62	6.18	6.78	6.92	5.15	7.04	8.67	6.30	9.18	9.45
10	4.90	5.82	6.54	6.17	6.83	6.71	5.05	6.32	7.79	5.83	8.13	9.28
11	4.99	5.78	7.13	6.15	6.71	6.52	5.13	5.79	7.38	5.68	7.28	10.09
12	5.10	5.75	7.64	6.12	6.71	6.37	5.19	5.41	7.06	5.60	6.58	11.08
13	5.11	5.73	8.62	6.14	7.24	6.23	5.44	5.31	7.19	5.44	6.58	10.75
14	5.16	5.67	9.54	6.12	7.80	6.10	6.09	5.57	7.04	5.23	6.62	9.69
15	5.46	5.58	10.12	6.09	8.88	6.04	6.54	5.85	6.75	4.99	7.71	8.66
16	5.54	5.52	10.33	6.06	9.76	6.06	6.82	5.56	6.64	4.68	9.55	7.89
17	---	5.45	10.60	5.99	9.72	6.14	6.77	5.08	6.59	4.44	11.14	7.63
18	---	5.42	10.57	6.00	9.51	6.29	6.33	4.75	6.31	4.30	13.37	7.87
19	5.51	5.64	10.02	6.08	9.13	6.52	5.87	4.50	6.32	4.21	15.29	8.37
20	---	6.58	9.72	6.13	8.65	6.57	5.55	4.32	5.97	4.12	15.48	9.35
21	5.25	6.98	9.71	6.14	8.21	6.47	5.33	4.20	5.58	4.03	14.34	9.77
22	5.16	7.43	9.42	6.11	7.77	6.36	5.15	4.10	5.21	3.93	12.36	9.65
23	5.08	7.44	8.89	6.04	7.38	6.19	4.96	4.21	4.97	3.90	10.12	9.10
24	4.96	7.11	8.56	5.96	7.07	6.00	4.77	---	5.33	3.90	8.40	8.30
25	4.87	6.75	8.16	5.92	6.84	5.84	4.59	---	5.91	3.78	7.45	7.58
26	4.81	6.39	7.53	5.89	6.72	5.72	4.49	6.63	6.62	3.70	6.87	7.06
27	4.80	6.13	7.20	5.91	7.30	5.61	4.71	6.67	8.73	3.64	6.50	6.70
28	4.90	5.98	7.01	6.03	8.58	5.53	4.72	6.14	10.39	3.63	6.19	6.55
29	6.71	5.96	6.82	6.17	9.76	5.45	4.80	5.42	10.13	3.66	6.15	6.32
30	7.33	5.88	6.67	6.33	---	5.37	5.08	5.17	9.52	3.82	7.09	6.16
31	8.13	---	6.54	6.46	---	5.34	---	5.20	---	4.20	8.18	---
MEAN	---	6.43	---	6.14	7.65	6.78	5.41	---	7.17	5.33	8.56	9.02
MAX	---	8.74	---	6.46	9.76	10.39	6.82	---	10.69	9.02	15.48	12.25
MIN	---	5.42	---	5.89	6.44	5.34	4.49	---	4.97	3.63	4.74	6.16



02088500 LITTLE RIVER NEAR PRINCETON, NC

LOCATION.--Lat 35°30'41", long 78°09'37", Johnston County, Hydrologic Unit 03020201, on left bank 600 ft downstream of bridge on Secondary Road 2320, 0.8 mi upstream from Little Creek, and 3 mi north of Princeton.

DRAINAGE AREA.--232 mi^2.

PERIOD OF RECORD.--February 1930 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORD.--WSP 1233: 1935(M). WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 107.75 ft above NGVD of 1929. Prior to Nov. 17, 1934, nonrecording gage at same site and datum. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Slight fluctuation and occasional regulation for short periods is caused by mills upstream from station. Maximum discharge for period of record, from rating curve extended above 9,000 ft^3/s, by logarithmic plotting. Minimum discharge for period of record occurred several days in Aug. 2002, due to regulation from unknown source. Minimum discharge for current water year also occurred July 23.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	431	149	176	249	561	135	85	25	127	24	1,410
2	65	346	119	165	207	476	156	238	24	95	24	1,250
3	58	245	102	159	235	400	167	1,070	24	67	33	869
4	55	170	98	157	461	335	164	1,260	462	54	62	611
5	54	133	210	159	449	287	153	821	979	46	77	382
6	51	116	311	186	371	255	127	538	331	48	268	230
7	50	129	254	186	464	251	112	361	139	54	241	178
8	53	149	199	162	590	242	105	222	141	45	82	177
9	61	151	171	155	514	236	97	154	88	35	51	535
10	64	130	173	166	452	220	92	118	60	72	36	901
11	71	117	603	159	360	190	130	96	54	369	28	688
12	74	112	755	150	368	166	179	84	54	109	23	456
13	74	105	647	151	602	148	291	88	58	65	59	327
14	73	93	775	151	585	132	564	76	51	70	97	231
15	83	82	1,080	146	533	145	483	65	43	72	328	198
16	84	76	943	134	616	340	378	57	39	61	1,010	185
17	83	73	773	123	635	554	288	51	40	47	832	168
18	75	71	711	131	584	574	211	44	39	39	735	374
19	69	114	623	184	539	556	165	42	35	33	698	559
20	64	491	507	186	453	547	136	39	31	28	614	473
21	59	587	412	159	382	442	116	38	30	24	400	362
22	55	462	343	151	324	346	101	36	29	20	225	321
23	51	370	300	139	271	260	89	36	27	32	165	256
24	48	275	342	131	232	208	79	40	26	33	201	172
25	45	206	374	124	215	179	73	40	25	25	144	130
26	43	157	331	134	199	162	68	35	201	28	109	99
27	44	134	287	146	307	154	81	34	134	26	90	83
28	50	123	253	162	559	148	102	32	82	23	76	73
29	414	143	229	182	601	142	98	29	246	47	80	81
30	678	160	215	221	---	129	87	27	158	50	550	81
31	570	---	195	270	---	124	---	25	---	31	1,350	---
TOTAL	3,392	5,951	12,484	5,005	12,357	8,909	5,027	5,881	3,675	1,875	8,712	11,860
MEAN	109	198	403	161	426	287	168	190	122	60.5	281	395
MAX	678	587	1,080	270	635	574	564	1,260	979	369	1,350	1,410
MIN	43	71	98	123	199	124	68	25	24	20	23	73
CFSM	0.47	0.86	1.74	0.70	1.84	1.24	0.72	0.82	0.53	0.26	1.21	1.70
IN.	0.54	0.95	2.00	0.80	1.98	1.43	0.81	0.94	0.59	0.30	1.40	1.90

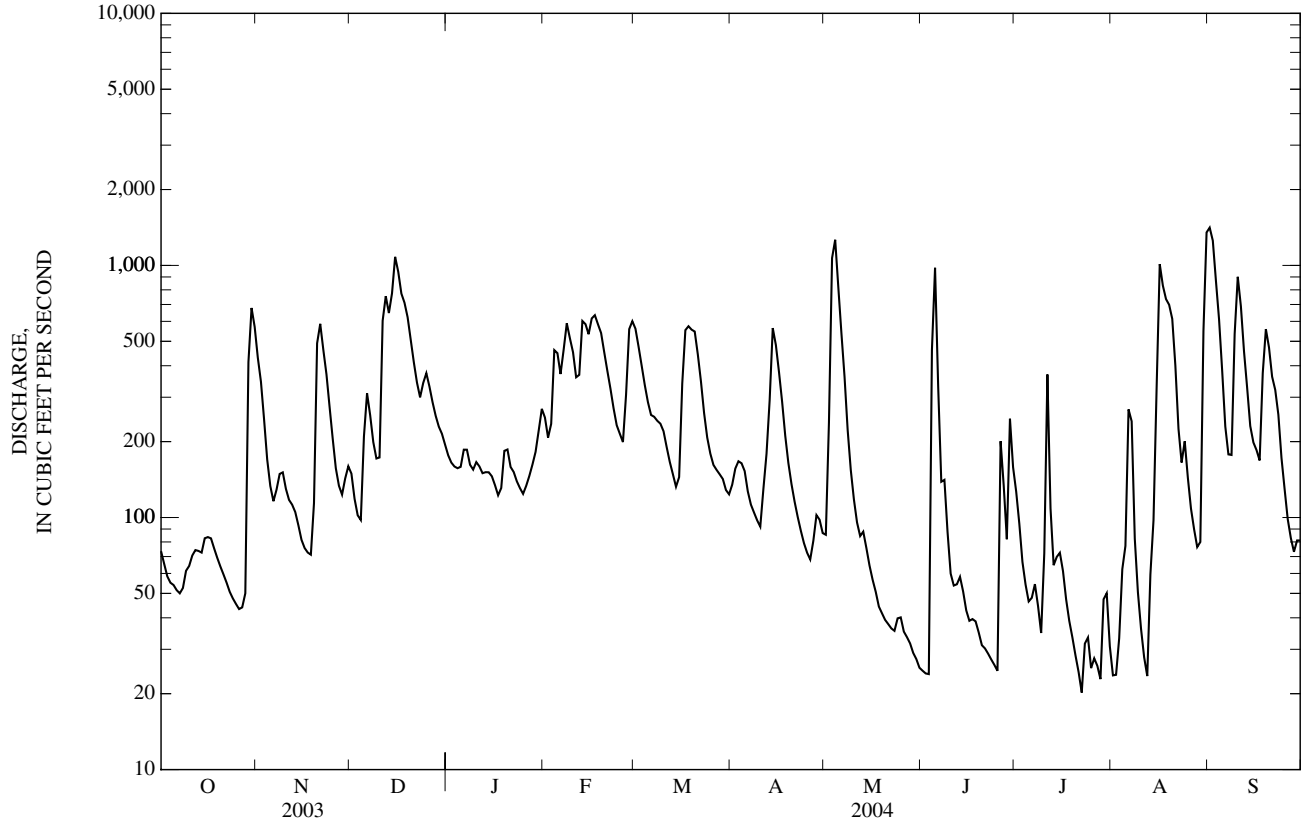
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2004, BY WATER YEAR (WY)

MEAN	144	148	232	387	471	479	325	184	149	173	186	184
MAX	1,202	645	717	999	1,285	1,204	969	835	698	826	783	2,861
(WY)	(1965)	(1948)	(1937)	(1954)	(1948)	(1989)	(1959)	(1989)	(1995)	(1959)	(1931)	(1999)
MIN	6.00	13.0	16.0	24.1	49.6	120	53.3	17.3	7.24	12.4	4.10	2.84
(WY)	(1934)	(1934)	(1934)	(1934)	(1934)	(1981)	(1986)	(1986)	(2002)	(1999)	(1993)	(1980)

02088500 LITTLE RIVER NEAR PRINCETON, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1930 - 2004	
ANNUAL TOTAL	146,008		85,128			
ANNUAL MEAN	400		233		255	
HIGHEST ANNUAL MEAN					511	1960
LOWEST ANNUAL MEAN					91.8	1951
HIGHEST DAILY MEAN	3,650	Aug 13	1,410	Sep 1	17,600	Sep 17, 1999
LOWEST DAILY MEAN	42	Jul 29	20	Jul 22	0.00	Aug 12, 2002
ANNUAL SEVEN-DAY MINIMUM	48	Oct 22	27	May 28	0.02	Aug 11, 2002
MAXIMUM PEAK FLOW			1,560	Jun 4	20700*	Sep 17, 1999
MAXIMUM PEAK STAGE			8.88	Jun 4	16.58	Sep 17, 1999
INSTANTANEOUS LOW FLOW			18*	Jul 22	0.00*	Aug 12, 2002
ANNUAL RUNOFF (CFSM)	1.72		1.00		1.10	
ANNUAL RUNOFF (INCHES)	23.41		13.65		14.93	
10 PERCENT EXCEEDS	882		566		632	
50 PERCENT EXCEEDS	229		150		119	
90 PERCENT EXCEEDS	69		37		20	

* See REMARKS.



02089000 NEUSE RIVER NEAR GOLDSBORO, NC

LOCATION.--Lat 35°20'15", long 77°59'51", Wayne County, Hydrologic Unit 03020202, on left bank at downstream side of bridge on Secondary Road 1915, 0.2 mi upstream from Stony Creek, 1.5 mi downstream of Seaboard Coast Line Railroad bridge, 3.2 mi south of Wayne County courthouse in Goldsboro, 4.3 mi downstream of Little River, and 135 mi upstream from mouth.

DRAINAGE AREA.--2,399 mi^2.

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

REVISED RECORDS.--WSP 1333: 1931, 1935. WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 42.95 ft above NGVD of 1929. Prior to July 24, 1931, nonrecording gage at railroad bridge 1.5 mi upstream at 44.95 ft. July 24, 1931, to Aug. 31, 1948, water-stage recorder at site 2.3 mi upstream at 44.66 ft. National Weather Service telephone telemetry at station. Satellite telemetry at station.

REMARKS.--No estimated discharges. Records good. Flow regulated by Falls Lake (station 02087182). Prior to regulation, maximum discharge: 30,700 ft^3/s, Sept. 27, 1945; gage height: 26.72 ft at site and datum then in use; minimum discharge: 76 ft^3/s, Sept. 26, 1968. Minimum discharge during regulation also occurred Oct. 3, 1985.

EXTREMES OUTSIDE PERIOD OF RECORD.--Floods of June 1866 and July 1919, reached stages of about 29 and 28 ft, respectively, at site 2.3 mi upstream at present datum, from flood profiles of U.S. Army Corps of Engineers. Flood of Oct. 5, 1929, reached a stage of 27.3 ft at railroad bridge at present datum; discharge, 38,600 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,090	4,020	1,340	1,900	1,910	4,400	1,290	1,380	792	2,740	1,700	4,570
2	1,970	3,200	1,280	1,830	1,880	4,400	1,330	1,440	972	2,210	1,650	5,960
3	1,650	2,450	1,220	1,770	1,820	4,010	1,510	2,500	890	1,660	1,610	6,610
4	1,250	1,990	1,200	1,770	1,940	3,450	1,570	4,440	869	1,420	1,840	6,930
5	1,040	1,680	1,320	1,860	2,670	3,010	1,660	5,700	1,730	1,400	1,980	6,790
6	879	1,510	1,540	1,880	2,820	2,710	1,840	6,330	4,140	1,280	1,740	5,840
7	776	1,420	1,880	1,850	2,520	2,480	1,670	5,770	5,040	1,120	2,150	4,570
8	756	1,410	1,830	1,840	2,740	2,350	1,280	3,750	3,460	1,040	2,870	3,950
9	819	1,490	1,680	1,720	3,350	2,260	1,150	2,340	2,260	937	2,580	4,080
10	868	1,470	1,630	1,640	3,110	2,170	1,130	1,730	1,860	780	1,740	4,710
11	994	1,420	2,250	1,650	2,770	2,060	1,260	1,420	1,840	784	1,250	5,170
12	1,030	1,320	3,240	1,670	3,240	1,940	1,360	1,230	1,520	1,410	990	5,480
13	1,010	1,260	4,250	1,620	3,830	1,800	1,700	1,140	1,500	1,340	1,010	5,380
14	1,000	1,200	4,920	1,610	4,330	1,620	2,390	1,090	1,390	1,020	1,560	4,760
15	1,030	1,120	5,570	1,600	4,840	1,520	3,180	1,070	1,170	1,090	3,090	3,900
16	1,050	1,060	5,970	1,560	5,180	1,540	3,120	983	1,230	890	4,620	3,040
17	1,140	1,020	6,370	1,480	5,300	2,310	2,660	837	1,450	744	5,440	2,550
18	1,090	1,000	6,540	1,430	5,240	3,230	2,520	756	1,320	636	6,120	2,400
19	1,010	1,110	6,350	1,460	5,000	3,490	2,320	694	1,410	551	6,760	3,120
20	1,090	1,590	6,030	1,680	4,650	3,300	2,120	668	1,180	590	7,370	4,040
21	1,240	2,460	5,720	1,730	4,210	3,090	1,960	645	955	705	7,700	4,230
22	969	3,060	5,480	1,610	3,630	2,670	1,840	704	776	614	7,570	3,860
23	804	2,680	5,240	1,510	3,040	2,260	1,750	689	778	582	6,510	3,360
24	737	2,170	5,080	1,460	2,730	1,950	1,620	969	1,550	580	5,060	2,800
25	703	1,830	4,890	1,420	2,540	1,730	1,280	1,070	1,180	1,230	3,970	2,420
26	687	1,600	3,960	1,420	2,380	1,620	1,140	1,090	1,360	968	2,970	2,130
27	686	1,440	2,860	1,440	2,460	1,540	1,260	1,040	2,370	729	1,940	1,900
28	713	1,340	2,420	1,510	3,020	1,490	1,330	889	2,890	821	1,410	1,860
29	1,730	1,280	2,210	1,590	3,900	1,430	1,570	746	2,840	732	1,210	1,770
30	2,940	1,290	2,090	1,680	---	1,370	1,440	674	2,470	592	1,450	1,490
31	4,060	---	1,990	1,810	---	1,340	---	677	---	935	2,680	---
TOTAL	37,811	51,890	108,350	51,000	97,050	74,540	52,250	54,461	53,192	32,130	100,540	119,670
MEAN	1,220	1,730	3,495	1,645	3,347	2,405	1,742	1,757	1,773	1,036	3,243	3,989
MAX	4,060	4,020	6,540	1,900	5,300	4,400	3,180	6,330	5,040	2,740	7,700	6,930
MIN	686	1,000	1,200	1,420	1,820	1,340	1,130	645	776	551	990	1,490

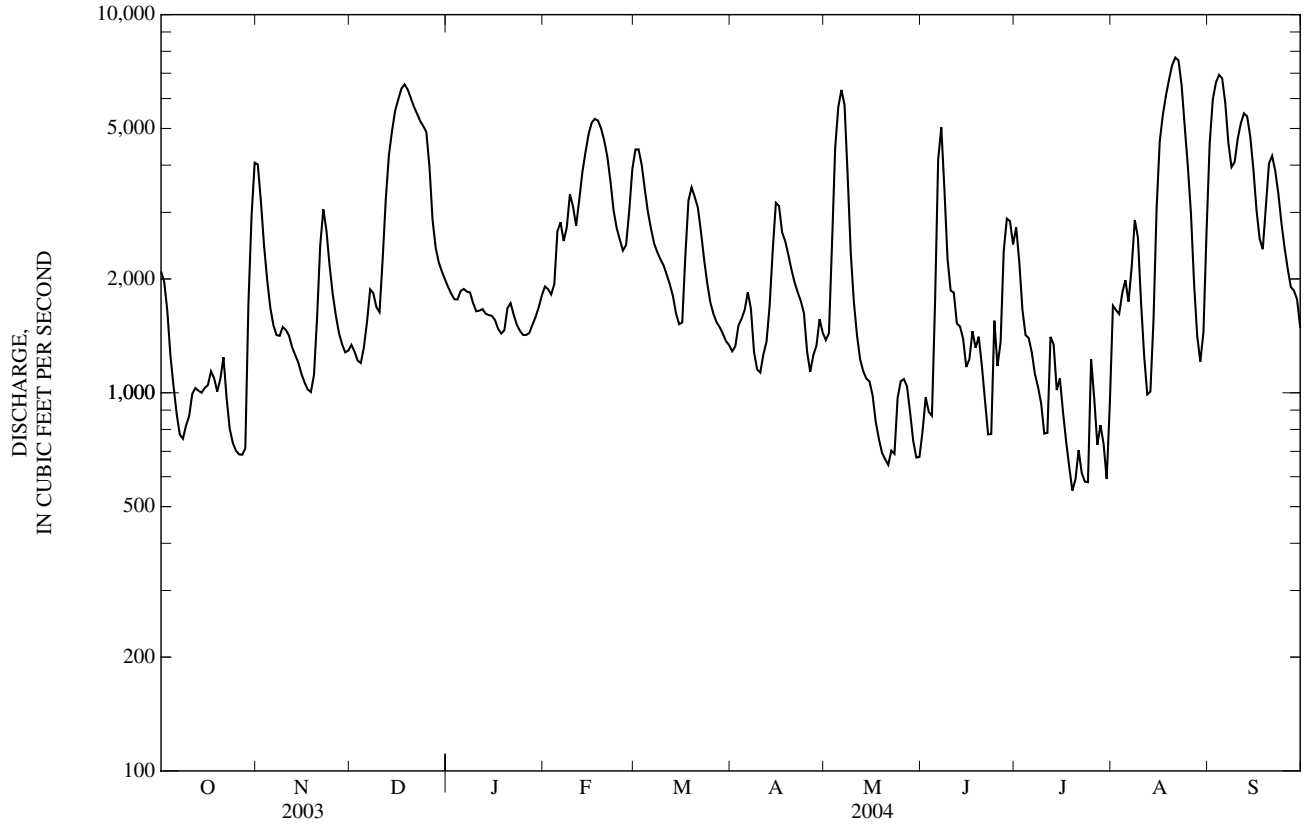
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2004,* BY WATER YEAR (WY)

MEAN	1,853	1,519	2,096	3,280	4,143	5,022	3,919	2,005	1,573	1,443	1,669	2,313
MAX	11,750	5,287	4,546	6,644	12,080	11,400	7,850	7,276	5,530	4,668	4,761	14,650
(WY)	(2000)	(1996)	(1997)	(1993)	(1998)	(1998)	(1989)	(1989)	(1995)	(1989)	(2003)	(1999)
MIN	310	326	615	884	1,374	1,286	631	433	342	394	264	246
(WY)	(1984)	(1988)	(2002)	(1986)	(2001)	(2002)	(1986)	(1986)	(1986)	(1987)	(1983)	(1985)

02089000 NEUSE RIVER NEAR GOLDSBORO, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1983 - 2004*	
ANNUAL TOTAL	1,399,873		832,884			
ANNUAL MEAN	3,835		2,276		2,648	
HIGHEST ANNUAL MEAN					4,018	2003
LOWEST ANNUAL MEAN					1,040	2002
HIGHEST DAILY MEAN	12,000	Apr 15	7,700	Aug 21	38,200	Sep 20, 1999
LOWEST DAILY MEAN	686	Oct 27	551	Jul 19	162	Sep 10, 1983
ANNUAL SEVEN-DAY MINIMUM	757	Oct 22	608	Jul 18	172	Sep 15, 1985
MAXIMUM PEAK FLOW			7,760	Aug 22	38,500	Sep 20, 1999
MAXIMUM PEAK STAGE			16.26	Aug 22	28.85	Sep 20, 1999
INSTANTANEOUS LOW FLOW			512	Jul 24	157*	Sep 19, 1985
10 PERCENT EXCEEDS	7,260		4,860		6,720	
50 PERCENT EXCEEDS	3,230		1,690		1,440	
90 PERCENT EXCEEDS	1,110		859		412	

* Regulated period only (1983-2004). See REMARKS.



0208925200 BEAR CREEK AT MAYS STORE, NC

LOCATION.--Lat 35°16'29", long 77°47'40", Lenoir County, Hydrologic Unit 03020202, at downstream side of bridge on Secondary Road 1326, 0.7 mi west of Mays Store, and 1.0 mi downstream of Secondary Road 1002.

DRAINAGE AREA.--57.7 mi^2.

PERIOD OF RECORD.--October 1987 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 50 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Maximum discharge for period of record from rating extension above 3,000 ft^3/s on basis of slope conveyance of peak flow. Maximum gage height for period of record from floodmark.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	179	47	64	53	121	35	68	25	243	22	87
2	39	141	51	61	50	104	34	168	22	142	27	246
3	e37	112	46	59	58	89	32	547	20	106	45	164
4	36	90	46	58	68	79	31	576	23	84	32	118
5	35	82	72	57	61	70	29	379	62	67	25	90
6	34	84	75	68	58	65	28	290	40	53	27	71
7	33	96	64	63	60	61	28	227	37	45	26	58
8	36	86	58	57	54	55	27	186	37	47	23	74
9	73	76	54	57	49	50	27	149	38	97	20	168
10	82	68	61	60	47	47	27	118	49	81	19	135
11	74	63	299	55	45	45	46	92	76	62	17	99
12	64	61	215	54	62	43	67	79	61	62	19	77
13	55	64	172	56	98	42	174	69	47	49	37	61
14	52	62	341	54	88	40	259	54	37	40	143	53
15	63	60	449	53	111	41	154	46	32	33	499	52
16	57	56	320	50	134	44	114	40	29	28	398	48
17	52	54	298	47	e124	45	85	37	45	25	242	47
18	47	52	299	52	e135	43	66	33	39	24	167	98
19	44	62	241	54	e115	42	55	31	40	24	125	91
20	41	146	202	50	100	39	47	41	32	22	94	76
21	40	128	166	47	88	38	41	32	27	21	68	61
22	39	120	145	46	76	36	36	30	25	19	71	49
23	37	92	131	45	68	35	33	34	38	25	62	43
24	37	82	129	44	65	34	30	48	379	27	52	39
25	37	71	120	45	63	33	28	34	158	24	44	36
26	36	63	102	47	62	32	29	29	109	22	39	34
27	36	55	91	49	130	32	73	26	96	21	43	33
28	40	53	82	57	183	33	61	24	84	19	38	34
29	356	52	77	60	145	32	47	22	102	20	39	33
30	389	49	73	61	---	31	39	24	73	19	67	31
31	245	---	68	58	---	33	---	29	---	18	72	---
TOTAL	2,288	2,459	4,594	1,688	2,450	1,534	1,782	3,562	1,882	1,569	2,602	2,306
MEAN	73.8	82.0	148	54.5	84.5	49.5	59.4	115	62.7	50.6	83.9	76.9
MAX	389	179	449	68	183	121	259	576	379	243	499	246
MIN	33	49	46	44	45	31	27	22	20	18	17	31
CFSM	1.28	1.42	2.57	0.94	1.46	0.86	1.03	1.99	1.09	0.88	1.45	1.33
IN.	1.48	1.59	2.96	1.09	1.58	0.99	1.15	2.30	1.21	1.01	1.68	1.49

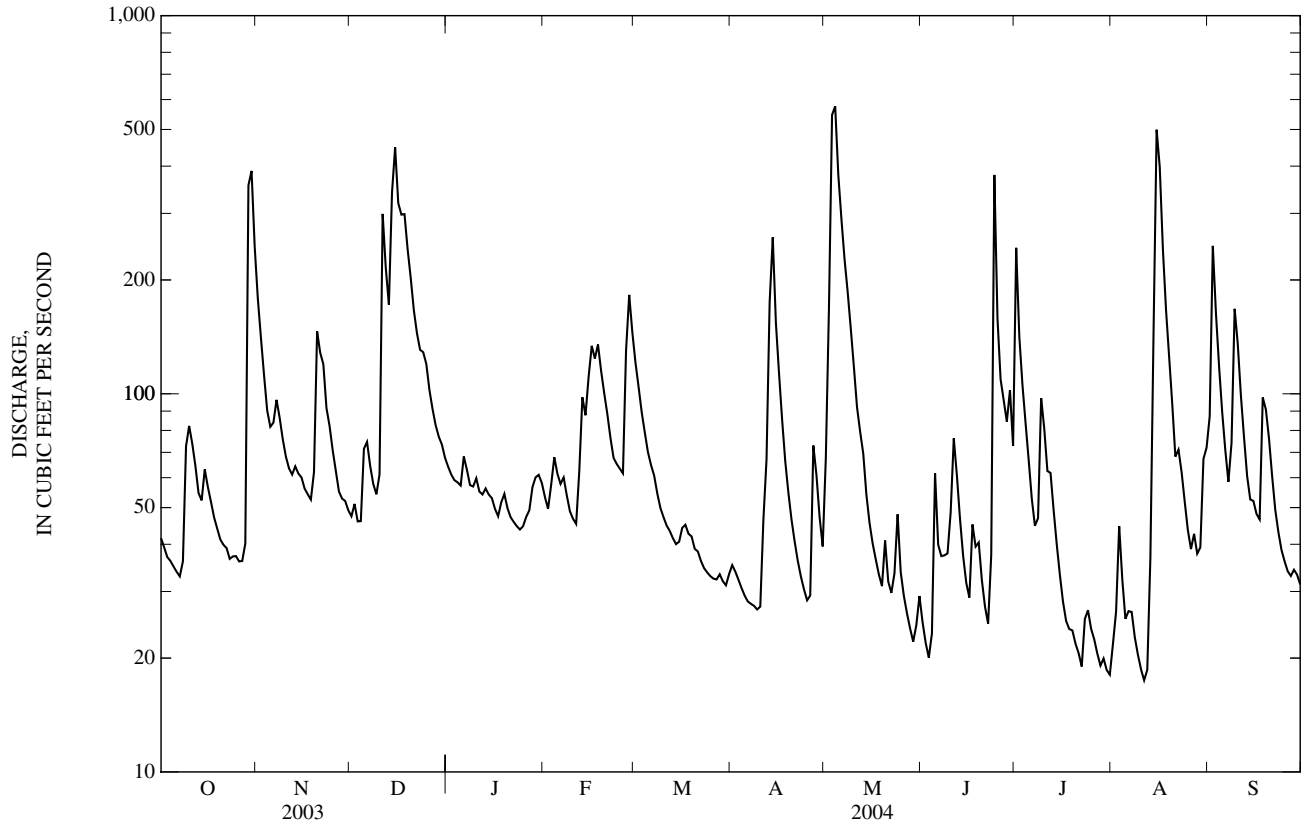
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	62.6	49.3	59.0	94.2	87.3	99.7	76.7	63.5	58.0	48.8	63.9	135
MAX	316	119	148	266	306	230	204	216	201	156	231	1,401
(WY)	(2000)	(1993)	(2004)	(1993)	(1998)	(1998)	(1998)	(1989)	(1995)	(2003)	(1992)	(1999)
MIN	17.2	15.8	21.5	29.0	40.1	35.3	26.5	19.8	13.2	12.5	12.8	17.6
(WY)	(1995)	(1995)	(1995)	(1995)	(2001)	(1988)	(1995)	(1994)	(1994)	(1993)	(1993)	(1994)

0208925200 BEAR CREEK AT MAYS STORE, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL TOTAL	39,213		28,712			
ANNUAL MEAN	107		78.4		74.7	
HIGHEST ANNUAL MEAN					169	1999
LOWEST ANNUAL MEAN					31.7	1988
HIGHEST DAILY MEAN	592	May 27	576	May 4	8,000	Sep 16, 1999
LOWEST DAILY MEAN	26	Jan 28	17	Aug 11	8.4	Aug 18, 1997
ANNUAL SEVEN-DAY MINIMUM	27	Jan 24	20	Jul 26	9.2	Aug 12, 1997
MAXIMUM PEAK FLOW			699	May 4	11000*	Sep 16, 1999
MAXIMUM PEAK STAGE			8.46	May 4	16.04*	Sep 16, 1999
INSTANTANEOUS LOW FLOW			16	Aug 12	7.7	Aug 18, 1997
ANNUAL RUNOFF (CFSM)	1.86		1.36		1.29	
ANNUAL RUNOFF (INCHES)	25.28		18.51		17.59	
10 PERCENT EXCEEDS	236		150		145	
50 PERCENT EXCEEDS	72		54		41	
90 PERCENT EXCEEDS	32		27		18	

* See REMARKS.
e Estimated.



02089500 NEUSE RIVER AT KINSTON, NC

LOCATION.--Lat 35°15'28", long 77°35'08", Lenoir County, Hydrologic Unit 03020202, on left bank at Kinston, 600 ft downstream of bridge on State Highway 11, and 90 mi upstream from mouth.

DRAINAGE AREA.--2,692 mi^2.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 10.90 ft above NGVD of 1929. Prior to Nov. 25, 1934, nonrecording gage at highway bridge 1 mi downstream at 10.10 ft. National Weather Service telephone telemetry at station. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Falls Lake (station 02087182). Prior to regulation, maximum discharge: 26,000 ft^3/s, Oct. 13, 1964; gage height: 22.86 ft, at site and datum then in use; minimum discharge: 124 ft^3/s, Sept. 26, 1932, at site then in use. Minimum discharge for current water year also occurred July 25.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1919 reached a stage of 25.0 ft, at present site and datum; discharge, about 39,000 ft^3/s, from information provided by North Carolina State Highway Commission. Flood in October 1924 reached a stage of 24.7 ft, at present site and datum; discharge, 36,000 ft^3/s, from information provided by North Carolina State Highway Commission. Flood of Sept. 25-26, 1928, reached a stage of 24.2 ft, at present site and datum; discharge, 34,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,720	4,360	1,540	2,630	2,120	4,070	1,620	1,840	896	3,330	883	2,870
2	2,520	4,710	1,560	2,510	2,210	4,500	1,560	2,220	895	3,310	1,580	3,840
3	2,380	4,610	1,530	2,420	2,240	4,850	1,540	2,990	1,000	3,130	1,780	4,680
4	2,130	3,720	1,450	2,390	2,240	4,930	1,650	4,190	1,030	2,590	1,830	5,340
5	1,690	2,880	1,530	2,360	2,300	4,660	1,740	5,170	1,020	2,200	1,890	6,110
6	1,380	2,500	1,650	2,410	2,760	4,150	1,810	5,720	1,730	1,930	2,110	6,630
7	1,200	2,250	1,800	2,450	3,100	3,630	1,950	6,300	3,250	1,720	2,040	6,860
8	1,080	2,070	2,080	2,390	3,040	3,210	1,920	6,690	4,130	1,470	2,170	6,680
9	1,210	1,950	2,150	2,360	3,020	2,930	1,580	6,530	4,330	1,310	2,670	6,130
10	1,360	1,950	2,130	2,290	3,370	2,760	1,370	4,800	3,470	1,210	2,770	5,510
11	1,390	1,900	2,810	2,170	3,520	2,630	1,400	3,100	3,040	1,070	2,060	5,210
12	1,430	1,830	3,230	2,110	3,400	2,490	2,280	2,140	2,710	989	1,560	5,230
13	1,450	1,710	3,630	2,090	3,560	2,350	2,340	1,770	2,220	1,380	1,410	5,400
14	1,410	1,590	4,710	2,010	3,950	2,200	2,860	1,580	1,860	1,500	2,310	5,600
15	1,390	1,510	5,330	1,960	4,400	2,020	3,160	1,430	1,690	1,220	4,160	5,730
16	1,410	1,420	6,080	1,940	4,940	1,950	3,540	1,350	1,450	1,140	4,650	5,510
17	1,380	1,340	6,560	1,890	5,390	1,990	3,700	1,250	1,480	1,050	5,130	4,870
18	1,400	1,280	6,820	1,830	5,720	2,420	3,450	1,110	1,730	895	5,490	3,850
19	1,390	1,290	7,050	1,780	5,900	3,140	3,110	1,000	1,660	808	5,830	3,410
20	1,300	1,580	7,190	1,770	5,900	3,600	2,830	927	1,690	731	6,190	3,310
21	1,290	2,070	7,140	1,900	5,750	3,720	2,560	894	1,460	690	6,580	3,740
22	1,440	2,770	6,940	2,010	5,440	3,620	2,340	854	1,200	760	7,060	4,150
23	1,300	3,190	6,690	1,940	4,990	3,300	2,170	859	1,060	759	7,510	4,350
24	1,100	3,260	6,490	1,820	4,360	2,830	2,040	892	1,330	735	7,720	4,210
25	995	2,890	6,250	1,750	3,730	2,420	1,900	1,090	2,320	699	7,460	3,760
26	946	2,440	5,990	1,750	3,320	2,120	1,650	1,220	2,150	1,030	6,700	3,170
27	925	2,090	5,640	1,750	3,320	1,930	1,690	1,200	1,960	1,090	5,280	2,680
28	965	1,860	4,550	1,790	3,500	1,840	1,750	1,160	3,020	880	3,720	2,420
29	2,430	1,700	3,610	1,860	3,710	1,760	1,670	1,040	3,340	823	2,370	2,250
30	3,490	1,590	3,170	1,930	---	1,680	1,790	954	3,540	885	1,870	2,140
31	3,880	---	2,830	2,010	---	1,630	---	934	---	736	1,890	---
TOTAL	50,381	70,310	130,130	64,270	111,200	91,330	64,970	73,204	62,661	42,070	116,673	135,640
MEAN	1,625	2,344	4,198	2,073	3,834	2,946	2,166	2,361	2,089	1,357	3,764	4,521
MAX	3,880	4,710	7,190	2,630	5,900	4,930	3,700	6,690	4,330	3,330	7,720	6,860
MIN	925	1,280	1,450	1,750	2,120	1,630	1,370	854	895	690	883	2,140

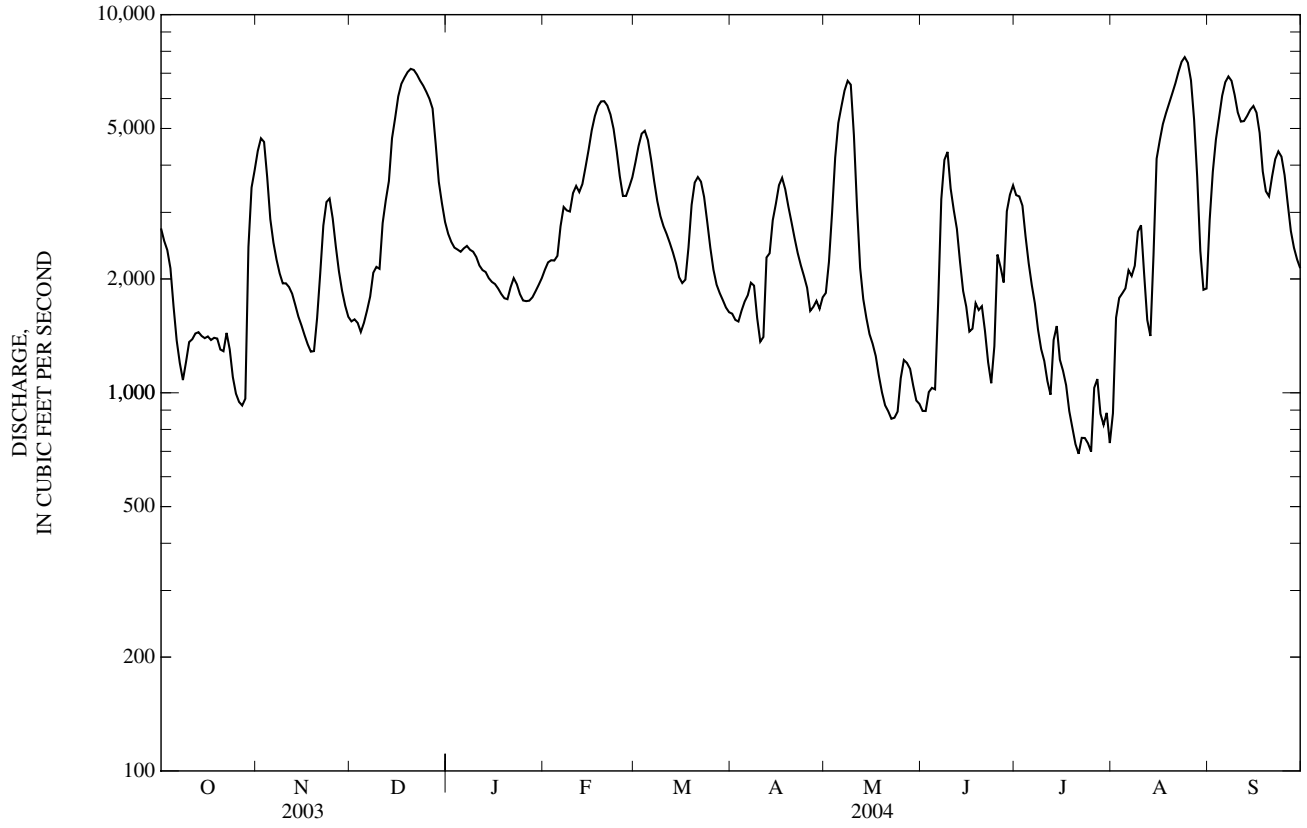
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2004,* BY WATER YEAR (WY)

MEAN	1,979	1,736	2,408	3,539	4,554	5,561	4,551	2,320	1,889	1,657	1,980	2,625
MAX	14,280	5,643	5,097	7,560	12,600	11,410	9,582	8,773	6,062	5,223	5,565	16,430
(WY)	(2000)	(1996)	(1990)	(1993)	(1998)	(1998)	(1989)	(1989)	(1995)	(1989)	(2003)	(1999)
MIN	366	430	760	1,181	1,571	1,673	878	563	400	468	314	357
(WY)	(1984)	(1988)	(1988)	(1986)	(2001)	(1988)	(1986)	(1986)	(2002)	(1987)	(1983)	(1985)

02089500 NEUSE RIVER AT KINSTON, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1983 - 2004*	
ANNUAL TOTAL	1,647,751		1,012,839			
ANNUAL MEAN	4,514		2,767		2,842	
HIGHEST ANNUAL MEAN					4,583	2003
LOWEST ANNUAL MEAN					1,204	1988
HIGHEST DAILY MEAN	12,000	Apr 18	7,720	Aug 24	35,800	Sep 23, 1999
LOWEST DAILY MEAN	925	Oct 27	690	Jul 21	200	Sep 20, 1985
ANNUAL SEVEN-DAY MINIMUM	1,100	Oct 22	740	Jul 19	214	Sep 16, 1985
MAXIMUM PEAK FLOW			7,780	Aug 24	36,300	Sep 22, 1999
MAXIMUM PEAK STAGE			14.95	Aug 24	27.71	Sep 22, 1999
INSTANTANEOUS LOW FLOW			677*	Jul 21	196	Sep 20, 1985
10 PERCENT EXCEEDS	8,150		5,510		7,150	
50 PERCENT EXCEEDS	4,190		2,180		1,600	
90 PERCENT EXCEEDS	1,400		1,080		507	

* Regulated period only (1983-2004). See REMARKS.



02089500 NEUSE RIVER AT KINSTON, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1950, 1955-56, 1959-67, 1973 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1973 to September 1986, March 2002 to July 2004.
WATER TEMPERATURE: October 1949 to September 1950, January 1955 to September 1956, July 1973 to September 1986, March 2002 to May 2003, January to August 2004.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from March 2002 to August 2004. Water-quality monitor from October 1981 to September 1986.

REMARKS.--Station operated as part of NAWQA Program from March 1993 to current year. Station also operated as part of NASQAN network from October 1974 to September 1994. Daily records of specific conductance for January 1955 to September 1956 are available in the files of the District Office in Raleigh, NC. The water temperature data from June 17 to September 30, 2003 was revised.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	248, August 17, 2002	43, March 28, 1975 (daily)
WATER TEMPERATURE, °C	36.0, July 13, 14, 19, 20, 1986	0.0, February 7, 1978, January 13, 1981 (daily)

EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	199, February 3	77, December 19
WATER TEMPERATURE, °C	32.0, July 21	2.7, January 28

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Medium code	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)
OCT 22...	1000	9	1,460	750	8.3	89	7.1	127	17.9	20	25	12.7	8.8
DEC 23...	1000	9	6,710	765	16.6	132	6.5	85	5.7	12	15	9.01	7.5
FEB 18...	1000	9	5,720	765	11.4	91	6.7	94	5.8	12	15	11.4	7.9
MAR 16...	1000	9	1,940	756	9.5	91	6.7	109	13.2	20	24	13.8	9.3
APR 14...	1100	9	2,650	754	7.8	82	6.7	113	17.4	13	16	12.9	8.4
MAY 13...	1130	9	1,760	769	6.3	74	6.2	120	24.0	20	24	12.9	8.8
JUN 09...	1230	9	4,390	767	5.4	65	5.7	77	24.7	10	12	8.10	6.9
JUL 14...	1100	9	1,530	754	5.2	69	6.9	137	29.8	20	24	16.1	10.5
AUG 18...	1200	9	5,490	762	5.8	68	5.8	78	23.4	--	--	7.43	7.3
SEP 22...	1200	9	4,160	766	6.2	69	6.6	82	21.0	16	19	8.49	4.7

02089500 NEUSE RIVER AT KINSTON, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)
OCT													
22...	--	<.04	--	--	.57	--	<.008	.03	.107	.035	.099	.95	.3
DEC													
23...	--	<.04	--	--	.56	--	<.008	.08	.031	.010	.055	.99	.6
FEB													
18...	--	<.04	--	--	.54	--	E.004	.14	.021	.007	.072	1.00	1.0
MAR													
16...	--	<.04	2.93	.66	.67	.030	.009	.10	.037	.012	.074	1.07	1.0
APR													
14...	.14	.11	4.05	.92	.93	.030	.009	.15	.144	.047	.186	1.65	1.5
MAY													
13...	.08	.06	3.37	.76	.78	.043	.013	.07	.159	.052	.155	1.36	.7
JUN													
09...	--	<.04	1.26	.28	.30	.046	.014	.07	.058	.019	.126	.92	.6
JUL													
14...	--	E.02	2.49	.56	.57	.026	.008	.13	.135	.044	.128	1.08	1.5
AUG													
18...	--	<.04	--	--	.45	--	<.008	.07	.083	.027	.121	1.02	.7
SEP													
22...	--	<.04	--	--	.30	--	<.008	.11	.089	.029	.111	.89	1.0

Date	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)
OCT													
22...	<.1	.3	5.7	<.006	E.005	<.006	<.004	<.005	.018	<.050	<.010	<.002	E.008
DEC													
23...	<.1	.6	6.4	<.006	E.006	<.006	<.005	<.005	.021	<.050	<.010	<.004	<.041
FEB													
18...	<.1	1.0	6.9	<.006	<.006	<.006	<.005	<.005	.046	<.050	<.010	<.004	E.013
MAR													
16...	<.1	1.0	6.1	<.006	<.006	<.006	<.005	<.005	.020	<.050	<.010	<.004	<.041
APR													
14...	<.1	1.5	7.2	<.006	E.035	<.006	.877	<.005	1.30	<.050	<.010	<.004	E.034
MAY													
13...	<.1	.7	7.4	<.006	E.010	<.006	.011	<.005	.117	<.050	<.010	<.004	E.017
JUN													
09...	<.1	.6	10.1	<.006	E.008	<.006	<.005	<.005	.057	<.050	<.010	<.004	E.028
JUL													
14...	<.1	1.5	8.8	--	--	--	--	--	--	--	--	--	--
AUG													
18...	<.1	.7	9.0	<.006	<.006	<.006	<.005	<.005	.019	<.050	<.010	<.004	E.017
SEP													
22...	<.1	1.0	9.2	--	--	--	--	--	--	--	--	--	--

02089500 NEUSE RIVER AT KINSTON, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinyl fipronil amide, wat flt ug/L (62169)
OCT													
22...	<.020	<.005	<.006	<.018	<.003	<.004	E.004	<.005	<.02	<.002	<.009	<.005	<.009
DEC													
23...	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029
FEB													
18...	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.007	<.009	<.005	<.029
MAR													
16...	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029
APR													
14...	<.020	<.005	<.006	<.018	<.003	E.004	<.005	<.009	<.02	<.004	<.009	<.005	<.029
MAY													
13...	<.020	<.005	<.006	<.018	<.003	E.004	<.005	<.009	<.02	<.004	<.009	<.005	<.029
JUN													
09...	<.020	<.005	<.006	<.018	<.003	E.003	<.005	<.009	<.02	E.002	<.009	<.005	<.029
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
18...	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029
SEP													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p-' DDE, water, fltrd, ug/L (34653)
OCT													
22...	<.005	<.007	<.010	<.003	<.004	<.035	<.027	<.006	E.011	<.006	<.002	<.007	<.003
DEC													
23...	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.015	<.006	<.003	<.007	<.003
FEB													
18...	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	E.013	<.006	<.003	<.007	<.003
MAR													
16...	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.025	<.006	<.003	<.007	<.003
APR													
14...	<.013	<.024	E.007	<.003	<.004	<.035	<.027	<.015	.295	<.006	<.003	<.007	<.003
MAY													
13...	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.041	<.006	<.003	<.007	<.003
JUN													
09...	E.003	<.024	E.008	<.003	<.004	<.035	<.027	<.015	.123	.015	<.003	<.007	<.003
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
18...	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.020	<.006	<.003	<.007	<.003
SEP													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--

02089500 NEUSE RIVER AT KINSTON, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)
OCT													
22...	<.010	<.004	<.022	<.011	.02	<.004	<.010	<.011	<.02	.010	<.02	<.034	<.02
DEC													
23...	<.010	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.129	<.02	<.034	<.02
FEB													
18...	<.010	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.246	<.02	<.034	<.02
MAR													
16...	<.010	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.138	<.02	<.034	<.02
APR													
14...	<.010	<.004	E.014	<.011	.01	<.004	<.025	<.011	<.02	.144	E.01	<.034	<.02
MAY													
13...	<.010	<.004	<.022	<.011	.02	<.004	<.025	<.011	<.02	.060	E.01	<.034	<.02
JUN													
09...	<.010	<.004	<.022	<.011	.03	<.004	<.025	<.011	<.02	.052	E.01	<.034	<.02
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
18...	<.010	<.004	<.022	<.011	.03	<.004	<.025	<.011	<.02	.026	<.02	<.034	<.02
SEP													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT						
22...	<.005	<.002	<.009	98	15	59
DEC						
23...	<.010	<.002	<.009	91	14	254
FEB						
18...	<.010	<.002	<.009	67	23	355
MAR						
16...	<.010	<.002	<.009	95	20	105
APR						
14...	<.010	<.002	<.009	82	62	444
MAY						
13...	<.010	<.002	<.009	93	32	152
JUN						
09...	<.010	<.002	<.009	80	29	344
JUL						
14...	--	--	--	95	28	116
AUG						
18...	<.010	<.002	<.009	92	31	460
SEP						
22...	--	--	--	99	29	326

Remark codes used in this table:
< -- Less than
E -- Estimated value

Medium codes used in this table:
9 -- Surface water

02089500 NEUSE RIVER AT KINSTON, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	100	96	98	113	99	106	129	124	126	106	103	104
2	101	99	100	99	91	94	130	126	128	105	103	104
3	103	100	101	---	---	---	---	---	---	106	103	104
4	104	102	103	---	---	---	---	---	---	107	104	106
5	---	---	---	104	99	102	127	123	125	110	105	107
6	---	---	---	109	103	106	125	121	123	---	---	---
7	---	---	---	113	108	111	123	119	121	---	---	---
8	---	---	---	121	113	118	124	120	122	---	---	---
9	---	---	---	122	117	119	---	---	---	---	---	---
10	---	---	---	127	121	124	---	---	---	---	---	---
11	130	125	128	131	127	129	106	102	104	---	---	---
12	136	130	134	133	126	130	106	93	98	---	---	---
13	141	135	138	129	126	128	105	98	102	120	118	119
14	143	140	142	131	127	129	102	83	92	122	119	120
15	141	135	137	---	---	---	84	79	81	139	122	130
16	136	133	134	---	---	---	---	---	---	139	132	135
17	133	130	131	---	---	---	---	---	---	133	127	129
18	134	129	131	140	137	138	---	---	---	128	124	125
19	137	133	135	140	133	138	78	77	78	126	123	125
20	139	135	137	138	135	137	81	78	79	126	124	125
21	135	129	131	135	127	131	82	81	81	127	124	125
22	137	130	133	132	128	130	82	81	82	128	124	125
23	144	137	141	129	116	123	---	---	---	130	124	127
24	142	123	131	116	105	109	---	---	---	128	122	124
25	128	122	124	109	107	108	---	---	---	125	121	123
26	133	128	131	115	109	112	---	---	---	131	123	124
27	147	133	142	119	114	116	---	---	---	130	123	125
28	148	132	143	121	119	120	---	---	---	132	125	130
29	140	109	119	124	119	122	---	---	---	136	132	134
30	114	102	110	127	122	125	---	---	---	135	127	130
31	113	102	109	---	---	---	---	---	---	129	125	126
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	137	129	131	108	105	107	129	127	128	141	131	137
2	191	136	161	145	105	125	129	124	127	---	---	---
3	199	178	188	142	113	125	128	123	126	---	---	---
4	181	158	171	113	106	108	128	125	127	---	---	---
5	158	143	152	107	105	106	132	128	130	102	94	99
6	143	131	136	110	107	108	132	129	130	94	86	90
7	141	131	136	111	110	110	135	129	132	86	84	85
8	135	122	126	115	111	113	131	126	129	87	84	85
9	122	119	121	116	114	115	128	116	122	91	86	89
10	121	118	119	118	115	117	123	118	120	100	91	96
11	119	113	115	121	117	120	127	118	124	110	100	105
12	114	111	112	123	120	122	127	106	117	118	110	113
13	119	112	116	124	122	123	124	110	119	121	118	120
14	112	102	107	126	122	124	125	115	120	126	121	124
15	102	100	101	126	124	125	116	111	113	131	124	128
16	103	97	99	125	120	122	118	113	116	---	---	---
17	97	95	96	127	122	125	113	106	108	---	---	---
18	98	95	97	128	126	127	107	104	105	---	---	---
19	102	96	98	130	122	126	118	107	112	146	136	141
20	106	100	104	122	117	119	118	114	116	144	139	142
21	110	104	106	117	114	114	118	116	117	153	141	145
22	111	106	108	115	113	114	120	118	119	156	151	153
23	106	104	105	113	110	111	122	119	121	160	154	156
24	106	104	105	115	113	114	129	121	126	168	160	163
25	116	106	110	120	115	118	129	127	128	168	151	160
26	115	112	113	122	118	120	131	121	129	158	150	154
27	115	111	113	125	121	122	127	120	125	159	139	151
28	112	108	111	126	124	125	127	122	124	148	129	137
29	109	108	108	127	125	126	135	127	131	144	133	140
30	---	---	---	127	123	126	141	135	139	145	131	139
31	---	---	---	128	126	127	---	---	---	137	132	134
MONTH	199	95	119	145	105	119	141	104	123	---	---	---

02089500 NEUSE RIVER AT KINSTON, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	141	133	135	103	100	102	---	---	---	---	---	---
2	152	138	143	103	99	101	---	---	---	---	---	---
3	164	152	156	112	103	108	---	---	---	---	---	---
4	---	---	---	115	111	113	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	122	113	116	---	---	---	---	---	---	---	---	---
16	124	121	123	---	---	---	---	---	---	---	---	---
17	124	114	119	---	---	---	---	---	---	---	---	---
18	117	100	109	---	---	---	---	---	---	---	---	---
19	121	104	114	---	---	---	---	---	---	---	---	---
20	121	114	118	---	---	---	---	---	---	---	---	---
21	122	116	119	---	---	---	---	---	---	---	---	---
22	123	120	122	---	---	---	---	---	---	---	---	---
23	131	109	123	---	---	---	---	---	---	---	---	---
24	135	111	125	---	---	---	---	---	---	---	---	---
25	125	86	106	---	---	---	---	---	---	---	---	---
26	113	93	104	---	---	---	---	---	---	---	---	---
27	120	112	116	---	---	---	---	---	---	---	---	---
28	135	113	123	---	---	---	---	---	---	---	---	---
29	129	95	106	---	---	---	---	---	---	---	---	---
30	100	95	97	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02089500 NEUSE RIVER AT KINSTON, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	5.0	4.1	4.6
14	---	---	---	---	---	---	---	---	---	5.3	4.5	4.9
15	---	---	---	---	---	---	---	---	---	5.9	5.0	5.3
16	---	---	---	---	---	---	---	---	---	5.7	5.0	5.3
17	---	---	---	---	---	---	---	---	---	5.6	4.8	5.2
18	---	---	---	---	---	---	---	---	---	7.0	5.4	6.2
19	---	---	---	---	---	---	---	---	---	7.4	6.6	7.1
20	---	---	---	---	---	---	---	---	---	6.6	5.8	6.2
21	---	---	---	---	---	---	---	---	---	5.8	5.1	5.4
22	---	---	---	---	---	---	---	---	---	5.6	4.7	5.2
23	---	---	---	---	---	---	---	---	---	5.6	4.9	5.3
24	---	---	---	---	---	---	---	---	---	5.9	4.9	5.4
25	---	---	---	---	---	---	---	---	---	5.4	3.9	4.7
26	---	---	---	---	---	---	---	---	---	3.9	3.2	3.6
27	---	---	---	---	---	---	---	---	---	3.2	3.0	3.1
28	---	---	---	---	---	---	---	---	---	3.6	2.7	3.1
29	---	---	---	---	---	---	---	---	---	3.9	2.8	3.3
30	---	---	---	---	---	---	---	---	---	4.2	3.3	3.7
31	---	---	---	---	---	---	---	---	---	4.2	3.4	3.8
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	4.0	3.3	3.6	7.6	6.3	6.9	16.4	15.5	16.0	21.2	20.4	20.8
2	4.2	3.1	3.7	9.9	7.6	8.7	15.5	14.6	15.1	---	---	---
3	5.1	4.2	4.6	11.6	9.8	10.6	15.1	13.9	14.6	---	---	---
4	5.8	4.7	5.3	13.6	11.6	12.4	15.8	14.4	14.9	---	---	---
5	6.0	5.3	5.6	15.3	13.6	14.4	15.3	13.9	14.6	19.1	17.8	18.5
6	7.6	5.7	6.4	16.2	15.3	15.8	15.2	13.6	14.4	19.7	18.3	19.0
7	8.9	7.6	8.4	16.9	16.0	16.4	16.0	14.3	15.1	20.4	18.9	19.6
8	8.7	8.1	8.4	16.6	15.5	16.0	16.9	15.4	16.2	21.3	19.9	20.5
9	8.2	7.8	8.0	15.5	14.6	15.0	18.4	16.3	17.3	22.4	20.8	21.5
10	8.8	8.2	8.5	14.6	13.2	13.9	18.2	17.2	17.7	23.5	22.1	22.7
11	8.9	8.3	8.6	13.4	12.4	13.0	18.8	17.6	18.1	24.6	23.1	23.8
12	8.6	7.6	8.2	13.4	12.3	12.8	18.1	16.8	17.3	24.8	23.9	24.3
13	8.2	7.3	7.7	13.2	12.2	12.7	18.0	16.8	17.3	24.8	23.8	24.2
14	7.8	7.3	7.5	12.8	12.0	12.4	17.8	16.7	17.4	25.4	23.6	24.4
15	7.5	7.0	7.3	12.9	12.3	12.6	16.9	15.8	16.4	26.1	24.3	25.1
16	7.1	6.3	6.7	13.7	12.9	13.3	16.8	15.6	16.2	---	---	---
17	6.7	6.0	6.3	13.6	12.5	13.1	17.4	16.0	16.7	---	---	---
18	6.8	5.7	6.2	12.6	12.0	12.4	18.6	17.1	17.8	---	---	---
19	7.0	5.8	6.4	13.6	12.3	12.9	19.8	18.3	19.0	27.1	25.0	26.0
20	7.7	6.3	6.9	13.6	12.5	13.1	20.7	19.2	19.9	27.6	25.3	26.4
21	8.9	7.4	8.1	13.8	13.2	13.4	21.5	20.3	20.9	28.1	25.9	27.0
22	9.2	8.1	8.6	13.4	12.5	12.9	22.2	20.8	21.5	29.3	26.8	27.9
23	9.3	8.5	8.9	13.2	12.2	12.7	23.0	21.4	22.1	29.2	27.3	28.2
24	9.3	9.2	9.2	13.4	12.1	12.7	23.2	22.2	22.6	28.6	26.9	27.7
25	9.6	8.8	9.2	14.4	12.7	13.5	22.7	21.9	22.3	28.8	26.7	27.7
26	9.2	7.4	8.3	15.1	13.6	14.4	23.3	21.8	22.4	29.5	27.5	28.5
27	7.4	6.3	6.8	16.1	14.4	15.4	22.5	21.5	22.0	29.8	27.9	28.8
28	6.9	5.8	6.4	17.2	16.0	16.5	21.7	20.3	21.0	29.6	27.9	28.7
29	7.2	6.1	6.7	17.1	15.7	16.3	21.5	19.9	20.7	29.5	27.5	28.4
30	---	---	---	16.7	15.7	16.2	21.5	20.3	20.9	28.2	26.3	27.0
31	---	---	---	16.8	15.8	16.2	---	---	---	26.4	25.5	26.0
MONTH	9.6	3.1	7.1	17.2	6.3	13.5	23.3	13.6	18.3	---	---	---

02089500 NEUSE RIVER AT KINSTON, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.7	25.3	26.4	26.7	25.6	26.1	29.5	28.0	28.8	---	---	---
2	28.4	25.8	27.0	26.6	25.9	26.3	28.8	27.8	28.3	---	---	---
3	29.2	26.6	27.8	27.0	25.9	26.4	27.8	27.0	27.4	---	---	---
4	---	---	---	27.6	26.4	26.9	28.7	27.0	27.8	---	---	---
5	---	---	---	28.6	26.6	27.5	29.3	27.9	28.5	---	---	---
6	---	---	---	29.8	28.0	28.8	28.5	27.2	27.9	---	---	---
7	---	---	---	30.6	28.9	29.6	27.2	25.8	26.4	---	---	---
8	---	---	---	30.9	29.2	30.0	26.4	25.2	25.9	---	---	---
9	---	---	---	31.1	29.0	30.0	25.8	24.9	25.2	---	---	---
10	---	---	---	31.4	29.1	30.2	25.4	24.4	24.9	---	---	---
11	---	---	---	30.7	29.4	30.1	26.1	24.8	25.3	---	---	---
12	---	---	---	30.7	29.0	29.8	26.3	25.4	25.8	---	---	---
13	---	---	---	31.0	29.1	30.0	25.6	24.8	25.2	---	---	---
14	---	---	---	30.7	29.2	30.0	24.8	22.5	24.0	---	---	---
15	27.1	25.3	26.1	30.9	29.4	30.1	23.2	22.3	22.5	---	---	---
16	27.0	26.3	26.6	30.6	28.7	29.6	23.1	22.3	22.6	---	---	---
17	26.7	25.7	26.1	29.9	28.4	29.0	23.8	22.7	23.2	---	---	---
18	27.8	26.2	26.8	28.7	27.8	28.3	23.9	23.1	23.5	---	---	---
19	28.7	26.9	27.7	29.1	27.2	28.1	24.5	23.4	23.9	---	---	---
20	28.7	27.8	28.2	29.6	27.3	28.2	25.1	24.2	24.6	---	---	---
21	28.8	27.2	27.9	32.0	26.0	28.5	25.5	24.7	25.1	---	---	---
22	28.8	27.0	27.8	30.1	27.9	29.0	25.4	25.0	25.1	---	---	---
23	29.7	26.9	28.2	29.1	28.2	28.6	25.4	24.7	25.0	---	---	---
24	28.0	27.2	27.5	29.4	27.4	28.3	25.4	24.8	25.1	---	---	---
25	27.3	26.3	26.8	31.5	27.4	28.7	25.5	24.8	25.2	---	---	---
26	26.9	26.4	26.7	29.5	27.6	28.4	25.4	25.0	25.2	---	---	---
27	27.1	26.1	26.5	30.2	28.4	29.2	25.8	25.0	25.4	---	---	---
28	26.4	25.8	26.1	29.7	28.4	29.0	26.2	25.4	25.8	---	---	---
29	26.4	25.5	26.0	29.6	28.1	28.8	26.8	26.1	26.4	---	---	---
30	26.1	25.7	25.9	29.4	27.8	28.6	26.4	25.5	25.8	---	---	---
31	---	---	---	29.7	27.9	28.7	26.3	25.2	25.7	---	---	---
MONTH	---	---	---	32.0	25.6	28.7	29.5	22.3	25.5	---	---	---

02090380 CONTENTNEA CREEK NEAR LUCAMA, NC

LOCATION.--Lat 35°41'28", long 78°06'35", Wilson County, Hydrologic Unit 03020203, on right bank 250 ft upstream from bridge on State Highway 581, 1.0 mi downstream of Buckhorn Reservoir, 1.0 mi upstream from Buckhorn Branch, and 6.5 mi northwest of Lucama.

DRAINAGE AREA.--161 mi^2.

PERIOD OF RECORD.--September 1964 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 116.83 ft above NGVD of 1929 (levels by North Carolina Geodetic Survey). Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Since September 1976, some regulation at low flow by Buckhorn Reservoir (station 02090370) 1 mi upstream. Maximum discharge for period of record, from rating curve extended above 6,000 ft^3/s, on basis of flow over dam measurement of peak flow; maximum gage height from flood marks. Minimum discharge for period of record also occurred Sept. 10-14, 1976, due to regulation. Minimum discharge for current year also occurred May 31.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	265	86	114	136	378	128	58	42	45	44	2,620
2	42	165	75	124	133	347	113	159	38	45	42	1,550
3	19	125	46	128	176	275	118	668	35	44	37	568
4	29	104	55	130	280	223	178	790	79	44	36	269
5	20	88	112	136	298	187	100	543	188	45	36	158
6	18	86	142	150	264	180	38	305	130	44	37	128
7	17	88	127	123	448	189	48	179	96	44	36	142
8	17	78	100	91	487	196	52	121	71	43	35	174
9	23	68	94	99	451	155	57	98	59	43	35	957
10	36	58	108	108	307	168	57	77	56	44	34	1,070
11	42	57	368	98	210	135	116	59	53	45	33	840
12	47	70	451	100	217	127	135	45	49	44	33	471
13	39	181	420	106	324	103	282	43	40	45	35	238
14	39	47	601	90	335	92	529	37	36	45	34	154
15	99	24	845	123	329	119	473	33	42	46	27	135
16	31	19	767	92	405	233	298	27	48	44	73	111
17	36	17	635	79	431	451	195	20	48	43	417	110
18	42	18	460	111	415	499	146	21	47	40	483	284
19	37	57	386	114	345	476	119	25	47	40	267	384
20	32	206	300	113	276	378	95	19	45	39	144	362
21	41	269	193	92	262	340	82	20	43	48	99	234
22	65	224	169	91	180	193	69	23	43	57	93	156
23	39	162	152	96	161	147	62	70	42	56	119	116
24	17	137	176	78	149	132	51	79	41	56	124	85
25	17	106	181	69	137	124	42	63	44	56	91	68
26	18	84	167	109	135	116	54	54	46	54	66	55
27	20	76	145	110	197	113	97	44	44	53	62	48
28	24	108	134	136	261	104	75	53	45	53	60	76
29	271	132	127	93	349	96	66	21	46	47	62	96
30	502	57	140	114	---	87	59	16	45	24	625	106
31	438	---	110	132	---	94	---	26	---	31	2,510	---
TOTAL	2,141	3,176	7,872	3,349	8,098	6,457	3,934	3,796	1,688	1,407	5,829	11,765
MEAN	69.1	106	254	108	279	208	131	122	56.3	45.4	188	392
MAX	502	269	845	150	487	499	529	790	188	57	2,510	2,620
MIN	17	17	46	69	133	87	38	16	35	24	27	48
CFSM	0.43	0.66	1.58	0.67	1.73	1.29	0.81	0.76	0.35	0.28	1.17	2.44
IN.	0.49	0.73	1.82	0.77	1.87	1.49	0.91	0.88	0.39	0.33	1.35	2.72

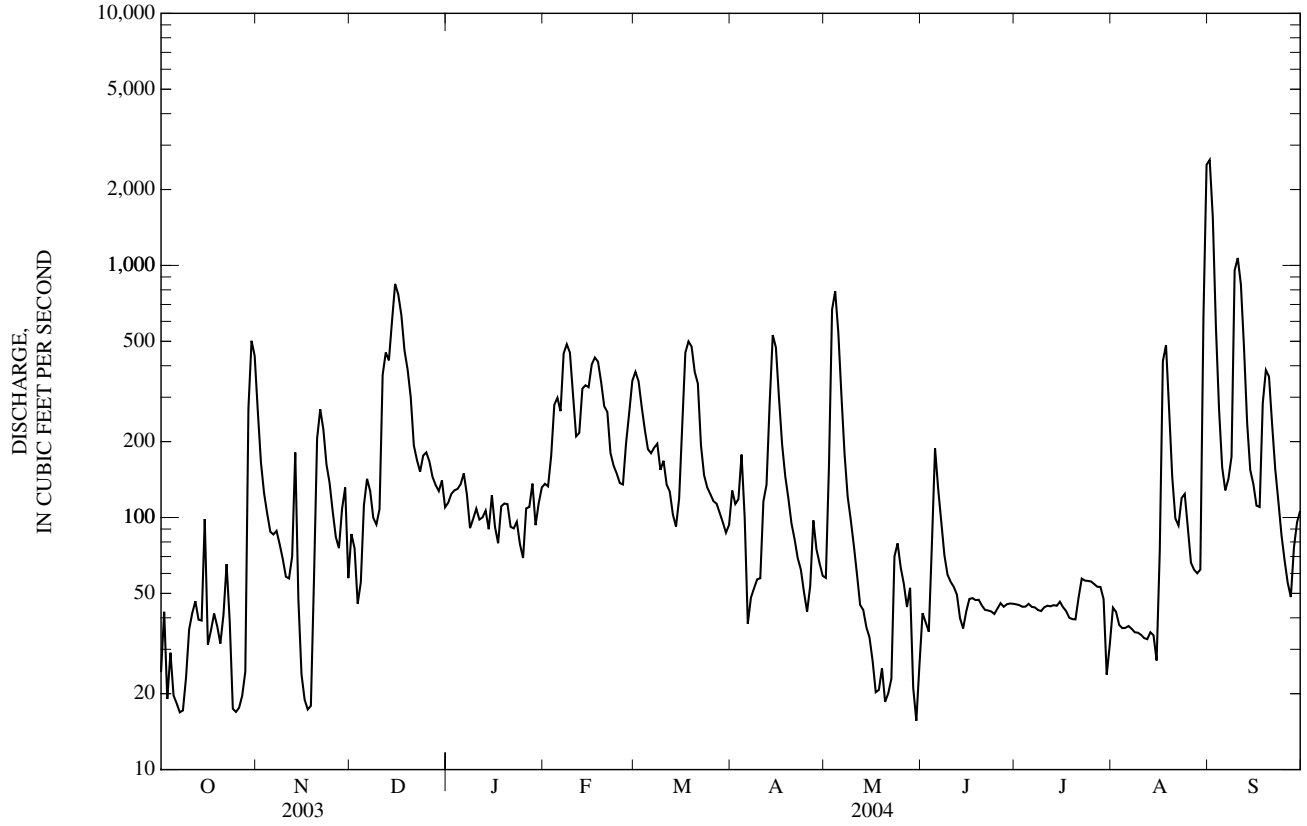
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2004, BY WATER YEAR (WY)

MEAN	83.7	90.7	140	259	305	336	203	119	95.1	87.3	110	107
MAX	644	304	404	690	633	803	701	537	359	624	512	1,326
(WY)	(1965)	(1996)	(1973)	(1987)	(1998)	(1989)	(1987)	(1989)	(1965)	(1984)	(1986)	(1999)
MIN	2.05	2.76	21.2	39.4	87.5	67.7	24.7	8.08	10.4	3.96	3.18	2.52
(WY)	(1981)	(1974)	(1966)	(1981)	(1986)	(1981)	(1986)	(1981)	(1970)	(1981)	(1980)	(1968)

02090380 CONTENTNEA CREEK NEAR LUCAMA, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1964 - 2004	
ANNUAL TOTAL	99,960.9		59,512			
ANNUAL MEAN	274		163		160	
HIGHEST ANNUAL MEAN					299	2003
LOWEST ANNUAL MEAN					35.5	1981
HIGHEST DAILY MEAN	2,370	Aug 12	2,620	Sep 1	13,000	Sep 17, 1999
LOWEST DAILY MEAN	4.2	May 15	16	May 30	0.04	Sep 9, 1976
ANNUAL SEVEN-DAY MINIMUM	20	Jul 23	20	Oct 3	0.04	Sep 8, 1976
MAXIMUM PEAK FLOW			3,010	Sep 1	24000*	Sep 17, 1999
MAXIMUM PEAK STAGE			12.94	Sep 1	24.82*	Sep 17, 1999
INSTANTANEOUS LOW FLOW			14*	May 30	0.04*	Sep 9, 1976
ANNUAL RUNOFF (CFSM)	1.70		1.01		0.992	
ANNUAL RUNOFF (INCHES)	23.10		13.75		13.48	
10 PERCENT EXCEEDS	652		380		386	
50 PERCENT EXCEEDS	141		94		70	
90 PERCENT EXCEEDS	32		34		11	

* See REMARKS.



0209050750 HOMINY SWAMP AT FOREST HILL ROAD NEAR WILSON, NC

LOCATION.--Lat 35°44'32", long 77°57'07", Wilson County, Hydrologic Unit 03020203, at bridge culvert on Forest Hills Road (Secondary Road 1165), 2.5 mi northwest of Wilson.

DRAINAGE AREA.--1.77 mi^2.

PERIOD OF RECORD.--September 2003 to September 2004.

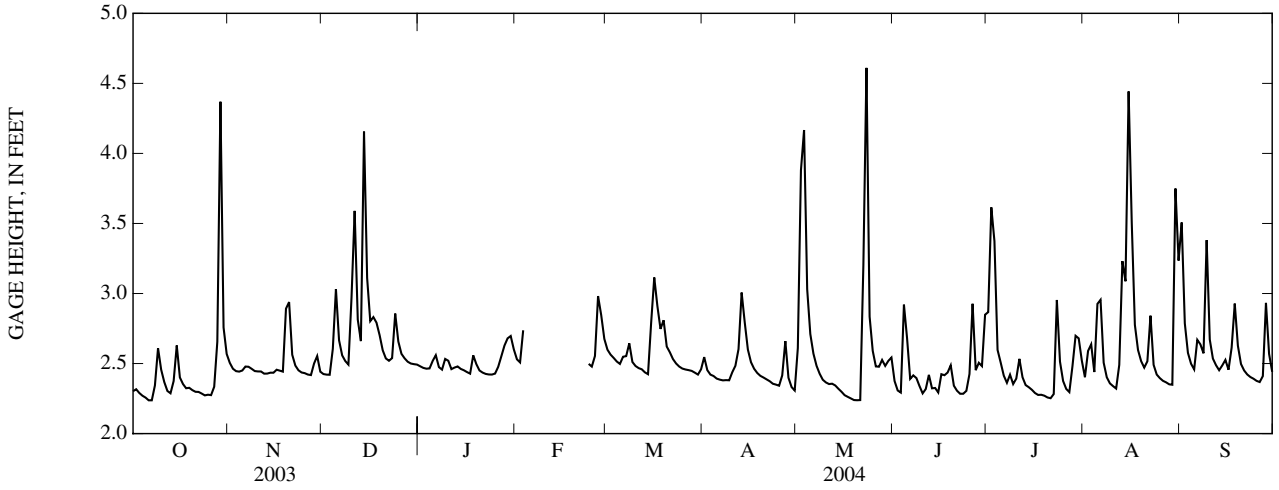
GAGE.--Water-stage recorder. Datum of gage is 121 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum, 10.55 ft, May 22, 2004; minimum, 2.22 ft, May 22, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum, 10.55 ft, May 22; minimum, 2.22 ft, May 22.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.30	2.50	2.43	2.48	2.53	2.60	2.55	2.61	2.38	2.87	2.40	3.51
2	2.32	2.46	2.42	2.47	2.51	2.56	2.45	3.88	2.31	3.61	2.59	2.79
3	2.29	2.45	2.42	2.46	2.74	2.54	2.42	4.17	2.29	3.37	2.64	2.58
4	2.27	2.44	2.60	2.47	---	2.51	2.41	3.03	2.92	2.60	2.44	2.50
5	2.26	2.45	3.03	2.52	---	2.50	2.39	2.71	2.68	2.51	2.93	2.46
6	2.24	2.48	2.67	2.56	---	2.55	2.39	2.57	2.39	2.41	2.95	2.67
7	2.24	2.48	2.56	2.47	---	2.55	2.38	2.48	2.42	2.36	2.51	2.64
8	2.34	2.46	2.52	2.46	---	2.64	2.38	2.43	2.40	2.42	2.40	2.57
9	2.61	2.45	2.49	2.53	---	2.51	2.38	2.38	2.34	2.35	2.36	3.38
10	2.46	2.44	2.97	2.52	---	2.48	2.44	2.37	2.29	2.39	2.34	2.67
11	2.37	2.44	3.59	2.46	---	2.47	2.48	2.35	2.32	2.53	2.32	2.54
12	2.30	2.43	2.81	2.47	---	2.46	2.60	2.36	2.42	2.40	2.49	2.49
13	2.29	2.43	2.66	2.48	---	2.44	3.01	2.34	2.32	2.35	3.23	2.45
14	2.37	2.43	4.16	2.46	---	2.42	2.79	2.32	2.33	2.33	3.09	2.49
15	2.63	2.43	3.11	2.45	---	2.79	2.60	2.30	2.29	2.31	4.44	2.53
16	2.40	2.46	2.80	2.44	---	3.11	2.51	2.27	2.42	2.29	3.51	2.46
17	2.35	2.45	2.83	2.43	---	2.91	2.46	2.26	2.42	2.28	2.78	2.61
18	2.32	2.44	2.79	2.56	---	2.75	2.43	2.25	2.44	2.28	2.60	2.93
19	2.33	2.89	2.70	2.50	---	2.81	2.41	2.24	2.49	2.27	2.52	2.63
20	2.31	2.94	2.59	2.45	---	2.62	2.40	2.24	2.34	2.26	2.47	2.50
21	2.30	2.56	2.54	2.44	---	2.58	2.39	2.24	2.31	2.25	2.52	2.45
22	2.30	2.49	2.52	2.43	---	2.53	2.37	3.20	2.28	2.28	2.84	2.42
23	2.29	2.45	2.54	2.42	---	2.50	2.36	4.61	2.28	2.95	2.49	2.40
24	2.27	2.44	2.86	2.42	2.50	2.48	2.35	2.83	2.31	2.51	2.42	2.39
25	2.28	2.43	2.66	2.43	2.48	2.46	2.34	2.59	2.43	2.38	2.40	2.38
26	2.27	2.42	2.57	2.48	2.55	2.46	2.42	2.48	2.93	2.32	2.38	2.37
27	2.33	2.42	2.54	2.55	2.98	2.45	2.66	2.48	2.45	2.30	2.37	2.41
28	2.66	2.50	2.51	2.63	2.85	2.45	2.40	2.53	2.51	2.48	2.35	2.93
29	4.37	2.55	2.50	2.68	2.68	2.43	2.33	2.48	2.48	2.70	2.35	2.57
30	2.76	2.44	2.50	2.70	---	2.42	2.31	2.52	2.85	2.68	3.75	2.44
31	2.57	---	2.49	2.60	---	2.46	---	2.54	---	2.52	3.24	---
MEAN	2.43	2.49	2.72	2.50	---	2.56	2.46	2.65	2.43	2.50	2.71	2.61
MAX	4.37	2.94	4.16	2.70	---	3.11	3.01	4.61	2.93	3.61	4.44	3.51
MIN	2.24	2.42	2.42	2.42	---	2.42	2.31	2.24	2.28	2.25	2.32	2.37



02091000 NAHUNTA SWAMP NEAR SHINE, NC

LOCATION.--Lat 35°29'20", long 77°48'22", Greene County, Hydrologic Unit 03020203, on right bank 10 ft downstream of bridge on Secondary Road 1058, 2 mi upstream from Appletree Swamp, 3.5 mi north of Shine, and 8 mi northwest of Snow Hill.

DRAINAGE AREA.--80.4 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1954 to current year. Monthly discharges only for some periods, published in WSP 1723.

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

GAGE.--Water-stage recorder. Datum of gage is 50.74 ft above NGVD of 1929. Prior to Apr. 1, 1955, nonrecording gage at same site and datum. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Maximum discharge for period of record, on basis of slope conveyances measurement of peak flow; gage height from floodmarks. Minimum discharge for period of record also occurred Oct. 8, 1954, Aug. 11-15, 2002.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	107	53	74	68	125	49	47	21	70	14	173
2	33	80	50	71	62	107	48	179	19	47	17	200
3	31	66	47	71	87	94	45	560	18	66	15	65
4	29	59	49	69	104	85	41	490	29	39	14	48
5	30	57	107	70	81	79	40	223	258	36	12	41
6	28	59	97	69	72	75	37	117	225	30	14	82
7	25	95	76	63	78	72	36	82	93	24	16	109
8	29	80	66	59	68	68	36	63	58	25	13	109
9	74	65	60	62	60	61	35	53	46	64	11	120
10	71	57	81	68	60	59	34	47	41	29	9.8	106
11	58	55	567	62	61	56	43	41	35	254	8.9	63
12	49	53	287	62	115	55	56	38	35	58	8.6	51
13	43	49	147	65	178	53	118	43	34	38	19	42
14	44	43	503	64	122	51	144	37	30	27	130	37
15	63	40	730	61	138	51	77	34	27	21	347	39
16	53	39	428	57	202	61	55	30	26	17	308	39
17	44	39	286	55	161	65	46	28	37	14	119	38
18	40	39	249	61	159	61	41	26	30	13	65	81
19	38	66	182	68	127	62	37	26	30	13	49	71
20	35	256	143	61	106	56	34	28	24	12	40	50
21	33	152	119	56	94	54	32	26	20	11	33	41
22	33	99	107	54	83	49	30	24	18	10	36	37
23	32	80	100	53	75	46	28	33	18	24	33	35
24	27	71	129	51	73	45	26	36	37	29	28	34
25	26	66	131	51	70	44	26	32	28	19	25	34
26	28	60	108	64	70	43	26	27	27	15	23	35
27	30	58	95	61	184	43	55	23	33	13	23	35
28	36	59	88	71	263	44	45	21	41	12	21	34
29	541	62	83	78	166	42	34	19	53	18	26	38
30	494	56	82	84	---	40	29	19	34	15	81	34
31	200	---	76	81	---	44	---	22	---	13	102	---
TOTAL	2,333	2,167	5,326	1,996	3,187	1,890	1,383	2,474	1,425	1,076	1,661.3	1,921
MEAN	75.3	72.2	172	64.4	110	61.0	46.1	79.8	47.5	34.7	53.6	64.0
MAX	541	256	730	84	263	125	144	560	258	254	347	200
MIN	25	39	47	51	60	40	26	19	18	10	8.6	34
CFSM	0.94	0.90	2.14	0.80	1.37	0.76	0.57	0.99	0.59	0.43	0.67	0.80
IN.	1.08	1.00	2.46	0.92	1.47	0.87	0.64	1.14	0.66	0.50	0.77	0.89

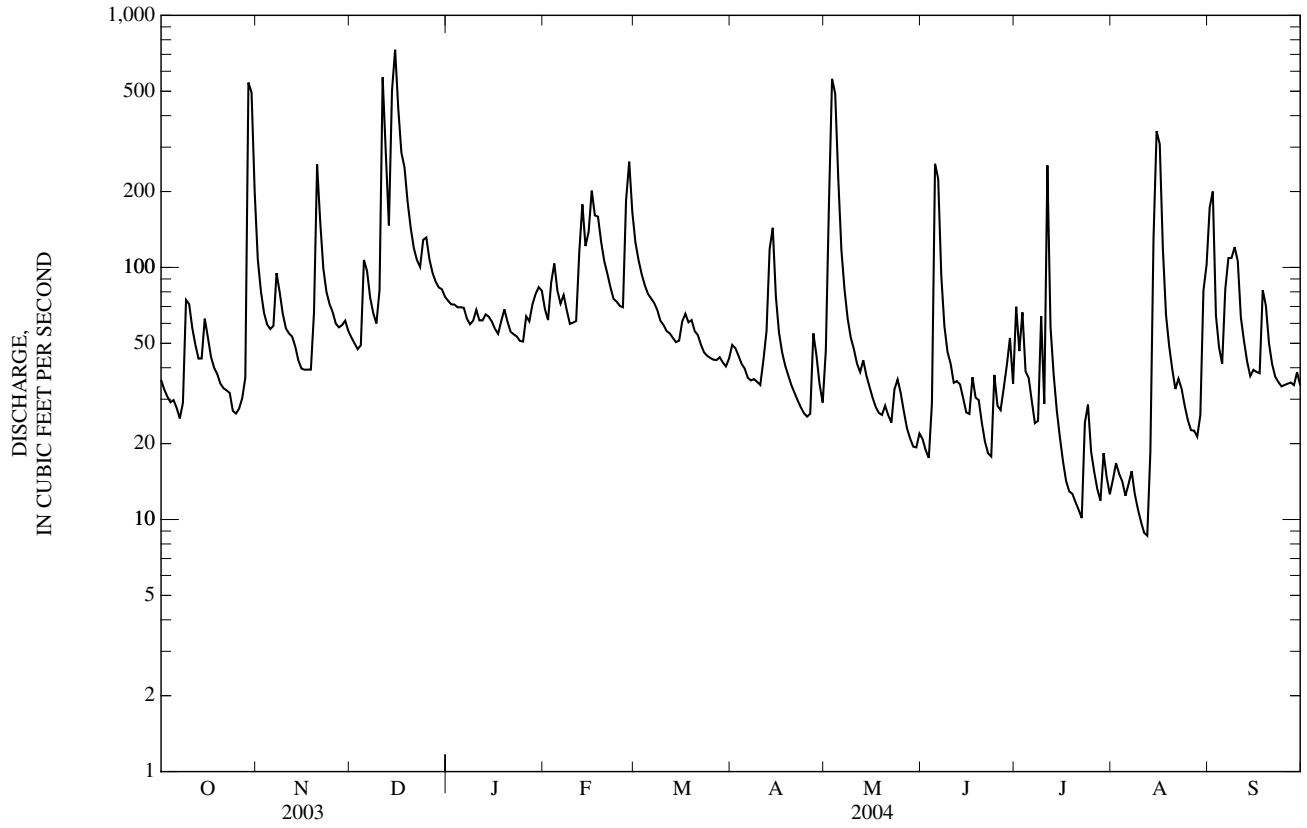
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2004, BY WATER YEAR (WY)

MEAN	53.7	55.9	71.1	117	139	143	102	60.9	51.8	58.6	67.9	80.4
MAX	473	253	184	261	327	311	252	277	243	395	360	1,083
(WY)	(1965)	(1978)	(1958)	(1993)	(1998)	(1983)	(1974)	(1989)	(1995)	(1965)	(1974)	(1999)
MIN	2.26	11.2	19.5	29.4	34.6	33.7	19.1	10.8	5.35	3.10	4.22	2.58
(WY)	(1955)	(1987)	(2002)	(2001)	(1988)	(1986)	(1986)	(1986)	(1986)	(1987)	(2002)	(1954)

02091000 NAHUNTA SWAMP NEAR SHINE, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1954 - 2004	
ANNUAL TOTAL	45,446		26,839.3			
ANNUAL MEAN	125		73.3		84.2	
HIGHEST ANNUAL MEAN					150	1965
LOWEST ANNUAL MEAN					22.9	1986
HIGHEST DAILY MEAN	1,170	Apr 11	730	Dec 15	7,000	Sep 17, 1999
LOWEST DAILY MEAN	18	Jul 1	8.6	Aug 12	1.0	Oct 7, 1954
ANNUAL SEVEN-DAY MINIMUM	25	Jun 25	12	Aug 6	1.1	Aug 9, 2002
MAXIMUM PEAK FLOW			777	Dec 14	23000*	Sep 17, 1999
MAXIMUM PEAK STAGE			8.43	Dec 14	21.00*	Sep 17, 1999
INSTANTANEOUS LOW FLOW			8.3	Aug 12	1.0*	Oct 7, 1954
ANNUAL RUNOFF (CFSM)	1.55		0.912		1.05	
ANNUAL RUNOFF (INCHES)	21.03		12.42		14.24	
10 PERCENT EXCEEDS	269		130		176	
50 PERCENT EXCEEDS	74		51		44	
90 PERCENT EXCEEDS	33		21		11	

* See REMARKS.



02091500 CONTENTNEA CREEK AT HOOKERTON, NC

LOCATION.--Lat 35°25'44", long 77°34'57", Greene County, Hydrologic Unit 03020203, on left bank at bridge on State Highway 123 at Hookerton, and 2.2 mi upstream from Wheat Swamp Creek.

DRAINAGE AREA.--733 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1928 to current year.

REVISED RECORDS.--WSP 1333: 1903-35. WSP 1383: Drainage area. WSP 1503: 1951. WSP 1723: 1932. WDR NC-90-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 14.85 ft above NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Nov. 26, 1934, nonrecording gage at site 1,400 ft upstream and Nov. 27, 1934, to Sept. 30, 1987, water-stage recorder at site 0.3 mi upstream at present datum. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Buckhorn Reservoir (station 02090370) since September 1976. Maximum gage height for period of record from high-water mark inside gage house.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of September 1928 reached a stage of 23.3 ft, from floodmark; high water of autumn 1924 was about 0.1 ft lower, from information by local resident.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	527	1,810	521	852	695	1,180	411	312	268	439	187	477
2	468	1,990	514	776	704	1,230	419	380	217	472	188	830
3	415	2,180	491	724	712	1,250	435	884	182	570	199	1,050
4	371	2,190	460	679	732	1,260	442	1,580	183	682	172	1,360
5	336	2,010	483	652	770	1,230	431	1,900	246	778	180	1,900
6	309	1,690	557	654	805	1,160	410	2,340	531	930	172	2,580
7	290	1,400	655	650	849	1,060	396	3,000	813	1,040	161	3,050
8	276	1,090	721	650	885	942	378	3,380	970	1,020	235	3,040
9	324	967	745	654	897	834	336	3,310	1,160	696	242	2,780
10	405	847	744	655	907	764	296	2,900	1,300	465	187	2,320
11	470	760	1,030	647	934	720	285	2,070	1,310	445	139	1,810
12	482	685	1,190	625	987	678	338	1,340	975	582	112	1,490
13	456	616	1,410	602	1,060	629	441	813	604	527	126	1,400
14	438	549	1,960	596	1,110	582	746	511	429	407	450	1,490
15	440	498	2,610	594	1,190	540	874	395	360	338	1,580	1,630
16	443	474	3,150	574	1,330	502	917	329	302	292	1,510	1,700
17	449	467	3,450	558	1,430	512	964	287	272	235	1,520	1,570
18	445	431	3,640	549	1,510	601	1,010	257	261	189	1,520	1,270
19	426	403	3,730	552	1,540	725	1,030	227	306	159	1,570	1,020
20	390	541	3,630	556	1,550	845	878	203	296	136	1,690	904
21	360	743	3,390	561	1,550	955	653	188	258	119	1,760	841
22	340	865	3,050	561	1,520	1,030	483	177	220	108	1,690	805
23	322	975	2,620	549	1,430	1,060	395	170	186	106	1,400	766
24	305	1,040	2,150	526	1,300	1,020	331	266	186	133	1,040	708
25	286	1,060	1,720	500	1,150	859	289	625	191	236	645	610
26	279	1,010	1,430	489	999	697	262	903	186	253	417	496
27	276	829	1,270	490	946	591	302	1,170	183	198	348	420
28	276	688	1,180	512	1,050	506	332	1,280	303	159	299	410
29	1,010	616	1,120	556	1,130	462	334	1,100	478	138	258	400
30	1,410	547	1,050	612	---	435	319	652	462	129	236	396
31	1,600	---	951	663	---	417	---	363	---	153	265	---
TOTAL	14,624	29,971	51,622	18,818	31,672	25,276	15,137	33,312	13,638	12,134	20,498	39,523
MEAN	472	999	1,665	607	1,092	815	505	1,075	455	391	661	1,317
MAX	1,600	2,190	3,730	852	1,550	1,260	1,030	3,380	1,310	1,040	1,760	3,050
MIN	276	403	460	489	695	417	262	170	182	106	112	396
CFSM	0.64	1.36	2.27	0.83	1.49	1.11	0.69	1.47	0.62	0.53	0.90	1.80
IN.	0.74	1.52	2.62	0.96	1.61	1.28	0.77	1.69	0.69	0.62	1.04	2.01

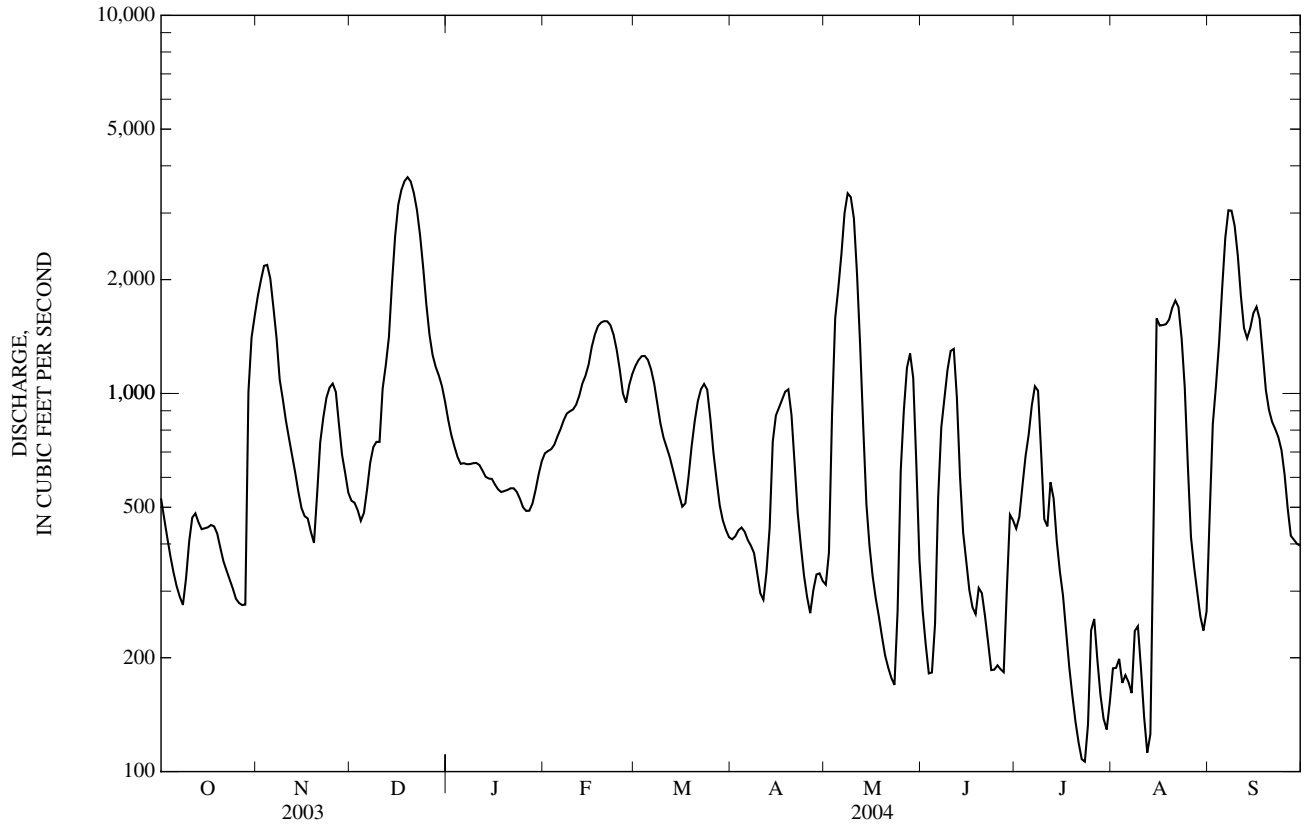
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

MEAN	507	475	691	1,113	1,380	1,446	1,035	594	464	549	637	642
MAX	4,798	2,150	2,349	2,626	4,316	3,491	2,752	3,363	1,770	2,203	2,422	8,825
(WY)	(2000)	(1948)	(1949)	(1993)	(1948)	(1989)	(1989)	(1989)	(1995)	(1929)	(1960)	(1999)
MIN	20.3	41.1	64.7	92.5	239	382	202	82.9	38.5	63.3	37.2	24.9
(WY)	(1955)	(1955)	(1934)	(1934)	(1934)	(1981)	(1986)	(1986)	(1986)	(1952)	(1954)	(1954)

02091500 CONTENTNEA CREEK AT HOOKERTON, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL TOTAL	504,394		306,225			
ANNUAL MEAN	1,382		837		782	
HIGHEST ANNUAL MEAN					1,422	1960
LOWEST ANNUAL MEAN					242	1951
HIGHEST DAILY MEAN	5,300	Apr 14	3,730	Dec 19	31,500	Sep 19, 1999
LOWEST DAILY MEAN	247	Sep 17	106	Jul 23	15	Oct 28, 1933
ANNUAL SEVEN-DAY MINIMUM	282	Sep 11	136	Jul 18	16	Oct 8, 1954
MAXIMUM PEAK FLOW			3,780	Dec 19	31,900	Sep 18, 1999
MAXIMUM PEAK STAGE			13.78	Dec 19	28.28*	Sep 18, 1999
INSTANTANEOUS LOW FLOW			101	Jul 23	15	Oct 28, 1933
ANNUAL RUNOFF (CFSM)	1.89		1.14		1.07	
ANNUAL RUNOFF (INCHES)	25.60		15.54		14.50	
10 PERCENT EXCEEDS	3,130		1,650		1,900	
50 PERCENT EXCEEDS	1,080		616		446	
90 PERCENT EXCEEDS	405		225		87	

* See REMARKS.



02091500 CONTENTNEA CREEK AT HOOKERTON, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1950, 1969-72, 1979 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 1979 to September 1984, April 2002 to August 2004.
WATER TEMPERATURE: October 1949 to September 1950, March 1979 to September 1984, April 2002 to August 2004.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from April 2002 to August 2004. Water-quality monitor from October 1981 to September 1984.

REMARKS.--Station operated as part of NAWQA Program from March 1993 to current year. Station also operated as part of NASQAN network from March 1979 to September 1993. Miscellaneous chemical data published for water years 1945, 1947-49, 1955-67.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	307, August 29, 2002	41, June 11, 1979 (daily)
WATER TEMPERATURE, °C	31.8, August 25, 2002	1.0, January 13, 14, 1981 (daily), January 18, 1982

EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	132, February 1	64, May 7, 8, June 9, July 7, August 14
WATER TEMPERATURE, °C	29.1, July 15	2.7, January 29

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Medium code	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)
OCT													
22...	0830	9	343	750	7.2	76	6.5	105	17.0	15	18	12.6	6.5
DEC													
22...	1345	9	3,030	769	--	--	6.0	72	5.3	5	6	9.23	6.2
FEB													
18...	1245	9	1,060	764	11.0	88	6.4	88	5.8	7	8	12.5	7.0
MAR													
16...	1315	9	499	753	9.9	95	6.4	89	12.9	12	15	12.7	7.0
APR													
14...	1530	9	730	753	7.1	74	6.6	90	17.0	11	14	11.6	6.3
MAY													
13...	1430	9	878	770	4.7	54	5.7	90	22.8	16	20	9.94	5.7
JUN													
09...	1600	9	1,190	767	5.1	68	5.6	66	31.0	8	10	7.37	5.4
JUL													
14...	1400	9	394	752	4.1	54	6.4	95	29.1	13	15	10.0	7.3
AUG													
11...	1100	D	140	762	6.1	73	6.2	103	24.7	--	--	--	--
18...	1500	9	1,520	762	5.6	66	5.8	71	23.3	11	13	7.65	7.1
SEP													
22...	1500	9	801	767	6.0	67	6.5	82	20.8	14	18	9.39	4.2

02091500 CONTENTNEA CREEK AT HOOKERTON, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)
OCT													
22...	--	<.04	--	--	.64	--	E.005	.04	.144	.047	.109	1.16	.4
DEC													
22...	--	<.04	--	--	.75	--	<.008	.04	.043	.014	.058	1.18	.4
FEB													
18...	--	<.04	3.34	.76	.76	.030	.009	.07	.043	.014	.062	1.20	.6
MAR													
16...	--	<.04	3.26	.74	.74	.026	.008	.02	.058	.019	.076	1.21	.3
APR													
14...	--	<.04	2.62	.59	.61	.056	.017	.17	.110	.036	.20	1.49	1.7
MAY													
13...	--	<.04	2.04	.46	.47	.046	.014	.09	.123	.040	.142	1.32	.8
JUN													
09...	--	<.04	1.30	.29	.30	.039	.012	.06	.110	.036	.126	1.07	.6
JUL													
14...	.08	.06	2.54	.57	.58	.026	.008	.06	.199	.065	.150	1.15	.5
AUG													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	<.04	--	--	.35	--	E.004	.09	.132	.043	.126	.99	.9
SEP													
22...	--	E.03	--	--	.39	--	E.005	.04	.156	.051	.120	1.06	.5

Date	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Biomass periphyton, ashfree drymass g/m2 (49954)	Periphyton biomass ash weight, g/m2 (00572)	Periphyton biomass dry weight, g/m2 (00573)	Biomass chlorophyll ratio, periphyton, number (70950)	Pheophytin a, periphyton, mg/m2 (62359)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)
OCT													
22...	<.1	.4	8.6	--	--	--	--	--	--	<.006	<.006	<.006	<.004
DEC													
22...	<.1	.4	9.3	--	--	--	--	--	--	<.006	<.006	<.006	<.005
FEB													
18...	<.1	.6	7.3	--	--	--	--	--	--	<.006	<.006	<.006	<.005
MAR													
16...	<.1	.3	8.4	--	--	--	--	--	--	<.006	<.006	<.006	<.005
APR													
14...	<.1	1.7	9.7	--	--	--	--	--	--	<.006	E.010	<.006	.036
MAY													
13...	<.1	.8	13.1	--	--	--	--	--	--	<.006	E.024	<.006	.037
JUN													
09...	<.1	.6	13.4	--	--	--	--	--	--	<.006	E.013	<.006	.014
JUL													
14...	<.1	.4	10.7	--	--	--	--	--	--	--	--	--	--
AUG													
11...	--	--	--	.4	2.2	2.600	92.8	2.7	4.3	--	--	--	--
18...	<.1	.9	10.5	--	--	--	--	--	--	<.006	<.006	<.006	<.010
SEP													
22...	<.1	.5	10.8	--	--	--	--	--	--	--	--	--	--

02091500 CONTENTNEA CREEK AT HOOKERTON, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)
OCT													
22...	<.005	E.005	<.050	<.010	<.002	E.042	<.020	<.005	<.006	<.018	<.003	<.004	<.005
DEC													
22...	<.005	.009	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005
FEB													
18...	<.005	E.007	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005
MAR													
16...	<.005	.009	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005
APR													
14...	<.005	.267	<.050	<.010	<.004	E.007	<.020	.006	<.006	<.018	<.003	<.012	.006
MAY													
13...	<.005	.426	<.050	<.010	<.004	E.011	<.020	<.005	<.006	<.018	<.003	<.012	<.005
JUN													
09...	<.005	.095	<.050	<.010	<.004	E.028	<.020	<.005	<.006	<.018	<.003	<.012	<.005
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	<.005	.018	<.050	<.010	<.004	E.012	<.020	<.005	<.006	<.018	<.003	<.012	<.005
SEP													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)
OCT													
22...	<.005	<.02	.005	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027
DEC													
22...	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027
FEB													
18...	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027
MAR													
16...	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027
APR													
14...	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027
MAY													
13...	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027
JUN													
09...	<.009	<.02	.005	<.009	<.005	<.029	E.003	E.004	E.019	<.003	<.004	<.035	<.027
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027
SEP													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--

02091500 CONTENTNEA CREEK AT HOOKERTON, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	p,p-' DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome-ton, water, fltrd, ug/L (04037)	Propy-zamide, water, fltrd 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)
OCT													
22...	<.006	E.011	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	E.01	<.004	<.010
DEC													
22...	<.015	.014	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	.01	<.004	<.025
FEB													
18...	<.015	E.013	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	.01	<.004	<.025
MAR													
16...	<.015	E.011	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	.01	<.004	<.025
APR													
14...	<.015	.107	<.006	<.003	<.007	<.003	<.010	.004	<.022	<.011	.01	<.004	<.025
MAY													
13...	<.015	.133	.008	<.003	<.007	<.003	<.010	<.004	<.022	<.011	.02	<.004	<.025
JUN													
09...	<.015	.402	<.006	<.003	E.006	<.003	<.010	<.004	<.022	<.011	.03	<.004	<.025
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	<.015	.026	<.010	<.003	<.007	<.003	<.010	<.004	<.022	<.011	.03	<.004	<.025
SEP													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)
OCT												
22...	<.011	<.02	<.007	<.02	<.034	<.02	<.005	<.002	<.009	91	20	19
DEC												
22...	<.011	<.02	.018	<.02	<.034	<.02	<.010	<.002	<.009	91	6	49
FEB												
18...	<.011	<.02	.047	M	<.034	<.02	<.010	<.002	<.009	95	13	37
MAR												
16...	<.011	<.02	.088	<.02	<.034	<.02	<.010	<.002	<.009	92	11	15
APR												
14...	<.011	<.02	.035	<.02	<.034	<.02	<.010	<.002	.016	74	50	99
MAY												
13...	<.011	<.02	.068	<.02	<.034	<.02	<.010	<.002	<.009	92	17	40
JUN												
09...	<.011	<.02	.040	<.02	<.034	<.02	<.010	<.002	<.009	83	15	48
JUL												
14...	--	--	--	--	--	--	--	--	--	90	10	11
AUG												
11...	--	--	--	--	--	--	--	--	--	--	--	--
18...	<.011	<.02	.015	<.02	<.034	<.02	<.010	<.002	<.009	97	47	193
SEP												
22...	--	--	--	--	--	--	--	--	--	96	8	17

Remark codes used in this table:
< -- Less than
E -- Estimated value
M-- Presence verified, not quantified

Medium codes used in this table:
9 -- Surface water
D -- Plant tissue

02091500 CONTENTNEA CREEK AT HOOKERTON, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	103	101	102	92	88	91	103	101	103	93	91	92
2	104	102	103	89	80	84	104	102	103	95	93	94
3	105	103	104	80	77	78	108	102	104	97	95	95
4	106	104	105	77	76	77	103	98	102	98	96	96
5	110	106	107	83	77	80	101	99	100	99	97	98
6	111	108	110	88	82	86	104	100	102	99	98	98
7	111	109	111	94	87	90	105	101	103	98	97	97
8	114	111	113	96	93	94	105	103	104	98	97	97
9	113	111	112	100	96	98	105	99	103	110	97	100
10	115	113	114	103	99	101	99	94	97	112	97	101
11	116	112	114	104	98	101	96	94	95	100	96	98
12	117	111	114	106	100	104	96	90	93	101	96	98
13	120	116	117	106	105	106	92	87	89	105	99	101
14	123	118	121	108	105	106	87	79	83	105	101	103
15	118	114	116	109	106	107	82	76	78	103	100	101
16	114	112	114	110	108	109	77	73	74	103	101	101
17	112	109	111	111	109	110	74	71	72	104	101	102
18	109	108	108	112	110	111	71	69	70	102	101	101
19	111	107	109	110	104	107	70	69	69	103	101	102
20	115	111	113	106	104	105	70	69	69	103	101	102
21	115	112	114	107	105	107	72	70	71	102	100	101
22	112	108	109	111	107	108	75	72	73	106	101	103
23	108	107	107	111	108	110	79	74	76	105	101	103
24	112	108	110	108	98	103	84	78	81	102	100	101
25	115	111	113	100	97	98	88	84	87	106	101	102
26	115	113	114	98	96	97	89	86	88	113	103	108
27	120	114	116	97	96	97	91	88	90	116	106	110
28	118	113	116	99	97	98	91	87	90	115	103	108
29	114	102	106	101	99	100	90	88	89	107	103	105
30	102	93	97	101	98	100	91	88	90	108	104	106
31	93	91	92	---	---	---	92	88	91	131	107	113
MONTH	123	91	110	112	76	99	108	69	88	131	91	101
		FEBRUARY			MARCH			APRIL			MAY	
1	132	116	125	103	100	101	106	99	102	111	107	108
2	120	111	114	102	99	101	102	100	101	114	103	110
3	114	110	111	101	96	99	102	100	101	104	86	96
4	111	106	108	98	95	97	104	102	104	86	78	82
5	106	103	104	96	94	95	107	104	105	78	76	77
6	109	103	104	95	94	94	106	102	104	77	68	72
7	112	104	110	96	95	95	---	---	---	68	64	66
8	108	99	103	96	96	96	---	---	---	65	64	64
9	102	98	99	98	96	97	---	---	---	67	65	66
10	100	97	99	100	98	99	---	---	---	71	67	69
11	99	91	95	99	97	99	---	---	---	76	71	73
12	96	90	91	99	98	99	---	---	---	84	76	81
13	93	91	92	100	96	99	107	103	105	86	82	84
14	94	92	93	102	99	100	107	95	100	92	86	89
15	98	94	96	102	101	101	96	93	94	96	92	94
16	101	96	98	103	102	102	94	92	94	98	95	96
17	98	96	97	104	102	103	93	89	91	101	98	99
18	97	95	97	104	103	103	89	85	87	106	100	103
19	97	95	96	105	102	104	85	83	84	108	105	107
20	96	93	95	102	93	98	86	84	85	108	107	107
21	95	94	94	93	91	92	90	86	88	107	106	106
22	95	94	95	91	89	90	94	90	91	108	104	105
23	96	95	96	89	87	88	96	93	94	109	105	106
24	98	96	97	88	87	87	98	96	97	106	103	104
25	99	97	98	89	88	88	101	97	99	121	100	111
26	99	98	98	91	89	90	104	101	103	100	67	79
27	102	98	100	95	91	93	103	102	103	68	65	66
28	103	99	101	99	95	97	103	102	102	69	66	67
29	101	99	100	101	98	99	104	102	103	73	68	70
30	---	---	---	102	100	101	108	103	106	77	73	75
31	---	---	---	102	101	102	---	---	---	88	77	83
MONTH	132	90	100	105	87	97	---	---	---	121	64	88

02091500 CONTENTNEA CREEK AT HOOKERTON, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	93	88	90	102	95	99	111	103	106	---	---	---
2	98	93	96	95	91	92	107	102	105	---	---	---
3	101	98	99	91	88	89	115	103	108	---	---	---
4	108	101	104	89	80	85	117	114	116	---	---	---
5	105	94	99	81	76	79	118	115	116	---	---	---
6	105	98	102	77	68	72	117	113	115	---	---	---
7	102	87	95	68	64	66	114	110	112	---	---	---
8	87	66	81	69	65	67	121	110	116	---	---	---
9	76	64	69	74	69	71	114	110	112	---	---	---
10	69	65	66	81	74	76	117	110	114	---	---	---
11	75	68	70	79	77	78	112	104	109	---	---	---
12	79	72	75	83	79	82	111	104	106	---	---	---
13	80	76	77	79	74	76	107	101	104	---	---	---
14	90	80	84	92	79	85	108	64	91	---	---	---
15	95	87	89	99	92	96	80	67	75	---	---	---
16	97	91	94	100	96	98	---	---	---	---	---	---
17	99	96	97	97	92	94	---	---	---	---	---	---
18	99	98	99	94	93	93	---	---	---	---	---	---
19	99	97	98	94	93	94	72	67	70	---	---	---
20	101	99	100	99	94	96	70	65	67	---	---	---
21	104	100	101	104	99	102	70	65	67	---	---	---
22	110	104	108	109	103	106	---	---	---	---	---	---
23	109	106	107	113	108	110	---	---	---	---	---	---
24	110	107	108	112	110	111	---	---	---	---	---	---
25	110	103	107	114	109	111	---	---	---	---	---	---
26	105	102	104	122	110	114	---	---	---	---	---	---
27	105	101	103	129	118	121	---	---	---	---	---	---
28	104	96	101	130	113	122	---	---	---	---	---	---
29	106	103	105	115	111	113	---	---	---	---	---	---
30	107	102	105	114	107	111	---	---	---	---	---	---
31	---	---	---	111	106	108	---	---	---	---	---	---
MONTH	110	64	94	130	64	94	---	---	---	---	---	---

02091500 CONTENTNEA CREEK AT HOOKERTON, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20.6	19.6	20.1	15.0	14.7	14.8	11.0	10.6	10.8	7.6	7.3	7.5
2	19.9	19.0	19.4	15.3	14.9	15.1	10.6	9.6	10.2	8.0	7.5	7.8
3	19.0	17.8	18.3	15.9	15.3	15.5	9.6	8.4	8.9	8.8	8.0	8.3
4	18.5	17.4	18.0	17.2	15.9	16.6	8.4	8.0	8.1	10.3	8.8	9.6
5	18.9	17.8	18.4	18.2	17.2	17.7	8.1	8.0	8.0	12.3	10.3	11.2
6	18.8	17.8	18.4	19.3	18.2	18.7	8.0	7.6	7.9	12.6	11.8	12.4
7	18.9	18.2	18.5	19.7	19.3	19.6	7.6	6.9	7.2	11.8	9.9	10.8
8	18.8	18.5	18.6	19.6	18.2	19.0	6.9	6.5	6.7	9.9	8.6	9.2
9	19.6	18.5	19.0	18.2	16.2	17.2	6.6	6.1	6.4	8.6	7.2	7.9
10	19.5	19.1	19.3	16.2	15.3	15.7	8.1	6.4	6.8	7.2	5.5	6.3
11	19.4	19.0	19.2	15.3	14.8	15.0	9.2	8.1	8.7	5.5	4.2	4.7
12	19.7	18.8	19.2	15.4	14.7	15.0	9.2	8.5	8.9	4.5	3.9	4.2
13	20.2	19.0	19.6	15.6	14.4	15.2	9.2	8.7	8.9	4.9	4.2	4.5
14	19.9	19.5	19.6	14.4	13.0	13.7	8.7	8.1	8.4	5.0	4.5	4.7
15	19.6	18.7	19.2	13.1	12.6	12.9	8.1	7.3	7.6	5.6	4.7	5.1
16	18.8	17.8	18.2	13.6	12.9	13.2	7.3	6.9	7.1	5.6	5.1	5.3
17	18.0	17.1	17.6	14.2	13.5	13.9	7.7	7.2	7.5	5.4	4.9	5.2
18	17.7	17.0	17.4	14.8	13.9	14.3	7.5	7.1	7.3	6.7	5.3	6.0
19	17.0	16.0	16.5	15.6	14.7	15.2	7.1	6.8	7.0	7.0	6.4	6.7
20	16.9	15.9	16.4	15.5	14.8	15.2	6.8	6.3	6.6	6.4	5.7	6.0
21	17.3	16.2	16.8	14.8	14.3	14.6	6.3	5.6	5.9	5.7	5.1	5.3
22	17.8	17.0	17.3	14.5	14.0	14.2	5.6	5.4	5.5	5.3	4.7	5.1
23	17.1	16.0	16.4	14.2	13.6	13.8	6.2	5.5	5.7	5.2	4.6	4.9
24	16.0	15.1	15.5	13.9	13.3	13.6	7.7	6.2	7.0	5.3	4.5	4.9
25	15.3	14.9	15.1	13.9	13.0	13.6	7.8	7.4	7.6	5.0	3.7	4.5
26	16.0	15.2	15.6	13.0	12.7	12.8	7.4	7.1	7.2	3.7	3.3	3.5
27	16.9	16.0	16.5	12.7	12.2	12.4	7.2	7.0	7.1	3.4	3.2	3.3
28	16.9	16.5	16.8	13.7	12.4	13.1	7.0	6.5	6.7	3.4	2.8	3.1
29	16.5	15.1	15.9	13.5	11.6	12.6	6.8	6.3	6.5	3.4	2.7	3.1
30	15.6	14.9	15.2	11.6	11.0	11.3	7.7	6.8	7.3	3.8	3.1	3.4
31	15.2	14.7	14.9	---	---	---	7.7	7.1	7.4	3.8	3.4	3.6
MONTH	20.6	14.7	17.6	19.7	11.0	14.8	11.0	5.4	7.5	12.6	2.7	6.1
		FEBRUARY			MARCH			APRIL			MAY	
1	3.7	3.2	3.5	9.1	7.8	8.3	16.3	15.7	16.1	20.0	19.6	19.8
2	4.1	3.2	3.6	11.2	9.1	10.2	15.7	14.8	15.2	20.5	19.5	20.0
3	4.8	4.1	4.5	13.1	11.2	12.1	15.0	14.1	14.6	20.4	18.9	19.9
4	5.2	4.5	4.9	15.0	13.1	14.0	15.5	14.3	14.9	18.9	17.8	18.1
5	5.8	5.2	5.5	16.5	15.0	15.8	14.9	14.1	14.5	17.8	17.3	17.6
6	7.7	5.8	6.5	17.2	16.5	17.0	14.7	13.5	14.2	18.5	17.7	18.0
7	9.0	7.7	8.5	17.6	16.9	17.3	---	---	---	19.1	18.4	18.7
8	8.9	8.3	8.6	17.4	16.0	16.7	---	---	---	20.0	19.1	19.5
9	8.5	8.1	8.3	16.0	15.0	15.3	---	---	---	20.8	19.9	20.2
10	8.6	8.3	8.4	15.0	13.5	14.2	---	---	---	21.7	20.8	21.2
11	8.4	8.1	8.3	13.5	12.5	13.1	---	---	---	22.6	21.7	22.1
12	8.3	7.7	8.1	13.3	12.5	13.0	---	---	---	22.8	22.4	22.6
13	8.2	7.4	7.8	13.2	12.6	12.9	17.6	16.4	16.9	23.2	22.4	22.7
14	8.1	7.9	8.0	12.9	12.4	12.7	17.4	16.4	17.0	23.7	22.7	23.2
15	8.1	7.7	8.0	13.2	12.8	13.0	16.4	15.7	16.1	24.2	23.1	23.6
16	7.7	6.9	7.2	13.7	13.1	13.4	16.3	15.5	16.0	24.5	23.4	24.0
17	7.1	6.0	6.6	13.5	12.6	13.2	16.8	15.9	16.3	24.7	23.6	24.1
18	6.3	5.8	6.1	12.7	12.1	12.5	17.8	16.8	17.3	24.6	23.5	24.1
19	6.6	6.0	6.2	13.5	12.5	13.0	19.1	17.8	18.4	24.9	23.6	24.3
20	7.6	6.6	7.0	13.2	12.6	12.9	20.1	19.0	19.5	25.3	23.8	24.6
21	9.1	7.6	8.4	13.9	13.2	13.6	20.7	20.0	20.3	26.1	24.5	25.3
22	9.5	9.0	9.2	13.6	13.1	13.3	21.4	20.5	20.9	26.9	25.2	26.1
23	9.8	9.4	9.6	13.1	12.6	12.8	22.3	20.8	21.5	27.1	25.8	26.4
24	9.9	9.6	9.8	12.8	12.3	12.6	22.4	21.6	22.0	26.3	25.0	25.8
25	9.7	9.2	9.5	13.5	12.4	13.0	22.0	21.3	21.7	26.3	25.7	26.1
26	9.5	7.6	8.6	14.5	13.3	13.9	22.4	21.2	21.8	25.7	25.2	25.5
27	7.7	7.0	7.4	15.7	14.4	15.0	21.8	20.8	21.2	25.9	25.4	25.7
28	7.6	6.6	7.2	16.8	15.7	16.3	20.8	19.7	20.2	26.1	25.7	25.9
29	7.9	7.0	7.4	16.8	15.9	16.3	20.2	19.1	19.7	26.0	25.7	25.9
30	---	---	---	16.6	15.8	16.2	20.4	19.2	19.8	25.8	24.8	25.3
31	---	---	---	16.6	16.0	16.3	---	---	---	25.2	24.5	24.8
MONTH	9.9	3.2	7.3	17.6	7.8	13.9	---	---	---	27.1	17.3	22.9

02091500 CONTENTNEA CREEK AT HOOKERTON, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	25.8	24.6	25.2	26.5	25.3	25.8	27.7	26.8	27.3	---	---	---
2	25.9	24.4	25.2	26.8	25.7	26.2	27.6	26.8	27.2	---	---	---
3	26.6	24.9	25.8	26.6	25.9	26.2	27.3	26.4	26.8	---	---	---
4	26.3	24.5	25.7	26.3	25.4	25.9	28.0	26.2	27.2	---	---	---
5	24.7	23.6	24.1	26.9	25.9	26.4	28.6	27.1	27.9	---	---	---
6	24.4	23.6	24.0	27.0	26.4	26.7	28.1	26.5	27.3	---	---	---
7	23.7	23.0	23.4	27.6	26.8	27.2	26.5	24.9	25.6	---	---	---
8	24.0	23.5	23.7	28.0	27.3	27.6	25.6	24.3	25.0	---	---	---
9	24.4	23.8	24.1	28.4	27.5	27.9	25.4	24.4	24.9	---	---	---
10	25.0	24.1	24.5	29.0	27.8	28.3	25.8	24.3	25.1	---	---	---
11	25.9	25.0	25.4	28.4	27.1	27.7	26.1	24.6	25.4	---	---	---
12	25.9	24.9	25.5	27.7	27.0	27.3	25.8	25.1	25.5	---	---	---
13	24.9	24.2	24.5	28.2	26.8	27.4	25.3	24.4	24.7	---	---	---
14	25.0	24.1	24.5	29.0	27.7	28.3	24.5	22.1	23.5	---	---	---
15	25.7	24.3	25.0	29.1	28.2	28.6	22.1	21.6	21.7	---	---	---
16	25.7	25.1	25.4	28.7	27.7	28.3	22.6	21.8	22.1	---	---	---
17	25.9	24.8	25.3	28.2	27.3	27.8	23.0	22.2	22.6	---	---	---
18	27.1	25.4	26.2	27.5	26.8	27.1	23.5	22.8	23.1	---	---	---
19	28.0	26.5	27.2	27.1	26.1	26.7	24.3	23.4	23.8	---	---	---
20	27.7	26.9	27.3	27.8	26.0	26.9	25.0	24.3	24.6	---	---	---
21	27.0	26.0	26.6	28.2	26.7	27.5	25.5	24.9	25.2	---	---	---
22	27.0	25.7	26.4	28.2	27.1	27.7	25.6	25.3	25.5	---	---	---
23	28.0	26.3	27.1	27.8	27.0	27.3	25.4	25.0	25.3	---	---	---
24	27.5	26.6	27.0	27.2	26.5	26.8	25.3	24.8	25.1	---	---	---
25	27.5	26.1	26.8	26.9	26.1	26.5	25.4	24.6	25.0	---	---	---
26	27.1	26.4	26.8	27.6	26.2	26.8	25.5	24.9	25.2	---	---	---
27	26.4	25.4	26.0	28.3	26.9	27.6	25.8	24.9	25.3	---	---	---
28	26.1	25.4	25.7	28.3	27.5	27.9	26.3	25.1	25.7	---	---	---
29	26.0	25.0	25.5	28.4	27.2	27.7	26.5	25.7	26.1	---	---	---
30	26.1	25.4	25.7	28.5	27.1	27.8	26.1	25.1	25.5	---	---	---
31	---	---	---	28.0	27.1	27.6	25.6	24.6	25.1	---	---	---
MONTH	28.0	23.0	25.5	29.1	25.3	27.3	28.6	21.6	25.2	---	---	---

0209173150 UNNAMED TRIBUTARY TO SANDY RUN AT SECONDARY ROAD 1335 NEAR LIZZIE, NC

LOCATION.--Lat 35°31'03", long 77°33'52", Greene County, Hydrologic Unit 03020203, at Secondary Road 1335, approximately 6.0 mi south of Farmville.

DRAINAGE AREA.--0.34 mi^2

PERIOD OF RECORD.--Water years 1999 to current year.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources and the U.S. Environmental Protection Agency to examine nutrient loadings as part of the Lizzie research site water-quality monitoring project.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Flow rate, instantaneous gal/min (00059)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT													
03...	1045	36.9	773	7.4	74	6.1	183	15.0	15.3	--	--	--	--
FEB													
11...	1055	37.5	770	10.4	86	6.0	136	13.0	7.7	36	10.1	2.64	2.91
AUG													
15...	1235	360	768	6.8	75	5.1	161	22.0	20.9	42	12.1	2.96	7.45
17...	1205	205	--	6.4	--	4.8	164	--	21.7	--	--	--	--

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, fltrd, mg/L (00607)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)
OCT													
03...	--	--	--	--	--	.56	.62	.13	3.80	E.005	.43	.50	E.01
FEB													
11...	6.27	3	20.2	12.1	69	.37	.42	.09	2.95	<.008	.28	.33	<.02
AUG													
15...	5.52	4	16.6	23.1	87	.76	.86	<.04	3.88	<.008	--	--	.03
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, ug/L (01046)
OCT						
03...	.025	.080	4.4	4.4	--	--
FEB						
11...	.012	.042	3.3	3.4	5.5	327
AUG						
15...	.047	.088	4.6	4.7	--	271
17...	--	--	--	--	--	--

0209173190 UNNAMED TRIBUTARY TO SANDY RUN NEAR LIZZIE, NC

LOCATION.--Lat 35°31'31", long 77°33'46", Greene County, Hydrologic Unit 03020203, approximately 6.0 mi south of Farmville.

DRAINAGE AREA.-- Aproximately 0.57 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1999 to September 2001, June 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 48.50 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records poor. Station operated in cooperation with the U.S. Environmental Protection Agency and the North Carolina Department of Environment and Natural Resources to monitor water quality changes in an agricultural watershed. Maximum discharge for period of record from rating curve extended above 10 ft^3/s by logarithmic plotting. No flow occurs on many days during most years. Discharge for period Oct. 2001 to May 2002 not published due to beaver activity affecting the accuracy of the data.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.38	1.1	0.32	0.35	0.28	0.79	0.10	0.19	0.01	e0.04	0.01	0.22
2	0.33	0.86	0.29	0.33	0.26	0.64	0.08	0.55	0.01	0.05	0.17	0.09
3	0.30	0.69	0.29	0.32	0.40	0.52	0.07	4.2	0.00	0.05	0.04	0.05
4	0.30	0.59	0.34	0.32	0.39	0.45	0.06	2.0	0.05	0.02	0.02	0.04
5	0.25	1.0	0.53	0.31	0.34	0.39	0.08	0.80	0.02	0.02	0.01	0.04
6	0.23	2.5	0.40	0.30	0.32	0.36	0.07	0.44	0.01	0.01	0.01	0.05
7	0.21	3.3	0.34	0.26	0.31	0.44	0.05	0.27	0.02	0.01	0.01	0.07
8	0.23	1.6	0.31	0.26	0.24	0.61	0.05	0.16	0.01	0.01	0.00	0.09
9	0.87	1.1	0.29	0.29	0.23	0.47	0.07	0.11	0.00	0.00	0.00	0.11
10	0.65	0.85	2.7	0.28	0.23	0.48	0.12	0.06	0.00	0.00	0.00	0.05
11	0.54	0.72	5.1	0.25	0.21	0.50	0.09	0.03	0.00	0.00	0.00	0.03
12	0.45	0.62	2.0	0.27	0.78	0.47	0.30	0.16	0.00	0.00	0.00	0.03
13	0.37	0.52	1.2	0.27	0.84	0.35	0.33	0.13	0.00	0.00	0.06	0.02
14	0.43	0.43	6.5	0.26	0.83	0.29	0.29	0.08	0.00	0.00	8.9	0.02
15	0.50	0.41	3.9	0.25	1.4	0.31	0.22	0.07	0.00	0.00	3.1	0.03
16	0.36	0.38	2.2	0.21	2.5	0.66	0.16	0.06	0.00	0.00	1.7	0.02
17	0.31	0.35	2.5	0.20	2.1	e0.50	0.13	0.04	0.01	0.00	0.71	0.11
18	0.29	0.34	1.9	0.27	1.7	0.24	0.08	0.04	0.03	0.00	0.41	0.22
19	0.26	0.93	1.3	0.24	1.2	0.24	0.06	0.05	0.04	0.00	0.27	0.14
20	0.23	1.1	0.99	0.21	0.87	0.20	0.04	0.02	0.01	0.01	0.17	0.08
21	0.22	0.71	0.78	0.20	0.68	0.20	0.04	0.02	0.00	0.00	0.11	0.05
22	0.19	0.56	0.70	0.20	0.52	0.16	0.04	0.02	0.00	0.00	0.16	0.04
23	0.17	0.48	0.63	0.18	0.45	0.14	0.03	0.04	0.00	0.03	0.09	0.03
24	0.15	0.46	0.80	0.16	0.43	0.14	0.06	0.05	0.01	0.02	0.05	0.03
25	0.16	0.43	0.69	0.16	0.37	0.13	0.06	0.02	0.01	0.01	0.05	0.02
26	0.18	0.40	0.57	0.21	0.42	e0.12	0.11	0.02	0.02	0.01	0.09	0.02
27	0.18	0.38	0.50	0.25	2.3	0.10	0.22	0.01	0.02	0.00	e0.10	0.03
28	0.50	0.39	0.45	0.33	1.7	0.10	0.12	0.01	0.13	0.00	e0.08	0.10
29	10	0.36	0.43	0.34	1.1	0.11	0.11	0.01	0.05	0.00	0.06	0.04
30	3.1	0.34	0.41	0.38	---	0.14	0.12	0.02	0.06	0.00	0.14	0.04
31	1.7	---	0.36	0.33	---	0.14	---	0.02	---	0.01	0.16	---
TOTAL	24.04	23.90	39.72	8.19	23.40	10.39	3.36	9.70	0.52	0.30	16.68	1.91
MEAN	0.78	0.80	1.28	0.26	0.81	0.34	0.11	0.31	0.02	0.01	0.54	0.06
MAX	10	3.3	6.5	0.38	2.5	0.79	0.33	4.2	0.13	0.05	8.9	0.22
MIN	0.15	0.34	0.29	0.16	0.21	0.10	0.03	0.01	0.00	0.00	0.00	0.02
CFSM	1.36	1.40	2.25	0.46	1.42	0.59	0.20	0.55	0.03	0.02	0.94	0.11
IN.	1.57	1.56	2.59	0.53	1.53	0.68	0.22	0.63	0.03	0.02	1.09	0.12

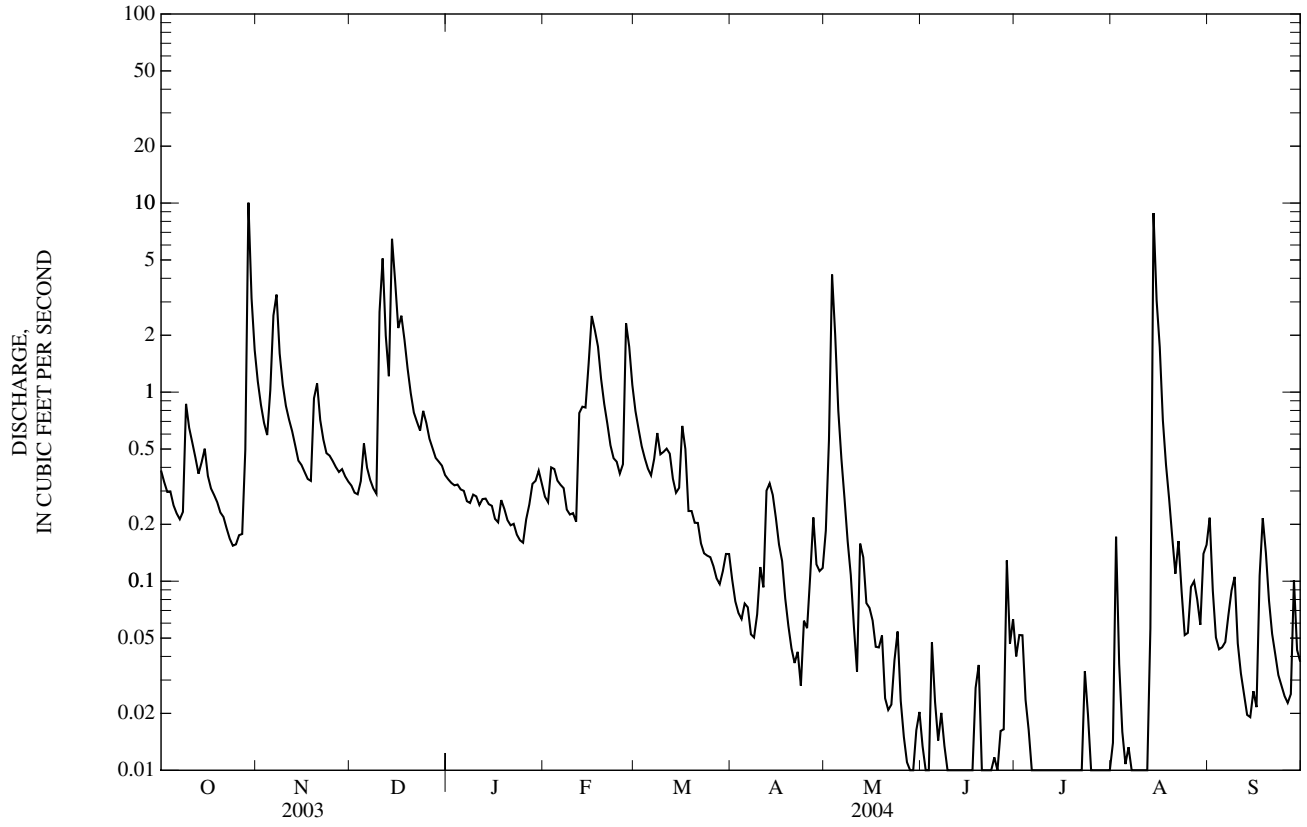
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004,@ BY WATER YEAR (WY)

MEAN	0.75	0.47	0.58	0.23	0.65	0.76	0.40	0.66	0.25	0.17	0.53	2.86
MAX	2.06	0.80	1.28	0.28	1.04	1.49	1.06	2.60	1.13	0.62	2.39	15.4
(WY)	(2000)	(2004)	(2004)	(2000)	(2003)	(2003)	(2003)	(2003)	(2001)	(2003)	(2003)	(1999)
MIN	0.08	0.05	0.09	0.13	0.20	0.30	0.11	0.08	0.02	0.01	0.00	0.00
(WY)	(2003)	(2001)	(2001)	(2001)	(2001)	(2000)	(2004)	(2001)	(2004)	(2000)	(2002)	(2002)

0209173190 UNNAMED TRIBUTARY TO SANDY RUN NEAR LIZZIE, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004[@]	
ANNUAL TOTAL	409.58		162.11			
ANNUAL MEAN	1.12		0.44		0.54	
HIGHEST ANNUAL MEAN					1.01	2003
LOWEST ANNUAL MEAN					0.31	2001
HIGHEST DAILY MEAN	19	Aug 10	10	Oct 29	283	Sep 16, 1999
LOWEST DAILY MEAN	0.02	Jun 24	0.00	Jun 3	0.00	Jun 10, 1999
ANNUAL SEVEN-DAY MINIMUM	0.02	Jun 24	0.00	Jun 9	0.00	Jul 30, 1999
MAXIMUM PEAK FLOW			93	Aug 14	500	Sep 16, 1999
MAXIMUM PEAK STAGE			3.00	Aug 14	5.18	Sep 16, 1999
INSTANTANEOUS LOW FLOW			0.00*	Jun 2	0.00*	Jun 10, 1999
ANNUAL RUNOFF (CFSM)	1.97		0.777		0.950	
ANNUAL RUNOFF (INCHES)	26.73		10.58		12.90	
10 PERCENT EXCEEDS	2.9		0.87		1.1	
50 PERCENT EXCEEDS	0.44		0.19		0.18	
90 PERCENT EXCEEDS	0.13		0.01		0.01	

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



0209173190 UNNAMED TRIBUTARY TO SANDY RUN NEAR LIZZIE, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1999 to current year.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources and the U.S. Environmental Protection Agency to examine nutrient loadings as part of the Lizzie research site water-quality monitoring project.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Flow rate, instantaneous gal/min (00059)	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
OCT													
03...	1200	139	.31	773	7.9	75	6.7	257	16.0	13.4	--	--	--
FEB													
11...	1245	94.2	.21	769	10.1	85	6.5	194	13.0	8.2	51	14.8	3.42
AUG													
15...	1405	628	1.4	767	7.1	79	5.7	193	22.0	20.8	52	15.4	3.35
17...	1245	314	.70	--	7.2	--	5.7	204	--	20.4	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, fltrd, mg/L (00607)	Organic nitrogen, water, unfltrd mg/L (00605)
OCT													
03...	--	--	--	--	--	--	1.9	2.0	1.32	8.25	.106	.62	.65
FEB													
11...	4.76	8.83	13	24.4	10.4	102	1.5	1.6	1.15	5.78	.021	.31	.40
AUG													
15...	8.21	7.76	5	22.6	20.7	104	1.3	1.3	.54	5.05	.008	.75	.73
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, ug/L (01046)
OCT							
03...	<.02	.011	.054	10	10	--	--
FEB							
11...	<.02	.009	.039	7.2	7.3	4.1	220
AUG							
15...	.02	.039	.100	6.3	6.3	--	278
17...	--	--	--	--	--	--	--

353137077332801 WEATHER STATION #2 NEAR LIZZIE, NC

LOCATION.--Lat 35°31'38", long 77°33'27", Greene County, Hydrologic Unit 03020203, approximately 6.0 mi south of Farmville.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1999 to current year.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources and the U.S. Environmental Protection Agency to examine nutrient loadings as part of the Lizzie research site water-quality monitoring project. Formerly published as station number, 0209173196. Station moved to current location on December 13, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	End time	Precip-itation total, inches (00045)	Baro-metric pres-sure, mm Hg (00025)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Chlor-ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)
FEB													
12-13	0445	1030	.78	770	5.0	6	10.0	8.2	E.005	E.07	.03	.56	.042
JUN													
16-17	1430	1130	.58	766	5.8	14	29.0	27.0	--	--	--	--	.742
AUG													
12-13	1730	1300	1.12	759	5.3	5	30.0	25.3	E.005	<.10	.14	.36	.078

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)
FEB			
12-13	.140	.002	<.006
JUN			
16-17	.167	.003	<.006
AUG			
12-13	.069	E.001	<.006

353137077332801 WEATHER STATION #2 NEAR LIZZIE, NC—Continued

LOCATION.--Lat 35°31'43", long 77°33'28", Greene County, Hydrologic Unit 03020203, approximately 6.0 mi south of Farmville.

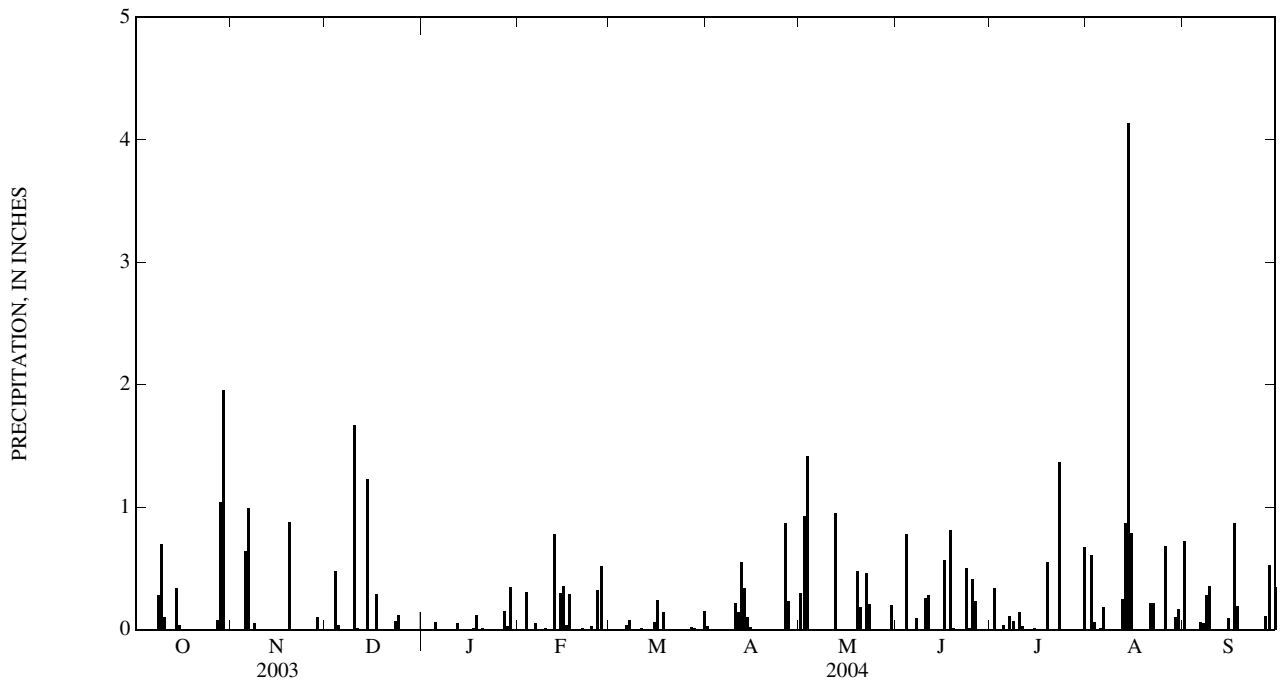
PERIOD OF RECORD.--November 2000 to current year.

GAGE.--Tipping-bucket raingage and data collection platform. Satellite telemetry at station.

REMARKS.--Precipition gage is operated in cooperation with the U.S. Environmental Protection Agency and the North Carolina Department of Environment and Natural Resources to monitor water quality changes in an agricultural watershed. Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.30	0.00	---	0.00	0.72
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.34	0.61	0.00
3	0.00	0.00	0.00	0.00	0.31	0.00	0.00	1.42	0.00	0.00	0.06	0.00
4	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0.00	0.78	0.00	0.00	0.00
5	0.00	0.64	0.04	0.06	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.00
6	0.00	0.99	0.00	0.00	0.05	0.04	0.00	0.00	0.00	0.00	0.18	0.06
7	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.09	0.11	0.00	0.05
8	0.28	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.28
9	0.70	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.36
10	0.10	0.00	1.67	0.00	0.00	0.00	0.22	0.00	0.26	0.14	0.00	0.00
11	0.00	0.00	0.01	0.00	0.00	0.01	0.14	0.00	0.28	0.03	0.00	0.00
12	0.00	0.00	0.00	0.05	0.78	0.00	0.55	0.95	0.00	0.00	0.25	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.87	0.00
14	0.34	0.00	1.23	0.00	0.30	0.00	0.10	0.00	0.00	0.00	4.14	0.00
15	0.04	0.00	0.00	0.00	0.36	0.06	0.02	0.00	0.00	0.01	0.79	0.09
16	0.00	0.00	0.00	0.00	0.04	0.24	0.00	0.00	0.57	0.00	0.00	0.00
17	0.00	0.00	0.29	0.01	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.87
18	0.00	0.00	0.00	0.12	0.00	0.14	0.00	0.00	0.81	0.00	0.00	0.19
19	0.00	0.88	0.00	0.00	0.00	0.00	0.00	0.48	0.01	0.55	0.00	0.00
20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.22	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.22	0.00
23	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.21	0.50	1.37	0.00	0.00
24	0.00	0.00	0.12	0.00	0.03	0.00	0.00	0.00	0.01	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.32	0.00	0.87	0.00	0.23	0.00	0.68	0.00
27	0.08	0.00	0.00	0.15	0.52	0.02	0.23	0.00	0.00	0.00	0.00	0.11
28	1.04	0.10	0.00	0.03	0.00	0.01	0.00	0.00	---	0.00	0.00	0.53
29	1.96	0.00	0.00	0.35	0.00	0.00	0.00	0.00	---	0.00	0.10	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.20	---	0.00	0.17	0.35
31	0.00	---	0.00	0.00	---	0.15	---	0.00	---	0.67	0.00	---
TOTAL	4.54	2.66	3.91	0.78	3.02	0.75	2.50	5.13	---	---	8.30	3.61



353119077332001 MIDDLE DRAINAGE DITCH (MS4-D3) NEAR WILLOW GREEN, NC

LOCATION.--Lat 35°31'19", long 77°33'20", Greene County, Hydrologic Unit 03020203, east of Secondary Road 1345 and 1.4 mi west-northwest of Willow Green.

DRAINAGE AREA.-- Indeterminate.

PERIOD OF RECORD.--February 2003 to current year.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources and the U.S. Environmental Protection Agency to examine nutrient loadings from field drainage ditches as part of the Lizzie research site water-quality monitoring project.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Flow rate, instantaneous gal/min (00059)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT													
03...	1235	3.0	772	5.4	59	4.7	554	18.0	19.9	--	--	--	--
FEB													
11...	1000	6.2	770	8.6	73	4.1	546	10.5	8.5	120	32.3	10.1	16.4
AUG													
15...	1505	250	768	5.7	64	5.6	154	21.5	22.0	26	6.57	2.40	17.0
17...	1335	19.4	--	4.4	--	4.2	560	--	22.0	--	--	--	--

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)
OCT													
03...	--	--	--	--	--	.39	.48	<.04	29.0	<.008	.02	.032	.043
FEB													
11...	23.9	--	65.3	28.8	--	.31	.27	<.04	28.6	<.008	E.01	.012	.019
AUG													
15...	5.89	8	16.7	6.0	89	1.5	1.8	E.03	6.46	.008	.33	.37	.70
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, ug/L (01046)
OCT				
03...	29	29	--	--
FEB				
11...	29	29	1.7	15
AUG				
15...	7.9	8.3	--	126
17...	--	--	--	--

353125077332501 TILE DRAIN (MS4-T2) MIDDLE SWAMP TRIBUTARY NEAR WILLOW GREEN, NC

LOCATION.--Lat 35°31'25", long 77°33'25", Greene County, Hydrologic Unit 03020203, approximately 0.1 mi west of Secondary Road 1345 and 1.5 mi west-northwest of Willow Green.

DRAINAGE AREA.-- Not applicable.

PERIOD OF RECORD.--August 2000 to August 2001, February 2003 to current year.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources and the U.S. Environmental Protection Agency to examine nutrient loadings from subsurface tile drains as part of the Lizzie research site water-quality monitoring project.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Flow rate, instan-taneous gal/min (00059)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)
OCT													
03...	1325	2.2	769	6.8	74	4.8	550	19.0	19.8	--	--	--	--
AUG													
15...	1630	162	768	8.3	88	4.2	653	22.0	18.5	90	23.3	7.78	56.8
17...	1410	25.1	--	6.6	--	4.0	634	--	22.0	--	--	--	--

Date	Sodium, water, fltrd, mg/L (00930)	Chlor-ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Iron, water, fltrd, ug/L (01046)
OCT									
03...	--	--	--	.12	29.5	E.004	E.004	.013	--
AUG									
15...	21.1	54.5	25.5	<.04	39.4	<.008	.043	.069	15
17...	--	--	--	--	--	--	--	--	--

353110077330901 TILE DRAIN (MS4-T1) MIDDLE SWAMP TRIBUTARY NEAR WILLOW GREEN, NC

LOCATION.--Lat 35°31'10", long 77°33'09", Green County, Hydrologic Unit 03020203, approximately 0.25 mi east of Secondary Road 1345 and 1.1 mi west-northwest of Willow Green.

DRAINAGE AREA.-- Not applicable

PERIOD OF RECORD.--August 2000 to August 2001, February 2003 to current year.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources and the U.S. Environmental Protection Agency to examine nutrient loadings from subsurface tile drains as part of the Lizzie research site water-quality monitoring project.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Flow rate, instan-taneous gal/min (00059)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)
FEB													
11...	1322	.31	--	--	--	--	--	--	--	--	--	--	--
AUG													
15...	1835	30.9	766	6.3	72	4.2	210	22.0	22.4	56	15.5	4.11	5.36
17...	1310	9.6	--	6.5	--	4.2	222	--	21.2	--	--	--	--

Date	Sodium, water, fltrd, mg/L (00930)	Chlor-ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Iron, water, fltrd, ug/L (01046)
FEB									
11...	--	--	--	--	--	--	--	--	--
AUG									
15...	3.69	13.1	51.4	<.04	7.59	<.008	<.006	<.004	E4
17...	--	--	--	--	--	--	--	--	--

353111077334901 TILE DRAIN (SR5-T1) TO TRIBUTARY TO SANDY RUN NEAR LIZZIE, NC

LOCATION.--Lat 35°31'11", long 77°33'49", Greene County, Hydrologic Unit 03020203, approximately 0.25 mi north of Secondary Road 1335 and approximately 1.8 mi west-northwest of Willow Green.

DRAINAGE AREA.-- Not applicable.

PERIOD OF RECORD.--August 2000 to August 2001, February 2003 to current year.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources and the U.S. Environmental Protection Agency to examine nutrient loadings from subsurface tile drains as part of the Lizzie research site water-quality monitoring project.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Flow rate, instantaneous gal/min (00059)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT													
03...	1130	8.0	773	5.7	64	4.3	630	15.5	20.8	--	--	--	--
FEB													
11...	1200	.81	770	9.5	81	4.5	651	14.0	8.5	150	40.7	12.7	22.2
AUG													
15...	1110	7.5	--	--	--	--	--	--	--	--	--	--	--
15...	1330	7.3	768	6.3	72	4.1	609	22.0	22.5	120	30.3	10.3	30.6
15...	1915	26.7	766	6.1	70	4.1	573	22.0	22.4	--	--	--	--
17...	1225	6.5	--	6.1	--	4.0	647	--	21.3	--	--	--	--

Date	Sodium, water, fltrd, mg/L (00930)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, ug/L (01046)
OCT										
03...	--	--	--	E.03	35.1	<.008	<.006	.009	--	--
FEB										
11...	25.1	71.2	34.0	<.04	37.5	<.008	E.004	.006	1.2	E4
AUG										
15...	--	--	--	--	--	--	--	--	--	--
15...	24.8	74.3	35.8	<.04	32.7	<.008	.008	.018	--	8
15...	--	--	--	<.04	30.2	<.008	.009	.019	--	--
17...	--	--	--	--	--	--	--	--	--	--

02091734 NORTH DRAINAGE DITCH (MS4-D2) NEAR WILLOW GREEN, NC

LOCATION.--Lat 35°31'29", long 77°33'05", Greene County, Hydrologic Unit 03020203, approximately 0.2 mi east of Secondary Road 1345 and 1.3 mi west-northwest of Willow Green.

DRAINAGE AREA.-- Indeterminate.

PERIOD OF RECORD.--August 2000 to August 2001, February 2003 to current year.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources and the U.S. Environmental Protection Agency to examine nutrient loadings from field darinage ditches as part of the Lizzie research site water-quality monitoring project.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Flow rate, instan-taneous gal/min (00059)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)
OCT													
03...	1410	18.0	769	9.3	96	6.0	209	19.0	17.2	--	--	--	--
FEB													
11...	0850	11.4	769	11.6	96	5.0	248	9.0	7.6	64	16.3	5.62	8.01
AUG													
15...	1725	255	767	7.3	83	4.8	381	21.0	22.0	64	16.8	5.36	31.9
17...	1440	43.5	--	7.4	--	4.6	416	--	22.4	--	--	--	--

Date	Sodium, water, fltrd, mg/L (00930)	Alka-linity, wat flt fxd end lab, mg/L as CaCO3 (29801)	Chlor-ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitro-gen, water, fltrd, mg/L (00607)	Organic nitro-gen, water, unfltrd mg/L (00605)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)
OCT													
03...	--	--	--	--	.25	2.5	E.03	9.90	<.008	--	--	<.02	.004
FEB													
11...	11.1	<2	29.5	16.6	.16	.17	<.04	12.9	E.005	--	--	<.02	E.003
AUG													
15...	14.0	<2	35.4	12.0	.86	1.2	.04	22.9	<.008	.82	1.2	<.02	.016
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, water, fltrd, mg/L (00602)	Total nitro-gen, water, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, ug/L (01046)
OCT					
03...	.045	10	12	--	--
FEB					
11...	.007	13	13	1.1	17
AUG					
15...	.162	24	24	--	72
17...	--	--	--	--	--

02091736 MIDDLE SWAMP NEAR FARMVILLE, NC

LOCATION.--Lat 35°31'58", long 77°32'43", Pitt County, Hydrologic Unit 03020203, at bridge on Secondary Road 1139, 1.2 mi above mouth and 5 mi southeast of Farmville.

DRAINAGE AREA.-- 51.0 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 45 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Station operated in cooperation with the U.S. Environmental Protection Agency and the North Carolina Department of Environment and Natural Resources to monitor water quality changes in an agricultural watershed. Maximum gage height for period of record probably occurred on Sept. 17, 1999, discharge not determined. Maximum gage height from floodmarks. No flow also occurred on June 10, 1999; and on several days in Sept. and Oct. 2002.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	160	17	27	31	108	9.5	9.6	3.4	17	0.79	2.6
2	22	126	15	25	28	89	9.5	22	2.4	11	0.97	2.6
3	16	95	13	23	34	72	9.3	235	1.9	11	1.9	1.4
4	13	70	17	22	43	55	8.5	321	3.3	6.6	1.2	1.1
5	11	55	33	20	39	42	6.9	207	4.9	4.5	0.94	0.81
6	9.7	81	45	22	40	36	6.0	150	14	3.1	0.89	0.78
7	8.9	146	39	19	38	33	5.0	110	12	2.3	0.77	0.88
8	9.0	129	33	18	32	29	4.3	82	22	1.9	0.57	1.1
9	27	105	31	18	27	25	4.2	53	14	1.6	0.44	1.9
10	55	87	43	20	25	22	4.1	33	7.9	1.2	0.30	4.7
11	65	67	199	18	24	19	7.1	23	5.8	1.1	0.25	15
12	48	55	174	18	43	18	17	18	7.4	0.89	0.22	13
13	35	38	135	19	105	16	29	87	7.4	0.76	1.0	8.1
14	34	28	194	18	113	14	101	46	6.2	0.59	93	4.8
15	50	24	289	17	115	14	105	22	4.3	0.43	378	3.8
16	39	22	214	15	153	18	74	13	5.1	0.29	315	3.0
17	36	18	176	14	157	21	44	9.6	8.4	0.19	198	2.9
18	29	15	180	16	149	20	30	7.5	7.5	0.16	126	7.7
19	23	24	162	18	130	20	21	6.5	15	0.20	60	9.5
20	20	80	132	18	107	18	16	7.8	7.3	0.49	29	8.3
21	16	93	107	16	89	17	13	6.1	4.8	0.25	23	6.0
22	14	75	90	17	72	15	10	4.9	3.7	0.18	18	4.4
23	13	56	76	15	54	13	8.3	172	3.0	0.73	11	2.9
24	13	41	79	14	42	12	6.6	108	3.8	1.7	6.9	2.1
25	15	31	79	13	34	10	5.3	56	3.9	1.6	4.4	1.8
26	12	25	67	18	32	9.4	5.6	27	10	1.2	3.1	1.5
27	11	22	58	20	94	8.9	16	16	7.7	0.89	4.3	1.3
28	16	22	48	25	159	8.5	17	12	12	0.67	2.5	2.9
29	248	22	40	30	140	8.1	16	8.7	39	0.59	1.9	6.1
30	333	18	36	35	---	7.6	11	5.5	29	0.52	1.8	9.6
31	223	---	30	35	---	8.7	---	4.6	---	0.69	1.8	---
TOTAL	1,493.6	1,830	2,851	623	2,149	807.2	620.2	1,883.8	277.1	74.32	1,287.94	132.57
MEAN	48.2	61.0	92.0	20.1	74.1	26.0	20.7	60.8	9.24	2.40	41.5	4.42
MAX	333	160	289	35	159	108	105	321	39	17	378	15
MIN	8.9	15	13	13	24	7.6	4.1	4.6	1.9	0.16	0.22	0.78
CFSM	0.94	1.20	1.80	0.39	1.45	0.51	0.41	1.19	0.18	0.05	0.81	0.09
IN.	1.09	1.33	2.08	0.45	1.57	0.59	0.45	1.37	0.20	0.05	0.94	0.10

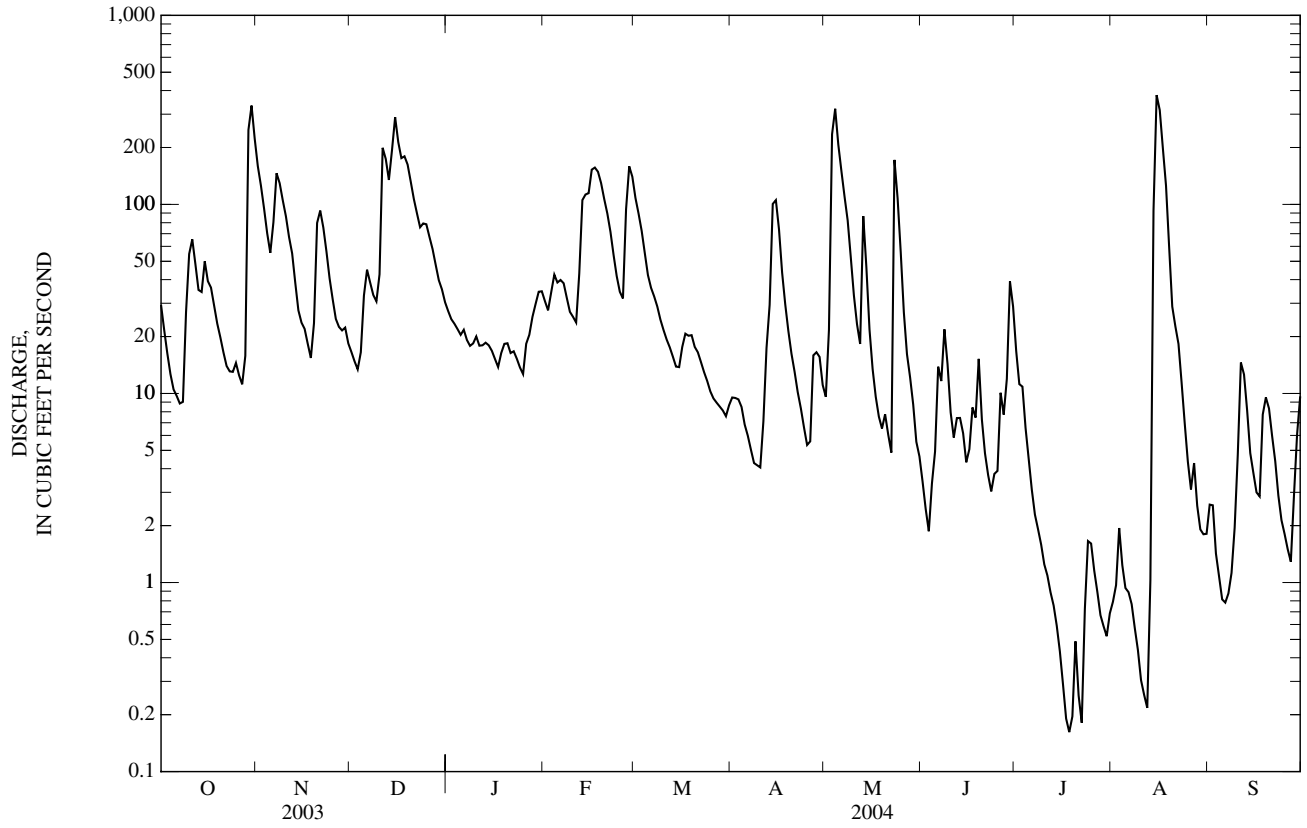
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	48.3	33.9	40.1	37.2	63.6	63.5	53.4	46.5	17.1	22.6	49.0	111
MAX	166	61.0	92.0	91.1	98.3	180	150	173	48.3	111	232	462
(WY)	(2000)	(2004)	(2004)	(2000)	(2000)	(2003)	(2003)	(2003)	(2001)	(2003)	(2003)	(1999)
MIN	0.52	0.35	0.52	9.29	22.1	21.4	20.1	2.09	0.50	1.77	0.16	0.01
(WY)	(2002)	(2002)	(2002)	(2001)	(2001)	(2002)	(1999)	(2001)	(2002)	(2000)	(1999)	(2002)

02091736 MIDDLE SWAMP NEAR FARMVILLE, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	40,410.02		14,029.73			
ANNUAL MEAN	111		38.3		45.0	
HIGHEST ANNUAL MEAN					107	2003
LOWEST ANNUAL MEAN					14.1	2002
HIGHEST DAILY MEAN	1,110	Apr 11	378	Aug 15	3,000	Sep 17, 1999
LOWEST DAILY MEAN	0.29	Jul 1	0.16	Jul 18	0.00	Sep 6, 2002
ANNUAL SEVEN-DAY MINIMUM	0.72	Jun 25	0.25	Jul 16	0.00	Sep 6, 2002
MAXIMUM PEAK FLOW			390	Aug 15	NOT DETERMINED*	
MAXIMUM PEAK STAGE			9.14	Aug 15	19.03*	Sep 17, 1999
INSTANTANEOUS LOW FLOW			0.12	Jul 19	0.00*	Jun 9, 1999
ANNUAL RUNOFF (CFSM)	2.17		0.752		0.882	
ANNUAL RUNOFF (INCHES)	29.48		10.23		11.98	
10 PERCENT EXCEEDS	287		108		126	
50 PERCENT EXCEEDS	48		17		13	
90 PERCENT EXCEEDS	11		1.2		0.47	

* See REMARKS.



02091814 NEUSE RIVER NEAR FORT BARNWELL, NC

LOCATION.--Lat 35°18'50", long 77°18'10", Craven County, Hydrologic Unit 03020202, on left bank 0.2 mi upstream from bridge on Secondary Road 1470, 1.5 mi upstream from Core Creek and 2.0 mi east of Fort Barnwell.

DRAINAGE AREA.--3,900 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional measurements water years 1955-1995, October 1996 to current year.
REVISED RECORDS.--WDR NC-02-1A: 2001.

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

REMARKS.--Records good, except those for estimated daily discharges, which are fair. Maximum gage height for period of record, from floodmarks. Flow regulated by Falls Lake (station 02087182) and is affected by both astronomical and wind tides.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,790	7,830	2,620	4,950	2,950	6,100	2,420	2,460	1,930	4,540	1,080	2,880
2	3,580	7,980	2,430	4,420	3,110	6,260	2,310	2,830	1,450	4,380	1,460	3,350
3	3,390	7,920	2,320	4,090	3,320	6,440	2,220	e3,940	1,300	4,430	2,220	4,080
4	3,170	7,670	2,270	3,910	3,370	6,590	2,260	e5,050	1,350	4,240	2,530	4,860
5	2,850	7,110	2,430	3,810	3,370	6,590	2,380	6,150	1,410	3,970	2,500	5,620
6	2,410	6,260	2,620	3,660	3,650	6,320	2,480	7,160	1,540	3,710	2,530	6,540
7	2,050	5,670	2,710	3,620	4,230	5,860	2,630	7,990	2,470	3,430	2,640	7,360
8	1,750	5,270	2,920	3,510	4,470	5,250	2,730	8,620	4,030	3,260	2,510	8,150
9	1,900	4,850	3,250	3,370	4,460	4,720	2,510	9,240	4,830	3,030	2,850	8,590
10	2,310	4,550	3,360	e3,230	e4,600	4,260	2,130	9,420	5,270	2,710	3,220	8,520
11	2,520	4,280	4,340	3,090	e4,780	3,980	1,960	8,630	5,330	2,430	3,170	8,020
12	2,640	3,940	5,040	2,990	4,960	3,770	2,590	7,080	5,180	2,170	2,510	7,430
13	2,650	3,680	5,660	2,960	5,080	3,490	3,560	5,340	4,820	1,980	2,210	7,020
14	2,590	3,240	6,710	2,880	5,300	3,270	3,950	4,240	4,060	2,300	2,470	6,820
15	2,560	2,850	8,280	2,860	5,760	3,080	4,320	3,500	3,350	2,170	5,300	6,770
16	2,460	2,610	9,400	2,770	6,410	2,940	4,690	e2,950	2,740	1,800	7,150	6,850
17	2,330	2,400	10,300	2,700	7,130	2,980	5,000	e2,400	2,290	1,620	8,200	6,780
18	2,250	2,240	11,000	2,660	7,790	3,060	5,080	1,860	2,210	1,400	8,610	6,600
19	2,210	2,190	11,400	2,580	8,110	3,510	4,880	1,520	2,410	1,210	8,580	5,950
20	2,110	2,560	11,600	2,510	8,380	3,990	4,550	1,300	2,420	1,130	8,340	5,170
21	1,970	3,080	11,700	2,500	8,460	4,440	4,170	1,240	2,310	998	8,190	4,790
22	1,910	3,620	11,500	2,620	8,360	4,690	3,780	1,160	1,990	960	8,200	4,720
23	1,910	4,200	11,000	2,680	8,030	4,860	3,400	1,110	1,610	1,050	8,330	4,850
24	1,720	4,660	10,500	2,620	7,520	4,780	e3,070	1,380	1,810	1,100	8,470	e4,970
25	1,540	4,810	9,850	2,500	6,800	4,410	e2,740	e1,800	2,420	1,060	8,440	e4,800
26	1,380	4,560	9,370	2,520	6,090	3,990	e2,410	e2,220	2,900	1,220	8,200	e4,380
27	1,310	4,130	8,960	2,500	5,750	3,560	2,510	2,640	2,650	1,510	7,460	e3,960
28	1,340	3,730	8,530	2,560	5,850	3,120	2,580	2,860	2,950	e1,350	6,660	3,530
29	3,720	3,360	7,860	2,610	5,970	2,790	2,500	2,780	3,890	e1,140	5,410	3,170
30	6,130	2,910	6,720	2,720	---	2,580	2,420	2,690	4,340	1,230	4,020	2,920
31	7,380	---	5,690	2,840	---	2,440	---	2,510	---	1,140	3,170	---
TOTAL	81,830	134,160	212,340	95,240	164,060	134,120	94,230	124,070	87,260	68,668	156,630	169,450
MEAN	2,640	4,472	6,850	3,072	5,657	4,326	3,141	4,002	2,909	2,215	5,053	5,648
MAX	7,380	7,980	11,700	4,950	8,460	6,590	5,080	9,420	5,330	4,540	8,610	8,590
MIN	1,310	2,190	2,270	2,500	2,950	2,440	1,960	1,110	1,300	960	1,080	2,880

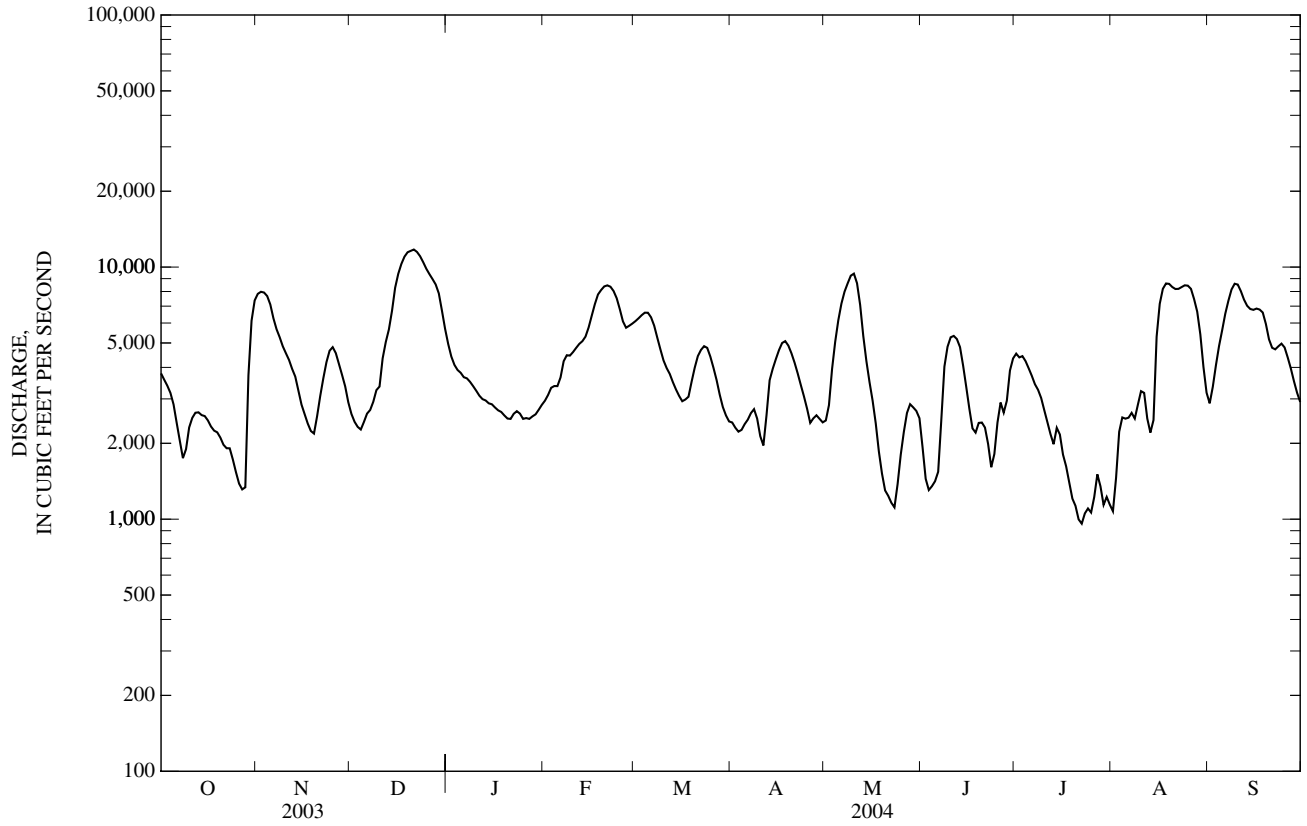
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

MEAN	5,406	3,132	3,707	4,971	7,435	6,654	5,946	3,304	2,463	2,001	3,173	5,807
MAX	23,040	6,630	6,969	8,707	19,110	15,340	11,760	6,973	6,429	5,764	7,856	26,590
(WY)	(2000)	(2000)	(1997)	(1998)	(1998)	(1998)	(1998)	(2003)	(2003)	(2003)	(2003)	(1999)
MIN	938	732	952	1,501	1,988	2,715	2,739	893	573	788	659	1,041
(WY)	(2002)	(2002)	(2002)	(2001)	(2001)	(2002)	(1999)	(2002)	(2002)	(2002)	(2002)	(1997)

02091814 NEUSE RIVER NEAR FORT BARNWELL, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1997 - 2004	
ANNUAL TOTAL	2,375,030		1,522,058			
ANNUAL MEAN	6,507		4,159		4,479	
HIGHEST ANNUAL MEAN					6,376	2003
LOWEST ANNUAL MEAN					1,766	2002
HIGHEST DAILY MEAN	17,900	Apr 16	11,700	Dec 21	57,000	Sep 20, 1999
LOWEST DAILY MEAN	1,310	Oct 27	960	Jul 22	340	Jun 27, 2002
ANNUAL SEVEN-DAY MINIMUM	1,590	Oct 22	1,070	Jul 19	413	Aug 12, 2002
MAXIMUM PEAK FLOW			12,200	Dec 21	e57,200	Sep 20, 1999
MAXIMUM PEAK STAGE			10.71	Dec 20	22.75*	Sep 20, 1999
INSTANTANEOUS LOW FLOW			901	Jul 22	41	Jul 11, 1999
10 PERCENT EXCEEDS	12,700		8,020		9,450	
50 PERCENT EXCEEDS	6,170		3,380		2,760	
90 PERCENT EXCEEDS	2,080		1,800		866	

* See REMARKS.
e Estimated.



0209205053 SWIFT CREEK AT NC HIGHWAY 43 NEAR STREETS FERRY, NC

LOCATION.--Lat 35°13'51", long 77°06'50", Craven County, Hydrologic Unit 03020202, at downstream side of bridge on NC Highway 43, 0.5 mi upstream from mouth, 2 mi upstrean from Little Fisher Creek, and 1.3 mi north-northeast of Streets Ferry.

DRAINAGE AREA.--269 mi^2.

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

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is at NGVD of 1929. Prior to Oct. 1999 datum reported as 10 ft below NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records poor. This site is strongly affected by both astronomical and wind tides. The astronomical tides occur at primary harmonic periods of 12.42 hours and 24.8 hours. 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, 10,900 ft^3/s, Sept. 21, 1999, maximum gage height, 12.28 ft, Sept. 21, 1999, from flood mark; minimum discharge, -5,140 ft^3/s, Aug. 30, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,090 ft^3/s, Nov. 1, maximum gage height, 3.88 ft, Feb. 27; minimum discharge, -1,640 ft^3/s, Feb. 26.

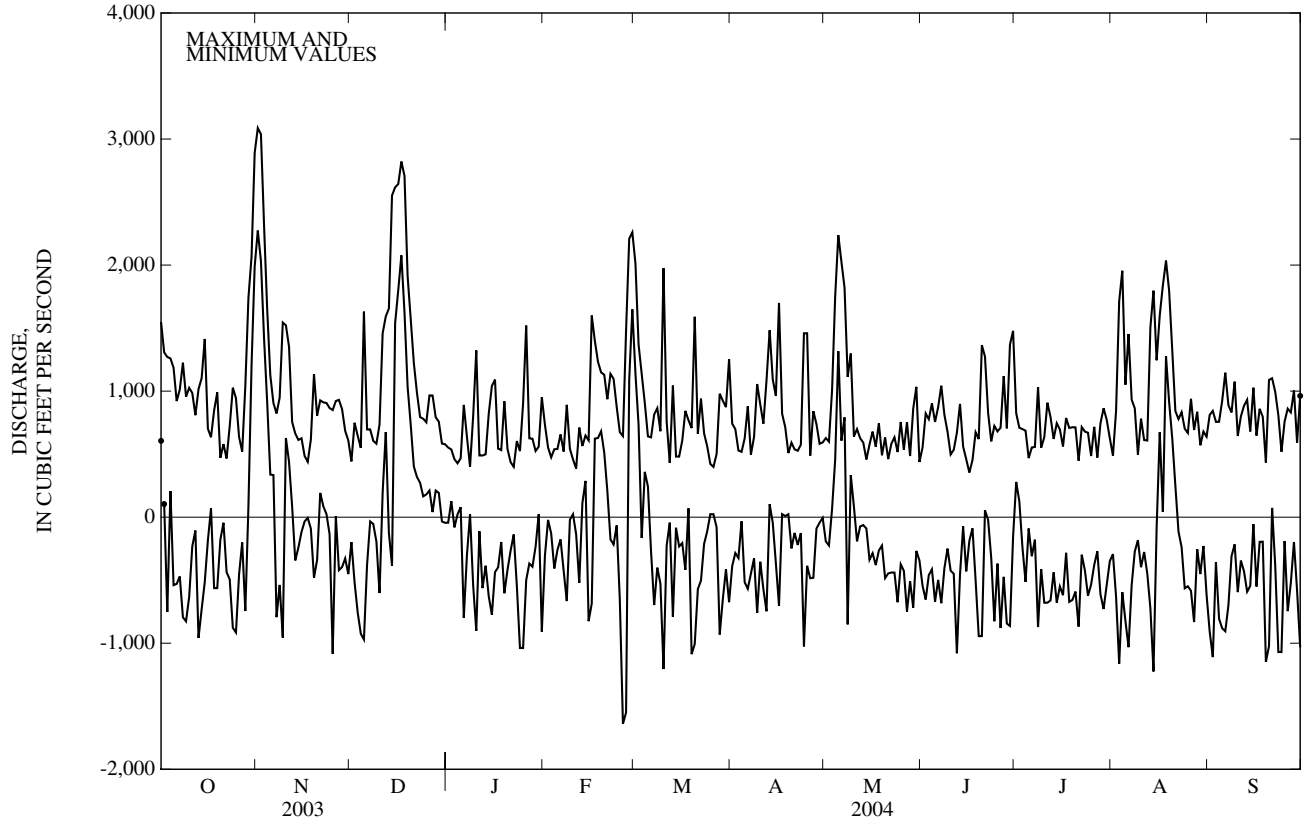
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	1,550	605	3,090	2,270	442	-198	552	-44	733	-304	2,010	1,140
2	1,310	105	3,040	2,030	749	-517	537	127	553	-21	1,370	734
3	1,270	-752	2,310	1,420	646	-756	460	-81	475	-129	1,140	-165
4	1,260	208	1,650	912	550	-925	427	23	539	-407	905	360
5	1,190	-539	1,130	338	1,630	-971	468	79	541	-260	641	243
6	921	-529	905	334	696	-379	891	-799	656	-177	633	-273
7	1,010	-470	823	-793	696	-34	638	-303	521	-425	815	-697
8	1,230	-795	948	-537	605	-55	402	23	891	-666	865	-401
9	955	-826	1,540	-956	583	-194	801	-541	542	-21	682	-527
10	1,030	-633	1,520	629	735	-602	1,320	-902	458	23	1,980	-1,200
11	985	-232	1,350	439	1,460	194	490	-112	386	-136	757	-225
12	809	-106	755	83	1,590	676	489	-563	711	-521	430	-43
13	1,020	-958	664	-343	1,660	-124	499	-385	565	112	1,040	-790
14	1,100	-731	612	-242	2,550	-384	822	-629	648	288	481	-84
15	1,410	-515	626	-118	2,620	1,540	1,040	-773	610	-825	481	-232
16	702	-185	485	-33	2,640	1,800	1,090	-436	1,600	-685	607	-205
17	634	69	439	-6.0	2,820	2,080	544	-398	1,400	623	843	-418
18	847	-563	616	-91	2,710	1,630	532	-197	1,230	628	769	70
19	990	-563	1,140	-480	1,910	1,040	919	-604	1,150	682	707	-1,090
20	471	-180	805	-340	1,570	732	541	-420	1,130	513	1,590	-1,010
21	579	-44	926	193	1,220	402	437	-266	936	207	661	-571
22	466	-436	911	86	986	318	400	-137	1,140	-176	940	-503
23	723	-494	906	25	794	273	604	-544	1,100	-217	665	-212
24	1,030	-878	866	-136	781	165	524	-1,040	875	-66	562	-112
25	944	-915	850	-1,080	753	181	900	-1,040	675	-659	422	24
26	635	-452	922	9.3	966	211	1,520	-499	644	-1,640	399	23
27	520	-201	931	-420	966	40	625	-368	1,480	-1,550	501	-80
28	1,040	-745	857	-396	793	211	622	-393	2,210	1,090	979	-931
29	1,740	89	685	-327	757	193	525	-234	2,260	1,650	924	-649
30	2,070	1,210	609	-451	584	-34	559	23	---	---	873	-414
31	2,890	1,990	---	---	578	-45	951	-908	---	---	1,250	-674
MONTH	2,890	-958	3,090	-1,080	2,820	-971	1,520	-1,040	2,260	-1,640	2,010	-1,200

0209205053 SWIFT CREEK AT NC HIGHWAY 43 NEAR STREETS FERRY, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	742	-388	628	-192	554	-545	825	280	489	-293	811	-908
2	699	-285	599	-225	823	-653	710	126	843	-631	843	-1,110
3	529	-324	1,010	65	777	-460	699	-239	1,710	-1,160	756	-356
4	518	-33	1,750	457	902	-414	686	-513	1,960	-595	757	-806
5	625	-516	2,240	1,320	756	-670	469	-90	1,050	-822	922	-881
6	879	-568	2,030	608	874	-497	553	-310	1,450	-1,030	1,150	-905
7	497	-448	1,820	792	1,040	-683	557	-179	932	-538	889	-699
8	636	-327	1,110	-851	812	-404	1,030	-872	863	-273	831	-309
9	1,060	-759	1,300	334	677	-250	551	-412	496	-182	1,080	-216
10	895	-354	640	84	497	-425	633	-679	781	-397	644	-595
11	742	-572	699	-192	535	-449	908	-679	611	-276	799	-345
12	1,090	-747	627	-74	671	-1,080	795	-661	608	-446	884	-430
13	1,480	102	591	-63	899	-455	621	-438	1,500	-722	931	-591
14	1,090	-44	458	-90	560	-73	745	-677	1,800	-1,220	680	-545
15	962	-366	576	-338	459	-430	696	-550	1,240	-85	1,030	-55
16	1,700	-701	679	-286	354	-187	561	-619	1,600	673	647	-550
17	821	24	560	-380	453	-89	787	-283	1,840	42	860	-196
18	714	8.8	744	-265	674	-501	708	-672	2,040	1,280	796	-195
19	509	23	491	-225	620	-943	714	-657	1,800	913	434	-1,150
20	591	-248	632	-483	1,370	-943	713	-590	1,330	625	1,090	-1,020
21	538	-125	461	-446	1,270	55	448	-868	842	249	1,100	74
22	527	-220	583	-439	827	-21	715	-298	779	-114	993	-387
23	574	-126	633	-440	602	-325	679	-421	832	-238	809	-1,070
24	1,460	-1,030	517	-675	724	-826	670	-623	702	-564	520	-1,070
25	1,460	-386	755	-374	681	-368	485	-534	668	-548	759	-189
26	489	-484	535	-426	710	-879	717	-379	939	-584	861	-746
27	841	-481	754	-748	1,120	-473	473	-271	691	-832	831	-521
28	738	-91	485	-509	704	-844	745	-612	836	-255	1,000	-197
29	582	-43	860	-717	1,370	-863	864	-728	570	-451	592	-583
30	593	-6.0	1,030	-268	1,480	-155	773	-538	679	-229	963	-1,030
31	---	---	438	-344	---	---	626	-348	639	-615	---	---
MONTH	1,700	-1,030	2,240	-851	1,480	-1,080	1,030	-872	2,040	-1,220	1,150	-1,150
YEAR	3,090	-1,640										



02092162 NEUSE RIVER AT NEW BERN, NC

LOCATION.--Lat 35°06'34", long 77°01'58", Craven County, Hydrologic Unit 03020204, at U.S. Coast Guard Channel Marker 38.

DRAINAGE AREA.--4,470 mi^2.

PERIOD OF RECORD.-- Water years 1957-67, 1996 to current year.

PERIOD OF DAILY RECORD.--
SALINITY (TOP AND BOTTOM): June 1996 to current year.
pH (TOP AND BOTTOM): June 1996 to current year.
WATER TEMPERATURE (TOP AND BOTTOM): June 1996 to current year.
DISSOLVED OXYGEN (TOP AND BOTTOM): June 1996 to current year.
DISSOLVED OXYGEN, PERCENT SATURATION, (TOP AND BOTTOM): June 1996 to current year.

INSTRUMENTATION.-- Water-quality monitor with satellite telemetry from June 1996 to current year.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources. The monitor was relocated from the U.S. Highway 17 bridge at New Bern to channel marker 38 on August 5, 1999. Channel marker 38 is approximately 500 yards upstream of the bridge. The monitor was removed on September 16, 2003, to prevent possible destruction of equipment during Hurricane Isabel. It was reinstalled September 19, 2003. Top constituents were monitored at 8 feet above the streambed, and bottom constituents, 2 feet above the streambed. Salinity and dissolved oxygen, percent saturation are computed. The salinity is computed from specific conductance using the conversion from U.S. Geological Survey Water-Supply Paper 2311. The dissolved oxygen percent saturation is computed using a barometric pressure of 760mm of Hg beginning October 1, 2000. Salinity, minimum extremes are reported as <0.1 ppt. Dissolved oxygen, minimum extremes are reported as <1.0 mg/L. Dissolved oxygen, percent saturation, minimum extremes are reported only as <10%. Daily records of salinity and water temperature for October 1956 to September 1967 are available in the files of the District Office in Raleigh, NC.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	21.8, August 1, 2002	<0.1, on many days during the period
SALINITY (BOTOM), ppt	22.1, August 1, 2002	<0.1, on many days during the period
pH (TOP), standard units	9.9, June 6, 7, 1999	5.7, September 29, 30, 1999, October 9, 14, 15, 1999
pH (BOTTOM), standard units	9.7, July 10, 11, 1997	4.9, October 13, 15-17, 1999
WATER TEMPERATURE (TOP), ^{o} C	33.4, August 1, 1999	1.0, January 29, 2000
WATER TEMPERATURE (BOTTOM), ^{o} C	31.2, August 10, 2001	1.1, January 29, 2000
DISSOLVED OXYGEN (TOP), mg/L	17.4, December 19, 1997	<1.0, on many days during the period
DISSOLVED OXYGEN (BOTTOM), mg/L	16.1, January 8, 1998	<1.0, on many days during the period

EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	16.5, July 16	<0.1, on many days during the year
SALINITY (BOTTOM), ppt	17.0, July 16	<0.1, on many days during the year
pH (TOP), standard units	8.9, July 13	6.3, August 20
pH (BOTTOM), standard units	8.4, July 31	6.2, August 20
WATER TEMPERATURE (TOP), ^{o}C	31.6, July 9	2.6, January 31
WATER TEMPERATURE (BOTTOM), ^{o}C	30.1, July 27, 28	3.0, January 29
DISSOLVED OXYGEN (TOP), mg/L	12.7, January 28, 29, 30	<1.0, on several days during the year
DISSOLVED OXYGEN (BOTTOM), mg/L	12.5, January 29, February 1	<1.0, on many days during the year
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	170, July 13	<10, on several days during the year
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	121, July 31	<10, on many days during the year

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	0.77	0.11	0.21	0.06	0.04	0.05	0.61	0.06	0.12	0.14	0.07	0.09
2	0.57	0.13	0.26	0.05	0.04	0.04	1.5	0.31	0.87	0.11	0.07	0.09
3	0.57	0.10	0.28	0.05	0.04	0.04	0.43	0.21	0.29	0.14	0.08	0.11
4	0.13	0.08	0.09	0.05	0.04	0.05	0.70	0.18	0.27	0.12	0.06	0.10
5	0.13	0.07	0.09	0.05	0.04	0.05	0.73	0.09	0.19	0.12	0.06	0.08
6	0.14	0.07	0.09	0.05	0.04	0.05	0.63	0.10	0.20	1.2	0.06	0.25
7	0.09	0.07	0.07	0.06	0.05	0.05	0.39	0.16	0.30	1.6	0.52	1.1
8	0.43	0.08	0.14	0.06	0.04	0.05	0.23	0.12	0.16	0.96	0.37	0.52
9	0.36	0.14	0.21	0.05	0.04	0.05	0.13	0.09	0.11	3.2	0.32	0.71
10	0.27	0.10	0.16	0.06	0.05	0.06	0.23	0.08	0.11	3.7	0.79	2.2
11	0.19	0.08	0.11	0.07	0.05	0.06	0.18	0.06	0.08	2.4	1.2	1.6
12	0.17	0.10	0.14	0.08	0.06	0.07	0.10	0.06	0.08	2.7	1.1	1.7
13	0.20	0.11	0.14	0.09	0.06	0.08	0.10	0.07	0.08	1.4	0.48	0.92
14	0.16	0.10	0.12	0.07	0.06	0.07	0.11	0.05	0.07	2.1	0.47	0.86
15	0.11	0.08	0.09	0.07	0.07	0.07	0.07	0.06	0.07	2.1	0.31	0.93
16	0.12	0.08	0.10	0.09	0.06	0.07	0.08	0.04	0.05	1.2	0.30	0.70
17	0.12	0.08	0.11	0.07	0.06	0.07	0.05	0.04	0.04	0.77	0.15	0.26
18	0.12	0.08	0.10	0.10	0.06	0.07	0.05	0.04	0.04	0.68	0.14	0.26
19	0.12	0.07	0.09	0.10	0.07	0.08	0.04	0.04	0.04	0.85	0.14	0.32
20	0.10	0.08	0.09	0.49	0.07	0.21	0.05	0.04	0.04	0.60	0.23	0.34
21	0.10	0.08	0.10	0.29	0.08	0.14	0.04	0.04	0.04	0.57	0.15	0.22
22	0.10	0.07	0.08	0.10	0.07	0.08	0.04	0.04	0.04	0.35	0.16	0.26
23	0.22	0.09	0.16	0.09	0.07	0.08	0.04	0.04	0.04	1.5	0.26	0.77
24	0.24	0.13	0.18	0.09	0.08	0.08	0.05	0.04	0.04	1.2	0.32	0.61
25	0.25	0.09	0.13	0.12	0.07	0.08	0.05	0.04	0.04	2.0	0.50	1.0
26	0.09	0.08	0.09	0.08	0.07	0.07	0.04	0.04	0.04	0.74	0.25	0.35
27	0.11	0.09	0.10	0.07	0.06	0.07	0.06	0.04	0.05	0.42	0.24	0.32
28	0.11	0.10	0.11	0.08	0.06	0.07	0.08	0.04	0.06	1.0	0.23	0.54
29	0.12	0.10	0.10	0.08	0.06	0.07	0.08	0.06	0.07	0.70	0.45	0.53
30	0.13	0.07	0.11	0.08	0.07	0.07	0.17	0.06	0.09	0.45	0.14	0.22
31	0.12	0.05	0.06	---	---	---	0.13	0.06	0.08	1.2	0.14	0.53
MONTH	0.77	0.05	0.13	0.49	0.04	0.07	1.5	0.04	0.12	3.7	0.06	0.60
		FEBRUARY			MARCH			APRIL			MAY	
1	0.19	0.11	0.16	0.06	0.05	0.05	0.07	0.06	0.07	0.07	0.07	0.07
2	0.18	0.10	0.14	0.08	0.05	0.05	0.08	0.06	0.07	0.07	0.06	0.07
3	0.22	0.11	0.16	0.06	0.05	0.05	0.08	0.07	0.08	0.08	0.06	0.07
4	0.26	0.12	0.19	0.06	0.05	0.05	0.27	0.07	0.11	0.11	0.07	0.08
5	0.18	0.11	0.15	0.06	0.05	0.06	0.69	0.17	0.42	0.07	0.06	0.06
6	0.12	0.07	0.09	0.06	0.05	0.06	0.60	0.29	0.48	0.06	0.04	0.05
7	0.18	0.08	0.11	0.06	0.05	0.06	0.29	0.10	0.22	0.04	0.04	0.04
8	0.22	0.09	0.16	0.06	0.05	0.06	0.12	0.08	0.08	0.05	0.04	0.04
9	0.19	0.07	0.11	0.07	0.05	0.06	0.16	0.08	0.10	0.04	0.04	0.04
10	0.08	0.07	0.07	0.06	0.05	0.06	0.15	0.08	0.11	0.05	0.04	0.04
11	0.08	0.07	0.07	0.06	0.06	0.06	0.08	0.07	0.08	0.04	0.04	0.04
12	0.15	0.06	0.09	0.07	0.06	0.06	0.09	0.07	0.08	0.04	0.04	0.04
13	0.10	0.06	0.08	0.07	0.06	0.06	0.09	0.07	0.08	0.04	0.04	0.04
14	0.07	0.06	0.07	0.06	0.06	0.06	0.12	0.07	0.09	0.05	0.04	0.04
15	0.47	0.06	0.13	0.06	0.06	0.06	0.09	0.08	0.09	0.05	0.04	0.05
16	0.50	0.06	0.11	0.07	0.06	0.06	0.09	0.06	0.06	0.05	0.05	0.05
17	0.07	0.06	0.06	0.10	0.06	0.07	0.06	0.05	0.06	0.06	0.05	0.05
18	0.09	0.06	0.07	0.10	0.06	0.07	0.06	0.05	0.06	0.06	0.05	0.06
19	0.07	0.05	0.06	0.50	0.06	0.17	0.06	0.05	0.06	0.06	0.06	0.06
20	0.05	0.04	0.05	0.48	0.07	0.15	0.06	0.05	0.06	0.28	0.06	0.09
21	0.06	0.04	0.05	0.13	0.06	0.07	0.06	0.05	0.06	0.24	0.07	0.12
22	0.06	0.04	0.05	0.13	0.06	0.09	0.06	0.05	0.05	0.36	0.09	0.18
23	0.05	0.04	0.05	0.07	0.06	0.06	0.06	0.05	0.06	0.54	0.19	0.29
24	0.05	0.04	0.05	0.06	0.06	0.06	0.07	0.06	0.06	0.65	0.16	0.36
25	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	1.2	0.21	0.43
26	0.05	0.04	0.05	0.07	0.06	0.06	0.06	0.06	0.06	1.1	0.16	0.26
27	0.05	0.04	0.05	0.07	0.06	0.06	0.07	0.06	0.07	7.3	0.26	1.5
28	0.06	0.04	0.06	0.08	0.06	0.06	0.07	0.06	0.07	7.3	1.0	2.8
29	0.07	0.06	0.06	0.07	0.06	0.06	0.07	0.06	0.07	12.4	2.1	6.7
30	---	---	---	0.06	0.06	0.06	0.07	0.07	0.07	8.6	3.5	5.0
31	---	---	---	0.07	0.06	0.06	---	---	---	3.9	0.98	2.4
MONTH	0.50	0.04	0.09	0.50	0.05	0.07	0.69	0.05	0.10	12.4	0.04	0.68

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	5.6	1.2	2.8	2.8	0.26	0.63	3.7	2.2	3.0	0.11	0.06	0.07
2	10.0	3.2	5.9	0.43	0.11	0.22	3.2	1.4	2.1	0.31	0.06	0.10
3	9.5	2.5	4.4	0.55	0.10	0.21	5.7	1.5	3.0	0.07	0.06	0.07
4	5.1	2.2	3.5	1.1	0.15	0.38	4.2	1.3	2.6	0.08	0.06	0.07
5	4.5	1.8	2.9	0.41	0.19	0.31	3.2	1.2	1.9	0.08	0.06	0.07
6	8.3	1.8	5.1	12.3	0.21	5.6	5.0	1.2	2.8	0.10	0.06	0.06
7	4.6	1.6	3.3	11.9	1.7	7.8	3.3	1.6	2.4	0.06	0.06	0.06
8	4.7	1.7	3.4	5.1	1.4	2.2	5.6	1.9	3.7	0.06	0.04	0.05
9	3.6	0.60	1.5	3.6	0.45	1.6	4.0	0.90	2.2	0.07	0.04	0.06
10	1.2	0.43	0.82	6.5	0.82	2.5	4.2	0.53	1.4	---	---	---
11	2.9	0.23	0.71	11.9	1.0	4.4	1.1	0.54	0.73	---	---	---
12	5.7	0.81	1.9	6.7	1.6	2.4	1.5	0.38	0.64	---	---	---
13	5.6	0.67	1.7	2.6	1.8	2.1	1.2	0.38	0.75	---	---	---
14	0.91	0.29	0.52	4.3	1.3	2.1	2.1	0.31	0.71	---	---	---
15	0.35	0.12	0.25	6.0	1.4	2.6	0.55	0.12	0.27	---	---	---
16	0.14	0.07	0.11	16.5	2.5	8.4	0.15	0.07	0.10	---	---	---
17	0.09	0.07	0.08	12.7	5.2	8.2	0.17	0.04	0.09	---	---	---
18	0.48	0.07	0.16	7.1	3.5	5.5	0.06	0.04	0.05	---	---	---
19	8.2	0.08	0.37	9.8	3.3	4.9	0.05	0.04	0.05	---	---	---
20	9.4	0.38	2.2	8.5	4.0	5.9	0.05	0.04	0.04	---	---	---
21	4.1	1.1	1.7	9.3	3.2	5.0	0.05	0.04	0.05	---	---	---
22	2.5	0.64	1.3	9.3	3.6	6.2	0.05	0.04	0.05	---	---	---
23	1.0	0.63	0.84	6.2	3.7	4.9	0.07	0.04	0.05	0.06	0.05	0.05
24	5.5	0.86	1.4	4.5	2.0	2.7	0.14	0.07	0.10	0.09	0.05	0.06
25	6.6	1.0	2.7	10.2	3.3	5.1	0.17	0.06	0.11	0.10	0.05	0.07
26	5.0	0.99	1.7	8.3	4.6	5.8	0.19	0.07	0.10	0.09	0.05	0.06
27	5.3	0.76	2.3	5.8	3.6	4.7	0.09	0.05	0.06	0.21	0.05	0.06
28	6.0	0.59	1.8	5.4	2.5	4.0	0.06	0.04	0.05	0.06	0.05	0.05
29	7.3	1.5	3.2	5.2	2.4	3.9	0.10	0.04	0.06	0.06	0.05	0.06
30	4.2	0.44	0.85	4.0	2.6	3.2	0.09	0.05	0.06	0.09	0.06	0.07
31	---	---	---	4.1	2.4	3.3	0.07	0.06	0.06	---	---	---
MONTH	10.0	0.07	2.0	16.5	0.10	3.8	5.7	0.04	0.94	---	---	---

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	4.0	1.7	3.5	0.06	0.04	0.05	3.4	0.06	0.77	7.8	0.17	3.5
2	3.2	0.27	1.5	0.08	0.04	0.05	3.5	0.87	1.6	7.7	0.24	2.9
3	0.76	0.14	0.32	0.05	0.04	0.04	1.5	0.23	0.56	2.7	0.14	0.38
4	0.35	0.08	0.11	0.05	0.04	0.05	0.75	0.18	0.30	0.57	0.07	0.19
5	0.23	0.09	0.13	0.05	0.04	0.05	0.75	0.10	0.31	0.21	0.06	0.09
6	0.18	0.07	0.10	0.05	0.04	0.05	0.65	0.10	0.32	3.3	0.07	0.72
7	1.7	0.07	0.21	0.06	0.05	0.05	0.62	0.31	0.45	5.4	0.66	3.0
8	2.4	0.09	0.92	0.06	0.04	0.05	2.3	0.20	0.73	7.1	3.1	5.1
9	1.1	0.15	0.38	0.05	0.04	0.05	2.7	0.96	2.2	7.8	3.1	6.5
10	0.33	0.10	0.18	0.06	0.05	0.06	2.4	0.09	1.1	7.5	1.5	4.6
11	0.19	0.08	0.11	0.08	0.05	0.07	0.18	0.06	0.09	4.9	1.4	3.3
12	0.20	0.10	0.16	0.09	0.06	0.08	0.14	0.06	0.10	3.9	1.6	2.8
13	1.1	0.12	0.32	0.09	0.06	0.08	0.10	0.07	0.08	4.1	1.6	2.8
14	0.36	0.09	0.16	0.08	0.06	0.07	0.12	0.05	0.07	4.1	0.92	2.5
15	0.10	0.08	0.09	0.08	0.07	0.07	0.08	0.06	0.07	2.8	0.52	1.8
16	0.12	0.08	0.10	0.10	0.07	0.08	0.08	0.04	0.05	1.8	0.64	1.2
17	0.12	0.08	0.10	0.12	0.07	0.08	0.05	0.04	0.04	2.8	1.0	1.9
18	0.12	0.09	0.10	2.7	0.08	0.65	0.05	0.04	0.04	1.7	0.14	0.84
19	0.12	0.07	0.09	0.32	0.06	0.09	0.04	0.04	0.04	1.2	0.24	0.50
20	0.16	0.08	0.09	0.49	0.06	0.23	0.05	0.04	0.04	1.1	0.28	0.59
21	0.12	0.08	0.09	0.30	0.10	0.17	0.04	0.04	0.04	2.5	0.21	1.3
22	0.10	0.07	0.08	0.12	0.08	0.09	0.04	0.04	0.04	2.7	0.71	1.8
23	0.24	0.09	0.17	0.10	0.07	0.08	0.04	0.04	0.04	3.0	1.1	2.0
24	0.38	0.13	0.21	0.09	0.07	0.07	0.05	0.04	0.04	2.5	0.48	1.2
25	0.25	0.09	0.13	0.15	0.06	0.08	0.05	0.04	0.04	2.3	0.52	1.3
26	0.16	0.08	0.10	0.08	0.06	0.07	0.05	0.04	0.04	1.6	0.31	0.64
27	0.15	0.09	0.11	0.08	0.06	0.07	0.15	0.04	0.06	1.4	0.30	0.76
28	0.16	0.10	0.11	0.07	0.06	0.06	6.7	0.09	2.3	1.2	0.38	0.76
29	0.12	0.09	0.10	0.09	0.06	0.07	7.0	0.14	0.79	0.99	0.49	0.64
30	0.13	0.07	0.12	0.08	0.07	0.07	5.0	0.06	0.43	2.6	0.25	0.88
31	0.12	0.05	0.06	---	---	---	7.8	0.14	4.6	3.2	0.46	1.1
MONTH	4.0	0.05	0.32	2.7	0.04	0.09	7.8	0.04	0.56	7.8	0.06	1.9
		FEBRUARY			MARCH			APRIL			MAY	
1	2.5	0.17	1.2	0.06	0.05	0.05	0.07	0.06	0.07	0.07	0.07	0.07
2	2.5	1.1	2.2	0.07	0.05	0.05	0.08	0.06	0.07	0.07	0.06	0.07
3	2.4	0.12	1.2	0.06	0.05	0.05	0.08	0.07	0.07	0.08	0.06	0.07
4	1.6	0.20	0.77	0.06	0.05	0.05	0.39	0.07	0.14	0.12	0.07	0.08
5	1.7	0.12	0.46	0.06	0.05	0.06	0.87	0.18	0.58	0.07	0.05	0.06
6	0.17	0.07	0.10	0.06	0.05	0.05	0.87	0.36	0.65	0.06	0.05	0.05
7	0.20	0.07	0.12	0.06	0.05	0.06	0.45	0.14	0.26	0.05	0.04	0.05
8	0.21	0.08	0.16	0.06	0.05	0.06	0.18	0.07	0.11	0.05	0.04	0.05
9	0.19	0.07	0.11	0.06	0.05	0.06	0.26	0.07	0.12	0.04	0.04	0.04
10	0.08	0.06	0.07	0.06	0.05	0.06	0.15	0.08	0.11	0.05	0.04	0.04
11	0.10	0.07	0.07	0.06	0.06	0.06	0.09	0.07	0.07	0.04	0.04	0.04
12	0.42	0.07	0.14	0.07	0.06	0.06	0.09	0.07	0.07	0.04	0.04	0.04
13	0.17	0.07	0.10	0.06	0.06	0.06	0.09	0.06	0.07	---	---	---
14	0.08	0.06	0.07	0.06	0.06	0.06	0.11	0.07	0.08	---	---	---
15	0.90	0.06	0.18	0.06	0.06	0.06	0.09	0.07	0.08	---	---	---
16	0.66	0.06	0.12	0.06	0.06	0.06	0.08	0.05	0.06	---	---	---
17	0.06	0.06	0.06	0.12	0.06	0.08	0.06	0.05	0.05	---	---	---
18	0.09	0.06	0.07	0.10	0.06	0.07	0.06	0.05	0.05	---	---	---
19	0.07	0.05	0.06	0.70	0.06	0.19	0.06	0.05	0.05	---	---	---
20	0.05	0.04	0.05	0.64	0.07	0.17	0.06	0.05	0.05	---	---	---
21	0.06	0.04	0.05	0.13	0.06	0.07	0.06	0.05	0.05	7.5	0.07	3.5
22	0.06	0.04	0.05	0.12	0.06	0.09	0.06	0.05	0.05	9.8	1.1	6.5
23	0.05	0.04	0.05	0.07	0.06	0.06	0.06	0.05	0.06	9.0	0.29	2.1
24	0.05	0.04	0.05	0.06	0.06	0.06	0.07	0.06	0.06	3.5	0.18	1.1
25	0.05	0.04	0.05	0.06	0.06	0.06	0.06	0.06	0.06	2.9	0.23	0.97
26	0.05	0.04	0.05	0.06	0.05	0.06	0.06	0.06	0.06	7.1	0.40	3.8
27	0.05	0.04	0.05	0.06	0.06	0.06	0.07	0.06	0.07	11.5	5.7	9.1
28	0.06	0.04	0.06	0.07	0.05	0.06	0.07	0.07	0.07	13.9	9.1	11.2
29	0.07	0.05	0.06	0.06	0.06	0.06	0.07	0.07	0.07	14.2	10.7	13.6
30	---	---	---	0.06	0.06	0.06	0.07	0.07	0.07	11.8	4.5	8.4
31	---	---	---	0.07	0.06	0.06	---	---	---	6.8	4.1	5.5
MONTH	2.5	0.04	0.27	0.70	0.05	0.07	0.87	0.05	0.11	---	---	---

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	10.1	5.6	8.5	7.7	2.8	6.1	6.0	2.9	4.2	0.12	0.06	0.07
2	10.4	6.6	9.8	7.3	2.7	5.4	6.3	3.0	4.7	0.31	0.06	0.10
3	9.9	6.8	9.1	10.3	5.2	8.5	7.5	2.7	4.5	0.07	0.06	0.06
4	9.0	2.7	6.6	10.7	5.3	9.3	7.5	3.9	5.9	0.08	0.06	0.07
5	7.4	4.0	5.7	10.9	1.1	6.5	10.7	4.0	7.7	0.08	0.06	0.07
6	9.0	5.4	7.7	12.8	10.6	11.7	10.7	5.1	8.0	0.10	0.05	0.06
7	8.0	5.8	7.2	13.2	9.5	12.2	9.4	7.3	8.6	0.06	0.05	0.06
8	9.0	7.6	8.4	11.8	3.9	9.6	9.5	7.0	9.1	0.06	0.04	0.05
9	8.8	4.7	7.2	12.6	8.2	10.8	10.6	7.0	9.8	0.06	0.04	0.05
10	9.0	1.7	6.8	14.3	11.9	13.3	11.1	4.8	9.3	---	---	---
11	10.4	1.2	7.9	15.2	11.9	14.4	10.3	2.3	8.0	---	---	---
12	11.1	3.4	8.9	14.5	6.3	11.9	9.2	0.97	5.7	---	---	---
13	10.7	2.5	7.8	13.2	5.3	9.4	11.9	0.38	2.3	---	---	---
14	5.1	0.30	1.9	14.6	9.5	13.4	6.0	0.33	1.9	---	---	---
15	1.8	0.12	0.34	15.4	11.1	14.0	1.9	0.20	0.94	---	---	---
16	0.16	0.07	0.11	17.0	15.3	16.3	1.7	0.08	0.51	---	---	---
17	0.18	0.07	0.09	16.9	11.3	16.1	4.4	0.05	0.98	---	---	---
18	1.6	0.07	0.30	15.6	9.4	14.6	0.08	0.04	0.05	---	---	---
19	9.5	0.30	5.5	15.2	11.8	14.3	0.05	0.04	0.05	---	---	---
20	11.7	8.5	10.3	15.1	10.8	13.9	0.05	0.04	0.04	---	---	---
21	11.7	7.6	10.7	15.8	12.0	14.6	0.05	0.04	0.04	---	---	---
22	9.7	1.5	6.0	15.8	9.1	14.4	0.06	0.04	0.05	---	---	---
23	9.5	1.4	4.3	14.1	6.5	11.6	10.3	0.04	4.4	0.06	0.05	0.05
24	11.4	7.1	10.3	14.7	5.6	11.3	11.7	9.1	10.2	1.9	0.05	0.17
25	11.5	3.3	9.3	14.9	13.1	14.4	10.4	0.19	5.2	1.9	0.06	0.53
26	8.1	1.4	4.4	14.6	11.8	13.8	2.9	0.07	0.38	0.13	0.05	0.07
27	9.0	5.5	7.7	13.3	5.1	10.1	0.12	0.05	0.07	0.58	0.04	0.07
28	9.2	5.6	7.8	8.6	3.4	5.8	0.10	0.04	0.06	0.06	0.04	0.05
29	9.1	4.8	7.6	7.6	3.6	5.4	0.10	0.05	0.07	0.09	0.05	0.06
30	7.9	5.0	7.1	8.1	4.9	6.7	0.12	0.05	0.06	0.12	0.06	0.07
31	---	---	---	8.0	3.8	6.2	0.07	0.06	0.06	---	---	---
MONTH	11.7	0.07	6.5	17.0	1.1	11.2	11.9	0.04	3.6	---	---	---

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.7	6.6	6.6	6.6	6.4	6.5	7.3	7.0	7.1	7.0	6.9	6.9
2	6.8	6.6	6.7	6.5	6.4	6.4	7.4	7.2	7.3	7.0	6.9	6.9
3	6.9	6.7	6.8	6.5	6.4	6.4	7.3	7.2	7.2	7.0	6.9	7.0
4	6.7	6.6	6.7	6.6	6.4	6.4	7.3	7.1	7.2	7.1	6.9	7.0
5	6.7	6.6	6.7	6.6	6.4	6.5	7.4	7.2	7.2	7.2	7.0	7.1
6	6.8	6.6	6.7	6.6	6.4	6.5	7.4	7.2	7.3	7.3	7.1	7.2
7	6.9	6.8	6.8	6.6	6.5	6.6	7.4	7.4	7.4	7.3	7.1	7.2
8	6.9	6.9	6.9	6.8	6.5	6.6	7.4	7.2	7.3	7.2	7.0	7.2
9	7.0	6.9	7.0	6.9	6.6	6.8	7.2	7.1	7.2	7.2	7.0	7.1
10	7.2	7.0	7.1	6.8	6.5	6.6	7.2	7.1	7.1	7.3	7.1	7.2
11	7.2	7.1	7.2	6.6	6.5	6.6	7.5	7.2	7.3	7.3	7.2	7.2
12	7.2	7.1	7.2	6.8	6.6	6.7	7.4	7.3	7.4	7.3	7.2	7.2
13	7.2	7.0	7.1	7.1	6.8	6.9	7.4	7.1	7.2	7.2	7.2	7.2
14	7.1	6.9	7.0	7.1	7.0	7.1	7.4	7.0	7.2	7.4	7.2	7.2
15	7.2	7.0	7.1	7.1	7.0	7.1	7.1	7.0	7.1	7.4	7.2	7.3
16	7.2	7.1	7.2	7.1	6.8	7.0	7.1	6.7	6.9	7.4	7.3	7.3
17	7.2	6.8	7.0	6.9	6.8	6.8	6.9	6.7	6.8	7.3	7.2	7.3
18	7.1	6.8	7.0	6.9	6.8	6.8	6.8	6.6	6.7	7.3	7.2	7.3
19	7.0	6.9	7.0	7.1	6.8	7.0	6.7	6.6	6.7	7.4	7.3	7.3
20	7.0	6.9	6.9	7.2	7.0	7.1	6.8	6.6	6.7	7.4	7.3	7.3
21	7.0	6.9	7.0	7.2	7.0	7.1	6.8	6.7	6.7	7.4	7.3	7.3
22	7.2	7.0	7.1	7.0	6.8	7.0	6.8	6.7	6.7	7.3	7.2	7.3
23	7.2	7.0	7.2	6.9	6.8	6.8	6.8	6.7	6.7	7.5	7.3	7.4
24	7.4	7.2	7.2	6.9	6.8	6.9	6.9	6.7	6.8	7.4	7.3	7.4
25	7.4	7.2	7.3	7.1	6.9	7.0	6.9	6.8	6.8	7.6	7.4	7.5
26	7.2	7.0	7.1	7.1	6.9	7.0	6.9	6.8	6.8	7.5	7.4	7.5
27	7.1	7.0	7.1	7.0	6.8	6.9	6.9	6.8	6.9	7.5	7.4	7.5
28	7.1	7.1	7.1	7.1	6.8	6.9	6.9	6.8	6.9	7.6	7.3	7.5
29	7.2	7.1	7.1	7.4	7.1	7.2	7.0	6.9	6.9	7.6	7.5	7.5
30	7.1	6.8	7.0	7.3	7.2	7.3	7.0	6.9	7.0	---	---	---
31	7.0	6.5	6.7	---	---	---	7.0	6.9	6.9	7.5	7.2	7.4
MONTH	7.4	6.5	7.0	7.4	6.4	6.8	7.5	6.6	7.0	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	7.3	7.2	7.2	7.0	6.9	7.0	7.1	6.9	7.0	7.2	6.9	7.0
2	7.2	7.1	7.2	7.2	6.9	7.0	7.2	7.0	7.2	7.1	7.0	7.1
3	7.2	7.2	7.2	7.1	6.9	7.0	7.3	7.2	7.3	7.2	7.0	7.1
4	7.3	7.2	7.3	7.0	6.8	7.0	7.4	7.2	7.3	7.3	6.8	7.1
5	7.3	7.2	7.2	7.1	6.9	7.0	7.4	7.2	7.3	6.8	6.6	6.8
6	7.2	7.1	7.2	7.2	6.9	7.0	7.6	7.3	7.4	6.8	6.6	6.6
7	7.3	7.1	7.2	7.2	6.9	7.1	7.4	7.2	7.3	6.7	6.6	6.6
8	7.5	7.3	7.4	7.2	7.0	7.1	7.3	7.1	7.2	6.6	6.6	6.6
9	7.5	7.2	7.3	7.2	7.0	7.1	7.5	7.2	7.3	6.6	6.5	6.5
10	7.2	7.0	7.1	7.3	7.0	7.1	7.6	7.2	7.4	6.6	6.5	6.6
11	7.1	7.0	7.0	7.3	7.2	7.3	7.4	7.2	7.3	6.6	6.4	6.5
12	7.1	7.0	7.0	7.2	7.0	7.1	7.3	7.1	7.2	6.6	6.4	6.5
13	7.1	7.0	7.0	7.3	7.1	7.2	7.3	7.1	7.1	6.6	6.5	6.5
14	7.0	6.9	7.0	7.2	7.0	7.1	7.2	7.0	7.1	6.6	6.5	6.5
15	7.0	6.8	6.9	7.1	7.0	7.1	7.5	7.1	7.3	6.6	6.5	6.6
16	7.0	6.8	6.9	7.1	7.0	7.0	7.4	6.8	7.0	6.7	6.6	6.6
17	6.8	6.7	6.8	7.2	7.0	7.1	6.9	6.7	6.8	6.7	6.6	6.6
18	7.1	6.7	6.9	7.1	7.0	7.0	6.9	6.8	6.8	6.8	6.6	6.7
19	7.0	6.6	6.7	7.2	7.0	7.1	7.0	6.8	6.9	6.9	6.7	6.8
20	7.0	6.5	6.8	7.3	7.1	7.2	7.1	6.9	7.0	7.0	6.8	6.9
21	7.2	6.9	7.0	7.3	7.1	7.2	7.0	6.8	6.9	7.0	6.7	6.9
22	7.1	6.8	7.0	7.4	7.2	7.3	7.0	6.7	6.9	7.6	7.0	7.1
23	7.0	6.8	6.9	7.3	7.0	7.2	7.0	6.8	6.9	7.7	7.1	7.2
24	7.0	6.9	7.0	7.1	7.0	7.1	7.2	6.8	6.9	7.5	7.1	7.2
25	7.1	6.9	7.0	7.1	6.7	7.0	7.0	6.8	6.9	8.0	6.9	7.3
26	7.2	7.0	7.1	7.0	6.9	6.9	7.0	6.8	6.9	8.6	7.0	7.6
27	7.2	7.0	7.2	7.0	6.9	7.0	7.1	6.9	7.0	7.7	6.8	7.3
28	7.0	6.9	7.0	7.2	6.9	7.0	7.5	7.0	7.2	7.4	6.8	7.1
29	7.0	6.9	7.0	7.3	7.1	7.2	7.2	6.9	7.0	7.4	6.7	7.0
30	---	---	---	7.2	7.0	7.1	7.3	6.9	7.0	7.7	7.0	7.4
31	---	---	---	7.3	7.0	7.0	---	---	---	7.2	6.8	7.0
MONTH	7.5	6.5	7.1	7.4	6.7	7.1	7.6	6.7	7.1	8.6	6.4	6.9

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.6	6.8	7.1	6.9	6.7	6.8	8.4	8.1	8.2	6.8	6.7	6.8
2	7.5	6.6	6.9	6.8	6.6	6.7	8.5	7.5	8.0	7.0	6.8	6.9
3	7.5	6.6	6.9	6.7	6.5	6.6	8.2	7.5	7.9	7.0	6.7	6.8
4	8.3	6.7	7.5	6.8	6.5	6.6	7.5	6.9	7.2	6.8	6.7	6.7
5	7.6	6.9	7.1	6.8	6.7	6.7	7.3	6.8	7.0	6.8	6.7	6.7
6	7.1	6.4	6.7	7.1	6.6	6.8	7.4	7.0	7.2	6.7	6.6	6.7
7	7.3	6.6	6.8	7.1	6.8	6.9	7.3	6.8	7.0	6.7	6.5	6.6
8	7.0	6.4	6.6	7.2	6.8	7.0	7.0	6.7	6.8	6.7	6.5	6.6
9	7.0	6.4	6.7	7.2	6.8	7.0	7.0	6.6	6.8	6.7	6.5	6.7
10	7.3	6.6	6.9	7.2	6.9	7.0	7.2	6.7	6.9	---	---	---
11	7.1	6.7	6.9	7.5	6.9	7.2	7.3	6.7	6.9	---	---	---
12	7.2	6.7	6.9	8.0	7.0	7.4	7.7	6.8	7.1	---	---	---
13	7.0	6.6	6.8	8.9	7.3	8.0	7.3	7.1	7.2	---	---	---
14	6.8	6.6	6.7	8.5	7.0	7.7	7.3	7.0	7.1	---	---	---
15	6.8	6.6	6.7	8.6	7.2	7.8	7.1	6.9	7.0	---	---	---
16	6.9	6.7	6.8	7.5	7.0	7.2	6.9	6.7	6.8	---	---	---
17	7.0	6.8	6.9	7.6	6.9	7.1	6.8	6.5	6.6	---	---	---
18	7.0	6.6	6.9	7.9	7.0	7.5	6.6	6.4	6.5	---	---	---
19	7.9	6.7	7.2	8.8	7.1	7.7	6.5	6.4	6.4	---	---	---
20	7.3	6.8	7.0	8.0	7.1	7.4	6.6	6.3	6.4	---	---	---
21	7.3	6.8	7.0	7.7	6.8	7.3	6.5	6.4	6.4	---	---	---
22	7.1	6.7	6.9	8.3	6.8	7.1	6.5	6.4	6.5	---	---	---
23	7.6	6.9	7.1	8.5	7.4	8.0	6.5	6.4	6.4	6.7	6.6	6.6
24	7.9	7.0	7.3	8.7	7.3	7.9	6.5	6.4	6.4	6.9	6.7	6.8
25	7.4	6.8	7.0	7.8	6.9	7.3	6.6	6.4	6.5	6.9	6.8	6.8
26	7.6	7.0	7.1	8.4	6.8	7.6	6.5	6.4	6.5	6.8	6.7	6.8
27	7.4	6.8	7.1	8.5	7.5	8.1	6.6	6.4	6.5	6.9	6.7	6.8
28	7.2	6.8	6.9	8.6	7.3	7.9	6.6	6.4	6.5	6.9	6.7	6.8
29	7.1	6.8	6.9	8.1	7.1	7.6	6.7	6.4	6.6	7.1	6.8	6.9
30	7.1	6.7	6.9	8.7	7.5	8.2	6.8	6.7	6.8	7.0	6.8	6.9
31	---	---	---	8.6	7.8	8.4	6.8	6.7	6.8	---	---	---
MONTH	8.3	6.4	6.9	8.9	6.5	7.4	8.5	6.3	6.9	---	---	---

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	6.7	6.3	6.4	6.8	6.7	6.8	8.3	6.7	7.6	6.8	6.6	6.7
2	6.5	6.3	6.4	6.8	6.6	6.7	8.0	6.8	7.1	7.0	6.8	6.9
3	6.4	6.3	6.4	7.0	6.7	6.9	7.7	6.9	7.4	6.9	6.7	6.8
4	7.5	6.3	6.6	7.1	6.7	7.0	7.3	6.6	6.9	6.7	6.6	6.7
5	6.8	6.4	6.6	7.0	6.6	6.8	6.8	6.6	6.7	6.8	6.7	6.7
6	6.5	6.3	6.4	7.1	7.0	7.1	7.0	6.6	6.7	6.8	6.6	6.7
7	6.5	6.3	6.3	7.3	6.9	7.2	6.7	6.6	6.6	6.6	6.5	6.6
8	6.6	6.4	6.5	7.0	6.7	6.9	6.7	6.6	6.6	6.7	6.5	6.6
9	6.6	6.4	6.5	7.1	6.8	7.0	6.8	6.5	6.7	6.7	6.6	6.7
10	6.9	6.4	6.6	7.2	6.9	7.1	6.9	6.4	6.7	---	---	---
11	6.9	6.6	6.8	7.2	6.9	7.2	6.8	6.3	6.6	---	---	---
12	6.9	6.8	6.8	7.3	6.8	7.1	7.2	6.3	6.7	---	---	---
13	6.9	6.6	6.7	7.2	6.7	6.9	---	---	---	---	---	---
14	6.7	6.5	6.6	7.2	6.8	7.1	7.3	6.9	7.1	---	---	---
15	6.7	6.5	6.5	7.3	6.9	7.1	7.2	6.8	7.0	---	---	---
16	6.7	6.5	6.6	7.2	7.1	7.2	7.0	6.7	6.9	---	---	---
17	6.8	6.6	6.7	7.3	7.0	7.2	6.8	6.6	6.7	---	---	---
18	6.8	6.5	6.7	7.3	6.9	7.2	6.6	6.5	6.5	---	---	---
19	6.8	6.5	6.6	7.4	6.9	7.3	6.5	6.4	6.5	---	---	---
20	6.7	6.5	6.6	7.4	7.0	7.3	6.5	6.2	6.4	---	---	---
21	6.7	6.6	6.6	7.4	7.1	7.3	6.5	6.3	6.4	---	---	---
22	6.6	6.5	6.5	7.3	6.9	7.2	6.5	6.3	6.4	---	---	---
23	6.7	6.4	6.5	7.7	6.9	7.2	7.1	6.3	6.6	6.8	6.7	6.7
24	6.9	6.4	6.7	7.4	6.8	7.1	7.2	7.0	7.1	6.9	6.7	6.8
25	7.0	6.7	6.9	7.5	7.1	7.3	7.1	6.5	6.8	6.9	6.7	6.8
26	7.0	6.6	6.7	7.4	7.1	7.3	6.7	6.4	6.5	6.9	6.7	6.8
27	6.8	6.6	6.7	7.3	6.9	7.2	6.6	6.4	6.5	6.9	6.7	6.8
28	6.8	6.6	6.7	8.3	6.9	7.3	6.5	6.4	6.4	7.0	6.8	6.9
29	6.8	6.8	6.8	7.8	6.8	7.2	6.7	6.4	6.5	7.0	6.9	7.0
30	6.8	6.7	6.8	7.6	6.8	7.0	6.8	6.7	6.7	7.0	6.8	6.9
31	---	---	---	8.4	6.8	7.3	6.8	6.6	6.7	---	---	---
MONTH	7.5	6.3	6.6	8.4	6.6	7.1	---	---	---	---	---	---

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.9	21.5	22.1	17.0	15.8	16.3	11.7	10.8	11.2	8.4	7.3	7.9
2	21.8	20.4	21.1	18.6	15.7	16.7	11.3	9.8	10.8	8.3	7.4	7.9
3	20.8	18.8	20.1	18.0	16.1	17.0	10.2	8.8	9.3	9.4	7.6	8.5
4	20.1	19.0	19.6	17.9	16.9	17.2	9.0	8.3	8.7	10.8	9.1	9.8
5	21.6	19.1	20.1	19.2	17.6	18.2	9.1	8.7	8.9	12.9	10.6	11.5
6	20.3	19.4	19.8	19.6	18.5	18.8	8.9	8.1	8.7	13.0	10.7	12.1
7	20.7	19.6	20.2	19.4	19.1	19.3	8.3	7.3	7.9	10.7	8.5	9.4
8	20.5	19.9	20.2	19.3	17.6	18.7	8.2	6.9	7.6	9.2	7.4	8.3
9	20.6	19.7	20.2	17.6	16.2	16.8	8.3	7.2	7.7	9.5	7.4	8.0
10	20.6	20.2	20.4	16.2	15.2	15.5	9.2	7.7	8.2	7.5	6.2	6.9
11	20.6	20.0	20.3	15.8	14.6	14.9	10.0	8.6	9.2	6.2	5.2	5.6
12	20.9	19.9	20.4	16.4	15.2	15.8	9.7	8.5	9.0	6.4	4.7	5.7
13	22.2	20.4	21.0	16.4	15.2	16.0	9.2	8.6	8.9	6.8	5.6	6.2
14	21.6	21.0	21.2	15.2	13.5	14.2	9.2	8.6	8.9	6.7	5.7	6.1
15	21.1	19.7	20.1	13.6	12.6	13.0	8.6	7.9	8.3	7.0	5.6	6.2
16	19.8	18.9	19.3	14.1	12.9	13.4	8.5	7.7	8.0	6.2	5.1	5.8
17	19.6	18.7	19.0	14.9	13.9	14.5	9.1	7.8	8.4	6.1	4.5	5.3
18	19.7	18.6	19.0	15.5	14.5	14.9	8.5	7.7	8.1	7.4	5.6	6.4
19	19.5	17.9	18.7	15.9	15.0	15.4	7.7	6.9	7.3	7.4	6.9	7.2
20	19.4	18.2	18.6	15.7	14.7	15.2	7.0	6.0	6.7	6.9	5.2	5.8
21	19.4	18.3	18.8	16.6	14.3	15.0	6.4	5.5	5.9	5.8	4.7	5.2
22	19.4	18.6	19.1	16.3	14.3	15.1	6.3	5.4	5.8	6.6	4.9	5.8
23	18.7	17.8	18.1	15.8	14.8	15.2	6.7	5.7	6.2	6.3	5.7	5.9
24	17.9	17.0	17.5	15.7	14.7	15.3	8.4	6.7	7.5	6.3	5.1	5.8
25	17.2	16.1	16.6	15.5	14.2	15.0	7.8	7.2	7.6	6.0	4.5	5.1
26	17.8	16.6	17.0	14.3	13.6	13.8	7.5	6.9	7.1	4.5	3.8	4.3
27	18.6	17.4	18.0	13.8	13.5	13.7	7.3	6.4	6.9	4.2	3.8	4.0
28	18.6	18.1	18.3	14.8	13.3	13.9	7.3	6.2	6.8	4.4	3.4	4.0
29	18.4	17.5	17.9	14.2	12.1	12.6	7.4	6.5	6.9	4.4	3.0	3.8
30	18.9	17.2	17.9	12.4	10.7	11.3	8.9	7.1	8.0	4.6	3.6	4.1
31	17.6	16.5	16.9	---	---	---	8.7	7.4	8.0	4.3	2.6	3.8
MONTH	22.9	16.1	19.3	19.6	10.7	15.4	11.7	5.4	8.0	13.0	2.6	6.5
		FEBRUARY			MARCH			APRIL			MAY	
1	3.9	2.8	3.3	9.6	7.1	8.2	15.8	14.9	15.3	22.0	21.4	21.6
2	4.7	3.0	3.8	12.4	8.9	10.2	14.9	14.1	14.3	22.3	21.1	21.7
3	5.8	4.4	5.1	13.1	10.8	11.7	14.4	13.6	14.1	22.2	21.2	21.6
4	6.6	5.2	5.9	14.6	11.9	13.2	15.1	13.8	14.3	21.9	20.1	20.8
5	6.2	5.4	5.8	15.9	13.6	14.7	14.5	12.9	13.6	20.8	19.3	20.0
6	8.8	5.7	7.0	17.2	15.0	16.2	14.8	12.2	13.5	21.8	18.8	19.9
7	10.5	8.8	9.8	17.7	16.7	17.0	15.6	13.7	14.4	21.7	19.4	20.4
8	9.8	8.6	9.1	16.7	15.0	15.6	17.3	15.2	16.2	23.2	20.6	21.7
9	8.9	7.2	7.9	15.8	13.8	14.7	19.1	16.7	17.5	23.2	21.5	22.2
10	8.5	8.0	8.2	14.8	12.5	13.4	18.5	17.5	18.0	23.6	21.7	22.4
11	8.8	8.1	8.4	12.7	11.4	12.1	18.9	17.7	18.3	23.6	22.0	22.7
12	8.8	8.0	8.4	13.2	11.8	12.5	18.5	17.8	18.0	24.2	22.5	23.2
13	9.1	7.9	8.5	13.4	12.2	12.8	19.0	17.9	18.3	24.4	23.0	23.6
14	8.9	8.5	8.7	13.2	12.3	12.8	18.3	16.8	17.6	24.7	23.1	23.8
15	8.6	8.2	8.5	14.2	13.0	13.5	17.2	16.1	16.7	25.1	23.7	24.5
16	8.2	7.0	7.4	14.0	13.8	13.9	19.5	16.3	17.5	25.9	24.4	25.0
17	7.2	6.2	6.5	13.9	12.7	13.4	18.3	16.5	17.3	26.5	24.8	25.6
18	7.3	5.7	6.4	12.9	12.0	12.6	19.4	17.3	18.3	26.6	25.4	25.9
19	7.4	5.6	6.4	14.0	12.6	13.3	20.6	18.4	19.5	27.4	25.1	26.1
20	8.5	6.3	7.3	14.6	12.7	13.6	21.5	19.2	20.1	28.0	25.7	26.4
21	10.0	7.6	8.8	14.5	13.2	13.8	22.0	20.4	21.1	27.9	26.0	26.6
22	10.4	8.6	9.4	13.9	12.5	13.0	22.5	20.7	21.6	29.0	26.5	27.6
23	10.1	8.8	9.5	14.3	11.8	12.8	23.0	21.1	22.1	28.5	27.0	27.8
24	9.7	9.0	9.3	13.7	12.6	13.2	23.1	21.8	22.5	28.1	26.9	27.4
25	9.4	8.6	9.0	14.6	12.5	13.5	22.4	21.8	22.1	28.2	26.8	27.3
26	9.0	7.7	8.2	15.7	13.6	14.5	23.3	21.8	22.5	29.4	26.8	28.1
27	7.7	6.8	7.3	16.8	14.8	15.8	22.8	21.7	22.3	29.2	26.8	28.2
28	7.6	6.0	6.8	16.8	15.8	16.4	22.8	20.6	21.5	29.0	26.8	27.9
29	8.6	6.4	7.3	15.9	14.8	15.3	21.8	20.2	21.1	27.8	25.8	26.8
30	---	---	---	16.3	14.5	15.3	22.3	20.8	21.7	27.0	25.5	26.0
31	---	---	---	16.2	15.6	15.9	---	---	---	27.1	25.5	26.3
MONTH	10.5	2.8	7.5	17.7	7.1	13.7	23.3	12.2	18.4	29.4	18.8	24.5

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.5	26.0	26.7	28.0	26.6	27.2	30.0	28.5	29.2	26.5	25.7	26.0
2	27.7	25.7	26.6	27.5	26.2	26.8	29.6	29.0	29.3	26.3	24.9	25.5
3	28.2	26.1	27.0	27.1	26.1	26.5	29.1	28.3	28.6	26.8	25.0	25.8
4	28.3	27.2	27.8	28.2	26.6	27.3	29.5	27.8	28.6	26.9	25.8	26.3
5	28.7	26.5	27.4	29.6	27.1	28.2	29.7	28.2	29.0	27.0	25.9	26.4
6	27.7	26.4	27.0	29.3	27.6	28.2	29.5	27.0	28.1	26.8	25.3	26.0
7	28.7	27.3	27.6	30.3	27.9	28.6	28.1	26.0	27.0	25.4	25.0	25.2
8	28.5	27.4	27.7	30.4	28.9	29.6	27.6	26.2	27.1	25.9	24.9	25.4
9	28.4	27.2	27.7	31.6	28.9	29.8	27.6	26.1	26.9	26.3	25.2	25.7
10	28.8	26.8	27.6	31.2	29.4	30.0	28.1	26.4	27.0	---	---	---
11	29.5	26.3	27.7	30.9	28.7	29.6	27.7	26.5	27.2	---	---	---
12	27.5	26.0	26.6	30.4	28.6	29.3	27.6	26.7	27.0	---	---	---
13	26.6	24.8	25.8	31.0	29.0	29.9	26.9	26.3	26.6	---	---	---
14	25.8	24.9	25.4	30.9	29.2	29.9	26.5	25.3	25.9	---	---	---
15	26.7	24.6	25.6	30.8	29.4	30.0	25.4	24.4	24.8	---	---	---
16	26.9	25.6	26.2	30.1	28.1	28.8	25.1	23.9	24.5	---	---	---
17	27.0	26.0	26.4	29.7	28.7	29.2	25.9	23.5	24.5	---	---	---
18	27.4	26.6	26.9	29.5	28.3	28.9	25.5	23.9	24.6	---	---	---
19	30.5	26.6	28.4	30.9	28.4	29.0	25.6	23.9	24.6	---	---	---
20	29.2	26.7	27.7	29.2	27.0	28.0	26.4	24.7	25.3	---	---	---
21	28.8	25.6	27.1	29.9	28.5	28.8	26.7	25.5	26.0	---	---	---
22	28.8	27.5	28.1	29.9	28.6	29.2	26.1	25.5	25.7	---	---	---
23	29.7	27.7	28.5	29.8	28.7	29.4	26.8	24.9	25.8	24.2	22.0	23.0
24	29.3	28.0	28.4	30.5	28.1	29.1	26.6	24.8	25.7	23.4	22.7	23.0
25	29.8	27.6	28.5	29.4	27.8	28.4	26.3	24.6	25.5	23.6	22.4	23.0
26	29.1	27.6	28.3	30.3	28.1	29.0	25.8	24.9	25.4	23.3	22.5	23.0
27	29.1	27.1	27.8	30.9	29.7	30.2	26.5	24.9	25.6	23.9	22.6	23.2
28	28.6	27.2	27.9	30.4	28.7	29.5	28.5	25.5	26.3	24.0	23.1	23.5
29	28.5	27.1	27.7	29.0	27.8	28.4	27.6	26.0	26.7	26.2	23.1	24.1
30	28.7	27.0	27.7	29.3	27.6	28.4	26.8	25.9	26.4	24.9	23.8	24.2
31	---	---	---	29.6	28.1	28.8	27.4	25.9	26.4	---	---	---
MONTH	30.5	24.6	27.3	31.6	26.1	28.8	30.0	23.5	26.5	---	---	---

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.6	22.3	23.1	16.5	15.6	16.0	12.8	10.7	11.4	8.9	7.5	8.3
2	22.9	20.6	21.8	16.8	15.6	16.2	12.5	10.3	11.2	8.7	7.6	8.1
3	21.0	18.6	19.7	17.5	16.0	16.6	11.2	8.9	9.6	9.1	7.7	8.2
4	19.7	18.9	19.3	17.7	16.8	17.1	9.2	8.2	8.7	10.7	8.7	9.5
5	20.3	19.0	19.6	18.8	17.6	17.9	9.1	8.5	8.8	12.6	10.3	11.3
6	20.1	19.2	19.5	19.1	18.4	18.6	9.1	8.4	8.7	12.9	10.7	12.1
7	20.6	19.4	19.8	19.4	19.0	19.3	8.6	7.6	8.2	10.7	9.1	9.9
8	20.5	20.0	20.2	19.2	17.6	18.7	8.8	7.1	8.0	10.4	9.3	10
9	20.6	19.8	20.2	17.6	16.1	16.8	9.0	7.9	8.6	10.4	9.3	10
10	20.6	20.1	20.4	16.1	15.1	15.4	9.0	7.9	8.5	9.5	6.5	7.7
11	20.6	20.0	20.3	15.3	14.5	14.7	9.9	8.4	9.1	7.2	5.3	6.2
12	20.5	19.9	20.1	16.3	15.0	15.7	9.1	8.4	8.9	6.6	5.6	6.1
13	21.5	20.3	20.7	16.4	15.1	15.9	9.0	8.5	8.7	6.9	6.0	6.5
14	21.5	20.9	21.1	15.2	13.3	13.9	9.0	8.5	8.8	7.0	6.0	6.5
15	21.0	19.6	20.0	13.5	12.5	12.8	8.5	7.8	8.2	7.1	5.8	6.5
16	19.7	18.7	19.1	13.8	12.8	13.1	8.4	7.6	7.9	6.3	5.7	6.0
17	18.9	18.4	18.7	14.3	13.7	14.0	9.1	7.8	8.3	6.5	5.7	6.2
18	19.2	18.5	18.8	15.0	14.0	14.4	8.5	7.6	8.1	7.3	6.0	6.6
19	18.5	17.7	18.0	15.8	14.7	15.3	7.6	6.9	7.3	7.5	7.0	7.2
20	18.4	18.0	18.1	15.6	14.8	15.1	6.9	6.0	6.6	7.0	5.3	6.1
21	19.3	18.2	18.7	15.2	14.2	14.5	6.4	5.5	5.8	6.8	4.7	5.9
22	19.2	18.5	18.9	15.1	14.1	14.4	6.3	5.4	5.8	6.9	5.9	6.4
23	18.5	17.4	18.0	15.1	14.4	14.7	6.6	5.6	6.1	7.0	6.0	6.4
24	17.8	16.9	17.3	15.6	14.6	15.0	8.3	6.6	7.4	6.3	5.2	5.9
25	17.1	16.0	16.4	15.4	14.0	14.9	7.8	7.1	7.5	6.1	4.6	5.2
26	17.1	16.3	16.6	14.1	13.4	13.6	7.5	6.8	7.1	4.8	3.9	4.3
27	18.0	17.1	17.6	13.7	13.3	13.5	7.3	6.4	6.8	4.6	3.9	4.2
28	18.3	18.0	18.2	14.7	13.1	13.7	8.0	6.2	7.0	4.4	3.8	4.1
29	18.3	17.3	17.7	14.0	11.8	12.4	7.7	6.7	7.1	4.4	3.0	3.9
30	18.1	17.0	17.5	12.2	10.6	11.0	8.8	7.2	8.0	4.5	3.8	4.3
31	17.4	16.3	16.6	---	---	---	8.8	7.9	8.5	4.5	3.6	4.0
MONTH	23.6	16.0	19.1	19.4	10.6	15.2	12.8	5.4	8.1	12.9	3.0	6.9
		FEBRUARY			MARCH			APRIL			MAY	
1	4.2	3.4	4.0	9.5	7.0	8.1	15.8	14.9	15.3	22.1	21.4	21.7
2	4.4	3.7	4.1	12.1	8.7	10	14.9	14.1	14.3	22.3	21.1	21.6
3	5.5	4.4	4.9	12.6	10.6	11.2	14.4	13.6	14.1	22.1	21.3	21.6
4	6.4	4.9	5.6	14.3	11.8	13.0	15.1	13.8	14.4	21.3	20.1	20.5
5	6.2	5.2	5.8	15.8	13.4	14.4	14.4	13.2	13.7	20.8	19.2	19.8
6	8.7	5.7	6.9	17.1	14.8	16.0	14.0	12.7	13.4	20.2	18.7	19.1
7	10.4	8.7	9.7	17.4	16.4	16.8	14.8	13.6	14.0	20.8	19.2	19.7
8	9.8	8.6	9.1	16.6	14.7	15.4	17.2	14.6	15.9	22.8	20.5	21.4
9	8.9	7.3	7.9	15.0	13.7	14.3	18.4	16.4	17.2	22.8	21.4	21.9
10	8.5	7.9	8.2	14.5	12.4	13.3	18.5	17.5	18.0	23.5	21.6	22.1
11	8.6	8.1	8.4	12.6	11.1	12.0	18.8	17.7	18.2	23.6	21.9	22.4
12	8.8	8.0	8.4	13.1	11.7	12.4	18.5	17.7	18.0	24.1	22.4	22.9
13	8.9	7.8	8.3	13.2	12.0	12.6	19.0	17.9	18.3	---	---	---
14	8.8	8.5	8.6	13.1	12.2	12.5	18.3	16.8	17.6	---	---	---
15	8.6	8.1	8.5	13.7	12.8	13.1	17.2	16.1	16.7	---	---	---
16	8.1	6.9	7.3	13.8	13.5	13.8	18.1	16.3	16.7	---	---	---
17	7.2	6.2	6.5	13.8	12.6	13.3	18.3	16.5	17.2	---	---	---
18	7.2	5.7	6.3	12.7	11.9	12.4	19.4	17.2	18.1	---	---	---
19	7.3	5.6	6.3	13.8	12.6	13.1	20.7	18.4	19.4	---	---	---
20	8.4	6.3	7.1	14.4	12.6	13.3	20.9	19.1	19.5	---	---	---
21	9.8	7.5	8.7	14.4	13.1	13.7	22.0	20.2	20.9	26.6	23.3	25.0
22	9.9	8.5	9.1	13.8	12.1	12.9	22.5	20.7	21.5	27.6	23.0	24.3
23	9.9	8.7	9.3	13.4	11.6	12.2	23.0	21.0	21.9	28.5	23.5	26.7
24	9.6	8.9	9.2	13.6	12.2	12.9	23.0	21.6	22.4	28.1	26.6	27.2
25	9.3	8.5	8.9	14.4	12.3	13.1	22.4	21.8	22.1	27.6	26.6	27.0
26	8.9	7.5	8.1	15.0	13.5	14.0	23.2	21.8	22.5	27.4	25.2	26.3
27	7.6	6.7	7.2	16.8	14.5	15.5	22.8	21.7	22.3	25.8	24.7	25.0
28	7.5	6.0	6.6	16.8	15.6	16.3	21.7	20.5	20.9	25.6	24.8	25.1
29	8.4	6.3	7.1	16.0	14.8	15.3	21.7	20.1	20.9	26.0	24.7	25.0
30	---	---	---	16.1	14.4	15.1	22.3	20.7	21.5	26.1	25.5	25.8
31	---	---	---	16.3	15.5	15.9	---	---	---	25.9	25.5	25.7
MONTH	10.4	3.4	7.5	17.4	7.0	13.5	23.2	12.7	18.2	---	---	---

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	26.0	25.2	25.5	27.8	27.1	27.5	30.0	28.7	29.2	26.5	25.7	26.0
2	26.5	25.2	25.4	27.5	26.7	27.2	29.6	29.2	29.4	26.3	24.9	25.5
3	26.5	25.6	25.8	27.5	27.0	27.2	29.5	28.3	28.7	26.7	25.0	25.7
4	27.8	25.7	26.6	27.3	27.0	27.1	28.7	28.5	28.6	26.8	25.7	26.2
5	27.4	26.8	27.1	27.6	27.1	27.2	28.8	28.4	28.5	27.0	25.8	26.4
6	27.1	26.8	26.9	27.6	27.2	27.4	28.6	28.2	28.3	26.8	25.3	26.0
7	27.0	26.7	26.8	28.0	27.4	27.6	28.3	27.5	27.8	25.3	25.0	25.2
8	26.8	26.5	26.6	29.0	27.6	28.1	27.7	27.4	27.5	25.8	24.9	25.3
9	27.1	26.5	26.8	28.6	27.7	28.1	27.5	27.0	27.2	26.2	25.2	25.7
10	27.4	26.5	26.9	28.4	27.7	27.9	27.3	26.8	27.0	---	---	---
11	27.8	26.5	26.9	28.4	27.9	28.0	27.2	26.9	27.1	---	---	---
12	27.4	26.5	26.8	29.1	27.8	28.3	27.4	26.9	27.1	---	---	---
13	26.8	26.2	26.6	29.3	28.0	28.6	26.9	26.3	26.6	---	---	---
14	26.3	25.2	25.7	28.6	27.9	28.1	26.7	25.5	26.2	---	---	---
15	26.0	24.5	25.2	28.7	27.9	28.2	25.7	24.6	25.1	---	---	---
16	26.8	25.5	26.0	28.2	27.9	28.0	25.4	24.0	24.5	---	---	---
17	27.0	25.9	26.3	28.9	27.8	28.0	25.6	23.6	24.3	---	---	---
18	27.3	26.5	26.7	28.6	28.0	28.2	25.0	23.8	24.2	---	---	---
19	27.2	26.2	26.6	28.4	27.9	28.1	25.4	23.8	24.3	---	---	---
20	26.5	26.3	26.4	28.4	27.9	28.0	26.1	24.7	25.1	---	---	---
21	26.8	26.2	26.4	28.1	27.8	27.9	26.6	25.4	25.9	---	---	---
22	28.1	26.5	27.1	28.9	27.8	28.1	26.1	25.5	25.7	---	---	---
23	28.2	26.8	27.5	29.0	27.9	28.4	25.8	24.9	25.4	23.7	21.7	22.5
24	27.5	26.5	26.8	28.9	28.0	28.4	25.9	25.7	25.8	23.4	22.6	22.9
25	28.6	26.4	27.0	28.5	28.0	28.2	26.0	24.6	25.4	23.6	22.5	23.0
26	28.4	27.5	27.9	28.6	28.0	28.2	25.7	24.8	25.3	23.2	22.4	22.9
27	27.9	27.2	27.5	30.1	28.1	28.9	26.4	24.9	25.6	23.7	22.6	23.1
28	27.9	27.2	27.5	30.1	28.7	29.4	27.1	25.5	25.9	23.8	23.1	23.4
29	27.7	27.3	27.5	29.0	28.3	28.6	27.0	26.0	26.6	24.7	23.0	23.3
30	27.7	27.3	27.5	28.6	28.3	28.5	26.8	25.9	26.4	24.3	23.2	23.9
31	---	---	---	29.6	28.4	28.8	26.9	25.8	26.2	---	---	---
MONTH	28.6	24.5	26.7	30.1	26.7	28.1	30.0	23.6	26.5	---	---	---

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	4.2	2.9	3.6	5.8	5.5	5.7	9.8	8.8	9.3	10.3	10.0	10.1
2	5.1	3.8	4.3	6.1	5.7	5.8	9.8	9.2	9.6	10.3	10.0	10.2
3	5.7	4.8	5.2	6.2	5.8	6.0	10.2	9.6	10	10.4	10.0	10.2
4	5.1	4.4	4.7	5.9	5.2	5.6	10.6	9.5	9.9	10.4	10.0	10.2
5	5.2	4.4	4.8	5.6	5.0	5.3	10.6	10.2	10.3	10.2	9.8	10.0
6	5.2	4.4	4.8	5.3	4.7	5.1	10.9	10.2	10.4	10.0	9.0	9.7
7	6.1	4.9	5.6	5.8	5.0	5.4	11.0	10.6	10.8	10.1	9.2	9.6
8	6.1	5.2	5.8	6.5	5.1	5.8	11.0	10.3	10.8	10.3	9.5	9.8
9	6.6	5.6	6.1	7.5	6.3	6.9	10.4	10.1	10.2	10.0	7.6	9.6
10	7.1	6.5	6.8	7.2	4.8	5.7	10.6	10.1	10.3	10.8	9.7	10.1
11	7.2	6.6	6.9	5.0	4.4	4.7	11.2	9.9	10.8	10.8	10.1	10.4
12	6.9	6.5	6.7	6.6	4.8	5.5	11.2	10.0	10.8	11.3	10.1	10.6
13	6.8	5.9	6.4	8.0	6.3	7.1	10.6	9.6	10.0	11.3	10.4	10.8
14	6.3	5.6	6.0	8.6	7.8	8.2	10.6	9.3	9.8	11.4	10.5	11.1
15	6.7	5.8	6.2	8.7	8.1	8.4	10.0	9.6	9.9	11.4	10.7	11.1
16	6.9	6.2	6.5	8.4	7.1	7.6	9.8	9.1	9.4	11.8	11.1	11.4
17	6.4	5.1	5.7	7.3	6.9	7.1	9.8	9.1	9.4	12.0	11.0	11.7
18	6.6	5.4	6.0	7.9	7.0	7.3	9.8	9.0	9.3	11.8	11.1	11.5
19	7.0	6.2	6.5	8.3	7.3	7.9	9.8	9.1	9.5	11.6	11.0	11.3
20	6.7	5.9	6.4	8.6	7.7	8.3	10.3	9.4	9.8	12.0	11.2	11.6
21	7.0	6.0	6.5	8.7	7.8	8.3	10.4	9.9	10.1	12.0	11.5	11.7
22	7.6	6.5	7.1	7.9	6.9	7.4	10.6	10.1	10.3	11.9	11.1	11.5
23	7.7	6.7	7.4	7.1	6.6	6.9	10.7	10.3	10.5	11.7	11.2	11.5
24	8.2	7.4	7.7	7.5	6.7	7.0	10.8	10.0	10.4	11.9	11.3	11.6
25	8.2	7.6	7.9	8.5	7.4	8.0	10.6	10.1	10.3	12.3	11.5	11.9
26	7.8	7.2	7.5	8.5	7.4	8.1	10.4	9.9	10.2	12.6	12.0	12.3
27	7.5	7.2	7.3	7.5	7.1	7.3	10.4	10.0	10.2	12.5	11.9	12.3
28	7.5	7.0	7.2	8.7	7.1	7.7	10.6	10.1	10.3	12.7	11.7	12.2
29	7.6	7.2	7.4	9.7	8.6	9.2	10.6	10.2	10.4	12.7	11.9	12.3
30	7.3	6.0	6.6	9.9	9.3	9.6	10.7	10.2	10.5	12.7	11.8	12.2
31	6.2	5.5	5.8	---	---	---	10.6	10.0	10.3	12.3	11.4	11.9
MONTH	8.2	2.9	6.2	9.9	4.4	7.0	11.2	8.8	10.1	12.7	7.6	11.0
		FEBRUARY			MARCH			APRIL			MAY	
1	12.3	12.1	12.2	10.8	10.4	10.6	---	---	---	7.9	6.5	6.9
2	12.2	12.0	12.1	10.6	10.3	10.4	---	---	---	7.1	6.4	6.9
3	12.0	11.7	11.8	10.3	10.0	10.2	---	---	---	7.0	6.6	6.8
4	11.8	11.5	11.7	10.2	9.6	9.8	---	---	---	7.3	6.1	6.8
5	11.8	11.6	11.7	9.6	8.9	9.3	---	---	---	6.2	5.3	5.8
6	11.8	11.1	11.6	9.0	8.6	8.8	---	---	---	5.7	4.8	5.3
7	11.1	10.5	10.7	8.9	8.3	8.6	---	---	---	5.3	4.9	5.0
8	10.7	10.2	10.5	8.4	7.4	8.1	---	---	---	5.6	5.0	5.3
9	11.2	10.3	10.8	8.7	8.2	8.4	---	---	---	5.5	4.5	4.9
10	10.9	10.6	10.8	8.9	8.2	8.6	---	---	---	5.2	4.7	4.9
11	10.8	10.5	10.6	9.2	8.8	9.0	---	---	---	5.1	4.6	4.8
12	10.6	9.9	10.4	9.0	8.5	8.7	---	---	---	5.0	4.3	4.6
13	10.4	10.2	10.3	9.2	8.5	8.8	---	---	---	5.0	4.2	4.6
14	10.3	9.8	10	8.9	8.3	8.7	---	---	---	4.7	4.1	4.4
15	10.0	9.7	9.8	8.5	8.2	8.3	---	---	---	4.9	4.1	4.5
16	10.6	9.8	10.4	8.3	8.0	8.2	---	---	---	5.3	4.3	4.6
17	10.6	10.2	10.3	8.2	8.0	8.1	---	---	---	5.8	4.2	4.8
18	11.1	10.2	10.6	8.1	7.8	7.9	---	---	---	6.2	4.7	5.1
19	11.0	10.6	10.8	8.3	7.8	8.0	---	---	---	6.6	4.8	5.5
20	11.1	10.5	10.7	8.4	7.8	8.1	---	---	---	7.3	5.1	6.1
21	10.9	10.6	10.7	8.3	7.9	8.1	---	---	---	7.1	6.0	6.7
22	11.0	10.2	10.6	8.5	8.1	8.3	---	---	---	8.3	6.4	7.0
23	10.7	10.0	10.4	8.5	7.8	8.2	7.4	6.7	7.0	8.5	6.8	7.4
24	10.4	10.1	10.2	8.2	7.8	8.0	8.0	6.5	7.1	8.2	6.7	7.3
25	10.5	10.1	10.3	8.4	7.7	8.0	7.2	6.6	6.9	9.3	6.5	7.6
26	10.8	10.3	10.5	---	---	---	7.1	6.5	6.8	10.0	6.6	8.0
27	11.0	10.5	10.8	---	---	---	7.7	6.8	7.1	8.8	2.8	7.4
28	10.5	9.9	10.1	---	---	---	8.6	6.9	7.5	7.0	2.8	6.0
29	10.7	9.9	10.3	---	---	---	8.0	6.4	7.0	6.8	0.1	4.5
30	---	---	---	---	---	---	8.4	6.2	6.9	7.2	3.8	6.6
31	---	---	---	---	---	---	---	---	---	6.2	4.7	5.4
MONTH	12.3	9.7	10.7	---	---	---	---	---	---	10.0	0.1	5.9

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.0	4.9	6.1	4.9	2.0	4.0	8.0	7.0	7.4	5.8	4.6	5.3
2	7.7	0.1	4.3	4.6	3.3	4.0	8.1	5.4	7.0	6.5	5.5	6.0
3	7.4	0.3	4.9	4.3	3.0	3.8	7.3	5.4	6.4	6.3	5.0	5.6
4	8.0	3.3	6.3	4.3	3.2	3.7	6.9	3.1	4.7	5.4	4.6	5.0
5	6.8	4.3	5.5	4.5	3.6	4.0	6.0	1.9	3.8	5.5	5.0	5.2
6	5.7	1.1	3.2	4.0	0.1	2.1	6.7	3.3	5.5	5.6	4.6	5.1
7	6.4	2.9	4.5	3.8	0.1	1.3	6.2	2.4	4.2	4.8	4.2	4.6
8	5.2	1.4	3.1	4.0	2.1	3.3	4.5	1.3	2.6	5.7	4.2	4.8
9	4.9	1.4	3.1	7.9	2.6	4.9	5.2	2.2	3.5	5.9	4.6	5.2
10	7.5	2.6	4.9	7.6	3.7	5.6	7.1	2.1	4.8	---	---	---
11	6.9	4.5	5.9	8.6	1.1	5.0	7.5	2.6	5.1	---	---	---
12	6.8	3.7	5.7	10.6	2.6	7.7	7.4	4.4	5.9	---	---	---
13	6.1	2.8	5.0	12.6	7.0	10.2	6.8	5.6	6.3	---	---	---
14	6.0	5.1	5.5	11.7	4.0	8.5	6.2	3.2	5.0	---	---	---
15	6.2	5.0	5.6	10.3	4.3	7.6	5.2	3.6	4.5	---	---	---
16	6.8	5.5	6.0	6.9	0.2	3.7	4.8	4.3	4.6	---	---	---
17	6.8	5.8	6.2	6.9	0.3	3.3	5.0	3.8	4.3	---	---	---
18	6.6	6.0	6.3	7.1	4.3	6.2	4.9	3.8	4.4	---	---	---
19	9.3	0.6	7.2	10.4	1.9	6.5	4.6	3.9	4.3	---	---	---
20	7.6	0.7	5.7	8.3	1.6	5.0	5.2	3.8	4.5	---	---	---
21	8.0	3.5	6.2	7.6	0.2	5.5	5.3	4.6	4.9	---	---	---
22	7.2	3.8	5.6	8.9	0.6	4.4	4.9	4.2	4.7	---	---	---
23	8.9	5.7	7.0	9.1	5.1	7.7	4.5	4.0	4.3	5.2	4.1	4.7
24	8.9	3.5	7.0	11.1	5.9	8.0	4.8	3.9	4.3	6.4	4.9	5.7
25	7.3	1.5	4.9	7.7	0.0	4.8	5.0	4.1	4.5	6.4	5.9	6.1
26	7.3	3.5	5.7	8.8	0.0	5.3	4.9	4.0	4.3	6.3	5.8	6.1
27	6.6	2.4	5.0	8.5	5.8	7.6	5.3	3.8	4.6	6.7	6.0	6.3
28	5.8	2.1	4.3	8.6	4.4	6.7	5.3	4.0	4.7	7.0	6.1	6.4
29	5.1	1.5	3.6	7.9	3.0	5.7	5.7	3.8	4.7	7.8	6.2	7.1
30	5.2	2.4	4.4	10.4	6.5	8.3	6.5	5.4	5.9	7.3	6.0	6.7
31	---	---	---	9.4	6.7	8.4	5.9	5.0	5.5	---	---	---
MONTH	9.3	0.1	5.3	12.6	0.0	5.6	8.1	1.3	4.9	---	---	---

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	2.2	0.0	0.2	---	---	---	9.1	7.3	8.2	9.6	3.3	6.9
2	4.8	0.0	2.5	---	---	---	9.2	7.5	8.6	9.5	3.7	6.4
3	5.7	4.1	5.2	---	---	---	9.6	8.5	9.2	9.7	6.0	9.4
4	4.8	4.1	4.6	---	---	---	10.0	8.9	9.3	9.9	9.1	9.6
5	4.8	4.1	4.6	5.4	5.0	5.2	9.9	9.3	9.5	9.8	9.5	9.7
6	5.1	4.3	4.6	5.3	4.8	5.1	10.0	9.2	9.7	9.7	6.7	9.0
7	6.1	3.6	5.0	5.9	4.8	5.4	10.4	9.8	10.1	9.2	6.1	7.9
8	6.3	2.6	4.5	6.6	5.3	5.9	10.3	9.0	9.9	8.3	5.3	6.8
9	6.7	4.0	5.9	7.6	6.3	7.0	9.7	8.1	9.1	7.3	4.7	6.1
10	6.9	6.4	6.7	7.2	4.8	5.7	10.0	8.0	9.1	10.2	6.2	8.7
11	7.1	6.8	6.9	5.0	4.5	4.7	10.5	9.3	10.1	10.4	8.6	9.7
12	7.0	6.1	6.6	6.7	4.5	5.5	10.5	9.5	10.1	10.6	8.8	9.7
13	6.6	3.7	5.8	8.0	6.5	7.3	10.1	9.2	9.6	10.4	8.6	9.6
14	6.3	5.1	5.8	8.7	7.9	8.4	10.2	8.9	9.3	11.1	8.4	9.8
15	6.8	5.8	6.3	8.6	8.1	8.5	9.6	9.1	9.5	11.2	9.2	10.4
16	6.8	6.2	6.5	8.3	7.1	7.7	9.4	9.0	9.1	11.5	10.6	11.1
17	---	---	---	7.2	6.7	7.0	9.5	9.0	9.2	11.3	10.1	10.7
18	---	---	---	7.2	4.8	6.1	9.4	8.8	9.0	11.5	9.8	10.8
19	---	---	---	7.5	5.8	7.0	9.4	8.9	9.1	11.5	10.7	11.2
20	---	---	---	7.6	6.7	7.4	9.8	9.2	9.5	11.8	11.0	11.4
21	---	---	---	7.7	7.3	7.5	9.9	9.6	9.8	11.8	9.9	10.9
22	---	---	---	7.4	6.4	6.8	10.0	9.8	9.9	11.0	9.2	10.2
23	---	---	---	6.5	6.0	6.2	10.2	10.0	10.1	11.5	9.2	10.6
24	---	---	---	6.8	6.1	6.4	10.2	9.7	10.0	11.6	10.5	11.1
25	---	---	---	7.8	6.7	7.3	10.1	9.8	10	12.3	11.2	11.8
26	---	---	---	7.8	6.9	7.5	10.0	9.7	9.8	12.4	12.0	12.2
27	---	---	---	7.0	6.4	6.7	10.0	9.5	9.9	12.4	11.6	12.1
28	---	---	---	8.0	6.5	7.0	9.9	3.2	6.6	12.4	11.4	12.0
29	---	---	---	9.1	7.9	8.6	9.8	3.5	7.8	12.5	11.6	12.1
30	---	---	---	9.2	8.6	9.0	10.2	5.6	9.6	12.3	11.0	11.8
31	---	---	---	---	---	---	9.7	3.8	5.6	12.2	11.3	11.9
MONTH	---	---	---	---	---	---	10.5	3.2	9.2	12.5	3.3	10.1
		FEBRUARY			MARCH			APRIL			MAY	
1	12.5	11.1	11.7	9.8	9.4	9.6	7.8	7.2	7.6	7.5	6.1	6.5
2	11.6	10.2	10.9	9.7	9.3	9.5	8.3	7.7	8.0	6.9	6.3	6.6
3	12.1	9.2	10.8	9.4	8.9	9.1	8.6	8.1	8.3	6.9	6.4	6.6
4	12.0	9.3	11.0	9.3	8.6	8.8	8.7	8.0	8.4	6.9	5.9	6.6
5	12.4	9.9	11.5	8.6	8.0	8.3	9.0	8.1	8.6	6.0	5.1	5.5
6	12.3	11.4	12.0	8.1	7.7	7.9	9.3	8.7	9.0	5.4	4.3	4.9
7	11.6	10.9	11.3	7.8	7.3	7.6	9.2	8.4	8.8	4.8	4.3	4.6
8	11.3	10.7	11.0	7.6	6.3	7.2	8.8	8.1	8.4	5.2	4.4	4.8
9	11.6	10.8	11.2	7.7	7.1	7.5	9.3	8.2	8.6	5.0	4.0	4.4
10	11.3	10.8	11.1	8.3	7.3	8.0	9.5	5.2	8.5	4.9	4.3	4.5
11	11.1	10.6	10.8	8.7	8.2	8.5	8.7	4.1	7.4	4.7	4.2	4.4
12	11.0	10.1	10.6	8.6	8.0	8.2	8.6	7.5	8.1	4.7	3.9	4.3
13	10.7	10.1	10.4	8.6	8.1	8.4	7.9	7.0	7.6	---	---	---
14	10.5	9.7	10	8.5	7.9	8.2	7.2	6.6	7.0	---	---	---
15	10.0	8.2	9.6	8.0	7.6	7.8	8.2	7.2	7.7	---	---	---
16	10.7	9.4	10.3	7.9	7.5	7.7	8.3	6.5	7.4	---	---	---
17	10.5	9.9	10.2	8.0	7.6	7.8	7.4	6.7	7.0	---	---	---
18	10.9	9.8	10.3	7.8	7.4	7.6	7.6	7.1	7.4	---	---	---
19	10.7	10.1	10.4	8.1	7.6	7.8	7.8	7.5	7.6	---	---	---
20	10.3	9.4	9.9	8.2	7.6	8.0	7.8	7.0	7.5	---	---	---
21	9.6	9.3	9.4	8.3	7.8	8.0	7.7	7.0	7.3	6.2	0.2	2.6
22	9.6	8.8	9.2	8.7	8.0	8.3	7.7	6.6	7.2	5.3	0.0	0.9
23	9.4	8.7	9.0	8.7	7.8	8.2	7.0	6.2	6.6	8.0	0.1	4.8
24	9.2	8.8	9.0	8.3	7.8	8.0	7.8	6.2	6.8	7.4	3.7	6.0
25	9.3	8.8	9.1	8.4	7.7	8.0	7.0	6.4	6.6	7.1	3.9	6.0
26	9.7	9.1	9.3	8.2	7.6	7.9	6.9	6.2	6.5	6.6	0.7	3.3
27	10.0	9.4	9.7	8.1	7.4	7.8	7.3	6.4	6.8	1.9	0.0	0.7
28	9.4	8.9	9.1	8.0	7.2	7.7	7.3	6.5	6.9	0.7	0.0	0.3
29	9.6	8.9	9.3	8.3	7.8	8.0	7.7	6.2	6.6	2.1	0.0	0.2
30	---	---	---	8.2	7.6	7.9	8.0	6.2	6.6	6.0	0.0	2.4
31	---	---	---	8.7	7.2	7.6	---	---	---	4.6	0.9	3.0
MONTH	12.5	8.2	10.3	9.8	6.3	8.1	9.5	4.1	7.6	---	---	---

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	4.2	0.0	1.3	2.1	0.0	0.5	8.8	0.9	6.0	---	---	---
2	3.7	0.0	0.3	2.2	0.0	0.4	7.4	1.9	4.0	---	---	---
3	2.8	0.0	0.3	0.4	0.0	0.1	6.5	2.4	5.4	---	---	---
4	8.3	0.0	2.6	1.2	0.0	0.1	4.7	0.8	2.5	---	---	---
5	5.8	2.5	4.2	3.5	0.0	0.9	2.6	0.4	0.8	---	---	---
6	3.1	1.2	1.9	0.1	0.0	0.0	4.8	0.4	1.9	---	---	---
7	2.3	0.1	0.8	0.5	0.0	0.1	2.3	0.6	1.2	---	---	---
8	0.5	0.0	0.1	2.6	0.0	0.4	0.8	0.6	0.6	---	---	---
9	1.3	0.0	0.3	0.7	0.0	0.1	0.8	0.6	0.7	---	---	---
10	3.8	0.0	0.6	0.2	0.1	0.1	1.6	0.6	0.7	---	---	---
11	4.8	0.0	0.5	0.1	0.1	0.1	3.8	0.6	1.0	---	---	---
12	3.5	0.0	1.0	2.0	0.1	0.4	5.7	0.2	1.8	---	---	---
13	4.6	0.0	1.4	2.1	0.1	0.3	7.0	0.5	4.7	---	---	---
14	6.2	1.5	4.0	0.4	0.0	0.1	6.2	0.8	4.0	---	---	---
15	5.7	4.4	5.2	0.2	0.0	0.0	5.0	2.6	3.8	---	---	---
16	6.8	5.3	6.0	0.0	0.0	0.0	5.0	2.2	3.9	---	---	---
17	6.7	5.9	6.2	0.1	0.0	0.0	4.6	0.1	3.1	---	---	---
18	7.5	5.6	6.4	1.5	0.0	0.1	4.7	3.7	4.1	---	---	---
19	7.3	0.1	2.5	0.1	0.0	0.0	4.3	3.5	3.9	---	---	---
20	0.3	0.1	0.1	0.3	0.0	0.0	4.8	3.5	4.1	---	---	---
21	1.2	0.1	0.2	2.5	0.0	0.2	5.0	4.4	4.6	---	---	---
22	5.9	0.1	2.0	0.6	0.1	0.1	4.8	4.1	4.5	---	---	---
23	6.4	0.2	2.6	6.6	0.1	0.7	4.2	0.0	2.2	5.1	3.8	4.4
24	1.4	0.0	0.2	4.3	0.1	0.9	0.2	0.0	0.0	6.1	4.1	5.4
25	3.5	0.0	0.6	0.1	0.1	0.1	4.2	0.0	1.9	6.2	4.0	5.5
26	5.2	0.8	2.7	0.1	0.1	0.1	4.2	3.0	3.8	6.2	5.6	5.9
27	2.9	0.0	0.9	5.1	0.1	1.2	5.1	3.7	4.5	6.4	5.5	6.0
28	1.9	0.0	0.4	7.0	0.1	3.4	5.0	3.6	4.2	7.1	5.8	6.4
29	1.8	0.1	0.7	7.2	0.8	3.7	5.3	3.5	4.3	7.3	6.2	6.8
30	1.4	0.0	0.3	6.3	0.3	2.3	6.0	5.0	5.4	6.6	5.5	6.2
31	---	---	---	9.2	0.2	3.3	5.1	4.4	4.8	---	---	---
MONTH	8.3	0.0	1.9	9.2	0.0	0.6	8.8	0.0	3.2	---	---	---

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	48	33	41	60	56	58	89	80	85	88	83	86
2	57	43	48	65	58	60	89	84	87	88	84	86
3	62	53	57	66	59	62	88	85	87	90	85	87
4	56	48	52	62	54	58	92	82	85	93	87	90
5	59	48	53	61	53	56	92	88	89	95	89	92
6	57	48	53	57	50	55	92	88	90	95	84	91
7	68	54	62	63	54	58	93	90	91	87	81	84
8	68	58	64	69	55	63	92	86	90	87	81	84
9	74	62	68	77	64	71	88	85	86	84	67	81
10	79	72	76	72	48	57	92	85	87	88	80	83
11	80	73	77	50	44	47	97	88	94	86	80	83
12	76	72	75	67	48	56	97	87	94	90	80	85
13	77	66	73	80	64	72	91	83	87	90	85	87
14	72	63	67	84	77	80	92	80	85	92	85	89
15	74	64	69	83	77	80	86	82	84	92	87	90
16	75	68	71	80	69	73	84	77	80	94	89	91
17	69	55	62	71	67	70	83	77	81	95	88	92
18	71	59	65	79	69	73	83	76	79	96	89	93
19	76	66	69	84	73	79	82	76	79	96	91	94
20	73	63	68	85	77	83	85	77	80	96	91	93
21	76	64	70	89	78	82	83	80	81	95	90	93
22	83	70	77	78	70	74	85	80	83	95	89	92
23	82	72	78	72	65	69	88	82	85	94	89	92
24	85	77	81	76	67	70	89	85	87	95	90	92
25	85	78	82	83	74	80	89	84	86	96	91	94
26	82	74	77	83	72	78	87	82	84	96	93	95
27	79	75	77	73	68	70	86	82	84	96	91	94
28	80	75	77	85	68	75	88	82	85	97	89	93
29	81	76	78	90	83	87	88	83	86	96	90	94
30	77	63	70	90	86	88	92	85	88	97	91	94
31	65	57	60	---	---	---	90	84	87	93	87	90
MONTH	85	33	68	90	44	69	97	76	86	97	67	90
		FEBRUARY			MARCH			APRIL			MAY	
1	93	90	92	95	86	90	---	---	---	90	74	78
2	95	90	92	98	89	93	---	---	---	82	72	79
3	95	91	93	98	91	94	---	---	---	80	75	78
4	96	92	94	97	89	94	---	---	---	82	68	76
5	95	92	94	96	88	92	---	---	---	69	58	63
6	97	93	95	94	86	90	---	---	---	63	53	58
7	97	93	95	94	86	89	---	---	---	60	53	56
8	94	89	91	87	74	81	---	---	---	66	56	61
9	93	88	91	86	80	82	---	---	---	63	51	56
10	93	90	92	85	80	83	---	---	---	62	54	57
11	93	89	91	87	81	84	---	---	---	60	53	56
12	91	84	89	85	79	82	---	---	---	60	50	54
13	90	86	88	88	81	84	---	---	---	60	49	54
14	89	84	86	84	79	83	---	---	---	57	48	52
15	86	83	84	83	78	80	---	---	---	60	49	54
16	89	83	86	81	78	80	---	---	---	65	52	56
17	86	83	84	80	76	78	---	---	---	72	51	59
18	90	84	86	77	73	75	---	---	---	78	57	63
19	91	84	88	80	74	76	---	---	---	84	58	68
20	95	85	89	83	76	78	---	---	---	94	63	76
21	96	89	93	81	75	78	---	---	---	91	75	84
22	98	88	93	81	77	79	---	---	---	108	80	90
23	95	86	91	80	75	77	86	76	81	110	86	94
24	92	88	89	79	74	77	93	75	82	105	84	93
25	92	87	89	80	75	77	83	76	79	120	82	96
26	91	87	89	---	---	---	82	74	78	131	85	103
27	91	86	89	---	---	---	89	78	82	115	35	95
28	86	80	83	---	---	---	100	78	85	91	35	76
29	91	81	86	---	---	---	91	73	79	86	1	56
30	---	---	---	---	---	---	97	70	79	88	48	81
31	---	---	---	---	---	---	---	---	---	78	58	68
MONTH	98	80	90	---	---	---	---	---	---	131	1	71

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	100	62	76	63	25	51	106	91	97	72	57	66
2	97	1	54	58	41	51	106	71	92	81	67	73
3	94	4	62	54	37	47	95	70	83	77	62	69
4	103	42	81	55	40	47	90	41	61	68	57	62
5	87	54	69	59	46	51	79	25	50	69	62	65
6	73	14	40	52	1	27	86	42	70	70	56	63
7	81	37	58	51	1	17	78	30	53	59	51	55
8	67	18	40	53	27	44	57	17	33	70	51	59
9	63	18	40	107	34	65	66	27	44	72	57	64
10	97	33	62	103	49	75	91	27	61	---	---	---
11	91	57	75	116	14	66	96	33	65	---	---	---
12	85	46	71	141	34	101	94	55	74	---	---	---
13	75	35	62	170	93	135	84	70	78	---	---	---
14	74	62	67	157	53	113	77	39	62	---	---	---
15	78	60	69	139	57	101	63	44	54	---	---	---
16	85	68	74	92	3	49	58	51	55	---	---	---
17	86	72	77	90	4	43	61	45	52	---	---	---
18	84	75	79	92	57	81	59	45	52	---	---	---
19	125	8	94	140	25	86	56	47	51	---	---	---
20	100	9	73	107	21	64	65	46	56	---	---	---
21	104	44	78	101	3	71	66	56	61	---	---	---
22	93	48	72	118	8	58	61	52	58	---	---	---
23	118	73	91	120	67	101	56	49	52	62	47	54
24	117	45	90	148	76	104	60	47	52	75	58	67
25	96	19	63	101	0	62	62	50	55	75	68	72
26	95	45	73	116	0	69	60	49	53	74	67	71
27	84	31	64	113	77	101	66	46	57	80	70	74
28	75	27	55	115	58	88	66	49	58	83	72	76
29	66	19	45	102	39	74	72	48	59	97	73	85
30	68	31	56	136	84	107	81	67	73	88	71	80
31	---	---	---	124	87	110	75	62	68	---	---	---
MONTH	125	1	67	170	0	73	106	17	61	---	---	---

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	25	0	3	---	---	---	82	69	76	81	29	59
2	54	0	29	---	---	---	83	71	79	80	32	54
3	61	46	57	---	---	---	83	77	81	83	51	80
4	53	45	50	---	---	---	86	77	80	89	80	84
5	53	45	50	57	53	56	85	80	82	91	85	88
6	56	47	50	57	52	54	86	80	83	92	62	84
7	68	40	55	64	52	59	88	84	85	80	54	70
8	70	29	49	70	57	64	86	78	84	73	47	61
9	75	44	65	78	64	72	83	68	78	64	42	54
10	77	71	74	72	48	58	87	69	78	83	54	73
11	79	75	76	50	44	47	91	82	88	82	71	78
12	77	68	73	68	45	56	90	82	88	86	72	78
13	75	41	64	81	67	74	87	79	82	85	71	79
14	72	57	65	84	79	81	88	77	81	90	69	80
15	75	64	70	82	77	80	82	78	80	91	76	85
16	73	68	70	79	69	73	80	76	77	92	86	89
17	---	---	---	70	65	68	81	76	78	90	82	87
18	---	---	---	71	47	60	80	74	76	95	79	88
19	---	---	---	76	57	70	78	74	76	95	89	93
20	---	---	---	76	66	74	80	76	77	94	90	92
21	---	---	---	76	71	74	79	77	78	92	80	88
22	---	---	---	73	63	67	81	78	80	88	75	83
23	---	---	---	64	59	61	83	80	81	93	76	86
24	---	---	---	68	60	63	85	82	84	93	85	89
25	---	---	---	76	67	72	85	81	83	97	90	93
26	---	---	---	76	67	72	83	80	81	96	93	94
27	---	---	---	68	61	64	83	79	81	95	90	93
28	---	---	---	78	62	68	82	27	55	95	88	92
29	---	---	---	84	76	80	81	29	64	95	89	92
30	---	---	---	84	80	82	88	48	81	94	85	91
31	---	---	---	---	---	---	82	33	48	94	87	91
MONTH	---	---	---	---	---	---	91	27	78	97	29	82
		FEBRUARY			MARCH			APRIL			MAY	
1	94	85	89	86	78	81	78	72	76	86	70	75
2	88	79	83	89	80	84	81	75	78	80	71	76
3	95	72	84	89	80	83	84	78	81	78	73	76
4	97	74	88	87	80	84	86	79	82	77	65	73
5	100	78	92	87	78	82	87	79	83	67	55	60
6	101	95	99	84	77	80	90	84	86	59	46	53
7	101	97	99	82	75	78	90	82	85	53	47	50
8	99	93	95	77	63	72	91	80	85	61	49	55
9	98	92	94	76	69	74	99	85	90	57	46	51
10	96	92	94	79	72	77	101	55	90	58	49	52
11	95	90	93	82	76	79	92	43	78	55	48	51
12	94	86	90	80	74	77	92	79	86	56	45	50
13	92	85	89	81	77	79	85	74	81	---	---	---
14	91	83	86	80	74	78	76	69	74	---	---	---
15	86	70	83	77	72	74	85	74	80	---	---	---
16	89	80	86	76	72	75	85	69	76	---	---	---
17	85	80	83	76	73	75	79	69	73	---	---	---
18	88	81	84	74	69	72	83	74	79	---	---	---
19	88	80	84	78	72	74	87	80	83	---	---	---
20	85	79	82	80	74	76	86	77	82	---	---	---
21	84	78	81	81	74	77	86	78	82	78	2	32
22	85	75	79	82	76	79	87	75	82	67	0	11
23	83	75	79	81	74	77	82	70	76	103	1	60
24	81	76	78	80	73	76	91	71	79	95	46	76
25	81	76	79	79	75	77	81	74	76	90	49	75
26	81	77	79	81	73	76	80	71	75	84	9	42
27	82	77	81	83	74	78	84	74	78	23	0	9
28	77	72	74	83	73	78	82	73	77	9	0	4
29	82	73	77	84	78	81	88	69	74	26	0	2
30	---	---	---	82	76	78	92	70	75	74	0	30
31	---	---	---	89	72	77	---	---	---	56	11	37
MONTH	101	70	86	89	63	78	101	43	80	---	---	---

02092162 NEUSE RIVER AT NEW BERN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	52	0	16	27	0	6	117	12	78	---	---	---
2	46	0	4	28	0	5	97	25	53	---	---	---
3	35	0	4	5	0	0	85	31	70	---	---	---
4	106	0	32	15	0	2	61	10	32	---	---	---
5	74	31	53	44	0	11	34	5	10	---	---	---
6	39	15	24	1	0	0	62	5	25	---	---	---
7	29	1	10	6	0	1	30	8	15	---	---	---
8	6	0	0	34	0	5	10	8	8	---	---	---
9	16	0	4	9	0	2	10	8	9	---	---	---
10	48	0	8	3	1	1	20	8	9	---	---	---
11	61	0	7	1	1	1	48	8	13	---	---	---
12	44	0	12	26	1	4	72	3	22	---	---	---
13	58	0	17	28	1	4	88	6	59	---	---	---
14	76	19	49	5	0	0	77	10	49	---	---	---
15	69	53	64	3	0	0	60	32	46	---	---	---
16	85	65	74	0	0	0	60	27	47	---	---	---
17	83	73	77	1	0	0	55	1	37	---	---	---
18	95	70	80	19	0	0	57	44	49	---	---	---
19	92	1	31	1	0	0	52	42	47	---	---	---
20	4	1	1	4	0	0	59	42	50	---	---	---
21	15	1	2	32	0	2	63	54	57	---	---	---
22	76	1	26	8	1	1	59	50	55	---	---	---
23	82	3	34	86	1	9	52	0	26	60	44	51
24	18	0	2	56	1	11	2	0	0	71	48	63
25	45	0	8	1	1	1	52	0	23	73	47	65
26	67	10	35	1	1	1	52	37	47	73	65	69
27	37	0	11	68	1	16	63	45	55	75	64	70
28	24	0	5	93	1	45	62	44	52	84	68	75
29	23	1	8	93	10	48	67	43	54	86	73	80
30	18	0	4	82	4	30	74	62	67	79	65	73
31	---	---	---	121	3	43	63	54	59	---	---	---
MONTH	106	0	23	121	0	8	117	0	39	---	---	---

02092500 TRENT RIVER NEAR TRENTON, NC

LOCATION.--Lat 35°03'51", long 77°27'41", Jones County, Hydrologic Unit 03020204, on left bank 50 ft downstream of Free Bridge on Secondary Road 1129, 800 ft downstream of Little Chinquapin Branch, 1.5 mi southwest of Phillips Crossroads, and 6 mi west of Trenton.

DRAINAGE AREA.--168 mi^2.

PERIOD OF RECORD.--January 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 19.15 ft above NGVD of 1929. Prior to Mar. 21, 1951, nonrecording gage on bridge 50 ft upstream at same datum. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Maximum discharge for period of record from rating curve extended above 4,000 ft^3/s on basis of one section slope-conveyance measurement of peak flow; maximum gage height, 22.33 ft, from high-water mark in gage house. Minimum discharge for period of record also occurred Oct. 24, 25, 26, 1974. Minimum discharge for current water year also occurred May 30.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1928 reached a stage of 17.3 ft; discharge, 7,600 ft^3/s, from information provided by North Carolina State Highway Commission.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	1,980	102	184	139	684	64	81	21	190	48	267
2	92	1,380	91	162	127	590	71	252	22	170	53	371
3	82	949	83	148	116	469	69	579	22	177	182	398
4	75	684	79	137	113	362	64	1,050	21	281	246	351
5	66	540	109	128	113	275	58	1,420	23	370	253	274
6	57	414	174	121	111	217	53	1,480	56	436	434	203
7	48	359	217	116	120	181	49	1,080	87	442	547	183
8	44	381	221	109	129	157	45	767	101	388	541	193
9	232	396	207	103	122	139	43	537	100	316	449	201
10	439	382	191	103	109	126	41	352	111	210	299	213
11	557	349	403	103	99	114	64	208	153	145	176	226
12	636	300	520	100	103	102	340	143	197	115	118	230
13	605	249	695	98	165	92	471	108	240	88	354	212
14	531	202	919	96	239	83	573	87	264	67	821	173
15	479	165	1,090	93	303	76	591	71	255	52	1,790	187
16	408	139	1,220	89	378	81	534	61	211	42	2,680	200
17	333	121	1,210	84	458	116	438	53	149	35	3,160	156
18	267	107	1,030	83	571	140	327	47	123	32	2,370	154
19	211	106	824	83	613	137	220	42	164	30	1,440	179
20	168	176	653	82	580	123	156	38	205	28	967	183
21	140	250	521	79	499	108	122	35	236	24	697	166
22	118	279	424	75	407	97	98	32	233	20	508	142
23	101	270	350	72	317	91	82	29	182	32	352	116
24	86	244	324	69	249	83	69	27	185	94	251	96
25	76	212	341	67	217	72	59	25	200	112	183	79
26	69	180	353	70	214	64	52	23	197	107	145	65
27	65	153	349	85	365	59	60	21	173	85	133	60
28	72	135	320	113	503	58	82	20	148	89	125	63
29	862	120	280	137	666	56	85	18	160	90	121	73
30	1,580	110	241	147	---	55	76	19	187	72	174	98
31	2,210	---	210	147	---	56	---	20	---	57	211	---
TOTAL	10,811	11,332	13,751	3,283	8,145	5,063	5,056	8,725	4,426	4,396	19,828	5,512
MEAN	349	378	444	106	281	163	169	281	148	142	640	184
MAX	2,210	1,980	1,220	184	666	684	591	1,480	264	442	3,160	398
MIN	44	106	79	67	99	55	41	18	21	20	48	60
CFSM	2.08	2.25	2.64	0.63	1.67	0.97	1.00	1.68	0.88	0.84	3.81	1.09
IN.	2.39	2.51	3.04	0.73	1.80	1.12	1.12	1.93	0.98	0.97	4.39	1.22

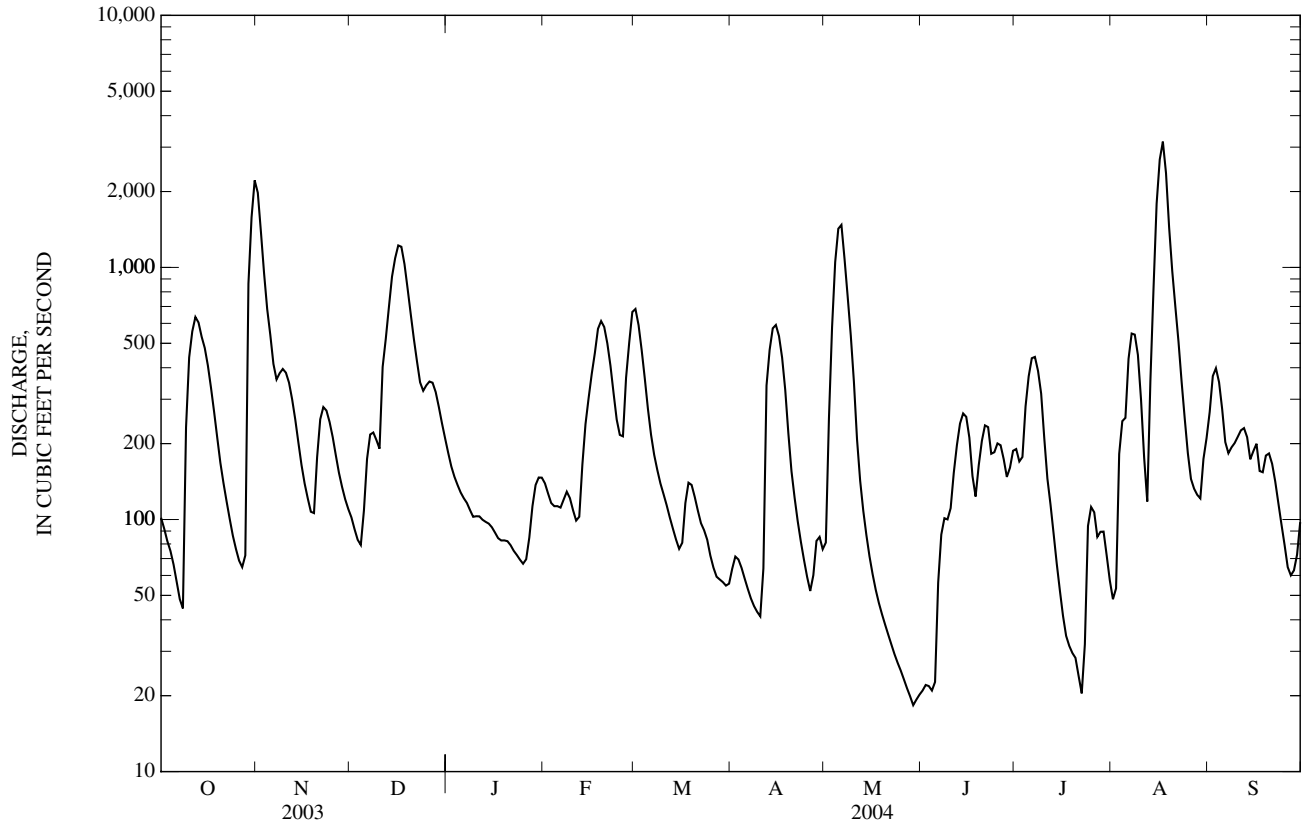
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2004, BY WATER YEAR (WY)

MEAN	111	91.7	165	290	325	342	215	120	127	159	178	172
MAX	864	378	551	703	1,024	963	684	435	768	1,381	1,587	2,121
(WY)	(1972)	(2004)	(1958)	(1978)	(1998)	(1983)	(1973)	(1978)	(1961)	(1962)	(1955)	(1999)
MIN	1.58	1.80	6.65	17.2	31.8	36.5	23.1	10.2	2.77	4.78	1.81	2.55
(WY)	(1955)	(1955)	(1955)	(1955)	(1955)	(1955)	(1955)	(1985)	(1985)	(1993)	(1993)	(1995)

02092500 TRENT RIVER NEAR TRENTON, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1951 - 2004	
ANNUAL TOTAL	133,417		100,328			
ANNUAL MEAN	366		274		192	
HIGHEST ANNUAL MEAN					316	1960
LOWEST ANNUAL MEAN					74.2	2002
HIGHEST DAILY MEAN	2,930	Jul 16	3,160	Aug 17	12,000	Sep 17, 1999
LOWEST DAILY MEAN	20	Sep 17	18	May 29	0.33	Oct 7, 1993
ANNUAL SEVEN-DAY MINIMUM	26	Sep 12	20	May 27	0.39	Oct 22, 1973
MAXIMUM PEAK FLOW			3,280	Aug 17	15000*	Sep 17, 1999
MAXIMUM PEAK STAGE			15.12	Aug 17	22.33*	Sep 17, 1999
INSTANTANEOUS LOW FLOW			17*	May 29	0.30*	Oct 23, 1974
ANNUAL RUNOFF (CFSM)	2.18		1.63		1.15	
ANNUAL RUNOFF (INCHES)	29.54		22.22		15.57	
10 PERCENT EXCEEDS	911		579		477	
50 PERCENT EXCEEDS	207		148		81	
90 PERCENT EXCEEDS	52		53		8.0	

* See REMARKS.



02092554 TRENT RIVER AT POLLOCKSVILLE, NC

LOCATION.--Lat 35°00'36", long 77°13'08", Jones County, Hydrologic Unit 03020204, at downstream side of bridge on U.S. Highway 17, 0.5 mi downstream from Goshen Branch, and 0.2 mi northeast of Pollocksville.

DRAINAGE AREA.--370 mi^2.

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

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is at NGVD of 1929. Prior to Oct. 1999 datum reported as 10 ft below NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records fair except those for negative daily discharges, which are poor. This site is strongly affected by both astronomical and wind tides. The astronomical tides occur at primary harmonic periods of 12.42 hours and 24.8 hours. 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, 18,600 ft^3/s, Sept. 19, 1999, maximum gage height, 16.29 ft, Sept. 19, 1999, from flood mark; minimum discharge, -3,560 ft^3/s, Sept. 6, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,050 ft^3/s, Aug. 19, maximum gage height, 3.95 ft, Feb. 27; minimum discharge, -818 ft^3/s, Aug. 3.

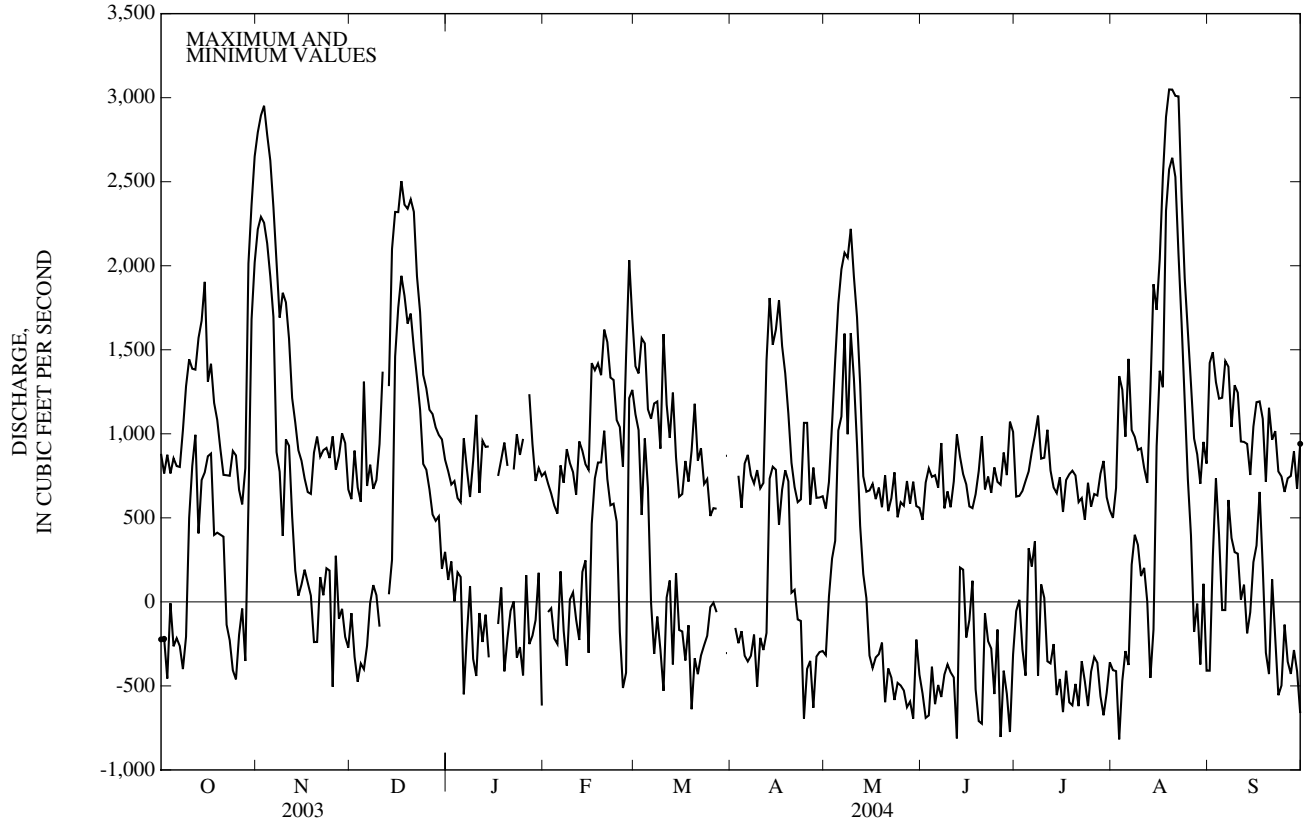
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	881	-223	2,790	2,220	611	-67	777	131	771	---	1,400	1,120
2	764	-220	2,890	2,290	900	-327	698	240	704	-61	1,360	1,020
3	876	-456	2,950	2,260	681	-475	719	2.8	644	-38	1,570	517
4	764	-8.1	2,780	2,130	595	-367	618	175	573	-218	1,540	972
5	854	-264	2,630	1,940	1,310	-401	592	148	525	-251	1,150	679
6	808	-216	2,350	1,700	690	-261	973	-550	812	181	1,090	-5.3
7	803	-263	2,020	891	816	-5.3	788	-191	708	-171	1,180	-310
8	1,020	-400	1,690	774	673	100	624	92	909	-379	1,190	-88
9	1,280	-208	1,840	392	725	40	839	-339	826	14	912	-284
10	1,440	500	1,780	967	939	-147	1,110	-441	772	57	1,590	-529
11	1,390	810	1,570	929	1,370	---	648	-66	638	-106	1,170	26
12	1,380	994	1,210	509	---	---	959	-239	955	-227	976	127
13	1,570	407	1,070	186	1,280	45	922	-76	899	178	1,250	-372
14	1,670	725	902	37	2,100	250	925	-330	819	247	861	171
15	1,900	771	840	103	2,320	1,460	---	---	785	-303	626	-167
16	1,310	866	734	191	2,320	1,750	---	---	1,420	465	642	-176
17	1,420	883	654	114	2,500	1,940	749	-132	1,380	735	838	-349
18	1,180	398	642	37	2,360	1,820	847	85	1,420	829	715	-139
19	1,080	412	888	-239	2,340	1,660	948	-413	1,350	830	901	-639
20	911	400	983	-239	2,390	1,720	809	-215	1,620	1,020	1,180	-336
21	756	388	864	148	2,320	1,510	---	-53	1,550	731	840	-430
22	753	-136	903	39	1,940	1,330	787	2.8	1,330	575	915	-319
23	750	-229	916	200	1,720	1,140	997	-332	1,320	584	701	-259
24	898	-407	856	186	1,350	821	875	-269	1,080	477	731	-202
25	871	-461	985	-505	1,270	786	970	-437	1,040	-179	511	-31
26	667	-196	787	274	1,140	670	---	159	805	-512	558	-5.2
27	580	-40	868	-100	1,120	520	1,240	-251	1,460	-422	554	-62
28	795	-352	1,000	-42	1,040	482	939	-201	2,030	1,210	---	---
29	2,010	580	945	-209	993	509	720	-109	1,680	1,260	---	---
30	2,360	1,680	669	-272	967	196	796	173	---	---	869	-305
31	2,650	2,020	---	---	846	298	749	-617	---	---	---	---
MONTH	2,650	-461	2,950	-505	---	---	---	---	2,030	---	---	---

02092554 TRENT RIVER AT POLLOCKSVILLE, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	555	-317	488	-546	626	-55	500	-406	1,420	-409
2	---	-155	714	32	710	-690	630	12	678	-412	1,490	266
3	750	-246	1,060	258	795	-675	660	-283	1,340	-818	1,310	734
4	560	-174	1,440	363	744	-386	719	-439	1,260	-469	1,210	398
5	824	-320	1,770	1,020	754	-609	776	319	983	-293	1,210	-49
6	875	-355	1,980	1,100	679	-494	893	210	1,450	-375	1,430	-49
7	753	-321	2,080	1,600	945	-566	991	360	1,020	221	1,400	606
8	704	-195	2,050	998	556	-432	1,110	-439	982	399	1,040	380
9	784	-504	2,220	1,600	657	-372	852	104	904	339	1,290	296
10	675	-214	1,940	1,330	563	-419	858	24	914	154	1,240	287
11	708	-287	1,690	936	716	-450	1,020	-354	797	202	954	14
12	1,440	-185	1,300	453	996	-812	782	-366	708	1.4	952	102
13	1,810	733	748	165	863	204	680	-251	1,250	-452	940	-187
14	1,530	804	655	23	760	192	647	-555	1,890	-164	755	-62
15	1,620	786	663	-320	699	-212	742	-459	1,740	926	1,040	236
16	1,790	458	702	-394	568	-108	535	-656	2,040	1,370	1,190	335
17	1,520	668	611	-331	558	126	725	-410	2,530	1,280	1,190	654
18	1,360	783	680	-311	641	-520	759	-598	2,890	2,330	1,090	205
19	1,120	717	563	-243	778	-709	781	-616	3,050	2,570	714	-303
20	828	54	752	-597	985	-725	752	-488	3,050	2,640	1,150	-430
21	683	72	540	-396	669	-68	594	-621	3,010	2,530	965	134
22	593	-105	617	-451	746	-234	617	-353	3,010	2,070	1,020	-215
23	610	-114	771	-584	649	-278	488	-474	2,410	1,660	776	-555
24	1,070	-694	503	-482	800	-549	709	-620	1,920	1,200	746	-498
25	1,070	-399	593	-498	714	-165	566	-415	1,610	730	654	-135
26	579	-351	572	-528	697	-804	642	-328	1,300	395	735	-356
27	799	-630	719	-627	888	-410	633	-362	972	-179	749	-429
28	619	-325	584	-593	754	-547	762	-561	878	-11	895	-287
29	621	-299	715	-694	1,070	-774	838	-675	703	-373	673	-412
30	629	-292	570	-225	1,010	-313	622	-540	952	107	941	-662
31	---	---	560	-433	---	---	545	-360	823	-409	---	---
MONTH	---	---	2,220	-694	1,070	-812	1,110	-675	3,050	-818	1,490	-662



0209262905 NEUSE RIVER AT CHANNEL LIGHT 11

LOCATION.--Lat. 34°59'57", long. 76°56'35", Craven County, Hydrologic Unit 03020204, at U.S. Coast Guard Channel Light 11.

PERIOD OF RECORD.--Water years 1989 to 1993, 1996 to current year.

PERIOD OF DAILY RECORD.--
SALINITY (TOP AND BOTTOM): May to December 1989, January 1991 to July 1993, June 1996 to current year.
pH (TOP AND BOTTOM): June 1996 to current year.
WATER TEMPERATURE (TOP): May to December 1989, January 1991 to July 1993, June 1996 to current year.
WATER TEMPERATURE (BOTTOM): June 1996 to current year.
DISSOLVED OXYGEN (TOP AND BOTTOM): May to December 1989, January 1991 to July 1993, June 1996 to current year.
DISSOLVED OXYGEN (MID): May to December 1989, January 1991 to July 1993.
DISSOLVED OXYGEN, PERCENT SATURATION, (TOP AND BOTTOM): May to December 1989, January 1991 to July 1993, June 1996 to current year.
DISSOLVED OXYGEN, PERCENT SATURATION, (MID): May to December 1989, January 1991 to July 1993.

INSTRUMENTATION.-- Water-quality monitor from May to December 1989, January 1991 to July 1993. Constituents monitored were: specific conductance, top and bottom, water temperature top, dissolved oxygen, top, mid-depth and bottom. Water-quality monitor with satellite telemetry from June 1996 to current year. Constituents monitored were the same as previous water years except, mid-depth dissolved oxygen was not measured, water temperature, bottom, was added as well as pH top and bottom.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources. The monitor was removed on August 29, 1999 to prevent possible destruction of the equipment during Hurricanes Dennis and Floyd. It was reinstalled October 6, 1999. The monitor was removed on September 15, 2003 to prevent possible destruction of the equipment during Hurricane Isabel. It was relocated approximately 150 feet west-southwest of old site on September 19, 2003. Prior to June 1996, top constituents were monitored at 10 feet above streambed, mid constituents at 6 feet above streambed, and bottom constituents 2 feet above streambed. Beginning in June 1996 top constituents were monitored at 8 feet above streambed, and bottom constituents 2 feet above streambed. Salinity and dissolved oxygen, percent saturation are computed. The salinity is computed from specific conductance using the conversion from U.S. Geological Survey Water-Supply Paper 2311. The dissolved oxygen percent saturation is computed using a barometric pressure of 760 mm of Hg beginning October 1, 2000. Salinity, minimum extremes are reported as <0.1 ppt. Dissolved oxygen minimum extremes are reported as <1.0 mg/L. Dissolved oxygen, percent saturation minimum extremes are reported as <10%.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	23.5, July 31	<0.1, on many days during the period
SALINITY (BOTOM), ppt	24.6, July 31	<0.1, on many days during the period
pH (TOP), standard units	9.9, March 17, 1999	5.7, February 16, 1998
pH (BOTTOM), standard units	9.6, April 3, 2004	4.3, August 21, 2003
WATER TEMPERATURE (TOP), ^{o} C	33.3, August 1, 1999	0.6, January 25, 2003
WATER TEMPERATURE (BOTTOM), ^{o} C	30.7, August 2, 2002	1.2, January 24, 2003
DISSOLVED OXYGEN (TOP), mg/L	20.0, February 18, 1992	<1.0, on many days during the period
DISSOLVED OXYGEN (BOTTOM), mg/L	21.2, February 20, 1991	<1.0, on many days during the period

EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	18.1, July 15, 16	<0.1, on several days during the year
SALINITY (BOTTOM), ppt	21.2, July 16	<0.1, September 17, 18
pH (TOP), standard units	9.5, March 24	6.5, November 5, 6, 7
pH (BOTTOM), standard units	9.6, April 13	6.2, February 20
WATER TEMPERATURE (TOP), ^{o}C	30.8, July 6	3.0, February 1
WATER TEMPERATURE (BOTTOM), ^{o}C	29.5, August 2	3.0, February 2
DISSOLVED OXYGEN (TOP), mg/L	15.6, February 20	<1.0, on several days during the year
DISSOLVED OXYGEN (BOTTOM), mg/L	14.2, January 21	<1.0, on many days during the year
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	152, October 19	<10, on several days during the year
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	128, May 8	<10, on many days during the year

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	3.7	2.9	3.4	0.9	0.2	0.4	4.6	3.2	3.7	1.8	1.0	1.4
2	3.3	2.8	3.1	0.3	0.1	0.2	4.0	3.7	3.8	1.9	1.1	1.4
3	3.9	2.7	3.3	0.4	0.2	0.3	3.8	3.3	3.5	4.4	1.3	1.6
4	3.5	1.8	2.5	0.2	0.09	0.2	3.8	3.4	3.5	8.2	1.1	4.6
5	3.3	2.3	2.6	0.4	0.08	0.2	3.8	2.9	3.1	10.6	6.8	9.2
6	2.4	2.1	2.3	0.5	0.1	0.2	4.0	2.1	3.3	10.5	4.0	6.1
7	2.6	2.2	2.4	0.9	0.2	0.6	3.2	2.2	2.9	7.6	5.2	6.6
8	3.1	2.4	2.7	1.1	0.5	0.9	3.2	2.4	2.7	6.7	5.0	5.8
9	3.2	2.6	2.9	2.6	1.0	1.5	2.9	2.4	2.7	6.6	5.0	5.6
10	3.0	2.6	2.8	3.0	1.6	2.0	3.0	2.1	2.6	6.7	5.5	6.5
11	2.8	2.4	2.6	1.7	0.6	1.0	2.8	2.0	2.4	7.1	4.6	6.2
12	3.1	2.4	2.9	2.3	0.7	1.8	2.7	1.6	2.2	7.3	4.9	6.4
13	2.8	2.0	2.5	4.0	2.1	2.8	2.8	1.7	2.2	7.1	5.2	6.0
14	3.4	2.6	3.0	3.9	2.3	2.8	2.8	1.0	1.6	6.4	5.2	5.9
15	3.8	2.3	3.1	2.5	1.9	2.2	1.5	0.7	1.1	6.4	5.6	5.9
16	3.2	1.9	2.3	2.2	1.7	2.1	1.2	0.3	0.6	6.1	5.2	5.7
17	2.5	2.1	2.4	2.4	1.6	2.0	0.5	0.09	0.3	5.7	5.0	5.4
18	2.6	1.8	2.4	2.4	1.7	2.0	1.0	0.2	0.5	5.1	4.3	4.7
19	2.6	1.9	2.2	2.5	1.7	2.0	1.6	0.2	0.7	5.9	4.8	5.3
20	2.4	1.2	1.6	2.0	1.7	1.9	2.2	1.6	1.8	5.1	4.6	4.8
21	3.7	1.1	2.5	2.1	1.4	1.8	2.0	1.2	1.7	5.0	3.5	4.4
22	4.2	3.4	3.8	2.4	1.4	1.8	1.8	0.7	1.3	5.5	3.4	4.4
23	4.0	2.3	3.3	2.1	1.4	1.7	1.6	0.9	1.3	5.4	4.5	5.0
24	3.4	3.0	3.2	2.0	1.0	1.5	1.4	0.3	0.9	5.4	5.2	5.2
25	3.4	2.2	2.9	3.0	1.4	2.6	1.9	0.4	1.1	5.2	5.1	5.2
26	2.9	2.2	2.7	2.2	1.7	1.9	2.1	1.8	2.0	5.3	4.4	4.9
27	3.1	2.0	2.6	2.6	1.5	1.9	2.1	1.8	1.9	4.8	3.8	4.5
28	2.9	2.3	2.6	2.6	1.4	2.1	1.9	0.8	1.4	4.9	3.9	4.4
29	2.9	2.0	2.3	5.4	1.7	3.9	1.6	0.9	1.2	5.2	3.9	5.0
30	2.1	1.5	1.9	4.3	3.1	3.3	4.5	1.2	2.0	5.2	4.0	4.8
31	1.9	0.8	1.3	---	---	---	2.1	1.4	1.5	4.8	3.9	4.4
MONTH	4.2	0.8	2.6	5.4	0.08	1.7	4.6	0.09	2.0	10.6	1.0	5.1
		FEBRUARY			MARCH			APRIL			MAY	
1	4.4	3.1	3.9	0.5	0.05	0.2	2.9	1.4	2.1	2.2	1.4	1.7
2	3.9	3.4	3.7	1.0	0.2	0.5	3.6	2.6	3.1	1.6	1.0	1.3
3	3.9	3.4	3.5	0.6	0.06	0.2	3.3	2.6	2.8	1.7	0.9	1.1
4	3.6	2.6	3.2	0.8	0.1	0.4	3.1	2.6	2.7	2.4	1.3	1.9
5	3.7	3.0	3.4	0.9	0.3	0.6	3.4	2.0	3.0	5.3	1.5	3.7
6	3.3	2.5	2.9	2.5	0.4	1.4	2.7	2.3	2.5	3.1	1.1	2.0
7	3.3	2.2	2.7	1.4	0.7	1.1	3.2	2.5	2.8	3.6	0.6	1.1
8	4.1	2.3	3.3	4.1	0.8	2.6	3.2	2.7	3.0	3.3	1.1	1.9
9	3.2	2.1	2.8	3.9	0.8	1.3	3.3	2.7	3.1	2.0	1.0	1.4
10	2.2	1.8	2.1	2.5	1.1	1.8	3.2	2.8	3.0	3.3	1.2	1.7
11	2.0	1.5	1.8	2.4	1.2	1.9	3.1	2.8	2.9	2.4	0.9	1.7
12	2.4	1.7	2.2	4.4	1.5	2.6	3.5	2.4	3.1	1.6	0.6	1.1
13	2.4	1.8	2.2	2.7	1.2	2.2	2.5	0.8	1.9	1.1	0.2	0.6
14	2.2	1.2	1.5	2.8	1.9	2.5	2.1	0.9	1.5	3.4	0.4	0.9
15	2.2	1.2	1.5	3.3	1.6	2.4	2.3	1.2	1.9	7.5	0.5	2.3
16	3.7	1.9	2.7	2.6	2.0	2.4	2.0	1.0	1.4	6.8	0.9	2.7
17	3.6	2.5	2.8	2.6	2.0	2.3	1.5	0.7	1.0	4.4	1.0	1.3
18	3.2	1.8	2.4	2.4	1.4	2.0	1.7	0.4	0.9	1.9	0.9	1.2
19	2.4	1.2	1.6	3.6	1.7	2.5	1.0	0.5	0.7	9.3	1.2	3.7
20	2.2	1.2	1.6	3.5	1.9	2.5	1.1	0.4	0.6	14.1	2.9	6.6
21	2.7	1.2	1.9	3.0	1.3	2.3	1.1	0.3	0.6	14.4	4.8	9.6
22	2.2	0.8	1.7	2.8	1.9	2.3	1.2	0.6	0.9	14.6	7.5	10.9
23	1.3	0.8	1.0	2.3	1.0	1.7	1.0	0.4	0.8	13.4	8.3	11.0
24	1.1	0.7	0.9	1.7	0.6	1.1	2.9	0.4	1.5	15.2	8.1	11.9
25	0.9	0.6	0.7	1.8	0.4	1.1	2.8	1.3	2.1	12.2	9.8	11.2
26	1.7	0.6	1.0	1.4	0.7	1.1	1.3	0.5	0.9	15.0	9.2	11.3
27	2.3	0.8	1.8	1.5	0.3	0.6	2.8	1.2	1.8	13.8	7.7	10.3
28	1.9	0.08	0.5	2.2	0.6	1.3	2.9	1.8	2.2	14.7	10.6	12.8
29	0.5	0.01	0.07	2.4	1.3	1.8	2.6	1.0	1.4	12.9	10.6	11.6
30	---	---	---	2.7	1.3	1.8	2.3	0.9	1.5	12.8	11.3	12.0
31	---	---	---	2.3	1.2	1.8	---	---	---	12.0	11.1	11.6
MONTH	4.4	0.01	2.1	4.4	0.05	1.6	3.6	0.3	1.9	15.2	0.2	5.3

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	12.6	11.0	12.1	12.0	7.6	9.4	13.1	12.8	13.0	3.0	2.0	2.2
2	12.8	10.7	11.8	11.5	8.5	9.8	13.1	12.6	12.9	3.6	2.7	3.2
3	12.7	11.3	12.2	13.7	7.1	9.9	14.2	12.1	13.4	3.3	2.0	2.5
4	12.4	10.2	11.7	12.3	6.6	9.4	14.9	10.7	12.5	2.2	1.4	1.8
5	12.4	10.8	11.4	13.1	6.9	8.8	14.8	12.2	13.8	2.2	1.4	1.8
6	12.4	10.9	11.7	16.2	6.3	10	14.2	11.9	13.5	2.1	1.4	1.5
7	12.4	10.6	11.7	15.9	6.3	11.9	13.7	10.6	12.5	1.6	1.3	1.5
8	12.9	10.2	11.4	14.8	10.7	12.5	15.4	7.9	12.2	1.7	0.8	1.3
9	12.0	9.8	10.9	15.6	11.3	12.8	15.3	9.5	11.9	1.0	0.4	0.6
10	13.3	10.4	11.7	17.6	9.7	12.9	13.6	9.0	11.2	0.7	0.4	0.6
11	14.3	8.7	12.2	15.5	8.1	10.6	12.4	9.1	10.9	0.8	0.5	0.6
12	---	---	---	12.2	8.3	9.9	11.1	8.2	9.6	0.8	0.5	0.6
13	---	---	---	17.2	8.8	12.1	11.1	8.2	9.6	0.8	0.5	0.6
14	---	---	---	17.5	12.1	14.6	11.1	7.4	9.7	0.8	0.4	0.6
15	---	---	---	18.1	10.1	14.1	9.3	6.7	8.3	0.5	0.10	0.3
16	---	---	---	18.1	11.8	13.0	8.6	4.3	5.8	0.2	0.09	0.1
17	---	---	---	15.1	12.0	13.2	5.7	3.5	4.7	0.2	0.06	0.1
18	---	---	---	14.4	12.9	13.8	5.1	2.9	4.4	0.4	0.05	0.1
19	---	---	---	15.1	12.0	13.1	5.0	1.4	3.3	1.7	0.1	0.6
20	---	---	---	14.6	11.2	12.5	8.8	1.6	3.7	2.3	0.8	1.5
21	---	---	---	13.1	11.1	11.6	8.3	1.1	2.7	2.4	0.7	1.4
22	---	---	---	15.0	10.9	12.6	8.5	1.6	2.7	1.1	0.4	0.6
23	---	---	---	15.1	12.0	13.4	3.2	1.2	2.2	2.2	0.2	0.5
24	---	---	---	13.3	12.2	12.7	3.3	1.9	2.6	2.4	0.7	1.4
25	13.0	6.8	9.3	14.1	11.5	13.1	3.9	2.3	3.0	2.1	1.0	1.6
26	12.6	10.1	11.4	14.8	11.3	13.3	4.0	2.0	2.3	1.8	0.9	1.3
27	13.1	7.9	10.3	14.7	13.1	13.6	2.1	1.8	2.0	1.9	0.9	1.1
28	11.8	8.3	10.4	13.5	12.4	12.9	1.9	1.3	1.6	1.8	0.4	1.0
29	10.8	8.0	9.3	14.3	12.6	13.1	2.9	1.4	1.9	1.7	0.7	1.4
30	10.3	7.3	8.8	13.5	12.1	13.0	2.5	1.3	1.9	1.9	1.3	1.6
31	---	---	---	13.9	12.4	13.3	2.5	1.8	2.2	---	---	---
MONTH	---	---	---	18.1	6.3	12.2	15.4	1.1	7.2	3.6	0.05	1.1

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	3.7	3.4	3.5	3.9	1.2	2.8	5.0	3.7	4.4	10.6	7.7	10.2
2	3.6	2.9	3.2	4.3	2.6	3.8	4.0	3.7	3.9	10.4	7.1	9.6
3	4.0	3.1	3.7	4.2	0.8	3.3	3.9	3.4	3.6	10.4	7.5	9.7
4	5.4	3.9	4.6	3.5	1.0	2.5	3.8	3.4	3.6	11.1	8.5	10.2
5	5.5	2.9	4.6	2.9	1.1	2.0	3.9	2.9	3.4	11.2	8.5	10.6
6	5.0	4.0	4.9	4.0	1.0	2.6	4.1	3.1	3.7	11.2	5.8	9.0
7	5.0	4.1	4.7	5.7	3.3	4.5	4.0	2.8	3.5	8.9	5.3	7.2
8	4.6	2.8	3.6	5.6	0.5	2.6	3.8	3.0	3.4	10	6.5	7.9
9	3.4	2.8	3.1	3.4	1.2	1.7	4.6	3.5	3.9	9.7	4.0	7.0
10	3.0	2.6	2.8	3.2	1.8	2.2	4.7	2.7	3.7	6.8	4.5	5.8
11	3.2	2.4	2.8	5.7	1.5	3.0	3.0	2.0	2.4	7.8	4.9	6.8
12	3.6	3.0	3.4	5.7	2.6	4.5	3.6	2.6	3.1	8.5	5.7	7.3
13	3.6	2.9	3.4	4.0	2.3	3.0	3.2	2.2	2.7	7.6	4.1	6.7
14	3.4	2.7	3.0	3.9	2.4	2.9	2.8	1.0	1.9	7.0	4.1	6.1
15	3.8	2.3	3.0	2.7	2.2	2.4	2.0	0.9	1.2	6.5	5.7	6.1
16	3.8	2.7	3.3	2.7	2.3	2.5	2.0	1.0	1.5	6.4	4.0	5.7
17	3.6	2.7	3.1	4.3	2.3	3.0	1.0	0.10	0.3	6.0	4.4	5.5
18	3.0	2.1	2.6	5.1	4.1	4.8	2.0	0.3	1.2	6.0	3.5	5.2
19	2.8	2.4	2.6	4.4	1.7	2.7	8.2	1.6	5.8	5.9	4.0	5.4
20	5.0	2.8	4.1	2.4	1.6	2.0	8.0	2.1	5.7	5.2	3.4	4.6
21	5.3	3.5	4.8	2.7	2.1	2.3	8.4	2.0	4.5	5.5	3.4	4.7
22	5.1	3.9	4.4	5.1	2.7	4.1	8.3	4.2	6.4	7.0	4.3	6.1
23	4.0	3.1	3.8	5.3	5.1	5.2	7.6	1.7	5.0	7.1	3.9	5.7
24	4.3	3.1	3.4	5.7	5.1	5.4	7.4	1.6	4.8	5.7	4.2	5.4
25	3.3	2.7	3.1	5.3	2.6	3.2	9.0	2.7	7.6	5.4	5.3	5.3
26	3.9	2.8	3.4	8.1	2.6	5.5	9.9	5.3	8.9	5.4	4.4	5.1
27	4.0	3.4	3.8	8.3	7.4	8.0	11.0	9.9	10.6	5.1	3.9	4.8
28	3.9	2.6	3.2	8.0	1.8	6.0	11.0	9.7	10.9	5.2	4.0	4.5
29	3.4	2.3	2.8	5.7	1.8	4.3	10.9	9.7	10.3	5.4	5.1	5.3
30	3.2	2.2	2.8	5.0	3.7	4.5	10.6	9.2	10.0	5.4	4.8	5.2
31	3.2	1.4	2.3	---	---	---	10.7	9.8	10.6	5.4	4.3	4.6
MONTH	5.5	1.4	3.5	8.3	0.5	3.6	11.0	0.1	4.9	11.2	3.4	6.6
		FEBRUARY			MARCH			APRIL			MAY	
1	4.8	4.0	4.3	3.7	2.7	3.5	4.5	1.8	3.3	3.3	1.6	2.4
2	4.5	3.5	4.1	4.0	3.6	3.8	3.4	2.5	3.1	2.1	1.0	1.3
3	4.3	3.5	3.8	5.4	2.0	4.0	3.4	2.5	3.0	1.7	1.0	1.3
4	4.7	3.3	3.9	5.6	2.4	4.8	2.9	2.5	2.6	6.3	1.6	3.0
5	3.7	3.0	3.5	5.7	4.9	5.4	3.2	2.7	3.0	7.2	4.3	6.4
6	3.9	2.5	3.2	6.0	1.6	4.6	4.7	2.3	3.1	7.0	4.6	6.3
7	3.6	2.2	2.9	5.9	0.9	4.3	5.5	4.5	5.1	7.1	5.7	6.5
8	4.1	3.3	3.8	4.1	1.0	2.8	5.3	4.0	4.8	7.5	2.6	5.6
9	3.8	2.8	3.3	4.0	1.5	2.8	5.1	3.0	4.6	6.5	1.9	4.3
10	4.3	2.3	3.3	2.6	1.3	2.0	4.3	2.8	3.3	7.0	4.9	6.3
11	4.9	2.8	4.5	5.6	1.5	3.4	3.1	2.6	2.8	7.3	5.8	6.6
12	4.9	2.3	3.3	6.0	4.8	5.4	3.3	2.5	3.1	7.5	5.7	6.9
13	5.1	2.0	2.5	5.7	2.4	3.5	2.6	0.7	1.9	7.9	6.7	7.4
14	5.4	3.8	5.1	3.7	2.7	3.2	2.0	0.9	1.5	9.6	7.7	8.7
15	5.3	1.3	3.2	4.0	3.5	3.9	2.3	1.2	2.0	11.2	8.1	10.1
16	4.1	1.9	3.0	3.9	3.0	3.8	2.3	1.7	2.1	12.2	9.2	11.2
17	3.5	2.5	2.9	3.2	2.5	2.8	3.7	1.5	2.7	12.6	10.8	11.9
18	4.1	2.0	3.0	6.5	2.6	5.2	3.8	2.4	3.4	12.5	10.8	11.9
19	4.1	3.4	3.9	5.9	2.6	4.1	3.6	0.5	3.0	13.0	11.9	12.5
20	4.2	2.0	3.7	4.0	2.5	3.2	3.8	0.5	3.4	14.0	12.2	13.3
21	3.9	1.7	2.6	3.4	1.6	2.6	4.8	2.9	3.7	14.8	13.5	14.4
22	2.8	1.2	2.0	3.2	2.3	2.7	5.0	0.9	2.7	15.7	12.5	14.8
23	1.8	1.0	1.2	3.0	2.4	2.8	5.7	2.4	4.1	16.3	12.6	15.0
24	1.4	0.9	1.1	3.3	2.5	2.9	7.9	2.2	5.2	16.4	12.9	15.2
25	0.9	0.6	0.8	2.9	2.3	2.6	3.2	2.0	2.5	16.6	13.0	15.6
26	1.9	0.7	1.3	2.9	2.2	2.5	4.3	0.8	2.9	16.9	14.1	16.1
27	2.3	0.8	1.9	3.4	2.1	3.0	7.6	2.0	3.8	18.4	15.9	17.4
28	2.0	0.4	0.7	3.6	1.3	2.6	5.5	2.1	3.1	18.5	15.1	17.7
29	3.3	0.4	1.3	2.3	1.3	1.9	5.5	3.3	4.4	18.4	13.5	17.1
30	---	---	---	4.4	1.7	3.6	3.7	2.3	3.1	15.8	12.1	13.5
31	---	---	---	4.8	3.0	4.3	---	---	---	14.7	12.8	13.8
MONTH	5.4	0.4	2.9	6.5	0.9	3.5	7.9	0.5	3.2	18.5	1.0	10.1

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	15.1	13.1	14.4	14.5	13.3	13.9	13.9	12.8	13.2	8.8	4.0	5.8
2	15.6	14.2	15.2	14.3	13.5	14.0	14.1	13.2	13.8	6.7	2.9	3.9
3	15.9	13.4	14.8	14.7	14.3	14.6	14.8	12.8	13.6	7.5	2.5	3.9
4	14.5	11.4	13.1	14.7	14.0	14.6	14.9	12.8	14.2	8.3	2.1	4.2
5	13.3	11.8	12.5	16.5	14.0	15.2	16.1	13.1	15.4	7.8	1.9	4.1
6	13.2	12.4	12.6	18.4	16.5	17.6	15.4	12.1	13.6	6.6	1.6	2.8
7	15.6	12.7	14.2	18.4	17.3	18.1	15.1	13.2	13.9	3.1	1.5	2.1
8	15.9	14.2	15.2	18.0	16.4	17.6	16.1	15.1	15.8	3.5	1.0	1.7
9	15.7	14.3	15.2	18.2	17.3	17.9	16.0	15.5	15.7	1.0	0.5	0.6
10	15.9	15.1	15.7	18.4	16.9	18.0	15.5	15.0	15.2	1.6	0.5	0.9
11	16.0	13.7	15.4	18.3	17.5	18.1	15.3	14.2	15.0	1.1	0.5	0.7
12	15.7	11.3	12.5	17.8	16.7	17.5	15.0	13.5	14.5	0.8	0.5	0.6
13	12.3	10.7	11.3	18.1	17.3	17.8	14.6	9.6	12.5	0.8	0.5	0.7
14	12.7	11.0	12.0	19.0	18.0	18.5	13.2	9.2	11.5	0.8	0.4	0.6
15	12.2	11.2	11.7	20.5	17.3	19.4	11.5	9.9	10.7	0.8	0.1	0.4
16	11.5	10.5	11.0	21.2	19.6	20.6	12.4	10.6	11.7	1.5	0.1	0.3
17	13.4	10	11.7	21.0	18.5	20.2	12.5	10.7	12.1	0.2	0.06	0.1
18	14.7	12.0	13.7	19.7	16.0	18.8	11.6	9.5	10.6	0.4	0.06	0.1
19	16.7	14.0	15.9	20.6	17.8	20.1	11.9	9.5	10.9	4.3	0.1	1.1
20	16.6	10.9	15.3	20.7	13.7	19.5	12.5	10.6	12.0	4.8	1.4	2.6
21	15.1	10.4	12.2	20.4	17.4	20.0	14.1	11.6	12.9	3.9	1.2	2.4
22	13.5	10.5	12.2	20.3	17.5	19.4	15.7	13.0	14.7	5.6	3.7	5.0
23	15.0	11.3	13.8	19.1	16.5	18.1	15.7	13.5	15.1	5.6	4.7	5.5
24	15.4	14.2	14.9	18.5	15.4	17.3	14.9	4.1	12.1	5.5	2.3	3.7
25	15.5	14.5	15.2	19.9	16.7	19.3	7.6	3.6	4.5	3.7	1.7	2.4
26	15.1	13.5	14.5	19.6	17.0	18.6	4.5	2.3	3.2	3.5	1.1	2.1
27	14.9	13.7	14.5	18.8	16.1	17.2	5.1	2.1	2.5	2.7	1.0	2.1
28	14.5	12.4	13.9	16.8	14.1	15.8	5.1	1.4	3.2	3.5	0.5	1.8
29	14.3	12.4	13.7	16.5	13.3	15.0	5.4	1.9	3.4	1.9	0.7	1.6
30	13.9	12.7	13.4	15.3	13.3	14.3	4.6	1.3	2.3	2.0	1.5	1.7
31	---	---	---	13.7	13.1	13.4	4.0	2.1	3.0	---	---	---
MONTH	16.7	10.0	13.7	21.2	13.1	17.4	16.1	1.3	11.1	8.8	0.06	2.2

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.8	7.6	8.1	8.1	7.1	7.4	7.6	7.2	7.5	7.4	7.2	7.3
2	8.1	7.5	7.9	7.2	7.0	7.2	7.6	7.5	7.5	7.5	7.2	7.4
3	8.4	7.5	7.8	7.4	7.1	7.2	7.6	7.5	7.6	7.6	7.2	7.3
4	8.4	7.4	7.8	7.1	6.6	6.9	7.7	7.5	7.6	7.4	7.0	7.2
5	8.0	7.4	7.7	6.9	6.5	6.7	7.7	7.6	7.6	7.2	7.1	7.1
6	8.5	7.5	7.9	6.7	6.5	6.6	7.7	7.5	7.6	7.5	7.2	7.4
7	8.3	7.7	8.0	6.9	6.5	6.7	7.8	7.5	7.7	7.8	7.4	7.5
8	8.0	7.2	7.6	7.1	6.9	7.0	7.9	7.7	7.7	7.9	7.4	7.6
9	7.3	7.2	7.3	7.3	7.0	7.2	7.9	7.7	7.8	7.9	7.7	7.8
10	7.4	7.2	7.3	7.3	7.2	7.3	8.0	7.7	7.9	7.8	7.6	7.7
11	7.3	7.2	7.2	7.3	7.1	7.1	7.7	7.6	7.7	8.0	7.6	7.8
12	7.5	7.2	7.3	7.4	7.1	7.2	7.8	7.6	7.7	8.2	7.7	7.9
13	8.0	7.3	7.6	7.3	7.2	7.2	7.8	7.7	7.8	8.1	7.9	8.0
14	8.0	7.5	7.7	7.4	7.2	7.3	7.8	7.6	7.7	8.3	7.9	8.1
15	7.8	7.4	7.5	7.4	7.3	7.4	8.0	7.7	7.7	8.2	7.9	8.0
16	7.9	7.5	7.6	7.6	7.3	7.4	8.0	7.7	7.9	8.2	8.0	8.1
17	8.9	7.6	8.1	7.4	7.1	7.3	7.9	7.4	7.7	8.6	8.0	8.3
18	8.7	7.8	8.1	7.9	6.9	7.2	7.9	7.4	7.7	8.4	7.9	8.2
19	9.0	7.8	8.2	7.0	6.8	6.9	7.8	7.5	7.7	8.4	8.0	8.2
20	8.8	7.8	8.1	7.1	7.0	7.0	8.0	7.8	7.9	8.3	8.2	8.3
21	8.2	7.4	7.8	7.2	7.0	7.1	7.9	7.6	7.8	8.8	8.3	8.5
22	7.9	7.4	7.6	8.2	7.0	7.4	7.7	7.5	7.6	8.8	8.4	8.6
23	8.6	7.6	8.1	8.4	7.2	7.8	7.7	7.4	7.6	8.5	8.3	8.3
24	8.4	7.9	8.1	8.2	7.3	7.7	7.5	7.1	7.3	8.4	8.2	8.3
25	8.3	7.8	8.1	7.6	7.0	7.2	7.4	7.1	7.3	8.3	8.2	8.3
26	8.5	7.6	7.9	7.3	7.1	7.2	7.5	7.4	7.5	8.3	8.1	8.2
27	8.0	7.4	7.6	7.6	7.2	7.2	7.6	7.4	7.5	8.3	8.1	8.2
28	7.7	7.4	7.6	7.4	7.0	7.3	7.5	7.2	7.4	8.2	7.8	8.0
29	7.8	7.5	7.7	7.4	7.0	7.2	7.4	7.1	7.3	8.3	7.6	7.9
30	8.1	7.6	7.8	7.6	7.2	7.4	7.4	7.2	7.3	8.5	7.8	8.1
31	8.2	7.7	7.9	---	---	---	7.3	7.2	7.2	8.4	8.1	8.3
MONTH	9.0	7.2	7.8	8.4	6.5	7.2	8.0	7.1	7.6	8.8	7.0	7.9
		FEBRUARY			MARCH			APRIL			MAY	
1	8.5	8.2	8.4	8.0	7.5	7.8	8.5	7.6	7.9	7.7	7.2	7.4
2	8.6	8.3	8.4	8.0	7.5	7.7	8.5	7.7	8.2	7.6	7.2	7.3
3	8.6	8.2	8.4	7.8	7.4	7.5	8.6	8.1	8.4	7.4	7.2	7.3
4	8.6	8.4	8.5	7.9	7.5	7.7	8.3	7.7	8.1	7.9	7.1	7.4
5	8.7	8.3	8.5	7.7	7.6	7.7	8.0	7.7	7.8	7.7	7.1	7.3
6	8.7	8.3	8.5	7.8	7.4	7.6	8.6	7.6	8.0	8.8	7.0	7.7
7	8.4	7.8	8.3	8.2	7.7	7.9	9.0	7.9	8.4	8.4	7.3	7.8
8	8.6	8.0	8.3	7.8	7.6	7.7	8.8	7.9	8.4	8.8	7.5	8.2
9	8.8	8.2	8.5	7.9	7.7	7.8	9.1	8.0	8.5	9.0	7.4	8.3
10	8.9	8.3	8.6	8.0	7.8	7.9	9.0	8.6	8.8	8.9	7.6	8.4
11	8.8	8.5	8.7	8.1	7.9	8.0	8.8	8.3	8.6	7.7	7.0	7.3
12	8.8	8.4	8.6	8.2	7.9	8.0	8.6	7.9	8.2	7.2	6.9	7.0
13	8.8	8.0	8.5	8.5	8.1	8.2	8.1	7.6	7.9	7.2	6.8	7.0
14	8.8	8.4	8.6	8.9	8.2	8.4	8.2	7.6	7.8	7.0	6.9	7.0
15	8.6	8.3	8.4	9.4	8.2	8.7	8.0	7.6	7.8	7.1	6.7	6.9
16	8.4	7.5	8.0	9.4	8.7	8.9	8.8	7.6	7.9	7.1	6.8	6.9
17	7.7	7.4	7.6	8.9	8.6	8.7	8.2	7.6	7.9	8.2	6.9	7.4
18	7.7	7.2	7.5	9.3	8.3	8.9	8.1	7.5	7.7	8.5	7.4	7.8
19	8.2	7.1	7.7	9.0	8.5	8.7	7.8	7.5	7.6	7.7	6.9	7.3
20	8.7	7.5	8.1	9.1	8.3	8.7	8.6	7.5	7.7	7.4	6.8	7.1
21	8.7	7.3	7.7	9.0	8.3	8.7	7.7	7.6	7.6	8.0	6.8	7.0
22	9.0	7.6	8.4	9.0	8.4	8.6	8.3	7.6	7.8	7.4	6.8	7.0
23	8.8	7.5	8.3	9.1	8.4	8.5	8.8	7.6	8.1	7.9	6.9	7.2
24	8.3	7.6	7.8	9.5	8.7	9.0	8.8	7.3	8.0	7.9	7.2	7.3
25	7.8	7.6	7.7	9.1	8.4	8.8	8.9	7.9	8.4	8.0	7.2	7.5
26	8.0	7.6	7.7	9.0	8.5	8.7	8.6	7.6	8.1	8.5	7.1	7.7
27	8.1	7.6	8.0	8.5	7.8	8.1	8.6	7.5	8.1	8.1	7.3	7.9
28	8.0	7.6	7.7	8.1	7.5	7.8	8.7	7.7	8.2	8.0	7.1	7.5
29	7.7	7.5	7.6	7.8	7.5	7.7	8.8	8.0	8.4	7.8	7.4	7.6
30	---	---	---	8.6	7.5	7.8	8.3	7.5	8.0	7.6	7.2	7.4
31	---	---	---	8.6	7.8	8.2	---	---	---	7.3	7.2	7.2
MONTH	9.0	7.1	8.2	9.5	7.4	8.2	9.1	7.3	8.1	9.0	6.7	7.4

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.0	7.2	7.6	8.5	7.3	8.1	8.0	7.7	7.9	7.3	7.1	7.2
2	8.3	7.7	7.9	8.9	7.5	7.8	7.9	7.4	7.8	7.6	7.2	7.4
3	8.4	7.3	7.8	8.0	7.3	7.5	7.9	7.4	7.7	8.0	7.3	7.5
4	7.9	7.3	7.7	8.9	7.4	7.9	8.0	7.1	7.6	7.9	7.3	7.5
5	8.0	7.4	7.7	8.4	7.5	7.8	7.9	7.1	7.4	8.2	7.6	7.8
6	8.4	7.7	7.9	8.6	7.6	7.9	8.0	7.2	7.7	8.0	7.5	7.7
7	8.4	7.6	7.9	8.3	7.5	7.9	8.1	7.3	7.8	8.0	7.5	7.6
8	8.1	7.3	7.9	8.9	7.8	8.0	8.4	7.3	7.8	7.7	7.3	7.5
9	8.2	7.3	7.8	8.0	7.1	7.7	8.5	7.2	7.8	7.5	7.4	7.4
10	7.4	7.1	7.2	8.0	7.0	7.5	8.5	7.6	8.2	7.4	7.1	7.3
11	8.2	7.1	7.4	8.3	7.1	7.7	8.6	7.4	8.3	7.4	7.0	7.2
12	7.7	7.2	7.4	8.5	7.2	8.0	8.6	7.4	8.2	7.5	7.2	7.3
13	7.8	7.3	7.5	8.2	6.9	7.3	8.3	7.7	8.0	7.4	7.2	7.2
14	7.7	7.2	7.5	7.8	6.9	7.2	8.0	7.3	7.7	7.4	7.2	7.3
15	7.5	7.1	7.3	8.1	7.0	7.6	7.7	7.2	7.4	7.5	7.2	7.4
16	7.5	7.0	7.3	8.2	7.2	8.0	7.5	7.2	7.3	7.7	7.1	7.3
17	7.4	7.0	7.2	8.5	7.7	8.0	7.8	7.1	7.3	7.5	7.2	7.4
18	7.7	6.8	7.2	8.3	7.5	8.0	8.2	7.4	7.7	7.5	7.2	7.3
19	8.2	6.8	7.3	8.6	7.4	7.8	7.7	6.8	7.0	7.7	7.4	7.6
20	8.1	6.9	7.7	8.3	7.7	8.1	7.0	6.6	6.8	7.8	7.6	7.7
21	8.2	7.4	7.8	8.3	7.7	8.1	7.1	6.6	6.9	8.2	7.7	7.9
22	7.8	6.8	7.4	8.3	7.6	8.0	7.5	6.8	7.1	8.0	7.4	7.7
23	8.0	6.8	7.1	7.8	7.2	7.5	8.1	7.0	7.3	8.6	7.4	7.8
24	8.2	7.0	7.7	8.2	7.5	7.9	8.2	7.2	7.6	8.4	7.7	8.0
25	8.1	7.2	7.6	8.3	7.8	8.0	8.2	7.3	7.7	8.2	7.4	7.7
26	7.8	7.1	7.4	8.4	7.7	8.0	7.8	7.1	7.3	8.4	7.6	7.8
27	8.4	7.4	7.8	8.3	7.8	8.1	7.8	7.1	7.4	8.2	7.6	7.8
28	8.3	7.6	7.9	8.2	7.7	8.0	7.4	7.0	7.2	7.8	7.3	7.5
29	8.8	7.7	8.1	8.0	7.7	7.9	7.4	7.0	7.2	8.8	7.5	7.9
30	8.8	7.9	8.3	8.0	7.8	7.9	7.3	7.1	7.2	8.6	7.7	7.9
31	---	---	---	7.9	7.7	7.8	7.7	7.2	7.3	---	---	---
MONTH	8.8	6.8	7.6	8.9	6.9	7.8	8.6	6.6	7.5	8.8	7.0	7.6

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.0	7.5	7.7	7.4	6.9	7.1	7.0	6.8	6.9	7.2	7.2	7.2
2	7.9	7.5	7.7	7.0	6.8	6.9	7.2	7.0	7.1	7.2	7.1	7.2
3	7.9	7.3	7.6	7.1	6.8	6.9	7.3	7.1	7.2	7.2	7.1	7.1
4	7.5	7.1	7.2	7.0	6.8	6.9	7.2	7.1	7.2	7.2	7.1	7.1
5	7.5	7.0	7.1	7.0	6.8	6.9	7.1	7.0	7.0	7.3	7.0	7.1
6	7.1	6.9	7.0	7.0	6.8	6.9	7.1	7.0	7.1	7.4	7.2	7.3
7	7.0	6.9	7.0	7.0	6.9	6.9	7.1	7.0	7.0	8.0	7.2	7.6
8	7.5	6.9	7.2	7.1	6.9	7.0	7.2	7.1	7.1	8.0	7.2	7.6
9	7.6	7.3	7.5	7.3	7.1	7.2	7.1	6.9	7.0	7.8	7.2	7.5
10	7.7	7.5	7.6	7.4	7.3	7.3	7.3	6.8	7.0	7.8	7.6	7.7
11	7.7	7.5	7.6	7.3	6.9	7.2	7.5	7.1	7.3	8.0	7.6	7.8
12	7.8	7.5	7.6	7.2	6.9	7.0	7.7	7.5	7.5	8.2	7.6	7.9
13	7.6	7.4	7.6	7.3	7.1	7.3	7.8	7.5	7.7	8.1	7.7	8.0
14	8.3	7.5	8.1	7.4	7.3	7.4	7.8	7.7	7.7	8.2	7.7	8.0
15	8.2	7.9	8.0	7.4	7.3	7.4	7.8	7.6	7.7	8.2	7.9	8.0
16	8.0	7.8	7.8	7.3	7.2	7.3	8.1	7.7	7.9	8.2	7.9	8.1
17	7.9	7.0	7.4	7.3	7.1	7.1	8.0	7.6	7.8	8.4	7.9	8.1
18	8.0	7.0	7.6	7.1	6.5	6.9	8.1	7.7	8.0	8.3	7.5	7.9
19	7.7	7.3	7.5	6.8	6.5	6.7	7.9	7.6	7.8	8.4	8.0	8.2
20	7.3	6.9	7.0	6.9	6.7	6.8	8.1	7.7	7.9	8.4	8.2	8.3
21	7.2	6.9	7.0	6.9	6.7	6.8	8.0	7.6	7.8	8.6	8.2	8.4
22	7.6	7.0	7.3	6.8	6.7	6.7	7.8	7.4	7.7	8.3	8.0	8.2
23	7.8	7.2	7.4	6.8	6.7	6.7	7.7	7.4	7.5	8.4	7.8	8.2
24	8.0	7.1	7.6	6.7	6.6	6.7	7.7	7.3	7.4	8.4	8.2	8.3
25	7.8	7.5	7.6	7.5	6.6	7.1	7.6	7.3	7.4	8.3	8.2	8.3
26	7.5	7.0	7.2	7.2	6.5	6.8	7.6	7.4	7.5	8.3	8.1	8.2
27	7.1	7.0	7.0	6.8	6.6	6.7	7.7	7.5	7.6	8.3	8.0	8.1
28	7.3	7.0	7.1	7.1	6.6	6.8	7.6	7.5	7.6	8.2	7.8	8.1
29	7.3	7.0	7.2	7.1	6.9	7.0	7.5	7.4	7.5	8.0	7.7	7.8
30	7.3	7.0	7.1	7.0	6.8	6.9	7.4	7.3	7.4	8.4	7.9	8.1
31	7.7	6.9	7.3	---	---	---	7.4	7.2	7.3	8.5	8.0	8.3
MONTH	8.3	6.9	7.4	7.5	6.5	7.0	8.1	6.8	7.4	8.6	7.0	7.9
		FEBRUARY			MARCH			APRIL			MAY	
1	8.6	8.1	8.3	8.3	7.6	7.8	9.3	8.2	8.6	7.4	6.8	7.0
2	8.6	8.0	8.4	7.6	7.3	7.4	9.5	8.8	9.2	7.5	7.1	7.3
3	8.6	8.1	8.4	7.6	7.3	7.4	9.6	9.0	9.3	7.4	7.1	7.2
4	8.7	7.6	8.3	7.4	7.3	7.3	9.3	8.7	9.0	7.3	6.7	7.1
5	8.8	8.5	8.7	7.3	7.2	7.3	8.7	8.5	8.6	7.0	6.7	6.9
6	8.8	8.2	8.6	7.6	7.3	7.4	8.6	8.1	8.3	7.1	6.7	6.8
7	8.5	8.2	8.4	7.8	7.4	7.5	8.1	7.8	7.9	6.8	6.7	6.7
8	8.5	8.1	8.3	7.8	7.6	7.7	8.0	7.7	7.8	9.0	6.7	7.1
9	8.7	7.7	8.3	7.9	7.6	7.8	9.3	7.7	7.9	8.6	6.6	7.4
10	8.6	6.8	7.8	7.9	7.9	7.9	9.5	7.7	8.8	6.9	6.6	6.7
11	8.2	6.7	6.8	8.0	7.9	7.9	9.4	8.4	9.1	6.7	6.6	6.6
12	8.8	6.6	7.9	8.1	7.8	8.0	9.1	8.3	8.8	6.7	6.6	6.6
13	8.8	6.6	8.4	8.2	7.8	8.0	8.7	8.1	8.3	6.8	6.7	6.7
14	7.0	6.4	6.5	8.9	8.2	8.5	8.7	8.1	8.3	6.9	6.8	6.9
15	8.6	6.4	7.5	8.9	8.1	8.4	8.5	8.0	8.3	6.9	6.8	6.8
16	8.5	6.8	7.7	8.5	8.0	8.1	8.2	7.8	8.0	6.9	6.8	6.9
17	7.8	7.0	7.4	8.7	8.4	8.5	7.8	7.3	7.5	7.0	6.9	6.9
18	7.7	7.1	7.4	8.7	7.8	8.0	7.6	7.3	7.4	7.0	6.9	7.0
19	7.5	6.9	7.2	8.9	7.7	8.4	8.0	7.2	7.3	7.0	6.9	7.0
20	7.5	6.2	7.0	8.8	8.2	8.5	7.7	7.1	7.3	7.0	6.6	7.0
21	8.6	6.9	7.5	8.9	8.3	8.6	7.2	7.0	7.1	7.0	7.0	7.0
22	8.9	7.6	8.3	8.7	8.4	8.6	8.1	6.6	7.3	7.0	6.9	7.0
23	8.8	7.7	8.3	8.5	8.3	8.4	7.6	6.6	6.9	7.2	6.8	6.9
24	8.4	7.7	7.9	8.4	8.2	8.3	8.6	6.6	7.1	7.3	6.8	7.0
25	7.7	7.6	7.6	8.5	8.1	8.3	8.8	7.1	8.3	7.3	6.9	7.0
26	8.3	7.6	7.8	8.5	8.2	8.4	8.5	6.8	7.5	7.3	6.9	7.0
27	8.1	7.6	8.0	8.6	8.2	8.3	8.1	6.6	7.3	7.1	6.9	7.0
28	8.0	7.5	7.6	9.2	8.2	8.7	8.2	6.7	7.6	7.3	7.0	7.0
29	8.0	7.5	7.6	9.1	8.6	8.8	7.4	6.6	6.9	7.4	7.0	7.1
30	---	---	---	8.9	8.4	8.6	7.4	6.8	7.0	7.7	7.0	7.2
31	---	---	---	8.5	8.2	8.3	---	---	---	7.3	7.0	7.1
MONTH	8.9	6.2	7.9	9.2	7.2	8.1	9.6	6.6	8.0	9.0	6.6	7.0

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.4	6.9	7.0	7.2	7.1	7.1	8.1	7.7	8.0	7.1	7.0	7.0
2	7.2	7.0	7.1	7.2	7.1	7.2	7.9	7.6	7.8	7.7	7.0	7.4
3	7.2	7.0	7.1	7.2	7.2	7.2	8.0	7.6	7.8	7.5	7.0	7.2
4	7.9	7.0	7.3	7.3	7.2	7.2	7.8	7.5	7.6	7.9	7.1	7.4
5	7.7	7.0	7.3	7.3	7.2	7.2	7.7	7.2	7.4	8.0	7.0	7.4
6	7.8	7.0	7.4	7.3	7.2	7.3	8.1	7.2	7.8	7.4	7.0	7.2
7	7.4	7.0	7.1	7.3	7.2	7.2	8.0	7.8	7.9	7.6	7.2	7.2
8	7.4	7.1	7.2	7.3	7.1	7.3	7.8	7.6	7.8	7.3	7.1	7.2
9	7.4	7.0	7.2	7.3	6.9	7.1	7.8	7.4	7.5	7.2	7.0	7.1
10	7.3	6.9	7.1	7.1	7.0	7.1	7.4	7.1	7.2	7.3	7.0	7.1
11	7.2	7.0	7.0	7.2	7.1	7.1	7.6	7.1	7.1	7.3	7.0	7.2
12	7.6	7.0	7.3	7.2	7.0	7.1	7.6	7.1	7.2	7.4	7.1	7.3
13	7.5	7.0	7.3	7.1	7.0	7.1	7.9	7.1	7.4	7.4	7.2	7.2
14	7.3	6.9	7.1	7.3	7.0	7.2	7.9	7.2	7.5	7.3	7.2	7.2
15	7.2	6.9	7.0	7.3	7.0	7.3	7.3	7.1	7.1	7.3	7.0	7.2
16	7.3	6.9	7.0	7.4	7.3	7.3	7.3	7.0	7.1	7.2	6.9	7.1
17	7.1	6.8	7.0	7.4	7.3	7.4	7.1	6.8	7.0	7.4	7.1	7.2
18	7.2	6.9	7.1	7.4	7.2	7.3	6.8	6.7	6.7	7.3	7.0	7.2
19	7.2	7.1	7.1	7.4	7.2	7.4	6.8	6.6	6.7	7.7	7.1	7.4
20	7.4	7.0	7.1	7.7	7.2	7.4	6.8	6.7	6.7	7.7	7.3	7.6
21	7.9	7.0	7.2	7.4	7.2	7.3	6.8	6.7	6.8	7.7	7.2	7.6
22	7.3	6.9	7.0	7.2	7.1	7.2	6.9	6.8	6.8	7.5	7.1	7.3
23	7.3	6.9	7.1	7.2	6.9	7.1	6.9	6.7	6.9	7.2	6.9	7.0
24	7.2	7.0	7.1	7.2	7.0	7.1	7.7	6.6	6.9	8.3	6.9	7.5
25	7.1	7.1	7.1	7.2	7.0	7.1	7.8	7.0	7.4	8.0	7.1	7.6
26	7.3	7.0	7.1	7.2	7.0	7.1	7.7	7.1	7.3	8.3	7.0	7.8
27	7.3	7.0	7.1	7.4	7.0	7.2	7.8	6.8	7.4	8.1	7.2	7.5
28	7.1	7.0	7.0	7.7	7.0	7.2	7.6	6.9	7.2	7.5	6.9	7.2
29	7.1	6.9	7.0	7.9	7.0	7.2	7.4	6.9	7.2	7.5	7.3	7.4
30	7.1	7.0	7.0	8.0	7.0	7.3	7.2	7.0	7.1	7.9	7.4	7.7
31	---	---	---	8.1	7.7	7.9	7.2	7.0	7.1	---	---	---
MONTH	7.9	6.8	7.1	8.1	6.9	7.2	8.1	6.6	7.3	8.3	6.9	7.3

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.1	22.2	22.6	18.5	17.6	18.0	12.4	11.7	12.0	8.8	8.1	8.4
2	22.6	21.5	21.9	18.7	17.3	17.9	11.7	10.7	11.2	9.0	8.2	8.6
3	21.5	20.2	20.8	19.8	18.1	18.5	10.7	9.4	9.9	10.2	8.4	9.2
4	21.2	19.8	20.5	19.9	17.5	18.7	9.4	8.9	9.1	10.9	9.4	10.1
5	21.5	20.2	20.7	19.7	18.1	19.1	9.3	8.8	9.0	10.7	10.0	10.5
6	21.8	20.6	21.0	19.6	18.7	19.2	8.9	8.2	8.7	12.5	10.7	11.7
7	21.7	21.1	21.3	20.0	19.2	19.6	8.4	7.7	8.0	10.9	8.1	9.2
8	21.3	21.0	21.2	19.7	18.2	18.9	8.1	7.1	7.4	8.3	7.3	7.7
9	21.2	20.8	21.0	18.2	16.0	17.1	7.8	7.2	7.5	7.3	6.4	6.8
10	21.4	21.0	21.2	16.3	15.6	16.0	9.3	7.6	8.2	6.8	5.4	6.2
11	21.3	20.8	21.0	16.5	15.5	15.8	9.6	9.0	9.3	5.4	4.0	4.8
12	21.6	20.6	21.0	16.7	15.6	16.1	9.3	8.7	9.0	5.8	4.0	4.9
13	21.7	20.6	21.2	17.1	15.5	16.5	9.0	8.6	8.8	6.1	4.7	5.4
14	21.5	21.0	21.2	15.5	13.5	14.4	9.1	8.7	8.9	6.2	5.3	5.7
15	21.2	19.7	20.7	13.6	13.0	13.3	8.8	8.2	8.5	6.2	5.7	5.9
16	20.1	18.9	19.4	14.9	13.2	13.5	8.9	8.0	8.5	6.0	5.4	5.7
17	21.3	18.8	19.5	13.7	13.1	13.3	9.6	8.5	9.1	6.0	5.0	5.4
18	20.2	18.9	19.4	14.9	13.3	14.0	9.0	8.2	8.5	7.2	5.4	6.4
19	20.3	18.2	18.8	15.5	14.1	14.8	8.3	7.6	8.1	7.1	6.5	6.8
20	19.8	18.2	18.8	15.2	14.4	14.9	7.7	6.9	7.4	6.6	5.6	6.1
21	19.8	18.1	19.1	14.7	14.1	14.2	7.0	6.3	6.7	5.9	5.0	5.5
22	19.7	18.8	19.3	15.6	14.2	14.6	6.6	5.7	6.2	6.2	5.0	5.7
23	18.8	17.7	18.1	17.3	14.5	15.5	7.4	6.1	6.7	5.8	5.2	5.4
24	17.8	17.1	17.4	16.4	15.1	15.9	8.4	7.4	8.0	5.8	4.9	5.4
25	17.3	16.8	17.0	16.2	14.5	15.4	8.1	7.6	7.8	5.7	4.8	5.1
26	18.1	17.0	17.2	14.6	14.0	14.3	7.7	7.0	7.3	4.8	4.2	4.4
27	18.2	17.3	17.8	14.4	13.9	14.1	7.6	6.8	7.2	4.3	4.1	4.2
28	18.2	18.1	18.2	15.8	14.0	14.8	7.6	6.6	7.1	4.2	3.8	3.9
29	18.7	18.0	18.2	14.9	12.5	13.8	7.6	7.1	7.2	4.3	3.3	3.8
30	18.3	17.7	18.0	13.0	11.8	12.3	9.3	7.3	8.5	4.6	3.8	4.2
31	18.9	17.3	17.9	---	---	---	9.0	8.1	8.5	4.3	3.6	3.9
MONTH	23.1	16.8	19.7	20.0	11.8	15.8	12.4	5.7	8.3	12.5	3.3	6.4
		FEBRUARY			MARCH			APRIL			MAY	
1	3.8	3.0	3.5	9.3	7.3	8.3	14.5	13.6	14.0	21.4	20.8	21.0
2	4.1	3.1	3.6	11.1	9.2	10.1	13.6	13.0	13.4	22.0	20.9	21.5
3	5.2	3.5	4.5	12.3	10.3	11.1	13.6	12.7	13.2	21.9	20.8	21.6
4	5.9	4.5	5.2	13.6	11.7	12.7	13.9	13.1	13.5	20.8	19.7	20.3
5	6.1	5.0	5.6	15.1	13.4	14.3	13.4	12.5	12.9	21.4	20.0	20.5
6	8.5	5.7	6.7	15.6	13.1	14.4	13.6	12.0	12.6	23.1	19.6	20.9
7	9.4	8.5	9.0	16.1	15.1	15.6	15.1	12.6	13.5	24.4	21.4	22.3
8	9.0	7.8	8.4	15.5	12.8	13.7	15.1	13.4	14.4	23.6	22.3	22.9
9	8.3	7.5	7.8	13.8	12.7	13.1	16.4	14.7	15.3	25.7	22.7	23.7
10	8.8	7.9	8.2	12.7	11.0	11.9	16.5	15.4	15.9	25.2	23.4	24.2
11	9.1	8.3	8.7	11.7	10.3	11.0	17.6	16.4	17.0	24.6	22.5	23.3
12	9.0	8.2	8.6	12.4	10.1	11.2	17.3	16.9	17.0	24.9	23.4	24.0
13	9.4	7.9	8.5	12.5	11.2	11.8	18.6	17.3	17.9	25.0	23.3	24.2
14	8.9	8.4	8.6	12.3	11.4	11.8	18.3	16.8	17.6	25.2	23.7	24.4
15	8.7	8.2	8.6	13.4	11.5	12.2	16.8	15.9	16.4	24.7	22.1	23.8
16	8.2	6.8	7.5	13.6	12.4	13.0	17.8	15.7	16.3	25.1	22.1	23.6
17	6.9	6.5	6.6	13.2	12.3	12.7	18.5	16.5	17.3	26.1	23.6	25.0
18	6.8	6.2	6.5	13.0	11.7	12.4	18.9	17.0	17.9	26.5	25.2	25.6
19	7.5	6.0	6.7	13.4	12.4	12.8	20.0	17.9	18.9	25.7	23.1	24.7
20	8.1	6.9	7.5	13.8	12.1	12.9	21.8	18.8	19.7	24.9	22.0	23.9
21	9.1	7.7	8.3	14.0	13.1	13.7	21.0	19.9	20.5	25.0	22.3	23.6
22	9.4	8.3	8.8	13.1	12.1	12.6	21.6	19.9	20.7	25.9	22.5	23.4
23	9.6	8.6	9.1	12.6	11.4	11.8	22.7	20.6	21.5	26.4	23.0	24.3
24	9.3	9.0	9.2	13.4	11.9	12.7	22.3	21.0	21.5	26.0	24.3	24.8
25	9.2	8.7	8.9	14.2	12.8	13.4	21.4	20.7	21.0	26.6	24.1	25.0
26	8.8	7.8	8.2	15.7	13.8	14.5	22.7	21.2	21.9	28.0	24.3	25.5
27	7.8	7.0	7.4	16.0	14.4	15.3	22.3	20.9	21.6	27.6	25.3	26.6
28	7.9	6.5	7.0	15.7	14.7	15.4	21.0	19.5	20.1	27.6	25.9	26.7
29	8.5	6.7	7.4	14.7	13.9	14.3	21.2	19.7	20.3	27.7	25.9	26.9
30	---	---	---	14.6	13.5	13.9	21.8	19.7	20.7	26.8	25.3	25.8
31	---	---	---	15.0	13.9	14.3	---	---	---	26.3	25.0	25.6
MONTH	9.6	3.0	7.4	16.1	7.3	12.9	22.7	12.0	17.5	28.0	19.6	23.9

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.2	25.6	26.3	28.7	28.0	28.5	29.6	28.5	29.0	27.7	26.6	27.0
2	27.5	25.9	26.5	29.5	27.1	28.0	29.6	28.8	29.2	26.6	25.8	26.3
3	30.4	25.6	26.7	28.5	27.4	27.9	28.9	28.1	28.6	27.3	25.6	26.1
4	27.6	26.5	27.1	30.3	27.5	28.9	28.5	27.7	28.1	27.5	25.8	26.4
5	28.4	26.3	27.0	30.3	28.1	29.1	29.4	27.8	28.3	27.4	26.2	26.7
6	28.0	26.8	27.2	30.8	27.9	29.3	28.9	26.8	27.8	27.0	26.5	26.7
7	28.4	26.9	27.4	30.5	28.6	29.2	27.5	25.7	26.6	26.5	26.1	26.3
8	28.1	27.1	27.5	29.9	28.4	29.1	27.1	25.7	26.7	26.6	26.2	26.4
9	28.0	27.4	27.7	29.3	28.2	28.5	27.3	25.4	26.5	26.6	25.7	26.2
10	28.0	26.0	27.1	29.9	28.4	29.1	28.5	26.7	27.6	26.7	26.1	26.4
11	28.2	25.9	26.9	30.3	29.1	29.8	28.3	27.4	28.0	26.3	25.8	26.0
12	27.7	25.9	26.5	29.7	28.6	29.4	28.2	27.2	27.7	26.0	25.2	25.6
13	26.6	25.1	25.8	29.6	28.3	28.9	27.5	26.8	27.1	25.6	24.9	25.2
14	26.4	25.3	25.9	29.3	27.8	28.3	27.2	26.2	26.6	25.1	24.5	24.7
15	26.9	25.1	26.1	30.0	27.6	28.7	26.3	25.2	25.6	25.4	24.4	24.7
16	27.2	25.7	26.5	29.4	28.1	28.7	26.4	25.0	25.6	25.9	24.8	25.2
17	27.6	25.9	26.8	29.6	28.3	28.8	27.0	25.4	26.2	26.1	25.2	25.6
18	27.8	26.1	26.9	29.4	28.2	28.6	27.7	26.0	26.7	25.4	24.2	24.9
19	28.8	26.5	27.1	29.3	27.6	28.2	27.2	25.8	26.8	24.2	22.9	23.5
20	28.7	27.2	27.9	28.8	27.6	28.0	27.3	26.0	26.5	23.2	21.8	22.2
21	28.6	26.3	27.2	29.8	27.8	28.3	27.6	26.1	26.9	22.5	21.2	21.9
22	28.3	26.9	27.7	29.9	28.4	29.0	27.2	26.5	26.8	23.0	21.8	22.1
23	29.0	27.0	27.6	29.4	28.4	28.8	26.8	25.6	26.3	24.6	22.1	23.0
24	28.7	27.6	28.1	29.9	28.2	28.9	26.7	25.4	26.1	24.1	22.9	23.4
25	28.7	27.8	28.2	29.0	28.5	28.7	26.7	25.4	25.9	23.9	22.6	23.3
26	27.9	26.7	27.4	30.3	28.5	29.1	26.2	25.7	25.9	23.7	22.9	23.3
27	27.8	26.4	27.2	30.2	29.3	29.8	26.9	25.8	26.3	24.2	23.2	23.7
28	28.8	27.6	28.1	29.8	28.6	29.0	27.6	26.1	26.6	24.5	23.8	24.0
29	28.9	27.3	27.8	28.7	27.8	28.3	27.4	26.4	26.9	25.8	23.8	24.3
30	29.1	28.1	28.4	29.1	28.0	28.6	27.2	26.5	26.9	25.6	24.4	24.7
31	---	---	---	29.2	28.3	28.7	28.3	26.8	27.2	---	---	---
MONTH	30.4	25.1	27.2	30.8	27.1	28.8	29.6	25.0	27.0	27.7	21.2	24.9

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.9	22.2	22.5	18.3	17.8	18.1	12.7	11.5	12.1	8.9	8.7	8.8
2	22.7	21.4	22.0	18.4	18.1	18.3	11.6	10.7	11.0	9.1	8.8	9.0
3	21.4	20.4	20.8	18.4	18.0	18.3	10.8	9.2	9.8	9.2	8.9	9.1
4	21.6	20.6	21.0	18.4	17.8	18.1	9.3	8.7	9.1	9.1	8.9	9.0
5	21.6	20.0	21.0	18.4	17.9	18.1	9.3	8.7	9.0	10.7	8.9	9.7
6	21.3	20.8	21.2	18.6	17.9	18.3	9.3	8.4	8.8	11.8	10.1	11.2
7	21.3	21.1	21.2	19.0	18.5	18.6	8.6	7.6	8.2	10.8	8.7	9.3
8	21.3	21.1	21.2	19.1	18.4	18.7	8.1	7.0	7.7	9.5	8.0	8.9
9	21.2	20.9	21.0	18.4	16.4	17.2	8.8	7.8	8.1	9.6	6.4	8.1
10	21.4	20.9	21.2	16.5	15.8	16.0	9.1	8.0	8.6	6.9	5.5	6.3
11	21.3	20.9	21.1	17.7	15.9	16.5	9.4	8.9	9.2	5.7	4.7	5.3
12	21.0	20.6	20.8	17.9	16.7	17.3	9.5	9.0	9.2	6.2	5.0	5.7
13	21.3	20.8	21.1	17.1	15.5	16.6	9.4	8.6	8.9	6.1	5.4	5.7
14	21.4	21.0	21.1	15.5	13.6	14.5	8.8	8.6	8.6	6.1	5.4	5.8
15	21.2	20.2	20.7	13.6	13.0	13.3	8.6	8.0	8.4	6.2	5.8	6.0
16	20.2	19.1	19.6	14.0	13.4	13.6	9.0	8.6	8.7	6.0	5.5	5.8
17	20.0	18.6	19.3	14.6	13.6	14.1	9.6	8.7	9.1	5.8	5.2	5.4
18	19.5	18.8	19.2	14.8	14.6	14.7	9.3	8.5	8.8	7.2	5.4	6.2
19	18.8	18.4	18.5	15.3	14.1	14.7	9.3	8.8	9.1	7.1	6.6	6.8
20	19.6	18.4	19.1	15.1	14.3	14.7	9.3	7.3	8.4	6.8	5.8	6.2
21	19.9	19.1	19.6	14.8	14.0	14.4	8.5	6.5	7.4	5.8	5.2	5.5
22	19.8	18.8	19.4	15.2	14.4	14.9	8.8	7.2	8.0	5.8	5.5	5.7
23	18.8	17.3	17.9	15.2	15.2	15.2	8.4	7.0	7.8	5.8	5.3	5.6
24	18.1	17.1	17.5	15.3	15.2	15.2	8.8	7.3	8.1	5.9	5.0	5.5
25	17.3	16.8	17.0	15.5	14.8	15.2	9.0	7.7	8.6	5.8	4.8	5.1
26	17.5	17.0	17.2	15.2	14.5	14.9	9.0	8.6	8.8	4.9	4.3	4.5
27	17.8	17.3	17.6	15.1	15.0	15.1	8.9	8.2	8.4	4.5	4.2	4.3
28	18.2	17.6	17.9	15.6	14.8	15.2	8.2	8.0	8.2	4.2	3.9	4.0
29	18.1	17.9	18.0	14.9	13.1	13.8	8.3	8.0	8.2	4.2	3.4	3.9
30	18.0	17.3	17.8	13.5	12.3	13.1	8.7	8.1	8.5	4.4	4.0	4.2
31	18.1	17.5	17.8	---	---	---	8.7	8.5	8.6	4.3	3.6	3.8
MONTH	22.9	16.8	19.7	19.1	12.3	15.9	12.7	6.5	8.8	11.8	3.4	6.5
		FEBRUARY			MARCH			APRIL			MAY	
1	3.9	3.3	3.7	7.9	7.6	7.8	14.2	13.4	13.7	21.1	20.1	20.7
2	4.0	3.0	3.6	8.2	7.9	7.9	13.7	12.9	13.3	22.0	20.8	21.4
3	5.0	3.5	4.2	10.3	7.9	8.6	13.6	12.6	13.2	21.9	20.8	21.5
4	5.5	4.6	4.9	10.3	8.0	8.4	13.8	13.1	13.4	20.8	19.7	20.0
5	6.0	5.1	5.6	9.6	8.2	8.7	13.4	12.4	12.8	20.5	19.8	20.0
6	8.4	5.6	6.5	14.2	8.8	11.2	12.9	12.0	12.6	20.2	19.4	19.8
7	9.1	8.2	8.7	15.7	11.0	12.6	12.9	12.8	12.9	20.1	19.7	19.8
8	8.8	7.8	8.2	15.5	12.8	13.7	14.1	12.9	13.3	23.5	19.7	20.8
9	8.4	7.6	8.0	13.0	12.1	12.7	15.7	13.5	14.0	23.0	20.8	22.1
10	8.2	7.8	8.0	12.7	11.0	11.9	16.4	14.5	15.6	22.0	20.8	21.3
11	8.2	8.0	8.0	11.0	10.5	10.8	17.5	16.3	16.8	21.7	20.9	21.1
12	8.6	8.0	8.3	11.2	10.4	10.9	17.3	16.7	16.9	21.6	20.9	21.1
13	8.8	7.9	8.1	12.0	11.0	11.5	18.5	17.1	17.7	21.3	20.9	21.0
14	8.1	7.9	8.0	12.4	11.3	11.9	18.3	16.8	17.6	21.1	20.7	20.8
15	8.6	8.0	8.3	12.2	11.8	11.9	16.8	15.9	16.3	21.2	20.7	20.9
16	8.1	6.8	7.3	13.0	11.9	12.0	16.2	16.0	16.1	21.2	20.8	21.0
17	7.1	6.4	6.7	13.0	12.4	12.8	17.4	16.0	16.2	21.5	20.9	21.1
18	6.9	6.1	6.5	12.7	11.4	11.8	17.5	16.2	16.4	21.5	20.9	21.1
19	6.9	6.6	6.8	13.3	11.7	12.5	19.7	16.4	17.1	21.7	21.0	21.2
20	8.0	6.9	7.1	13.6	12.2	12.6	19.3	16.7	17.1	22.1	21.0	21.6
21	9.0	7.5	8.2	14.0	13.1	13.6	18.3	16.7	17.1	22.2	21.6	22.0
22	9.5	8.3	8.9	13.1	12.2	12.6	21.4	17.3	19.4	23.2	22.0	22.3
23	9.7	8.9	9.3	12.4	11.4	11.8	20.3	17.8	19.1	24.2	22.2	22.8
24	9.4	9.0	9.2	12.1	11.7	11.8	21.4	17.5	18.9	24.7	22.6	23.5
25	9.2	8.8	9.0	12.3	11.9	12.1	21.3	20.4	20.9	24.8	23.5	23.9
26	9.0	7.8	8.4	12.6	12.1	12.3	22.6	19.7	21.0	24.5	23.5	23.9
27	7.9	7.1	7.5	13.0	12.3	12.5	21.7	19.6	20.9	24.9	24.1	24.5
28	7.5	6.6	6.9	15.4	12.2	13.8	20.8	19.5	19.8	26.4	24.6	25.0
29	7.7	7.1	7.4	14.6	13.8	14.2	20.1	19.5	19.7	26.7	25.2	25.7
30	---	---	---	13.9	13.0	13.4	20.4	20.0	20.3	26.5	25.4	25.8
31	---	---	---	13.5	12.9	13.1	---	---	---	25.9	25.4	25.5
MONTH	9.7	3.0	7.3	15.7	7.6	11.7	22.6	12.0	16.7	26.7	19.4	22.0

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	25.8	25.4	25.5	27.4	27.1	27.2	29.4	28.5	28.9	27.3	27.0	27.1
2	25.8	25.4	25.6	28.0	27.0	27.3	29.5	29.0	29.1	27.0	25.8	26.3
3	25.9	25.4	25.6	27.6	27.3	27.4	29.0	28.3	28.5	26.3	25.6	26.0
4	27.3	25.4	26.2	27.5	27.1	27.4	28.4	28.2	28.3	26.6	25.8	26.2
5	27.1	26.2	26.6	27.8	27.1	27.5	28.5	28.0	28.3	26.8	26.2	26.4
6	27.1	26.4	26.7	27.8	27.5	27.7	28.5	27.0	27.8	27.0	26.6	26.7
7	26.7	26.2	26.4	27.8	27.5	27.6	27.1	26.2	26.6	26.6	26.1	26.3
8	26.6	26.0	26.3	27.8	27.4	27.5	27.4	26.8	27.1	26.6	26.1	26.3
9	26.7	26.0	26.3	28.1	27.4	27.7	27.3	27.0	27.1	26.4	25.7	26.1
10	26.6	26.0	26.2	28.3	27.7	27.8	27.2	27.0	27.1	26.7	26.1	26.3
11	26.5	25.8	26.1	28.1	27.7	27.8	27.6	27.0	27.2	26.5	25.7	26.0
12	26.6	25.9	26.3	28.3	27.6	27.9	27.8	27.1	27.3	25.9	25.1	25.6
13	25.9	25.2	25.5	28.2	27.6	27.8	27.5	27.0	27.2	25.6	24.9	25.2
14	26.1	25.7	25.9	28.3	27.6	28.1	27.2	26.5	26.9	25.1	24.5	24.7
15	25.9	25.6	25.8	28.4	27.5	28.1	26.6	26.0	26.4	24.7	24.4	24.5
16	26.2	25.6	25.9	28.5	28.1	28.4	26.3	25.8	26.0	25.3	24.4	24.6
17	26.4	25.8	26.1	28.6	28.3	28.5	26.1	25.9	26.0	26.0	24.8	25.5
18	26.5	26.0	26.2	28.4	28.1	28.3	26.2	26.0	26.0	25.4	24.1	24.8
19	26.4	26.0	26.3	28.3	28.2	28.3	26.1	25.9	26.0	24.1	23.1	23.5
20	27.1	26.2	26.5	28.3	28.0	28.2	26.0	25.9	25.9	23.8	21.8	22.5
21	27.3	26.4	27.0	28.2	28.0	28.1	26.0	25.9	25.9	22.5	21.3	21.6
22	27.5	26.5	26.8	28.4	27.8	28.0	26.3	25.9	26.1	22.7	22.0	22.3
23	27.4	26.2	26.7	28.6	27.9	28.1	26.6	26.1	26.3	22.7	22.4	22.6
24	27.0	26.5	26.8	28.5	27.8	28.1	26.5	26.1	26.3	23.7	22.5	23.0
25	27.1	26.7	27.0	28.6	27.8	28.1	26.3	25.3	25.9	23.8	22.8	23.2
26	27.2	26.4	26.9	28.8	28.0	28.3	26.4	25.7	26.0	23.9	23.0	23.4
27	27.3	27.0	27.2	29.3	28.0	28.5	26.9	25.8	26.3	23.6	23.2	23.4
28	27.7	27.0	27.2	29.1	28.3	28.7	27.0	26.1	26.6	24.5	23.4	23.8
29	27.7	27.3	27.4	28.5	27.9	28.3	27.3	26.3	26.7	24.1	23.7	23.9
30	27.5	27.2	27.3	28.8	28.0	28.3	27.2	26.5	26.9	24.9	23.9	24.6
31	---	---	---	29.2	28.2	28.8	27.2	26.8	27.0	---	---	---
MONTH	27.7	25.2	26.4	29.3	27.0	28.0	29.5	25.3	26.9	27.3	21.3	24.7

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	9.6	4.7	7.5	10.3	6.1	8.0	9.9	8.7	9.4	10.2	9.7	9.9
2	8.9	4.5	7.4	8.0	6.0	7.1	10.0	9.4	9.7	10.5	10.1	10.3
3	9.7	7.1	8.1	9.5	7.2	8.0	10.5	9.8	10.2	10.8	8.5	10.2
4	9.9	7.7	8.5	7.8	5.5	6.6	10.7	10.3	10.4	10.1	5.5	7.7
5	9.2	7.0	8.2	7.1	4.6	6.2	10.8	10.4	10.6	7.0	4.5	5.6
6	10.7	8.2	9.0	6.1	4.5	5.7	11.0	10.6	10.7	8.9	5.8	8.2
7	10.0	8.3	9.1	5.6	4.7	5.2	11.2	10.9	11.1	10.2	8.4	9.2
8	8.8	6.4	7.6	6.3	5.4	5.9	11.8	11.1	11.3	11.2	9.6	10.3
9	7.1	6.1	6.7	6.8	6.0	6.5	11.9	11.4	11.7	11.1	10.6	10.9
10	7.6	6.6	7.1	7.0	6.3	6.7	12.2	10.9	11.6	11.2	10.5	10.8
11	7.2	6.6	6.9	7.1	6.5	6.8	11.2	10.8	11.0	12.2	10.9	11.5
12	8.2	6.6	7.4	7.0	6.3	6.7	11.2	10.9	11.1	12.7	11.3	12.0
13	9.1	7.3	8.2	6.7	5.0	6.0	11.6	11.2	11.4	12.6	11.9	12.3
14	8.9	7.0	8.0	7.0	5.9	6.5	11.6	11.2	11.3	13.0	12.0	12.5
15	8.2	7.1	7.5	7.3	6.7	7.0	11.5	11.1	11.3	12.9	11.9	12.2
16	9.1	7.5	7.9	8.2	6.7	7.1	11.5	9.4	10.4	12.5	11.9	12.2
17	12.8	8.1	9.8	7.4	5.4	6.7	9.6	8.4	9.0	14.2	12.1	13.0
18	12.3	7.0	9.8	9.0	5.6	7.6	9.4	8.7	9.1	13.7	11.9	13.0
19	13.7	6.6	9.9	8.3	6.6	7.6	9.7	8.8	9.2	13.2	11.9	12.5
20	12.4	8.5	9.9	8.5	7.8	8.2	10.0	9.5	9.8	12.8	12.3	12.6
21	10.5	6.6	8.6	8.7	8.2	8.5	10.2	9.8	10	14.9	12.5	13.5
22	8.6	6.3	7.7	11.3	8.2	9.3	10.1	9.7	10	14.9	13.2	13.8
23	11.3	8.0	9.5	11.8	8.7	10.0	10.3	9.9	10.1	13.8	12.8	13.1
24	10.8	9.0	9.8	11.0	9.1	10.0	10.2	9.6	9.9	13.2	12.5	12.9
25	10.7	9.2	9.8	9.7	7.9	8.6	9.8	9.3	9.6	13.0	12.5	12.7
26	11.3	7.7	9.1	9.2	8.2	8.6	10.0	9.3	9.7	13.1	12.3	12.8
27	10.1	7.0	8.5	9.9	8.8	9.0	10.3	9.7	10.0	13.8	12.5	13.0
28	8.9	7.6	8.2	9.7	7.9	9.1	10.4	9.8	10.1	13.3	12.6	13.0
29	9.4	6.8	8.4	9.1	7.0	8.3	10.4	9.6	10.1	14.5	12.4	13.0
30	10.2	8.5	9.3	9.9	8.7	9.3	10.6	7.7	9.7	14.2	11.4	12.7
31	11.0	9.1	9.8	---	---	---	9.8	9.4	9.6	12.6	11.4	11.8
MONTH	13.7	4.5	8.5	11.8	4.5	7.6	12.2	7.7	10.3	14.9	4.5	11.6
		FEBRUARY			MARCH			APRIL			MAY	
1	13.0	11.8	12.3	11.9	11.1	11.6	10.9	9.3	9.9	9.0	7.5	8.2
2	12.9	11.9	12.5	11.8	10.0	10.8	10.9	9.4	10.2	8.4	7.3	7.8
3	12.8	11.7	12.4	11.2	10.2	10.7	11.3	10.2	10.8	8.0	6.9	7.5
4	13.6	12.4	12.9	11.2	9.8	10.4	10.7	9.6	10.4	9.5	6.6	7.9
5	13.6	12.0	12.9	10.2	9.3	9.8	10.1	9.6	9.8	9.1	6.8	7.6
6	13.5	11.1	12.5	9.3	7.1	8.4	11.5	9.5	10.3	11.0	6.3	8.3
7	11.3	10.3	10.9	10.0	8.4	9.3	12.4	9.9	11.0	9.9	7.0	8.9
8	12.3	10.2	11.0	8.8	7.7	8.2	11.7	9.7	10.6	10.8	8.1	9.4
9	13.3	11.0	11.8	9.4	8.1	9.1	12.9	9.7	10.9	11.9	8.4	9.9
10	13.9	11.7	12.4	9.9	8.9	9.4	11.7	10.4	10.9	10.9	7.4	9.5
11	13.6	12.3	12.9	10.2	9.8	10.0	10.6	9.2	10.1	8.1	5.7	7.1
12	13.5	11.5	12.4	10.4	9.2	9.8	9.7	8.5	9.0	7.5	5.8	6.5
13	13.9	10.6	12.1	10.9	9.8	10.3	9.2	8.3	8.7	7.5	5.9	6.6
14	13.6	11.8	12.5	11.8	10.3	10.9	9.6	7.9	8.7	7.1	4.4	6.4
15	12.5	10.9	11.9	12.4	10.4	11.3	9.6	8.5	9.1	7.2	0.5	4.8
16	11.6	10.4	10.9	12.3	10.9	11.4	11.8	8.5	9.4	7.2	0.8	5.1
17	11.3	10.5	10.9	11.2	10.5	10.8	10.6	8.2	9.5	9.2	3.4	7.5
18	11.7	10.6	11.1	11.8	9.9	11.0	9.8	8.0	8.7	9.4	7.8	8.5
19	12.9	10.9	11.9	10.9	10.1	10.5	9.0	7.5	8.4	8.4	1.5	6.1
20	15.6	11.1	12.6	11.4	9.6	10.5	11.2	7.3	8.6	6.9	0.1	4.6
21	12.7	10.1	11.2	10.7	9.2	9.9	9.0	7.9	8.3	8.8	0.3	4.0
22	14.2	11.3	12.5	10.9	9.3	9.8	9.8	7.8	8.7	6.5	1.5	4.0
23	13.5	11.1	12.4	11.4	9.3	10	10.5	8.4	9.3	8.5	3.3	5.5
24	12.5	11.0	11.5	12.2	10.4	10.9	10.7	7.6	9.0	8.0	4.9	5.8
25	11.3	10.8	11.0	13.4	10.2	11.6	10.9	8.6	9.4	8.6	5.5	6.9
26	11.4	10.7	11.1	13.4	11.6	12.2	9.7	8.3	9.0	9.7	4.6	7.1
27	11.8	10.9	11.3	11.8	10.6	11.2	10.2	8.0	9.0	8.8	5.6	7.6
28	11.6	11.1	11.4	10.7	9.2	10.2	10.7	8.3	9.3	7.9	4.4	6.1
29	12.2	11.3	11.8	10.1	9.0	9.6	11.0	8.8	9.9	8.0	6.2	7.1
30	---	---	---	11.4	9.2	9.9	9.7	8.3	9.2	7.0	6.1	6.5
31	---	---	---	11.4	9.7	10.5	---	---	---	7.0	6.1	6.6
MONTH	15.6	10.1	11.9	13.4	7.1	10.3	12.9	7.3	9.5	11.9	0.1	6.9

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.7	6.1	6.8	8.9	2.1	7.0	---	---	---	6.0	3.9	5.1
2	8.8	6.3	7.1	11.4	3.6	6.1	---	---	---	5.9	4.8	5.4
3	9.6	4.9	6.8	7.5	2.0	3.9	---	---	---	6.8	4.7	5.3
4	6.9	4.4	6.1	---	---	---	---	---	---	7.1	5.2	5.9
5	8.1	5.5	6.3	---	---	---	---	---	---	7.9	5.3	6.4
6	10.1	6.5	7.3	---	---	---	---	---	---	7.6	5.8	6.6
7	9.5	6.0	7.5	---	---	---	---	---	---	7.9	5.4	6.7
8	7.9	4.4	7.0	---	---	---	---	---	---	7.7	5.9	6.6
9	8.7	4.8	6.7	---	---	---	---	---	---	7.7	5.2	6.9
10	5.3	2.5	4.1	6.7	0.5	4.3	---	---	---	7.4	4.3	6.3
11	8.9	2.1	4.9	7.9	1.3	5.0	---	---	---	6.4	5.5	5.9
12	---	---	---	9.0	2.2	6.0	---	---	---	6.8	5.8	6.2
13	---	---	---	7.4	0.1	3.3	7.3	4.7	5.8	6.8	5.9	6.3
14	---	---	---	6.2	0.1	2.6	6.1	3.9	5.2	6.6	6.0	6.3
15	---	---	---	7.3	0.4	4.6	6.2	4.0	4.9	6.8	5.9	6.4
16	---	---	---	7.3	1.5	6.2	6.3	3.6	5.0	7.6	5.6	6.3
17	---	---	---	10.0	4.3	6.2	7.7	4.8	5.8	6.6	5.4	6.2
18	---	---	---	8.0	4.1	6.0	9.6	6.4	7.5	6.3	5.2	5.7
19	---	---	---	10.7	3.1	5.6	7.6	3.6	5.8	6.6	5.9	6.3
20	---	---	---	7.2	4.9	6.1	5.5	1.0	3.7	7.3	6.3	6.8
21	---	---	---	8.8	5.4	6.7	6.2	0.9	4.6	8.0	6.7	7.4
22	---	---	---	8.3	3.8	6.5	6.7	0.8	5.7	8.9	7.1	7.9
23	---	---	---	6.0	1.4	4.0	8.0	5.8	6.5	9.6	7.7	8.5
24	---	---	---	7.6	4.5	6.2	8.1	6.4	7.2	9.2	8.1	8.5
25	8.0	3.3	5.8	7.8	5.0	5.8	8.2	6.6	7.1	9.0	7.3	8.0
26	7.1	2.7	5.0	8.3	4.4	6.2	7.0	6.0	6.5	8.8	7.6	8.1
27	9.6	4.2	7.0	7.2	4.8	6.4	7.9	5.8	6.6	8.2	7.4	7.9
28	8.6	5.4	6.9	6.5	4.9	5.6	7.6	4.5	6.7	8.0	6.4	7.0
29	11.3	6.2	7.9	6.2	4.8	5.5	7.3	4.6	6.3	9.7	6.6	7.6
30	10.9	6.8	8.6	6.3	5.1	5.8	7.1	5.4	6.1	9.0	7.0	7.6
31	---	---	---	---	---	---	7.4	4.1	5.6	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	9.7	3.9	6.7

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.0	5.6	6.7	9.1	1.8	4.9	9.6	7.5	8.6	5.2	4.0	4.7
2	8.2	5.5	7.1	4.1	1.4	2.3	10.1	9.4	9.8	5.2	3.3	3.9
3	8.1	5.6	7.1	7.0	1.5	3.2	10.6	9.8	10.2	5.2	3.1	3.5
4	6.8	3.8	5.2	4.4	0.9	2.3	10.8	10.1	10.5	3.6	3.2	3.4
5	7.2	2.1	3.9	4.1	1.1	2.2	10.7	10.1	10.4	6.4	2.9	4.1
6	3.5	0.9	1.6	3.7	0.6	1.7	11.0	10.0	10.6	8.6	5.0	6.8
7	1.9	0.3	0.9	1.6	0.5	0.8	11.1	10.4	10.8	10.8	5.6	9.3
8	6.6	0.3	3.2	7.7	0.7	4.8	11.2	10.3	10.9	10.7	5.3	9.0
9	6.7	4.0	5.7	8.7	6.6	8.0	10.8	9.0	10.1	11.1	5.5	8.7
10	6.9	6.1	6.5	9.2	8.0	8.7	11.2	7.6	9.7	11.6	10.3	11.1
11	6.4	5.4	6.0	9.2	3.6	7.2	11.1	10.6	10.9	12.0	10.9	11.4
12	6.2	4.8	5.7	8.7	3.3	5.3	11.2	10.2	10.6	12.4	10.3	11.6
13	6.4	4.8	5.6	9.3	6.3	8.7	11.4	9.8	10.9	12.8	11.4	12.1
14	8.1	5.3	7.3	10.4	8.9	9.7	11.4	10.5	11.1	13.1	11.3	12.4
15	8.1	7.1	7.5	10.9	9.5	10.3	11.3	11.1	11.2	12.9	12.1	12.4
16	7.5	5.6	6.8	10.3	8.8	9.7	11.2	8.8	10.2	12.8	12.1	12.4
17	7.1	4.8	5.8	10.3	7.3	8.6	9.7	8.4	9.1	13.4	11.7	12.5
18	8.6	4.6	7.5	7.5	4.1	5.8	9.7	8.9	9.4	13.3	10.9	12.1
19	8.3	6.6	7.4	8.2	3.9	6.5	9.2	6.8	7.7	13.3	12.2	12.6
20	6.8	2.0	3.9	8.6	7.5	8.2	10.2	6.6	7.8	13.0	12.4	12.8
21	6.2	2.3	3.5	8.6	6.8	8.0	10.2	5.5	8.3	14.2	12.3	12.9
22	8.1	3.0	5.7	7.4	5.8	6.3	9.3	5.4	7.5	12.7	11.8	12.2
23	9.2	6.3	7.4	5.8	5.2	5.6	10.3	5.0	7.7	13.3	11.5	12.7
24	9.7	5.2	8.3	5.4	4.5	5.1	10.4	3.4	6.6	13.4	12.6	13.1
25	9.4	7.7	8.6	9.4	4.4	8.1	8.5	4.0	5.1	13.3	12.8	13.0
26	8.2	4.6	6.1	8.9	3.0	5.6	7.3	5.0	5.7	13.2	12.6	12.9
27	5.8	3.7	4.5	3.4	2.1	3.1	7.1	5.9	6.6	13.8	12.6	13.1
28	8.4	3.2	5.9	8.6	2.1	4.4	7.1	6.6	6.9	13.6	12.8	13.2
29	8.0	3.4	6.8	9.1	7.0	8.2	6.8	5.6	6.1	13.7	12.6	13.0
30	8.1	4.8	6.4	9.0	7.2	8.2	5.8	4.8	5.3	13.6	10.9	12.4
31	9.6	2.7	6.8	---	---	---	5.6	4.9	5.3	12.0	10.6	11.6
MONTH	9.7	0.3	5.9	10.9	0.5	6.0	11.4	3.4	8.8	14.2	2.9	10.5
		FEBRUARY			MARCH			APRIL			MAY	
1	12.8	10.7	11.6	10.8	7.3	8.7	9.5	5.2	7.3	7.6	3.4	5.6
2	12.8	10.5	11.8	7.5	5.1	6.3	10.0	8.6	9.2	7.8	6.0	7.2
3	12.7	11.1	12.0	8.3	3.6	5.7	10.2	8.7	9.5	7.5	6.0	6.8
4	12.9	9.1	11.6	6.3	3.3	4.4	9.5	8.4	9.2	7.4	2.7	6.1
5	13.4	11.8	12.6	4.4	2.0	3.4	9.1	8.5	8.8	6.3	2.8	4.4
6	12.9	10.4	11.8	7.4	2.1	4.6	9.1	6.3	8.0	6.9	1.7	3.2
7	11.0	9.9	10.6	8.3	3.3	5.0	6.4	4.2	5.2	3.2	0.4	1.2
8	11.2	10.0	10.4	8.1	6.9	7.6	5.8	3.0	4.2	10.8	0.2	3.2
9	12.2	9.0	10.8	8.4	5.6	7.5	9.9	2.5	4.4	9.5	1.0	5.5
10	11.8	4.4	8.8	9.3	8.1	8.7	10.1	2.3	8.4	4.4	0.3	1.8
11	10.2	3.7	5.0	9.4	7.1	8.5	9.8	7.7	9.0	1.6	0.1	0.3
12	12.2	3.4	8.7	8.7	6.6	7.7	9.0	7.3	8.4	0.3	0.0	0.1
13	12.7	1.4	10.3	9.8	6.6	8.6	8.8	7.3	8.1	0.1	0.0	0.1
14	6.9	1.3	2.6	11.3	8.6	10	9.0	7.7	8.3	0.1	0.0	0.1
15	11.9	0.8	6.5	10.9	8.2	9.8	9.2	8.0	8.6	0.1	0.0	0.0
16	10.8	7.4	9.8	9.6	6.6	7.8	8.8	6.6	7.8	0.1	0.0	0.0
17	10.9	8.6	10.1	9.9	9.1	9.6	7.5	3.7	5.4	0.1	0.0	0.0
18	11.2	9.7	10.5	10.0	2.1	4.5	6.7	3.7	4.9	0.0	0.0	0.0
19	10.5	8.3	9.5	10.3	1.5	6.7	8.6	2.9	4.8	0.0	0.0	0.0
20	10.6	6.5	8.0	9.9	7.9	9.2	7.8	1.8	4.0	1.0	0.0	0.1
21	11.8	6.1	9.7	10.1	8.8	9.4	4.9	2.0	3.1	0.2	0.0	0.1
22	13.4	9.8	11.5	10.0	8.9	9.4	8.7	1.9	5.4	2.6	0.0	0.3
23	12.8	9.7	11.7	9.6	8.0	8.8	7.4	0.6	3.9	4.7	0.0	0.8
24	11.9	10.2	10.8	8.3	6.3	7.4	8.6	0.2	3.3	5.4	0.0	1.5
25	10.7	10.2	10.4	7.0	4.9	5.9	9.6	4.2	8.1	5.3	0.1	2.3
26	10.8	10.0	10.5	5.9	3.8	5.0	8.6	2.8	6.3	4.7	0.0	1.3
27	11.1	10.2	10.6	7.6	3.8	4.8	8.2	1.0	5.7	2.0	0.0	0.6
28	10.8	10.0	10.5	8.7	3.8	6.5	8.2	2.6	6.9	3.6	0.0	0.3
29	10.5	7.9	9.8	9.0	7.5	8.4	7.1	0.9	3.8	5.1	0.0	0.7
30	---	---	---	8.6	6.5	7.4	7.5	3.3	5.2	5.9	0.4	3.2
31	---	---	---	7.3	5.0	6.0	---	---	---	3.9	0.7	2.3
MONTH	13.4	0.8	9.9	11.3	1.5	7.2	10.2	0.2	6.5	10.8	0.0	1.9

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	4.8	0.1	1.1	0.2	0.0	0.1	6.2	4.6	5.4	4.0	1.7	2.6
2	2.4	0.1	0.5	0.4	0.0	0.2	5.6	4.1	5.0	7.3	1.7	5.8
3	2.6	0.0	0.6	0.3	0.0	0.2	7.0	4.7	5.6	7.2	2.5	5.5
4	6.1	0.0	1.9	0.3	0.0	0.2	6.2	4.5	5.1	8.0	2.2	5.5
5	4.7	0.5	3.2	0.3	0.0	0.2	5.4	2.5	4.0	---	---	---
6	5.4	0.5	3.8	0.4	0.1	0.2	7.2	2.0	5.6	---	---	---
7	4.1	0.0	0.9	0.4	0.1	0.2	7.5	6.1	6.7	---	---	---
8	0.2	0.0	0.1	0.6	0.1	0.3	6.6	5.3	6.0	---	---	---
9	4.6	0.0	0.6	1.6	0.0	0.2	5.9	3.4	4.2	---	---	---
10	1.6	0.0	0.5	0.1	0.0	0.1	4.0	0.8	2.0	---	---	---
11	4.3	0.0	1.0	0.1	0.0	0.0	4.4	0.6	1.3	6.6	4.3	5.9
12	6.2	0.0	4.1	0.1	0.0	0.0	3.0	0.1	0.8	7.0	6.0	6.4
13	6.0	1.7	4.6	0.1	0.0	0.0	5.2	0.0	2.5	7.0	6.1	6.5
14	4.8	0.2	2.3	0.2	0.0	0.1	5.3	1.7	4.0	6.8	6.3	6.5
15	4.6	0.0	1.7	1.1	0.0	0.1	3.6	2.0	2.7	6.6	5.5	6.2
16	5.0	0.0	1.9	0.1	0.0	0.0	3.5	1.8	2.6	6.1	2.4	5.1
17	4.3	0.0	0.9	0.2	0.0	0.0	2.8	1.0	1.8	6.6	4.9	6.0
18	2.4	0.0	0.3	1.5	0.0	0.1	1.0	0.0	0.4	6.4	5.4	5.9
19	0.2	0.0	0.0	0.6	0.0	0.0	0.1	0.0	0.0	6.6	3.8	6.1
20	4.1	0.0	0.5	4.2	0.0	0.6	0.3	0.0	0.0	7.1	4.3	6.4
21	5.4	0.1	2.3	0.3	0.0	0.1	0.1	0.0	0.0	7.1	4.1	6.5
22	4.0	0.0	0.5	0.1	0.0	0.0	0.1	0.0	0.0	6.4	4.1	5.3
23	0.9	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	5.4	3.0	4.0
24	0.7	0.0	0.1	0.9	0.0	0.0	7.5	0.0	1.1	8.8	3.0	6.1
25	0.7	0.0	0.3	0.3	0.0	0.0	7.7	4.7	6.6	8.3	4.7	7.2
26	4.3	0.0	1.3	0.5	0.0	0.0	7.2	5.5	6.3	8.5	3.6	7.4
27	4.1	1.3	2.1	2.0	0.0	0.4	7.9	3.9	6.6	7.8	5.3	6.6
28	2.9	0.3	0.9	3.6	0.0	0.7	7.3	3.6	6.0	6.9	2.5	5.4
29	2.2	0.0	0.5	4.6	0.0	1.3	6.8	1.6	5.2	6.6	5.5	6.1
30	0.4	0.0	0.1	5.8	0.1	2.3	6.1	3.4	5.5	7.3	5.8	6.9
31	---	---	---	6.6	3.9	5.4	5.9	4.0	5.1	---	---	---
MONTH	6.2	0.0	1.3	6.6	0.0	0.4	7.9	0.0	3.5	---	---	---

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	112	54	86	110	64	84	92	81	88	88	83	85
2	102	52	85	86	63	76	92	86	89	91	87	89
3	108	80	90	104	77	86	92	88	90	95	75	89
4	112	85	94	86	58	71	93	89	91	91	48	69
5	105	78	92	78	49	67	94	91	92	63	40	51
6	122	92	101	67	48	61	94	91	92	82	52	75
7	114	94	103	61	51	56	95	92	94	88	75	80
8	100	72	86	67	59	63	99	92	94	94	81	87
9	80	68	75	70	63	67	100	95	98	91	87	89
10	86	74	80	71	64	68	102	95	99	90	85	88
11	81	74	77	73	65	68	98	94	96	94	86	90
12	93	74	83	72	63	68	97	94	96	100	88	94
13	104	82	92	69	51	61	100	96	98	100	94	97
14	101	79	90	69	59	64	100	97	98	105	95	100
15	92	79	84	70	64	67	99	95	97	104	96	98
16	100	81	86	81	64	69	99	81	89	100	95	97
17	144	87	107	71	52	64	82	74	78	114	96	103
18	136	76	107	88	54	74	80	75	78	109	98	105
19	152	71	106	82	64	76	82	74	78	109	97	103
20	136	92	106	85	78	81	84	79	81	104	99	101
21	113	72	93	86	81	83	84	80	82	119	99	108
22	93	69	84	113	81	91	83	79	81	119	104	110
23	120	85	101	123	86	101	85	80	83	111	102	104
24	114	94	103	112	92	102	86	81	84	106	98	102
25	111	95	102	99	79	87	83	78	81	103	98	100
26	120	81	95	91	80	84	84	78	81	101	95	99
27	107	73	89	97	85	88	86	80	83	106	96	100
28	95	81	88	95	79	90	86	82	84	102	96	99
29	101	72	89	87	69	80	86	79	84	111	93	99
30	109	90	98	93	83	87	89	66	83	108	88	97
31	119	96	104	---	---	---	85	80	83	97	87	90
MONTH	152	52	93	123	48	76	102	66	88	119	40	93
		FEBRUARY			MARCH			APRIL			MAY	
1	99	89	93	104	92	99	106	90	96	101	84	92
2	99	90	95	103	88	96	105	90	98	96	82	89
3	101	89	96	104	92	98	109	96	103	91	77	86
4	109	96	101	105	94	99	102	92	100	106	73	88
5	109	95	103	100	92	96	96	90	93	103	75	85
6	109	95	102	94	68	82	111	89	97	129	69	93
7	99	88	95	102	84	93	124	93	106	118	80	103
8	106	87	94	88	75	80	116	94	104	128	94	110
9	111	92	100	91	77	87	132	96	109	146	98	117
10	120	99	105	91	83	87	120	104	110	131	88	113
11	118	105	111	94	88	91	111	96	105	95	67	84
12	117	98	107	97	82	90	100	88	94	90	68	78
13	122	89	103	102	89	96	98	88	91	91	70	79
14	118	101	108	110	95	101	101	83	91	85	53	77
15	108	93	102	118	96	105	99	86	93	87	6	58
16	97	87	91	119	103	109	124	86	96	86	9	61
17	92	86	90	106	99	102	111	86	99	114	40	91
18	96	86	91	112	92	103	105	83	92	117	95	104
19	107	88	97	104	95	99	99	82	90	103	18	74
20	129	94	105	110	89	99	128	79	94	84	1	55
21	110	85	96	104	88	96	101	87	93	107	3	47
22	124	97	108	104	87	93	111	86	97	80	17	48
23	119	96	108	107	85	92	122	94	105	105	39	66
24	109	96	100	117	96	103	123	86	102	99	59	71
25	98	93	95	131	97	111	124	96	106	106	66	84
26	98	91	95	131	115	120	112	94	103	124	56	87
27	98	92	94	118	105	112	117	91	103	112	68	95
28	97	90	94	107	91	102	120	91	103	100	54	76
29	103	94	98	99	88	94	123	97	110	102	78	89
30	---	---	---	112	88	96	109	93	103	86	75	80
31	---	---	---	113	95	103	---	---	---	87	74	81
MONTH	129	85	99	131	68	98	132	79	100	146	1	83

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	97	75	85	115	27	91	---	---	---	77	49	64
2	112	78	89	150	46	78	---	---	---	74	59	67
3	128	60	85	96	25	50	---	---	---	86	58	66
4	88	55	77	---	---	---	---	---	---	90	64	73
5	105	69	80	---	---	---	---	---	---	100	66	81
6	129	82	92	---	---	---	---	---	---	96	73	83
7	123	76	95	---	---	---	---	---	---	99	67	84
8	100	56	89	---	---	---	---	---	---	96	73	83
9	111	61	86	---	---	---	---	---	---	95	65	86
10	66	32	52	88	6	56	---	---	---	92	54	79
11	114	26	61	105	17	67	---	---	---	79	68	74
12	---	---	---	118	29	79	---	---	---	84	71	76
13	---	---	---	97	1	43	93	59	73	83	72	77
14	---	---	---	81	1	33	76	49	65	80	73	76
15	---	---	---	97	5	60	76	50	60	82	71	78
16	---	---	---	96	20	81	78	44	61	94	68	76
17	---	---	---	132	56	81	97	59	72	81	66	76
18	---	---	---	105	53	78	122	79	94	76	63	69
19	---	---	---	140	40	73	96	45	73	78	71	74
20	---	---	---	94	63	78	69	12	47	84	74	78
21	---	---	---	116	69	86	78	11	58	93	76	85
22	---	---	---	110	50	85	85	10	72	104	81	90
23	---	---	---	78	18	53	100	72	81	116	89	100
24	---	---	---	101	59	81	101	78	89	110	95	100
25	103	42	74	101	65	76	103	81	88	107	85	94
26	90	34	63	111	57	81	87	74	80	104	89	95
27	123	53	88	96	63	85	99	73	82	98	87	94
28	111	69	88	86	64	73	97	56	83	96	76	84
29	147	79	101	80	62	71	92	58	79	119	79	91
30	141	87	111	82	66	75	89	68	77	110	84	92
31	---	---	---	---	---	---	95	52	70	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	119	49	82

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	93	65	78	96	19	52	88	71	80	45	35	41
2	94	64	81	44	15	24	92	86	89	45	29	34
3	90	63	80	74	16	34	93	88	90	45	27	30
4	76	43	59	47	10	24	93	88	91	31	28	29
5	80	24	44	43	12	24	92	88	90	58	25	36
6	39	10	18	39	6	18	94	87	91	80	45	62
7	21	3	10	17	5	9	94	89	92	93	50	81
8	75	3	36	83	8	51	94	87	91	93	46	78
9	76	45	64	89	70	83	91	77	86	92	48	73
10	78	69	73	94	82	88	96	66	84	93	85	90
11	72	61	68	93	38	74	97	92	95	96	86	90
12	70	54	63	90	35	55	98	89	93	99	82	92
13	72	54	63	96	65	89	98	85	94	103	92	96
14	91	60	83	101	89	96	98	90	95	105	91	100
15	91	79	84	105	92	98	97	94	96	104	97	100
16	83	62	75	99	85	94	96	76	87	103	96	100
17	76	52	63	99	72	83	83	74	79	106	93	99
18	94	50	82	74	40	57	83	77	81	110	87	98
19	89	70	79	82	38	64	80	59	67	110	100	103
20	73	22	42	85	74	81	85	57	67	107	100	103
21	68	25	38	84	67	78	84	47	69	114	98	103
22	88	33	62	73	58	62	77	46	63	102	94	97
23	97	66	79	58	52	56	87	43	65	106	92	101
24	102	55	87	54	45	51	87	29	56	108	99	104
25	98	80	89	94	44	80	72	34	44	105	100	102
26	85	48	64	88	30	55	63	43	50	102	98	100
27	61	39	47	34	21	31	60	51	57	107	97	101
28	89	34	62	86	21	44	60	56	59	104	98	101
29	85	36	72	87	69	79	58	47	52	105	95	99
30	85	51	68	85	69	78	49	41	45	104	84	95
31	101	29	72	---	---	---	48	42	46	92	81	89
MONTH	102	3	64	105	5	60	98	29	76	114	25	85
		FEBRUARY			MARCH			APRIL			MAY	
1	97	81	88	91	62	73	92	50	70	86	38	63
2	98	80	90	63	43	53	96	82	89	89	67	81
3	100	85	93	73	31	49	98	83	91	86	68	78
4	102	71	91	56	28	37	91	81	89	82	30	67
5	108	94	100	39	17	29	87	80	83	70	31	48
6	103	83	97	72	18	42	85	60	75	75	19	35
7	94	85	91	84	30	48	61	40	50	35	4	13
8	96	85	88	81	66	73	57	29	40	128	2	37
9	103	77	91	80	53	71	100	24	43	111	11	64
10	100	37	74	85	77	81	103	23	85	50	3	20
11	87	31	42	85	64	77	103	79	92	18	1	3
12	104	29	74	79	60	70	93	75	87	3	0	1
13	109	12	87	90	60	79	94	76	86	1	0	0
14	58	11	22	106	80	93	94	81	87	1	0	0
15	102	7	55	102	76	91	94	81	88	1	0	0
16	91	61	82	91	61	73	90	67	80	1	0	0
17	89	71	83	94	86	91	78	38	55	1	0	0
18	92	79	86	94	19	42	70	38	51	0	0	0
19	86	68	78	98	14	64	94	30	50	0	0	0
20	90	54	66	95	74	87	85	19	42	11	0	0
21	102	51	83	98	85	91	52	21	32	2	0	0
22	117	84	99	95	84	89	98	20	60	31	0	3
23	113	84	102	88	74	81	82	6	43	56	0	10
24	104	89	94	77	59	68	98	2	37	65	0	18
25	93	88	90	65	46	55	109	47	91	64	1	27
26	93	85	89	55	36	47	99	31	72	57	0	16
27	93	86	89	72	36	45	92	11	64	24	0	7
28	90	83	87	87	35	64	92	28	76	45	0	4
29	88	66	81	88	73	82	78	10	42	64	0	8
30	---	---	---	83	63	71	83	36	58	74	5	39
31	---	---	---	70	48	58	---	---	---	48	9	28
MONTH	117	7	82	106	14	67	109	2	67	128	0	22

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	59	1	14	3	0	2	81	60	70	50	21	32
2	30	1	6	5	0	2	73	54	65	91	21	72
3	32	0	7	4	0	2	90	61	73	89	31	67
4	77	0	23	4	0	3	80	58	66	99	27	68
5	59	6	40	4	0	3	70	32	52	---	---	---
6	68	6	48	5	1	3	92	26	71	---	---	---
7	51	0	11	5	1	3	93	76	84	---	---	---
8	2	0	0	8	1	3	84	67	76	---	---	---
9	58	0	7	20	0	3	75	43	53	---	---	---
10	20	0	6	1	0	0	50	10	26	---	---	---
11	53	0	12	1	0	0	56	8	17	82	53	74
12	77	0	51	1	0	0	38	1	10	86	74	79
13	74	21	56	1	0	0	66	0	32	86	74	79
14	59	2	29	3	0	0	67	21	51	82	76	79
15	57	0	21	14	0	0	45	25	34	80	66	75
16	62	0	24	1	0	0	43	22	33	74	29	61
17	54	0	11	3	0	0	35	12	22	81	59	74
18	30	0	3	19	0	1	12	0	5	77	65	71
19	2	0	0	8	0	0	1	0	0	78	45	72
20	52	0	6	54	0	8	4	0	0	82	51	74
21	68	1	29	4	0	0	1	0	0	81	47	74
22	51	0	6	1	0	0	1	0	0	74	47	61
23	11	0	2	4	0	0	0	0	0	62	35	46
24	9	0	2	12	0	0	94	0	14	104	35	72
25	9	0	4	4	0	0	96	58	81	99	55	84
26	54	0	17	6	0	0	89	68	78	101	42	87
27	52	16	27	26	0	5	99	48	82	92	63	77
28	37	4	12	47	0	9	91	45	74	83	29	64
29	28	0	7	59	0	16	86	20	65	79	66	73
30	5	0	2	75	1	29	76	42	69	88	69	83
31	---	---	---	86	51	70	74	50	64	---	---	---
MONTH	77	0	16	86	0	5	99	0	44	---	---	---

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9

LOCATION.--Lat. 34°56'55", long. 76°48'35", Craven County, Hydrologic Unit 03020204, at U.S. Coast Guard Channel Light 9.

PERIOD OF RECORD.--May 1989 to July 1993, 1996 to current year.

PERIOD OF DAILY RECORD.--
SALINITY (TOP AND BOTTOM): May 1989 to July 1993, June 1996 to current year
pH (TOP AND BOTTOM): June 1996 to current year.
WATER TEMPERATURE (TOP): May 1989 to July 1993, June 1996 to current year.
WATER TEMPERATURE (BOTTOM): June 1996 to current year.
DISSOLVED OXYGEN (TOP AND BOTTOM): May 1989 to July 1993, June 1996 to current year.
DISSOLVED OXYGEN (MID): May 1989 to July 1993.
DISSOLVED OXYGEN, PERCENT SATURATION (TOP AND BOTTOM): May 1989 to July 1993, June 1996 to current year.
DISSOLVED OXYGEN, PERCENT SATURATION (MID): May 1989 to July 1993.

INSTRUMENTATION.-- Water-quality monitor from May 1989 to July 1993. Constituents monitored were: specific conductance top and bottom, water temperature top and bottom, dissolved oxygen top, mid-depth and bottom. Water-quality monitor with satellite telemetry from June 1996 to current water year. Constituents monitored were the same as previous water years except mid-depth dissolved oxygen was not measured, water temperature, bottom, was added as well as pH top and bottom.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources. The monitor was removed August 29, 1999 to prevent possible destruction of the equipment during Hurricanes Dennis and Floyd. It was reinstalled on October 5, 1999. The monitor was removed on September 15, 2003 to prevent possible destruction of the equipment during Hurricane Isabel. It was reinstalled on September 26, 2003. Prior to June 1996, top constituents were monitored at 8 ft above streambed, mid constituents at 6 ft above streambed and bottom constituents, 2 ft above streambed. Beginning in June 1996, top constituents were monitored at 8 ft above streambed and bottom constituents, 2 ft above streambed. Salinity and dissolved oxygen, percent saturation are computed. The salinity is computed from specific conductance using the conversion from U.S. Geological Survey Water-Supply Paper 2311. The dissolved oxygen percent saturation is computed using a barometric pressure of 760mm of Hg beginning October 1, 2000. Salinity, minimum extremes are reported as <0.1 ppt. Dissolved oxygen, minimum extremes are reported as <1.0 mg/L. Dissolved oxygen, percent saturation, minimum extremes are reported as <10%.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY(TOP), ppt	23.6, August 28, 2002	<0.1, on many days during the period
SALINITY(BOTTOM), ppt	27.8, August 18, 2002	<0.1, on many days during the period
pH(TOP), standard units	10.4, April 19, 1999	4.3, June 13, 1997
pH(BOTTOM), standard units	9.3, March 12, 13, 14, 16-20, 1999	5.7, April 21, 2004
WATER TEMPERATURE (TOP), °C	32.3, August 6, 1989, July 30, 2002	0.2, January 25, 2003
WATER TEMPERATURE (BOTTOM), °C	31.4, July 29, 1999	0.8, January 25, 2003
DISSOLVED OXYGEN (TOP), mg/L	20.7, April 10, 1991	< 1.0, on many days during the period
DISSOLVED OXYGEN (BOTTOM), mg/L	16.8, April 26, 1991	< 1.0, on many days during the period

EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	19.4, May 23	0.7, November 7
SALINITY (BOTTOM), ppt	23.0, July 19	1.0, February 28
pH (TOP), standard units	9.4, November 2	6.5, May 1
pH (BOTTOM), standard units	9.1, February 25, September 24	5.7, April 21
WATER TEMPERATURE (TOP), °C	31.8, July 6, 9	3.0, February 2
WATER TEMPERATURE (BOTTOM), °C	30.0, July 22	2.8, February 2
DISSOLVED OXYGEN (TOP), mg/L	14.6, November 1	<1.0, May 23
DISSOLVED OXYGEN (BOTTOM), mg/L	14.9, February 20	< 1.0, on many days during the year
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	156, November 1	10, May 23
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	131, March 3	< 10, on many days during the year

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	5.1	3.7	4.2	3.8	2.9	3.2	3.9	3.3	3.6	3.9	2.4	2.8
2	4.7	4.1	4.4	3.4	2.1	2.7	4.3	3.5	3.8	3.4	2.2	2.5
3	5.1	3.7	4.3	2.9	1.4	2.0	4.1	3.7	3.9	3.8	2.2	2.5
4	---	---	---	2.9	1.1	1.7	6.0	3.8	4.2	7.1	2.5	3.3
5	---	---	---	3.4	1.1	1.7	5.7	4.0	4.3	10.5	4.0	8.6
6	---	---	---	3.4	0.9	1.5	4.7	3.8	4.4	10.4	6.2	7.9
7	5.1	3.2	3.9	3.8	0.7	1.6	5.5	3.8	4.7	8.0	6.5	7.1
8	5.7	4.1	5.0	4.7	1.3	3.5	5.5	4.1	4.4	7.4	6.7	7.0
9	5.4	5.0	5.2	6.5	2.9	4.4	5.0	3.8	4.3	7.5	6.8	7.2
10	5.6	5.0	5.3	3.2	1.6	2.4	6.0	4.5	5.2	7.5	6.5	7.1
11	5.6	3.1	4.5	2.2	1.3	1.7	5.8	4.6	4.9	7.1	4.8	6.3
12	4.4	2.6	3.1	3.3	1.2	2.1	5.0	4.3	4.6	6.8	4.8	6.2
13	6.2	2.4	3.9	3.8	2.7	3.1	5.5	4.2	4.6	7.0	6.6	6.8
14	5.6	4.1	4.9	---	---	---	5.7	2.9	4.2	7.1	6.7	6.9
15	4.9	4.2	4.5	4.0	2.9	3.3	4.8	2.8	3.5	7.4	7.0	7.2
16	5.0	4.0	4.5	---	---	---	3.8	2.5	3.1	7.3	6.7	7.0
17	4.8	3.0	3.7	---	---	---	3.7	2.5	2.9	6.9	6.4	6.6
18	4.0	3.3	3.6	---	---	---	5.1	1.3	2.7	7.3	6.5	6.9
19	4.2	3.5	3.7	6.8	3.4	4.9	3.8	1.3	2.0	7.3	6.8	7.0
20	---	---	---	5.4	3.9	4.6	3.8	2.0	2.5	7.0	6.5	6.7
21	---	---	---	5.2	3.6	4.0	2.7	2.0	2.2	6.6	5.4	6.1
22	4.9	4.1	4.6	5.1	2.9	3.5	3.0	1.9	2.1	5.7	4.8	5.2
23	5.0	4.3	4.6	4.9	2.8	3.2	3.4	1.9	2.2	6.4	4.8	5.4
24	5.7	4.4	4.8	7.0	2.5	3.8	3.5	1.8	2.1	6.4	5.4	6.0
25	5.6	4.7	5.0	5.9	3.0	4.5	3.6	1.6	2.0	6.7	5.9	6.2
26	5.7	4.2	4.8	5.5	3.8	4.5	3.6	2.0	2.6	6.3	5.7	6.0
27	5.8	4.3	4.9	5.1	3.8	4.1	3.6	1.9	2.3	5.9	5.1	5.6
28	6.3	4.3	4.8	6.6	3.6	4.6	3.4	1.6	1.9	5.9	4.6	5.4
29	5.2	4.2	4.7	6.0	4.2	4.5	3.0	1.5	2.2	6.1	4.7	5.5
30	5.4	4.1	4.5	4.9	3.2	3.9	4.0	1.5	2.7	5.0	3.9	4.6
31	4.1	3.7	4.0	---	---	---	3.8	2.6	2.9	5.3	4.7	4.9
MONTH	---	---	---	---	---	---	6.0	1.3	3.3	10.5	2.2	6.0
		FEBRUARY			MARCH			APRIL			MAY	
1	5.4	4.9	5.2	1.8	0.9	1.1	4.4	3.6	4.0	8.6	5.2	6.7
2	6.1	5.2	5.4	4.8	0.9	2.4	4.4	3.8	4.1	6.5	4.4	5.5
3	5.6	5.1	5.2	5.0	2.1	3.7	4.4	4.0	4.2	7.7	4.9	5.9
4	5.5	5.1	5.2	4.5	2.1	3.1	4.7	3.8	4.1	5.9	3.6	4.6
5	5.9	5.2	5.6	4.1	2.0	2.9	5.6	3.6	4.3	4.7	3.2	3.7
6	5.7	5.2	5.4	8.7	2.4	5.2	5.4	3.7	4.2	5.1	3.6	4.3
7	5.7	5.1	5.4	6.6	3.5	5.6	5.7	4.1	4.6	6.3	3.5	4.2
8	5.6	4.3	5.0	6.4	5.4	5.9	5.7	4.6	4.9	6.4	3.1	4.7
9	5.9	4.4	4.9	6.5	5.0	5.6	5.9	4.9	5.3	6.4	4.3	4.8
10	4.8	4.2	4.4	6.5	3.7	5.6	6.2	4.9	5.7	4.6	3.2	3.8
11	4.3	3.8	4.0	3.7	1.9	2.4	6.2	4.5	5.4	5.8	2.3	3.6
12	4.9	3.9	4.2	4.3	2.6	3.7	5.9	5.4	5.8	6.2	3.9	4.7
13	4.4	3.4	3.8	4.5	3.2	3.6	6.2	5.6	5.9	6.0	4.1	4.8
14	3.4	2.5	3.0	4.7	3.8	4.4	5.9	5.2	5.5	8.2	3.2	4.6
15	4.6	2.8	3.4	4.5	3.3	3.8	5.3	4.4	4.9	10.8	3.2	5.9
16	4.4	2.7	3.4	4.5	3.2	4.0	5.9	3.7	4.4	10	4.7	6.8
17	2.7	1.5	2.1	5.0	3.6	4.2	6.2	3.4	4.3	8.8	5.7	6.8
18	2.2	1.4	1.7	4.6	3.3	3.9	5.1	3.2	4.1	7.8	5.3	6.8
19	3.0	2.1	2.6	5.7	4.0	4.4	5.9	3.3	4.7	7.5	3.9	5.3
20	5.1	2.7	3.3	5.7	4.4	4.9	6.5	3.3	4.7	10.8	4.1	6.9
21	5.1	3.7	4.0	5.1	4.6	4.9	6.1	3.3	4.7	11.3	5.4	7.6
22	5.0	3.0	3.6	4.9	4.2	4.6	6.3	4.8	5.6	13.2	7.4	9.6
23	4.5	3.1	3.8	4.7	3.7	4.2	6.1	4.0	5.1	19.4	10.3	14.3
24	4.0	2.5	3.1	4.5	3.7	4.0	7.2	2.7	5.2	18.1	13.1	15.9
25	3.4	2.5	2.8	4.6	3.9	4.1	8.0	5.9	7.2	17.8	13.6	15.5
26	6.4	3.2	4.6	4.2	3.5	3.9	7.5	5.5	6.6	17.1	14.9	15.9
27	6.4	1.3	3.4	3.6	2.6	3.0	6.6	5.6	6.0	16.2	14.1	15.1
28	2.6	1.0	1.4	4.0	2.5	3.2	6.2	4.3	5.3	15.9	12.3	13.4
29	2.1	0.9	1.5	4.4	3.1	3.9	6.8	4.3	5.4	15.6	13.1	14.3
30	---	---	---	3.1	2.0	2.7	7.2	5.0	5.8	15.7	15.0	15.3
31	---	---	---	4.6	1.9	2.9	---	---	---	15.7	15.0	15.3
MONTH	6.4	0.9	3.8	8.7	0.9	3.9	8.0	2.7	5.1	19.4	2.3	8.3

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	15.5	14.1	14.8	13.4	9.0	11.0	17.7	17.3	17.6	6.2	3.7	4.5
2	15.3	13.9	14.5	13.1	9.5	10.8	17.7	16.9	17.4	8.0	5.2	6.3
3	15.2	13.9	14.5	13.8	10.5	11.2	17.9	15.3	17.3	6.3	5.5	5.7
4	16.6	14.5	15.4	15.3	10.2	11.8	17.0	14.7	15.7	5.7	4.3	4.7
5	15.7	14.4	15.3	14.1	10.0	12.0	16.1	13.8	15.0	6.3	4.2	5.2
6	15.9	14.4	15.3	11.5	8.7	10.0	15.7	14.7	15.3	6.4	3.4	4.7
7	15.6	14.7	15.1	11.8	8.0	9.2	15.1	13.0	14.2	5.6	4.0	4.7
8	15.2	14.3	14.8	15.3	9.5	11.7	14.9	12.1	13.1	5.9	4.3	5.1
9	15.4	12.4	13.7	13.7	11.1	11.9	15.7	12.2	13.7	5.8	3.0	4.1
10	14.2	12.4	13.1	15.0	11.8	12.5	15.5	13.1	14.2	4.5	2.9	3.5
11	13.3	12.1	12.6	14.5	11.9	13.2	14.9	12.6	13.5	4.7	3.2	3.8
12	14.3	12.6	13.5	14.3	12.4	13.4	15.3	13.0	13.8	4.4	2.9	3.3
13	14.9	13.7	14.4	14.3	12.3	12.9	15.6	12.9	13.9	3.8	2.4	3.0
14	14.9	13.7	14.3	14.3	12.4	13.2	14.6	12.7	13.6	4.3	2.4	2.9
15	14.7	13.5	14.0	14.5	12.8	13.7	14.5	12.0	13.5	3.0	2.4	2.6
16	14.5	12.8	13.7	14.7	13.8	14.2	13.6	10	11.3	3.0	2.3	2.5
17	14.1	12.5	13.3	16.2	13.7	14.4	12.2	9.2	10.7	4.8	2.1	3.2
18	14.5	12.4	13.6	17.2	14.1	15.6	12.9	9.0	10.7	4.9	2.4	3.1
19	13.5	11.3	12.4	16.8	14.1	15.1	9.9	6.4	7.8	5.0	2.9	4.1
20	14.7	11.5	13.4	16.8	15.1	16.0	12.9	6.4	7.6	6.1	3.7	4.6
21	14.7	12.6	14.1	16.5	16.0	16.3	11.1	5.8	7.9	4.1	2.5	3.3
22	13.8	12.6	13.2	16.1	14.5	15.6	10.5	5.1	6.4	3.4	1.8	2.3
23	12.9	10.3	11.3	18.6	14.2	15.4	9.0	5.7	7.1	3.9	1.1	1.5
24	11.8	10	10.8	16.2	15.3	15.8	10.6	7.0	8.7	4.1	1.2	2.4
25	13.2	10.0	11.0	16.3	14.5	15.3	11.5	8.4	9.8	4.6	2.6	3.4
26	15.1	10.4	12.3	16.0	13.8	14.4	10.6	5.8	7.4	5.5	3.3	4.4
27	13.1	12.0	12.6	17.8	14.2	15.5	8.0	6.0	6.9	4.8	2.8	3.6
28	14.1	12.2	13.0	17.7	15.8	16.5	8.0	5.3	6.3	4.1	2.4	3.3
29	14.2	12.6	13.5	18.6	16.3	17.1	9.5	4.2	6.7	4.0	2.7	3.1
30	14.2	11.8	12.6	17.9	17.1	17.5	8.0	4.1	5.8	5.9	3.3	4.6
31	---	---	---	17.7	17.3	17.7	6.0	3.8	4.6	---	---	---
MONTH	16.6	10.0	13.5	18.6	8.0	13.9	17.9	3.8	11.2	8.0	1.1	3.8

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.4	4.1	5.3	5.6	3.7	4.5	5.1	3.4	3.9	11.0	4.3	7.7
2	5.0	4.1	4.4	5.7	3.1	4.4	4.8	3.5	3.9	11.1	8.8	10.4
3	5.2	4.0	4.5	5.3	2.6	3.7	4.9	3.8	4.0	11.3	7.8	10.8
4	---	---	---	5.5	1.9	3.2	5.9	3.8	4.2	11.6	9.6	11.0
5	---	---	---	7.5	2.7	5.0	5.9	3.9	4.4	11.5	9.3	10.5
6	---	---	---	8.3	5.5	6.9	5.1	4.0	4.5	10.5	7.2	8.3
7	8.9	5.2	7.0	9.0	3.7	6.4	5.6	3.9	4.8	8.5	6.4	7.3
8	8.2	4.9	5.8	7.0	2.3	4.5	6.4	4.7	5.5	8.5	7.0	7.4
9	5.4	5.0	5.2	6.5	2.9	4.7	8.0	5.2	6.4	8.3	7.0	7.5
10	5.6	5.0	5.3	4.0	2.0	2.9	7.0	5.0	5.6	7.6	6.5	7.1
11	5.5	3.8	4.8	4.4	1.9	2.8	5.9	4.6	5.0	7.7	6.0	6.6
12	5.7	3.7	4.7	5.9	2.6	4.0	5.9	4.3	4.8	7.5	6.1	6.7
13	6.5	4.2	5.4	3.9	2.7	3.3	5.4	4.2	4.7	7.6	6.7	7.0
14	6.1	4.6	5.3	---	---	---	6.0	2.9	4.3	7.3	6.7	7.0
15	5.1	4.2	4.5	6.4	3.0	4.2	5.4	2.9	4.1	7.4	7.0	7.2
16	6.0	4.1	5.0	---	---	---	6.1	4.2	5.0	7.2	6.7	7.0
17	6.0	4.0	5.2	---	---	---	7.4	2.7	4.7	7.3	6.5	6.9
18	6.1	3.3	4.1	---	---	---	7.7	1.9	4.6	7.5	6.8	7.1
19	5.6	3.6	4.2	7.3	4.2	6.1	6.2	1.5	3.1	7.3	6.8	7.0
20	6.5	3.9	5.3	5.8	4.4	4.8	4.7	2.0	2.8	7.0	6.5	6.7
21	6.6	4.2	5.5	6.8	3.8	5.0	4.2	2.0	2.8	7.1	5.9	6.5
22	4.9	4.4	4.7	8.5	3.5	5.4	9.3	2.1	4.1	7.4	5.3	6.3
23	6.1	4.4	4.9	9.7	5.7	7.3	9.6	5.1	8.1	7.0	4.9	5.6
24	6.4	4.6	5.2	9.7	6.2	8.2	9.5	5.6	8.5	7.0	5.7	6.2
25	5.9	4.8	5.2	9.5	3.2	6.5	9.7	3.1	7.5	7.6	5.8	6.3
26	6.7	4.8	5.5	7.5	4.4	5.2	11.3	5.0	8.5	7.0	5.7	6.0
27	6.8	5.2	6.0	7.5	4.2	5.2	11.7	6.4	9.5	5.9	5.1	5.6
28	7.5	4.7	6.2	7.3	4.2	5.7	11.7	6.6	10	6.0	5.0	5.4
29	7.0	4.5	5.1	6.0	4.1	4.6	11.1	7.1	9.3	6.5	5.2	5.9
30	6.3	4.3	5.3	5.8	3.2	4.3	10.7	4.0	8.0	6.4	4.4	5.2
31	5.7	4.0	4.7	---	---	---	10.7	3.2	6.5	6.8	4.7	5.2
MONTH	---	---	---	---	---	---	11.7	1.5	5.6	11.6	4.3	7.1
		FEBRUARY			MARCH			APRIL			MAY	
1	6.8	5.0	5.3	7.0	3.8	5.3	5.1	3.5	4.0	8.9	7.0	8.2
2	6.2	5.1	5.5	8.1	4.7	6.3	4.3	3.7	4.1	8.6	5.2	6.6
3	6.1	5.1	5.3	7.5	3.5	5.4	7.2	4.0	4.6	9.1	5.0	6.5
4	6.0	5.1	5.4	6.8	3.0	5.0	6.2	3.8	4.6	7.8	4.3	5.8
5	6.0	5.2	5.6	8.3	4.4	6.5	6.2	3.6	4.6	9.2	4.9	6.6
6	6.1	5.2	5.5	8.8	4.6	6.8	6.7	4.0	5.5	8.3	4.3	6.0
7	5.6	5.0	5.3	6.7	5.5	6.2	8.3	4.4	5.7	9.7	5.2	7.5
8	6.4	4.8	5.3	6.4	5.6	5.8	8.1	4.8	6.1	10.9	5.0	7.9
9	6.0	4.7	5.5	6.7	5.1	5.8	8.0	5.0	5.9	8.3	5.0	6.5
10	5.7	4.3	4.9	6.4	4.0	5.6	7.3	5.6	6.1	8.8	3.9	5.8
11	6.2	4.0	4.8	6.5	2.3	4.3	6.5	5.2	5.9	12.0	5.9	9.2
12	6.1	4.1	4.8	6.5	4.3	5.0	5.9	5.3	5.7	12.4	6.9	9.7
13	5.7	3.6	4.2	7.0	3.5	5.2	6.4	5.5	5.9	13.5	9.0	11.4
14	6.5	3.4	5.1	6.2	4.1	4.8	5.7	5.1	5.5	14.2	9.3	12.9
15	6.2	3.0	4.6	6.9	4.1	5.1	6.1	4.4	5.0	14.7	11.0	13.6
16	4.4	2.8	3.5	7.5	4.0	6.4	6.8	4.3	5.5	15.3	12.2	14.1
17	2.9	1.5	2.3	7.0	3.7	4.8	7.3	5.0	6.0	15.5	9.7	12.9
18	3.1	1.4	2.1	7.0	3.4	5.1	7.6	5.0	6.2	15.2	11.0	13.2
19	3.9	2.1	3.0	6.2	4.0	4.7	8.8	4.8	6.5	15.9	12.4	14.7
20	6.2	2.9	4.1	6.0	4.7	5.2	7.4	5.0	6.0	17.6	11.1	15.7
21	5.0	3.7	4.2	5.3	4.6	4.9	10.1	5.5	7.2	18.2	14.4	16.6
22	5.3	3.1	4.1	4.9	4.2	4.6	10.7	5.7	7.6	18.8	13.7	17.6
23	4.7	3.1	4.0	5.3	4.2	4.6	11.4	6.4	8.5	19.4	14.9	17.5
24	4.1	2.6	3.3	4.9	4.1	4.5	11.6	4.9	7.7	18.6	15.7	17.2
25	4.0	2.5	2.9	5.0	4.2	4.5	8.5	6.7	7.7	19.5	15.7	16.9
26	6.4	3.3	4.6	5.6	4.0	4.8	8.6	6.6	7.2	18.5	15.1	16.7
27	6.4	1.3	3.7	7.2	3.9	5.9	7.1	5.6	6.2	17.0	14.4	15.5
28	4.8	1.0	2.6	7.8	3.1	5.0	8.0	5.6	6.3	17.3	12.6	14.4
29	5.3	2.6	4.0	6.4	3.2	4.1	8.2	6.4	7.4	16.7	13.4	14.9
30	---	---	---	6.4	2.5	3.7	8.5	6.1	7.5	16.4	15.0	15.5
31	---	---	---	6.5	3.5	5.4	---	---	---	16.2	15.0	15.5
MONTH	6.8	1.0	4.3	8.8	2.3	5.2	11.6	3.5	6.1	19.5	3.9	12.0

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	15.6	14.3	15.0	16.5	13.1	14.7	17.6	17.3	17.5	12.4	5.0	10.3
2	17.5	14.6	15.4	17.3	14.7	16.3	17.6	16.9	17.3	9.7	5.9	7.7
3	17.5	14.5	15.6	18.1	15.1	16.9	17.8	15.4	17.2	7.6	5.6	6.5
4	17.8	15.9	16.6	18.2	15.2	17.6	17.4	15.3	16.4	8.4	4.7	6.3
5	16.7	15.1	15.9	18.8	15.3	17.6	17.6	14.6	16.1	8.3	4.3	5.6
6	16.7	15.1	15.9	18.8	13.8	17.1	16.9	14.9	15.4	7.7	4.3	5.7
7	16.9	15.0	15.9	18.8	15.5	18.0	15.7	13.5	14.6	8.0	5.6	6.7
8	17.1	15.5	16.3	18.8	14.9	17.8	16.8	14.3	15.6	8.9	5.3	6.6
9	17.0	13.9	15.8	19.9	16.4	18.6	17.3	16.1	16.7	7.8	4.0	5.3
10	17.0	13.1	14.9	20.3	16.4	19.2	17.1	15.1	16.1	8.8	4.3	6.7
11	16.4	12.4	14.0	20.8	15.3	18.8	17.5	15.3	16.8	5.9	3.2	4.1
12	15.7	12.8	13.7	20.1	15.5	17.8	17.7	13.7	16.6	5.1	2.9	3.6
13	14.9	13.5	14.4	20.1	14.9	17.8	18.4	12.9	15.2	4.9	2.6	3.3
14	15.3	13.7	14.4	22.1	15.0	19.4	16.4	12.8	14.8	5.2	2.6	3.7
15	16.0	13.9	14.9	22.1	13.8	17.7	15.1	13.5	14.3	5.9	2.5	3.9
16	16.1	14.2	15.1	21.0	14.9	17.2	14.6	11.1	13.2	7.9	4.8	6.8
17	16.9	13.5	15.2	22.2	17.2	19.4	15.1	10.9	13.4	8.9	5.0	7.5
18	16.5	12.5	14.3	22.6	18.4	20.5	14.3	12.1	13.6	6.5	2.4	3.7
19	17.0	11.7	13.8	23.0	15.5	20.2	15.3	13.3	14.3	7.5	3.3	5.2
20	16.9	12.8	14.5	21.0	16.1	17.6	16.1	14.1	15.1	6.6	3.8	4.9
21	15.1	13.1	14.2	21.4	16.1	16.8	17.9	11.0	16.3	6.7	3.6	5.0
22	15.3	13.0	14.0	18.8	15.9	16.4	17.5	10.7	13.7	7.8	3.6	5.6
23	15.5	10.4	13.4	20.7	16.5	18.5	15.1	8.8	11.5	8.9	2.9	7.6
24	17.4	10.4	14.3	20.7	15.6	18.1	12.4	8.5	10.1	9.0	2.8	5.6
25	17.4	13.3	15.8	18.6	15.5	16.3	11.5	8.7	10	5.3	3.1	4.0
26	17.4	11.7	13.6	19.4	16.3	17.5	10.7	6.9	8.8	5.7	3.6	4.9
27	14.7	12.3	13.4	21.0	17.2	18.5	11.4	6.3	8.1	5.2	3.4	4.3
28	15.5	12.9	14.3	21.6	16.7	18.8	11.1	6.0	7.6	6.0	2.7	4.5
29	15.2	13.1	14.0	21.4	17.2	18.9	11.3	8.6	10.0	6.8	2.7	4.5
30	15.8	13.1	14.3	20.8	17.3	18.4	9.7	4.3	6.9	7.9	2.3	5.4
31	---	---	---	17.7	17.3	17.5	11.1	6.2	9.5	---	---	---
MONTH	17.8	10.4	14.8	23.0	13.1	17.9	18.4	4.3	13.6	12.4	2.3	5.5

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.5	7.8	8.1	9.2	8.2	8.6	8.3	7.6	7.9	8.5	7.4	7.8
2	8.3	7.7	8.0	9.4	8.4	9.0	8.0	7.6	7.8	8.8	7.6	8.0
3	8.4	7.7	8.0	9.2	8.5	8.9	8.0	7.6	7.8	8.3	7.4	7.7
4	---	---	---	8.8	7.8	8.5	7.9	7.7	7.8	8.3	7.2	7.6
5	---	---	---	8.9	7.5	8.3	7.9	7.7	7.7	7.8	7.1	7.4
6	---	---	---	8.4	7.2	7.7	7.7	7.6	7.6	7.8	7.5	7.6
7	8.3	7.3	7.9	7.3	7.1	7.2	7.8	7.6	7.7	7.6	7.5	7.5
8	8.2	7.1	7.6	7.6	7.2	7.4	8.1	7.6	7.8	8.1	7.5	7.7
9	7.7	7.4	7.6	7.6	7.4	7.5	8.2	7.8	8.0	8.0	7.6	7.8
10	7.8	7.6	7.7	7.7	7.4	7.5	8.3	7.8	8.1	8.1	7.7	7.8
11	7.9	7.6	7.7	7.6	7.4	7.5	7.9	7.8	7.8	8.2	7.6	7.9
12	8.5	7.6	7.9	7.8	7.4	7.5	8.2	7.8	7.9	8.5	8.0	8.1
13	8.6	7.5	7.9	7.6	7.4	7.4	8.3	7.8	8.0	8.6	8.0	8.2
14	8.1	7.5	7.7	---	---	---	8.0	7.8	7.9	8.4	8.1	8.3
15	7.9	7.5	7.7	8.2	7.5	7.7	8.0	7.8	7.9	8.4	8.2	8.3
16	8.4	7.7	7.9	---	---	---	7.8	7.4	7.7	8.5	8.2	8.3
17	8.5	7.0	7.6	---	---	---	7.8	7.5	7.6	8.6	8.2	8.4
18	7.8	7.3	7.5	---	---	---	7.6	7.4	7.5	8.6	8.2	8.4
19	8.3	7.3	7.8	7.5	7.0	7.2	7.5	7.4	7.4	8.5	8.2	8.4
20	---	---	---	7.3	7.0	7.1	7.6	7.3	7.4	8.6	8.3	8.4
21	---	---	---	8.1	7.1	7.4	7.5	7.2	7.4	8.6	8.4	8.5
22	8.1	7.3	7.7	8.3	7.2	7.7	7.6	7.3	7.4	8.7	8.5	8.6
23	8.3	7.5	7.9	8.2	7.3	7.7	7.5	7.3	7.4	8.8	8.4	8.6
24	8.3	7.6	8.0	8.2	7.1	7.7	7.5	7.3	7.4	8.8	8.4	8.5
25	8.0	7.6	7.9	7.9	7.4	7.6	7.4	7.2	7.3	8.6	8.2	8.4
26	8.6	7.6	8.0	8.2	7.5	7.8	7.3	7.1	7.2	8.3	8.0	8.2
27	8.5	7.6	8.0	8.2	7.8	8.0	7.5	7.2	7.3	8.4	8.2	8.3
28	8.3	7.6	8.0	8.2	7.1	7.8	8.2	7.2	7.4	8.3	7.9	8.1
29	8.4	7.7	7.9	7.6	7.2	7.4	8.4	7.3	7.5	8.5	7.9	8.2
30	8.6	7.7	8.1	8.3	7.4	7.7	7.8	7.3	7.6	8.6	8.2	8.5
31	8.6	7.9	8.2	---	---	---	8.0	7.3	7.5	8.7	8.2	8.4
MONTH	---	---	---	---	---	---	8.4	7.1	7.6	8.8	7.1	8.1
		FEBRUARY			MARCH			APRIL			MAY	
1	8.6	8.2	8.3	8.6	7.9	8.3	8.4	7.5	8.0	7.0	6.5	6.7
2	8.4	8.1	8.2	8.1	7.6	7.9	8.5	7.6	7.9	7.0	6.6	6.8
3	8.6	8.2	8.5	8.7	7.5	8.0	8.5	7.8	8.2	7.1	6.6	6.9
4	8.6	8.3	8.5	8.9	7.6	8.4	8.6	8.1	8.4	7.6	6.8	7.0
5	8.5	8.1	8.3	8.6	7.5	8.1	8.1	7.9	8.0	7.7	7.0	7.3
6	8.5	8.2	8.4	8.1	7.2	7.5	8.8	7.8	8.2	8.6	6.7	7.7
7	8.5	8.0	8.3	7.7	7.2	7.5	8.9	7.9	8.5	8.9	7.3	8.3
8	8.3	8.0	8.1	7.3	7.2	7.2	9.0	8.0	8.7	8.7	7.6	8.2
9	8.2	8.0	8.1	7.5	7.1	7.3	9.0	8.6	8.8	8.8	7.5	8.3
10	8.5	8.1	8.3	7.4	7.2	7.3	8.9	8.2	8.6	9.1	8.1	8.6
11	8.7	8.3	8.5	7.5	7.3	7.4	8.9	8.2	8.7	9.1	7.3	8.3
12	8.5	8.0	8.3	8.3	7.3	7.6	8.7	8.0	8.3	8.9	7.3	8.0
13	8.5	8.2	8.3	8.2	7.5	7.8	8.4	7.7	8.0	8.6	7.2	7.7
14	8.6	8.4	8.5	8.4	7.8	8.0	8.6	7.7	8.0	8.1	7.0	7.4
15	8.5	7.7	8.3	8.0	7.6	7.8	8.0	7.8	7.9	8.4	6.9	7.3
16	8.2	7.7	8.0	7.9	7.3	7.6	8.7	7.9	8.3	8.5	6.9	7.4
17	8.3	8.0	8.2	8.0	7.4	7.6	8.9	7.9	8.6	8.9	7.0	7.7
18	8.0	7.3	7.7	8.5	7.5	7.9	9.2	8.1	8.7	8.5	7.2	7.9
19	8.1	7.1	7.6	8.1	7.5	7.9	9.0	7.8	8.5	7.9	7.2	7.5
20	9.0	7.6	8.2	8.2	7.4	7.7	9.1	7.8	8.5	8.6	6.8	7.6
21	8.5	7.7	8.2	8.1	7.4	7.6	9.1	8.2	8.6	8.7	7.1	7.8
22	9.0	8.3	8.6	7.9	7.3	7.5	8.5	7.6	8.1	7.8	6.9	7.4
23	8.9	8.2	8.7	8.2	7.3	7.7	8.7	7.9	8.3	7.9	6.8	7.2
24	8.9	8.4	8.7	8.6	7.6	8.0	8.5	7.2	7.9	7.8	7.1	7.3
25	9.0	8.4	8.7	9.1	7.8	8.4	7.6	7.1	7.3	8.0	7.1	7.6
26	8.7	7.8	8.3	9.1	8.4	8.7	7.5	7.0	7.2	8.1	7.3	7.8
27	8.3	7.6	8.1	9.2	8.5	8.9	7.6	6.9	7.3	8.1	7.5	7.9
28	8.3	7.6	7.8	9.0	8.3	8.7	7.8	7.0	7.3	8.0	7.4	7.9
29	9.1	7.6	8.4	8.4	8.0	8.2	7.8	6.7	7.3	7.6	7.3	7.5
30	---	---	---	8.7	7.9	8.3	7.4	6.7	7.0	7.4	7.1	7.3
31	---	---	---	8.9	7.8	8.3	---	---	---	7.4	7.0	7.2
MONTH	9.1	7.1	8.3	9.2	7.1	7.9	9.2	6.7	8.1	9.1	6.5	7.6

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.0	7.0	7.5	8.7	7.8	8.3	7.5	7.1	7.3	8.3	7.4	7.8
2	8.0	7.6	7.8	8.5	7.9	8.3	7.4	7.1	7.3	8.2	7.7	7.9
3	8.2	7.6	7.8	8.6	7.8	8.3	7.5	7.1	7.3	8.5	7.7	8.1
4	7.8	7.2	7.5	8.5	7.5	8.0	8.1	7.1	7.5	8.7	8.0	8.3
5	8.0	7.3	7.6	8.5	7.3	7.9	8.2	7.3	7.8	8.6	8.0	8.3
6	7.9	7.4	7.7	8.2	7.7	8.0	7.9	7.5	7.7	8.4	8.0	8.2
7	8.2	7.6	7.8	8.5	7.6	8.1	7.9	7.5	7.7	8.3	7.6	7.9
8	8.1	7.3	7.8	8.0	7.3	7.7	8.3	7.5	7.8	7.8	7.3	7.5
9	8.2	7.4	7.8	8.5	7.4	8.0	8.3	7.4	7.9	8.3	7.5	7.8
10	8.2	7.4	7.8	8.4	7.7	8.2	8.2	7.5	7.8	8.2	7.4	7.8
11	8.2	7.8	8.0	8.2	7.6	8.0	8.2	7.3	7.8	8.4	7.8	8.1
12	8.0	7.5	7.6	8.2	7.8	8.1	8.0	7.0	7.6	8.6	7.9	8.2
13	7.8	7.5	7.6	8.6	7.6	8.1	7.9	7.3	7.6	8.5	7.8	8.2
14	7.8	7.4	7.6	8.3	8.0	8.2	7.7	7.4	7.5	8.3	7.8	8.1
15	7.8	7.4	7.6	8.5	7.9	8.1	7.5	7.3	7.4	8.8	7.8	8.2
16	7.6	7.3	7.5	8.3	7.8	8.0	8.2	7.4	7.7	9.2	8.2	8.6
17	7.7	7.5	7.6	8.3	7.8	8.2	8.2	7.5	7.9	8.8	7.7	8.2
18	7.9	7.3	7.6	8.2	7.7	8.0	8.1	7.2	7.8	8.0	7.7	7.9
19	8.2	7.4	7.8	8.4	7.6	8.0	8.4	7.6	8.0	8.2	7.7	7.9
20	8.1	7.5	7.7	8.2	7.9	8.0	8.3	7.2	7.8	8.4	7.9	8.1
21	7.9	7.3	7.6	8.4	7.8	8.1	7.7	7.2	7.5	8.7	7.9	8.2
22	7.7	7.3	7.5	8.3	8.0	8.2	7.5	7.2	7.3	8.6	7.7	8.2
23	8.1	7.5	7.8	8.3	7.4	8.1	7.9	7.3	7.6	8.7	7.6	8.2
24	8.4	7.7	8.2	8.2	7.8	8.1	7.8	7.2	7.5	8.6	8.1	8.3
25	8.7	7.9	8.3	8.2	7.8	8.0	7.7	7.1	7.4	8.1	7.8	8.0
26	8.2	7.6	8.0	8.1	7.9	8.0	7.5	7.2	7.3	7.8	7.3	7.6
27	8.5	7.8	8.1	8.2	7.6	8.0	7.9	7.2	7.6	7.7	7.2	7.4
28	8.4	7.4	7.9	8.1	7.6	7.8	8.3	7.6	7.9	7.4	7.0	7.2
29	8.5	7.4	7.9	7.9	7.2	7.5	8.4	7.3	7.9	7.9	7.0	7.4
30	8.5	7.7	8.2	7.7	7.2	7.4	7.7	7.1	7.5	7.7	7.0	7.3
31	---	---	---	7.6	7.2	7.3	8.7	7.4	7.9	---	---	---
MONTH	8.7	7.0	7.8	8.7	7.2	8.0	8.7	7.0	7.6	9.2	7.0	8.0

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.4	7.1	7.5	8.8	7.6	8.0	8.3	7.6	7.9	8.5	7.2	7.4
2	8.3	7.4	8.0	8.5	7.6	7.9	8.1	7.7	7.9	7.3	7.1	7.2
3	8.3	7.5	7.9	8.6	7.6	8.0	8.1	7.8	7.9	7.3	7.1	7.2
4	---	---	---	8.7	7.0	7.9	8.0	7.8	7.9	7.2	7.1	7.2
5	---	---	---	7.9	6.9	7.1	7.9	7.7	7.8	7.9	7.2	7.5
6	---	---	---	7.2	6.9	7.0	7.8	7.7	7.7	7.9	7.4	7.7
7	7.3	6.9	7.0	7.4	6.9	7.0	7.8	7.6	7.7	7.8	7.5	7.6
8	7.7	6.9	7.2	7.6	6.9	7.4	7.8	7.6	7.7	8.1	7.6	7.8
9	7.6	7.3	7.4	7.6	7.3	7.5	8.2	7.5	7.7	8.1	7.8	7.9
10	7.5	7.2	7.3	7.6	7.4	7.5	8.1	7.6	7.9	8.2	7.8	7.9
11	7.4	7.2	7.3	7.5	7.3	7.4	7.8	7.6	7.8	8.2	7.8	7.9
12	7.5	7.2	7.3	7.6	7.2	7.4	7.9	7.7	7.8	8.4	7.9	8.2
13	7.5	7.2	7.3	7.6	7.4	7.5	8.1	7.7	7.8	8.6	8.0	8.3
14	7.7	7.3	7.4	---	---	---	7.8	7.6	7.7	8.6	8.2	8.4
15	7.8	7.4	7.6	8.1	7.5	7.6	7.8	7.6	7.7	8.5	8.4	8.4
16	8.1	7.5	7.7	---	---	---	7.8	7.4	7.7	8.6	8.4	8.5
17	8.2	7.2	7.5	---	---	---	7.9	7.6	7.7	8.6	8.3	8.4
18	8.1	7.1	7.7	---	---	---	7.8	7.5	7.7	8.7	8.2	8.4
19	8.4	7.2	7.8	7.5	7.2	7.3	7.6	7.4	7.6	8.7	8.3	8.5
20	8.1	7.0	7.4	7.5	7.3	7.4	7.7	7.4	7.5	8.7	8.4	8.6
21	8.1	7.1	7.4	7.8	7.2	7.4	7.6	7.4	7.5	8.8	8.4	8.6
22	8.4	7.5	7.9	8.0	7.2	7.5	7.5	7.3	7.5	8.7	8.1	8.5
23	8.5	7.6	8.0	7.7	7.1	7.4	7.6	7.3	7.4	8.9	8.4	8.7
24	8.5	7.7	8.1	7.8	7.1	7.3	7.5	7.3	7.4	8.9	8.5	8.7
25	8.2	7.6	7.9	7.7	7.1	7.5	7.6	7.3	7.4	8.8	8.3	8.6
26	8.1	7.5	7.7	8.2	7.3	7.7	7.6	7.4	7.4	8.5	8.1	8.3
27	7.9	7.5	7.6	8.2	7.1	7.7	7.9	7.3	7.5	8.6	8.3	8.4
28	8.2	7.4	7.6	8.1	7.0	7.5	7.9	7.4	7.5	8.5	8.1	8.2
29	8.3	7.5	8.0	7.6	7.2	7.4	7.5	7.2	7.4	8.5	8.0	8.2
30	8.2	7.6	7.9	8.3	7.5	7.7	7.6	7.2	7.4	8.6	7.8	8.4
31	8.4	7.6	7.9	---	---	---	7.6	7.2	7.4	8.5	7.6	8.2
MONTH	---	---	---	---	---	---	8.3	7.2	7.6	8.9	7.1	8.1
		FEBRUARY			MARCH			APRIL			MAY	
1	8.6	7.8	8.3	7.8	7.3	7.5	7.7	6.6	7.2	6.9	6.6	6.7
2	8.4	7.9	8.2	8.0	7.3	7.6	7.8	6.9	7.2	7.2	6.7	6.9
3	8.8	7.7	8.5	8.9	7.4	7.8	7.8	6.8	7.3	7.4	6.8	7.1
4	8.9	8.2	8.7	8.5	7.3	7.7	7.8	7.0	7.6	7.2	6.8	7.0
5	8.8	8.2	8.6	7.8	7.2	7.4	7.7	7.1	7.3	7.6	6.6	6.9
6	8.8	7.9	8.5	8.3	7.2	7.6	7.8	6.7	7.3	7.6	6.7	7.0
7	8.4	8.0	8.3	8.0	7.4	7.6	7.9	6.7	7.3	7.3	6.7	7.0
8	8.3	8.0	8.1	7.6	7.4	7.5	8.2	6.7	7.2	8.0	6.7	7.1
9	8.2	7.9	8.1	7.7	7.3	7.4	8.0	6.5	7.3	8.0	6.9	7.3
10	8.4	7.7	8.1	7.6	7.4	7.6	7.8	6.5	7.1	8.4	6.8	7.4
11	8.6	7.3	8.1	7.7	7.4	7.5	8.0	6.3	7.1	7.4	6.8	6.9
12	8.6	7.2	8.0	8.1	7.5	7.6	7.8	6.8	7.2	7.1	6.8	6.9
13	8.5	7.2	8.2	8.0	7.3	7.6	7.3	6.2	6.6	7.1	6.8	6.9
14	8.5	7.0	7.6	8.6	7.6	8.2	7.5	6.3	6.7	7.0	6.8	6.9
15	8.4	7.1	7.7	8.1	7.3	7.7	7.0	6.5	6.6	7.0	6.9	7.0
16	8.2	7.7	8.0	8.0	7.3	7.4	6.8	6.1	6.4	7.1	7.0	7.0
17	8.2	7.6	8.0	8.2	7.4	7.7	6.6	5.9	6.2	7.1	6.9	7.0
18	8.1	7.2	7.6	7.9	7.4	7.7	6.5	5.9	6.1	7.2	7.0	7.0
19	7.8	7.0	7.3	8.4	7.4	8.0	6.8	5.8	6.1	7.3	7.0	7.1
20	8.6	6.9	7.8	8.3	7.5	7.9	7.1	5.9	6.4	7.2	6.9	7.1
21	8.5	7.7	8.2	8.3	7.6	7.9	6.9	5.7	6.3	7.1	6.8	6.9
22	8.8	7.6	8.3	8.1	7.6	7.7	7.9	5.8	6.9	7.2	6.9	7.0
23	8.9	7.7	8.5	7.8	7.6	7.6	8.0	6.8	7.1	7.2	6.8	6.9
24	8.9	8.1	8.7	8.3	7.6	7.7	8.2	6.7	7.3	7.5	6.9	7.1
25	9.1	8.3	8.8	7.8	6.8	7.4	7.5	7.0	7.2	7.8	6.9	7.3
26	8.8	7.9	8.4	7.8	6.6	7.0	7.4	6.6	7.0	8.0	7.0	7.5
27	8.4	7.8	8.2	7.9	6.7	6.9	7.5	6.9	7.2	8.1	7.3	7.8
28	8.7	7.7	7.9	8.2	6.7	7.4	7.4	6.8	7.1	8.0	7.3	7.7
29	8.8	7.6	8.1	7.6	6.5	7.3	7.1	6.7	6.9	7.7	7.2	7.4
30	---	---	---	7.7	6.5	7.0	7.1	6.6	6.8	7.4	7.0	7.2
31	---	---	---	7.4	6.4	6.7	---	---	---	7.3	6.9	7.1
MONTH	9.1	6.9	8.2	8.9	6.4	7.5	8.2	5.7	6.9	8.4	6.6	7.1

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.9	7.1	7.5	8.1	7.2	7.6	7.4	7.0	7.3	7.9	7.3	7.5
2	7.8	7.3	7.6	7.6	7.1	7.2	7.4	7.1	7.2	8.2	7.3	7.7
3	7.7	7.1	7.4	7.4	7.1	7.2	7.5	7.2	7.3	8.1	7.5	7.8
4	7.4	7.0	7.2	7.3	7.2	7.2	7.7	7.2	7.3	8.5	7.2	7.8
5	7.8	7.1	7.4	7.5	7.1	7.2	8.0	7.1	7.5	8.5	7.3	8.1
6	7.7	7.1	7.4	8.1	7.1	7.3	8.0	7.2	7.7	8.1	7.3	7.7
7	7.6	6.9	7.2	7.7	7.1	7.2	7.9	7.3	7.7	7.4	7.2	7.3
8	7.2	6.9	7.0	7.4	7.2	7.2	7.6	7.0	7.3	7.6	7.2	7.3
9	7.6	6.9	7.0	7.3	7.1	7.2	7.6	6.9	7.2	7.8	7.3	7.6
10	7.9	6.9	7.3	7.4	7.1	7.2	7.4	6.9	7.1	7.7	7.0	7.4
11	7.9	7.3	7.6	7.6	7.1	7.2	7.2	6.9	7.0	8.4	7.5	8.1
12	8.0	7.3	7.5	7.4	7.0	7.1	7.9	6.9	7.3	8.6	7.6	8.2
13	7.8	7.4	7.6	7.9	7.0	7.2	7.9	7.2	7.5	8.5	7.9	8.2
14	7.7	7.1	7.5	7.7	7.1	7.3	7.8	7.4	7.6	8.3	7.5	8.0
15	7.6	7.1	7.3	8.1	7.1	7.5	7.6	7.4	7.5	8.1	7.3	7.6
16	7.4	7.0	7.2	8.0	7.2	7.6	7.8	7.3	7.4	7.6	7.3	7.5
17	7.5	6.9	7.2	7.7	7.3	7.5	7.9	7.2	7.4	7.8	7.5	7.6
18	7.7	7.0	7.3	7.5	7.2	7.3	7.6	7.0	7.1	8.0	7.6	7.8
19	7.6	7.0	7.3	8.1	7.2	7.4	7.1	7.0	7.1	8.1	7.7	7.9
20	7.7	6.9	7.3	8.0	7.4	7.7	7.2	7.0	7.1	8.4	7.9	8.1
21	7.7	7.0	7.4	8.0	7.4	7.8	7.4	7.1	7.2	8.1	7.7	7.9
22	7.2	6.7	7.0	8.4	7.6	8.1	7.5	7.0	7.1	8.6	7.7	7.9
23	7.6	6.8	7.0	8.2	7.3	7.7	7.7	7.0	7.2	8.5	7.8	7.9
24	8.0	6.7	7.5	8.2	7.4	7.7	7.9	6.9	7.6	9.1	7.8	8.4
25	8.0	7.2	7.5	8.4	7.9	8.2	7.7	7.2	7.5	8.8	7.9	8.5
26	8.2	7.3	7.9	8.2	7.6	7.9	7.4	7.0	7.2	8.6	7.9	8.3
27	8.0	7.3	7.7	7.8	7.1	7.5	7.8	7.0	7.3	8.0	7.5	7.7
28	7.9	7.2	7.4	7.7	7.1	7.3	7.9	7.0	7.5	7.8	7.3	7.5
29	8.0	7.3	7.6	7.4	7.1	7.2	7.7	7.1	7.3	7.7	7.4	7.5
30	7.9	7.3	7.5	7.6	7.1	7.3	7.7	7.0	7.3	8.2	7.4	7.6
31	---	---	---	7.4	7.2	7.3	7.5	7.2	7.3	---	---	---
MONTH	8.2	6.7	7.4	8.4	7.0	7.4	8.0	6.9	7.3	9.1	7.0	7.8

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.1	22.0	22.5	19.5	17.8	18.4	12.1	11.2	11.7	9.2	8.0	8.5
2	22.5	21.8	22.2	19.6	18.3	19.0	11.6	10.6	11.1	10.0	8.2	8.7
3	21.8	19.6	20.8	20.0	18.8	19.5	10.7	9.6	10.1	10.2	8.4	9.2
4	---	---	---	20.2	19.1	19.6	9.9	8.8	9.4	12.2	9.7	10.8
5	---	---	---	21.1	19.5	20.2	9.9	9.3	9.5	12.0	9.9	10.9
6	---	---	---	21.3	20.0	20.8	9.8	8.5	9.4	12.2	10.9	11.4
7	21.4	20.7	21.2	20.8	19.9	20.4	9.0	8.5	8.7	10.9	8.9	9.8
8	21.3	20.8	21.0	20.1	18.5	19.5	9.0	7.5	8.1	9.0	7.8	8.3
9	21.2	20.6	20.9	18.6	16.5	17.4	8.5	7.3	8.2	7.8	6.8	7.5
10	21.4	21.0	21.2	16.6	15.3	15.9	11.1	8.2	9.0	7.4	5.2	6.2
11	21.2	20.8	21.0	16.1	15.4	15.7	10.5	9.8	10.1	5.4	3.3	4.4
12	21.5	20.5	20.9	17.1	15.7	16.2	10.2	9.4	9.6	5.1	3.3	4.4
13	21.6	20.5	21.1	16.8	15.2	16.4	9.6	9.0	9.3	5.8	4.4	5.2
14	21.8	21.0	21.2	---	---	---	9.6	9.0	9.3	5.8	5.2	5.4
15	21.3	20.0	20.7	13.8	13.0	13.4	9.5	8.5	8.9	6.2	5.4	5.7
16	20.1	19.2	19.6	---	---	---	9.1	8.2	8.7	5.9	5.2	5.7
17	20.5	18.8	19.5	---	---	---	10.2	8.8	9.4	5.9	5.0	5.4
18	19.9	18.9	19.5	---	---	---	9.0	8.0	8.7	7.4	5.3	6.1
19	19.4	18.4	18.9	15.8	15.0	15.3	8.4	7.5	8.1	7.0	6.3	6.5
20	---	---	---	15.5	14.5	15.1	7.8	7.2	7.6	6.3	5.6	5.9
21	---	---	---	15.6	14.1	14.8	7.2	6.4	6.8	5.6	5.1	5.3
22	19.8	19.1	19.4	16.1	14.4	14.9	7.1	6.2	6.6	5.9	4.5	5.2
23	19.1	18.1	18.6	16.3	14.7	15.3	7.8	6.5	7.1	5.6	5.0	5.4
24	18.7	17.4	17.8	16.1	14.8	15.4	9.1	7.5	8.3	6.6	5.0	5.6
25	17.9	17.1	17.5	15.7	14.5	15.2	8.9	7.7	8.2	5.7	4.3	5.0
26	19.0	17.5	17.9	14.7	14.0	14.5	7.9	7.1	7.5	4.5	4.1	4.3
27	18.8	17.9	18.3	14.5	14.2	14.3	7.9	7.0	7.4	4.5	4.0	4.3
28	18.6	18.2	18.5	15.7	14.3	14.8	7.8	7.0	7.4	4.2	3.3	3.9
29	19.3	18.3	18.6	15.2	12.9	13.9	8.6	7.2	7.7	4.8	3.2	3.9
30	18.8	17.9	18.4	12.9	11.7	12.2	9.2	8.0	8.7	4.8	3.8	4.3
31	18.5	17.9	18.2	---	---	---	9.0	8.3	8.6	4.5	3.5	3.9
MONTH	---	---	---	---	---	---	12.1	6.2	8.7	12.2	3.2	6.4
		FEBRUARY			MARCH			APRIL			MAY	
1	4.1	3.4	3.6	9.4	7.1	8.3	14.6	13.4	13.8	21.1	20.1	20.4
2	4.2	3.0	3.6	10.8	8.9	9.8	13.5	12.2	13.1	22.3	20.0	20.6
3	5.0	3.9	4.5	12.1	9.8	10.7	13.7	12.8	13.2	21.2	20.4	20.9
4	6.2	4.6	5.1	13.7	10.6	12.3	13.9	13.1	13.5	20.7	19.0	19.8
5	5.6	4.8	5.3	14.9	12.1	13.5	13.5	12.5	12.9	21.2	19.2	20.0
6	9.9	5.4	6.5	14.2	10.1	13.1	13.6	11.9	12.6	22.6	19.5	20.6
7	10.4	7.7	8.6	14.6	12.7	13.6	15.5	12.1	13.4	23.7	20.8	22.0
8	8.7	7.8	8.3	13.1	11.4	12.5	15.3	13.6	14.5	23.6	22.1	22.5
9	8.1	7.3	7.6	12.6	11.6	12.0	16.5	14.8	15.4	25.0	22.5	23.7
10	8.2	7.5	7.9	12.1	10.2	11.2	16.5	15.2	15.8	25.4	23.2	24.1
11	8.8	7.9	8.3	11.3	10.2	10.8	17.0	15.8	16.4	25.8	23.2	24.2
12	8.8	8.0	8.3	13.0	10.1	11.3	16.7	16.1	16.4	25.9	23.9	24.5
13	8.8	7.9	8.2	12.7	11.4	11.9	17.8	16.4	16.9	25.9	24.0	24.7
14	8.6	8.2	8.4	11.8	11.2	11.5	17.1	16.1	16.7	25.9	23.9	24.8
15	8.4	8.0	8.3	12.3	11.4	11.9	16.3	15.3	16.0	25.6	23.5	24.3
16	8.0	6.9	7.5	12.7	11.7	12.3	17.5	15.3	16.2	26.0	23.7	24.6
17	7.2	6.6	6.8	12.6	11.9	12.2	18.1	16.1	17.1	26.6	24.0	25.1
18	6.6	6.0	6.4	12.6	10.9	12.0	19.1	17.0	17.9	27.0	24.6	25.4
19	7.3	6.0	6.6	12.9	12.1	12.4	18.8	17.2	18.1	25.8	24.5	25.1
20	8.2	6.8	7.4	13.1	11.7	12.3	21.3	17.4	18.9	26.7	23.9	25.1
21	8.9	7.3	8.1	13.8	12.3	12.9	20.6	18.8	19.5	27.5	24.8	25.8
22	9.2	8.2	8.6	12.9	11.8	12.3	20.5	19.0	19.7	27.2	24.7	25.8
23	9.0	8.3	8.7	12.4	11.0	11.7	22.0	19.6	20.6	27.2	23.8	25.1
24	9.1	8.7	9.0	12.9	11.0	12.0	21.9	20.0	20.9	26.4	24.1	25.0
25	9.1	8.6	8.8	14.1	12.1	12.8	20.7	19.5	20.1	27.0	24.5	25.6
26	8.6	7.0	7.8	14.8	12.7	13.4	22.4	19.8	20.6	28.0	25.1	26.6
27	7.5	7.0	7.3	15.7	13.7	14.7	20.9	20.3	20.6	28.5	26.5	27.3
28	7.7	6.6	7.1	15.7	14.7	15.3	21.1	19.3	20.1	28.5	27.0	27.5
29	9.3	6.4	7.7	14.7	13.8	14.2	21.1	19.4	20.2	27.8	26.7	27.2
30	---	---	---	14.5	13.5	14.0	21.6	19.6	20.6	26.8	25.7	26.1
31	---	---	---	14.8	13.9	14.3	---	---	---	27.1	25.6	26.2
MONTH	10.4	3.0	7.3	15.7	7.1	12.4	22.4	11.9	17.1	28.5	19.0	24.2

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.3	25.8	26.5	29.0	27.6	28.3	29.7	28.6	29.1	27.9	26.7	27.2
2	28.0	26.3	26.9	29.1	27.8	28.5	29.5	28.6	29.1	26.8	26.0	26.5
3	28.6	26.1	27.3	29.6	27.8	28.6	29.1	28.0	28.5	27.0	25.8	26.4
4	27.5	26.5	27.0	29.3	28.2	28.6	29.7	27.5	28.5	27.5	25.9	26.4
5	27.7	26.1	26.8	30.8	27.9	29.2	30.1	27.9	29.0	27.8	25.8	26.8
6	27.1	26.3	26.8	31.8	29.4	30.4	29.0	27.3	28.1	27.3	26.3	26.7
7	28.1	26.6	27.2	31.2	30.0	30.4	27.5	26.4	26.7	26.6	26.0	26.4
8	28.2	27.1	27.7	30.6	28.9	29.6	27.2	25.7	26.4	27.0	26.2	26.6
9	28.9	27.2	27.7	31.8	28.8	29.8	27.6	26.3	26.9	27.0	26.3	26.6
10	28.6	26.7	27.6	31.6	29.5	30.3	28.4	26.4	27.3	26.8	26.3	26.5
11	29.2	27.3	28.0	30.2	29.3	29.8	28.0	27.0	27.4	26.4	25.4	26.0
12	28.5	26.5	27.2	29.6	28.9	29.2	27.7	26.5	27.1	26.0	25.4	25.7
13	26.7	25.4	26.2	30.3	28.4	29.2	27.1	26.4	26.8	25.5	25.0	25.2
14	26.8	25.6	26.1	30.4	28.7	29.6	26.8	25.9	26.4	25.2	24.6	24.9
15	27.4	25.7	26.5	30.3	28.7	29.3	26.2	25.1	25.8	25.2	24.6	24.9
16	27.3	26.4	26.8	29.8	28.4	29.2	26.7	24.7	25.8	26.0	24.9	25.3
17	27.4	26.4	26.9	29.6	28.4	29.0	27.3	25.8	26.5	25.9	25.2	25.6
18	29.1	26.5	27.5	29.1	27.9	28.5	27.3	26.1	26.6	25.6	24.0	24.8
19	30.0	27.3	28.5	29.7	27.7	28.4	29.1	26.3	27.2	24.0	22.7	23.4
20	29.9	27.4	28.2	29.6	27.6	28.4	28.4	26.6	27.2	22.8	21.0	22.0
21	27.7	26.8	27.2	30.8	28.3	29.1	28.4	26.7	27.5	22.4	20.9	21.8
22	28.1	26.9	27.5	30.7	28.4	29.4	27.4	26.5	27.0	23.1	21.4	21.8
23	29.3	27.4	28.2	29.6	28.6	29.0	26.7	25.8	26.3	23.5	21.6	22.5
24	29.6	27.9	28.5	30.7	28.0	29.0	27.1	25.7	26.3	23.7	22.8	23.2
25	30.0	27.9	28.9	29.8	28.6	29.1	26.8	26.2	26.5	23.8	22.7	23.3
26	28.5	27.6	28.1	30.4	28.5	29.1	26.6	26.0	26.3	23.5	23.0	23.2
27	28.9	27.3	28.0	30.2	28.8	29.5	27.2	26.0	26.6	24.0	23.2	23.5
28	28.6	27.7	28.2	29.5	27.8	28.6	28.4	26.5	27.0	24.1	23.4	23.7
29	28.8	27.3	28.1	29.1	27.5	28.1	28.2	26.8	27.4	25.2	23.6	24.1
30	29.0	27.6	28.3	29.6	27.6	28.5	27.5	26.7	27.1	24.5	23.7	24.0
31	---	---	---	29.6	28.1	28.8	28.7	26.7	27.4	---	---	---
MONTH	30.0	25.4	27.5	31.8	27.5	29.1	30.1	24.7	27.2	27.9	20.9	24.8

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.6	22.4	23.1	18.5	17.8	18.3	12.3	11.2	11.7	8.7	8.2	8.5
2	22.9	21.7	22.2	19.4	18.2	18.5	11.5	10.6	11.1	8.7	8.4	8.5
3	21.9	20.2	20.9	19.3	18.5	18.8	11.1	9.5	10.1	8.7	8.5	8.6
4	---	---	---	19.8	18.7	19.2	10.0	8.6	9.3	9.2	8.5	8.7
5	---	---	---	20.0	18.6	19.1	9.8	9.2	9.4	12.5	8.6	10.2
6	---	---	---	19.6	18.8	19.1	9.6	8.6	9.4	12.9	10.9	11.5
7	21.3	21.0	21.1	20.2	18.7	19.4	9.0	8.5	8.7	10.9	9.3	9.9
8	21.4	20.8	21.0	20.0	18.6	19.4	9.2	7.9	8.7	9.5	8.1	8.7
9	21.2	20.7	20.9	18.8	16.5	17.4	9.7	8.4	8.9	8.5	6.8	7.8
10	21.3	20.9	21.1	16.6	15.5	16.2	10.9	8.5	9.0	7.4	5.2	6.2
11	21.2	20.9	21.1	16.5	15.7	16.1	10.3	9.6	9.9	6.3	3.8	4.7
12	21.3	20.6	21.0	16.6	15.8	16.3	9.6	9.2	9.4	5.2	4.2	4.7
13	21.5	20.9	21.1	16.8	15.2	16.3	9.5	8.8	9.2	5.8	4.7	5.2
14	21.7	21.1	21.3	---	---	---	9.4	8.8	9.2	5.7	5.2	5.4
15	21.3	20.2	20.7	14.8	13.1	13.7	9.3	8.5	8.9	6.0	5.4	5.7
16	20.4	19.5	19.8	---	---	---	9.2	8.9	9.0	5.9	5.2	5.7
17	20.1	19.3	19.8	---	---	---	10.1	9.0	9.3	5.5	5.0	5.4
18	20.1	19.0	19.6	---	---	---	9.3	8.3	8.9	7.1	5.4	6.0
19	19.7	18.4	19.0	15.5	14.6	15.0	9.1	8.0	8.3	6.9	6.3	6.5
20	20.0	19.0	19.3	15.4	14.6	15.0	8.5	7.2	7.6	6.3	5.6	5.9
21	19.9	19.0	19.5	15.2	14.3	14.8	7.6	6.6	7.0	5.9	5.1	5.4
22	19.8	19.1	19.4	15.2	14.4	14.8	8.7	6.5	7.1	5.8	5.1	5.4
23	19.1	18.1	18.7	15.2	14.8	14.9	8.9	7.4	8.3	5.6	5.0	5.4
24	18.9	17.3	18.0	15.4	14.9	15.1	8.9	7.8	8.5	6.5	5.2	5.6
25	18.3	17.1	17.6	15.5	14.4	15.1	9.0	8.1	8.6	5.7	4.4	5.0
26	18.2	17.5	17.8	15.0	14.0	14.4	8.6	7.9	8.2	4.6	4.1	4.3
27	18.4	17.8	18.0	14.9	14.2	14.5	8.3	7.5	7.9	4.5	4.0	4.3
28	18.6	17.7	18.1	15.5	14.3	14.8	8.1	7.4	7.9	4.2	3.4	3.9
29	19.0	18.0	18.4	15.1	12.9	13.8	8.2	7.7	7.9	4.6	3.4	3.9
30	18.8	18.0	18.4	12.9	11.8	12.2	9.0	7.9	8.4	4.4	3.8	4.1
31	18.4	18.0	18.3	---	---	---	8.9	8.3	8.5	4.2	3.4	3.8
MONTH	---	---	---	---	---	---	12.3	6.5	8.8	12.9	3.4	6.3
		FEBRUARY			MARCH			APRIL			MAY	
1	3.9	3.1	3.5	7.7	7.1	7.3	14.4	13.3	13.7	20.5	19.9	20.1
2	3.9	2.8	3.4	10.5	7.0	8.2	13.4	12.1	13.0	22.1	20.1	20.5
3	4.7	3.6	4.2	11.7	8.1	9.8	13.5	12.7	13.0	21.2	20.5	20.9
4	5.1	4.4	4.7	11.8	9.3	10.4	13.8	13.1	13.4	20.6	19.0	19.9
5	5.3	4.6	5.0	12.3	7.9	9.8	13.4	12.4	12.8	20.4	19.8	20.1
6	8.2	5.1	6.0	13.7	8.0	11.6	13.2	12.0	12.6	21.2	19.6	20.1
7	9.2	7.4	8.3	13.6	12.6	13.1	13.9	12.3	12.9	21.2	20.2	20.6
8	8.5	7.3	7.9	13.0	11.4	12.5	15.0	12.8	13.8	23.1	20.3	21.4
9	7.8	7.2	7.6	12.5	11.7	12.1	15.4	13.4	14.7	23.7	21.6	22.4
10	7.8	7.3	7.5	12.1	10.4	11.2	16.3	13.9	15.2	24.1	21.8	23.0
11	8.4	7.7	7.9	11.0	9.6	10.6	16.7	15.2	16.0	23.8	20.9	22.1
12	8.4	7.7	8.0	12.3	10.3	10.9	16.7	16.0	16.3	23.6	21.3	22.5
13	8.3	7.7	7.9	12.0	10.6	11.2	17.6	15.8	16.6	23.4	21.2	22.1
14	8.2	7.6	7.8	11.7	11.0	11.5	17.0	16.1	16.6	23.8	21.1	21.9
15	8.2	7.7	7.9	11.8	10.8	11.4	16.2	15.2	15.9	23.4	21.6	22.1
16	7.8	6.9	7.3	12.5	10.8	11.3	16.4	15.2	15.9	23.5	21.9	22.6
17	7.0	6.3	6.5	12.5	11.4	12.1	16.7	15.9	16.1	24.3	22.4	23.1
18	6.5	5.9	6.3	12.2	11.3	11.8	17.3	16.0	16.6	24.1	22.2	22.8
19	6.9	5.9	6.4	12.8	11.7	12.3	18.0	16.1	16.9	22.9	22.1	22.4
20	7.5	6.6	7.0	12.5	11.6	12.1	18.5	16.7	17.6	24.7	22.2	23.0
21	8.7	7.3	8.0	13.6	12.2	12.8	19.7	16.4	18.0	24.3	22.9	23.4
22	8.9	8.0	8.3	12.8	12.0	12.3	19.8	16.7	18.5	24.9	22.9	23.3
23	9.0	8.2	8.6	12.5	11.4	11.8	20.4	17.3	18.8	24.9	23.1	23.8
24	9.0	8.7	8.9	12.8	11.4	12.0	21.4	16.8	19.7	25.5	24.0	24.4
25	9.0	8.6	8.8	13.0	11.8	12.3	20.2	19.4	19.8	25.7	24.4	25.0
26	8.6	7.0	7.8	13.3	12.1	12.4	21.6	18.8	20.3	27.1	25.0	25.9
27	7.4	6.7	7.2	14.1	11.9	12.5	20.8	20.2	20.6	28.2	26.4	27.0
28	7.8	6.7	7.1	15.4	12.0	13.9	20.5	19.6	19.9	28.0	26.6	27.2
29	7.8	7.1	7.5	14.6	13.3	14.1	20.5	19.7	20.0	27.6	26.8	27.1
30	---	---	---	14.0	12.8	13.5	21.2	19.8	20.1	27.1	25.9	26.4
31	---	---	---	14.2	12.6	13.2	---	---	---	27.0	25.9	26.2
MONTH	9.2	2.8	7.0	15.4	7.0	11.7	21.6	12.0	16.5	28.2	19.0	23.0

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.2	25.9	26.4	28.6	27.8	28.1	29.7	28.6	29.1	27.6	26.8	27.4
2	27.2	26.3	26.6	28.2	27.7	27.9	29.5	28.6	29.1	27.3	26.2	26.8
3	27.1	26.2	26.6	28.1	27.5	27.8	29.1	28.0	28.5	26.9	25.9	26.4
4	26.9	26.2	26.6	28.1	27.4	27.7	28.9	27.6	28.1	27.0	26.1	26.5
5	27.2	26.1	26.7	28.6	27.3	27.7	29.2	28.0	28.5	27.9	25.9	26.9
6	27.1	26.4	26.7	29.6	27.4	28.1	28.8	27.4	28.1	27.3	26.6	26.9
7	27.2	26.4	26.7	29.1	27.5	28.0	27.5	26.3	26.7	26.8	26.4	26.7
8	27.2	26.5	26.8	29.0	27.7	28.2	27.1	26.6	26.8	27.0	26.6	26.7
9	27.8	26.6	27.0	29.0	27.9	28.3	27.2	26.8	27.0	26.9	26.4	26.7
10	27.9	26.5	27.2	29.4	28.2	28.6	27.3	27.0	27.1	26.8	26.5	26.7
11	27.8	26.8	27.3	29.6	28.4	28.8	27.3	27.0	27.1	26.5	25.4	26.1
12	28.3	27.0	27.3	29.5	28.4	28.9	27.7	27.0	27.2	26.1	25.2	25.7
13	27.1	25.5	26.4	29.4	28.3	28.7	27.4	26.6	27.1	25.6	24.9	25.2
14	26.8	25.8	26.2	29.3	28.3	28.7	27.4	26.3	26.9	25.4	24.4	24.9
15	27.0	26.1	26.4	29.3	28.5	28.9	26.6	25.7	26.2	25.5	24.1	24.9
16	27.0	26.4	26.6	29.5	28.6	28.9	26.4	25.2	26.0	25.3	24.6	24.9
17	27.1	26.3	26.8	29.0	28.7	28.9	26.6	26.0	26.3	25.6	24.7	24.9
18	28.3	26.6	27.1	28.9	28.5	28.7	26.7	26.2	26.3	25.6	24.1	24.8
19	29.5	26.9	27.9	28.8	28.2	28.6	26.6	26.2	26.3	24.4	22.9	23.7
20	28.1	27.2	27.8	28.7	28.0	28.4	26.5	26.1	26.2	22.9	21.1	22.0
21	27.7	26.9	27.3	28.9	28.2	28.4	27.9	26.1	26.4	23.2	21.1	22.1
22	27.8	27.1	27.3	30.0	28.0	28.9	27.2	26.3	26.7	22.7	21.9	22.2
23	28.7	27.3	27.6	29.8	28.7	29.0	27.2	26.1	26.6	23.0	21.9	22.3
24	28.7	27.2	27.7	29.2	28.2	28.7	26.8	25.7	26.3	23.5	22.2	22.9
25	28.4	27.3	27.6	29.3	28.6	28.9	26.7	26.1	26.4	23.8	22.8	23.3
26	28.4	27.3	27.9	28.9	28.5	28.7	26.6	26.0	26.4	23.7	23.0	23.4
27	28.0	27.7	27.8	28.9	28.4	28.7	27.1	26.0	26.5	23.7	23.3	23.4
28	28.6	27.8	28.0	29.0	28.3	28.6	27.0	26.6	26.8	24.2	23.1	23.6
29	28.3	27.4	27.9	28.6	27.5	28.1	27.6	26.6	27.0	24.0	23.8	23.9
30	28.4	27.8	28.0	29.3	27.7	28.4	27.9	26.8	27.3	24.4	23.8	24.1
31	---	---	---	29.5	28.1	28.8	27.6	27.1	27.3	---	---	---
MONTH	29.5	25.5	27.1	30.0	27.3	28.5	29.7	25.2	27.0	27.9	21.1	24.9

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	9.5	7.3	8.4	14.6	9.7	11.2	10.9	9.3	9.9	12.4	10.3	11.2
2	9.1	7.4	7.9	13.9	10.0	12.2	10.2	9.4	9.9	13.4	10.9	11.7
3	9.8	7.4	8.2	12.8	10.4	11.7	10.3	9.5	9.8	12.0	10.1	11.1
4	---	---	---	11.7	8.3	10.5	10.5	9.8	10	11.7	7.5	10.3
5	---	---	---	11.6	7.3	10.0	10.0	9.5	9.8	9.8	6.3	8.2
6	---	---	---	9.9	6.7	8.7	10.1	9.3	9.6	9.6	8.5	9.1
7	9.4	5.9	8.1	8.0	6.6	7.4	10.3	9.7	9.9	9.9	8.9	9.4
8	8.3	3.2	6.5	8.3	7.0	7.7	11.1	9.7	10.3	11.4	9.4	10.1
9	7.3	5.9	6.6	8.7	7.7	8.2	11.1	10.2	10.7	11.2	10.0	10.5
10	7.6	6.7	7.1	9.4	8.2	9.0	11.0	9.2	10.5	11.9	10.2	10.9
11	7.9	6.6	7.2	9.6	8.8	9.2	9.9	9.2	9.6	12.9	10.8	11.8
12	9.2	6.9	7.9	9.8	8.6	9.1	10.7	9.6	9.9	13.5	11.9	12.5
13	9.8	5.5	7.8	9.0	8.1	8.6	10.7	9.9	10.1	13.7	11.9	12.6
14	8.2	6.0	6.9	---	---	---	10.2	9.9	10.0	13.0	12.0	12.5
15	7.8	6.3	7.0	11.2	9.1	9.8	10.3	9.9	10.1	12.7	12.1	12.4
16	9.3	6.7	7.3	---	---	---	10.4	9.4	9.9	12.9	12.0	12.4
17	10.4	6.6	8.2	---	---	---	10.1	9.3	9.7	13.8	12.0	12.7
18	8.8	7.5	8.3	---	---	---	9.7	9.1	9.5	13.3	11.8	12.6
19	10.8	7.8	9.0	9.0	6.2	7.6	9.9	9.3	9.7	13.1	11.5	12.2
20	---	---	---	8.1	7.2	7.6	10.1	9.4	9.7	13.0	12.0	12.4
21	---	---	---	10.3	7.4	8.4	10.7	9.7	10.0	13.3	12.1	12.7
22	9.5	7.3	8.2	11.1	7.8	9.4	10.6	9.8	10.2	13.3	12.4	12.9
23	10.1	7.9	8.9	10.4	8.1	9.3	10.7	9.9	10.3	13.2	11.9	12.6
24	10.1	8.6	9.2	10.4	7.7	9.3	10.6	9.8	10.3	13.7	11.9	12.5
25	9.6	7.5	9.0	9.3	8.0	8.7	10.4	9.6	10.1	12.7	11.7	12.2
26	11.2	7.7	9.3	10.2	8.3	9.2	10.2	9.3	9.8	12.4	11.7	12.0
27	10.4	7.8	9.1	10.0	9.2	9.5	11.3	9.8	10.3	12.6	11.7	12.1
28	9.9	6.8	9.1	10.2	6.1	9.0	12.4	10.1	10.6	12.8	11.8	12.2
29	10.4	8.2	9.1	8.9	6.7	8.2	12.5	10.5	11.1	13.6	11.7	12.5
30	11.3	8.2	9.6	10.8	8.5	9.2	11.9	9.7	10.9	13.9	12.8	13.4
31	11.2	8.9	10	---	---	---	11.5	10.1	10.6	13.6	12.3	12.9
MONTH	---	---	---	---	---	---	12.5	9.1	10.1	13.9	6.3	11.8
		FEBRUARY			MARCH			APRIL			MAY	
1	13.7	12.4	12.7	12.4	11.1	11.7	10.0	7.7	9.2	6.6	2.3	4.8
2	12.9	12.2	12.6	11.3	10.2	10.8	11.0	8.6	9.5	7.0	4.0	5.7
3	13.5	12.0	13.0	12.4	9.5	10.7	10.7	9.1	9.9	7.4	4.9	6.3
4	13.3	12.6	12.9	12.4	9.5	11.1	10.7	9.8	10.3	8.6	5.9	6.9
5	12.9	11.8	12.3	11.5	8.6	10.2	9.9	9.4	9.6	8.6	7.2	8.0
6	12.8	10.9	12.2	10.5	7.4	8.8	11.9	9.3	10.2	10.0	5.9	8.3
7	12.1	10.4	11.3	9.3	7.2	8.5	11.9	9.2	10.7	11.4	6.8	9.4
8	11.0	10.2	10.6	8.1	7.1	7.5	11.5	9.3	10.7	10.0	7.5	8.9
9	11.2	10.5	10.9	8.4	6.7	7.5	11.4	9.9	10.6	11.6	6.6	9.3
10	11.8	10.6	11.2	9.1	7.2	8.1	10.6	9.0	9.9	11.8	8.4	9.8
11	12.7	11.2	12.0	9.5	8.6	9.1	10.8	9.0	9.9	12.4	6.6	9.3
12	12.1	10.4	11.2	10.9	8.5	9.5	9.8	8.3	8.9	10.9	6.0	8.0
13	11.7	10.5	11.0	10.7	9.5	10.0	9.4	7.5	8.3	9.5	5.4	7.5
14	12.6	11.4	12.0	11.1	9.9	10.4	10.4	7.8	8.7	9.2	4.2	7.1
15	11.8	9.9	11.1	10.3	9.4	9.9	9.5	8.2	8.9	10.0	2.8	6.2
16	10.9	9.9	10.5	10.0	8.4	9.4	10.8	8.6	9.6	10.0	3.1	6.7
17	11.5	10.7	11.0	10.2	8.7	9.2	11.0	8.1	10.1	11.4	4.2	7.5
18	11.5	10.7	11.0	10.9	8.6	9.8	10.8	8.5	9.9	9.9	5.8	7.7
19	12.6	10.3	11.4	10.0	8.3	9.5	10.6	7.7	9.5	9.2	5.7	7.7
20	13.9	10.1	12.0	10.3	8.3	9.1	11.1	7.6	9.6	10.5	1.7	6.8
21	11.7	9.8	10.9	9.8	7.8	8.7	10.8	8.8	9.6	11.3	3.7	7.1
22	13.2	10.8	11.8	9.6	7.8	8.6	9.3	7.8	8.6	7.6	2.8	6.0
23	12.5	10.4	11.9	10.2	8.0	9.0	9.9	7.5	8.8	8.2	0.8	4.7
24	12.1	10.4	11.5	10.9	8.6	9.6	9.1	6.2	8.0	7.5	3.5	5.3
25	12.2	10.4	11.3	13.8	8.7	10.8	7.3	5.8	6.6	9.6	3.5	6.7
26	11.3	10.2	10.6	13.4	10.4	11.9	7.7	4.9	6.5	9.6	5.2	7.3
27	10.9	10.2	10.6	13.1	10.2	11.9	7.9	5.5	7.1	8.5	5.4	7.0
28	11.8	10.2	10.8	11.4	9.3	10.5	8.5	6.1	7.3	7.4	5.5	6.7
29	14.0	10.7	12.0	9.9	8.9	9.4	8.5	5.0	7.6	6.7	5.0	5.9
30	---	---	---	10.7	9.1	9.9	7.8	4.9	6.4	5.8	4.0	5.0
31	---	---	---	11.2	8.4	9.8	---	---	---	5.8	4.2	4.9
MONTH	14.0	9.8	11.5	13.8	6.7	9.7	11.9	4.9	9.0	12.4	0.8	7.0

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.8	3.9	6.0	10.1	5.2	7.7	5.0	2.0	4.1	8.6	5.5	7.2
2	7.8	5.7	6.7	8.9	4.5	7.1	4.7	2.5	3.8	7.9	6.2	6.9
3	8.8	5.5	6.9	9.8	4.1	7.1	5.2	2.6	3.9	9.0	6.5	7.7
4	6.7	3.2	5.3	8.3	2.4	5.5	6.6	2.1	4.2	9.9	7.4	8.2
5	9.1	4.4	6.4	9.6	2.3	5.7	6.5	3.1	4.6	9.2	7.3	7.9
6	7.5	4.8	6.6	7.1	4.3	6.1	6.8	3.1	4.6	7.9	6.5	7.2
7	9.2	5.6	7.0	8.9	4.7	6.5	8.1	5.3	6.5	7.6	5.0	6.3
8	8.4	4.3	6.9	5.8	1.4	4.0	10.4	5.6	7.5	6.4	3.4	5.3
9	9.1	4.1	6.7	9.8	3.3	6.5	10.4	4.8	7.6	7.8	3.6	6.3
10	8.1	4.8	6.6	8.8	4.2	7.2	9.6	5.4	7.2	8.3	5.9	7.0
11	8.2	5.8	6.9	6.9	3.7	6.1	9.7	4.4	6.9	8.4	7.1	7.7
12	7.0	4.7	5.7	7.4	4.8	6.2	7.2	3.4	5.4	9.0	7.3	8.1
13	7.0	5.2	6.0	11.3	4.7	7.4	6.2	3.2	5.3	8.3	7.2	7.8
14	6.5	4.5	6.0	8.0	5.8	6.6	6.0	4.8	5.2	8.2	7.2	7.7
15	6.5	4.6	5.7	10.0	5.0	6.9	5.8	3.4	4.9	9.0	6.5	7.7
16	6.1	4.3	5.4	6.9	5.2	6.1	9.6	4.4	6.7	10.0	7.5	8.5
17	6.3	4.8	5.9	7.0	4.5	6.3	9.5	5.0	7.3	8.5	5.3	7.2
18	7.4	4.7	5.8	6.4	4.0	5.5	8.8	1.7	6.5	7.3	6.0	6.7
19	8.3	4.9	6.5	8.5	3.3	5.8	11.8	5.6	8.0	7.6	6.3	6.9
20	7.7	5.0	6.0	6.3	4.2	5.3	8.0	2.6	6.1	8.2	6.9	7.5
21	7.1	4.3	5.5	10.0	4.8	6.4	6.5	3.0	5.4	9.0	7.1	7.9
22	5.9	4.2	5.1	8.8	6.3	8.0	6.4	3.6	5.6	10.6	7.3	8.5
23	8.5	4.8	6.1	8.4	1.4	6.6	7.4	5.3	6.3	10.3	8.2	9.1
24	9.0	5.5	7.3	7.6	4.2	6.2	7.0	4.2	6.1	9.5	8.2	8.8
25	10.8	6.3	8.2	8.2	4.9	6.2	6.6	4.3	5.2	8.3	7.4	7.9
26	7.2	4.4	6.4	7.0	5.4	6.3	6.2	4.4	5.7	7.9	6.4	7.4
27	9.9	5.5	7.2	7.8	2.7	5.9	7.7	5.3	6.6	7.9	6.3	7.0
28	8.7	4.2	5.9	6.2	3.3	4.9	9.5	6.7	7.6	7.3	5.2	6.5
29	9.8	3.9	6.4	5.4	1.5	4.2	8.9	4.7	7.1	8.8	5.6	7.2
30	9.5	4.8	7.4	5.4	2.2	4.1	7.3	2.6	6.1	8.5	5.2	7.1
31	---	---	---	5.2	3.3	3.9	10.4	5.9	7.7	---	---	---
MONTH	10.8	3.2	6.3	11.3	1.4	6.1	11.8	1.7	6.0	10.6	3.4	7.4

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	9.7	3.5	6.3	10.5	4.7	7.6	11.3	9.0	10.1	13.0	5.2	8.2
2	9.5	6.0	8.2	10.4	4.5	7.5	10.6	9.5	10.3	6.6	4.2	5.1
3	9.7	6.6	8.2	10.1	5.0	7.8	11.0	9.8	10.4	7.7	3.8	5.2
4	---	---	---	10.2	2.1	7.7	11.0	10.2	10.6	5.8	4.3	5.0
5	---	---	---	7.5	0.2	4.3	10.6	10.1	10.4	---	---	---
6	---	---	---	5.3	0.5	2.8	10.7	10.0	10.2	---	---	---
7	6.0	0.4	3.0	7.6	0.2	3.3	10.8	10.3	10.5	---	---	---
8	7.8	0.6	4.5	8.4	1.6	7.0	11.0	9.8	10.3	---	---	---
9	7.8	6.3	7.1	9.2	6.6	8.5	11.8	8.4	10.1	---	---	---
10	8.1	7.3	7.6	9.7	8.0	8.8	11.6	9.1	11.0	---	---	---
11	8.4	7.1	7.5	9.6	7.1	8.5	10.8	9.9	10.6	---	---	---
12	7.7	4.8	6.5	9.6	6.1	8.1	11.1	10.2	10.8	---	---	---
13	7.4	3.9	5.8	9.5	8.1	8.9	11.7	10.4	11.1	---	---	---
14	7.2	3.8	5.7	---	---	---	11.4	10.7	11.1	---	---	---
15	7.0	5.2	6.2	11.6	8.1	9.8	11.4	10.7	11.1	---	---	---
16	8.4	5.2	6.3	---	---	---	11.3	10.1	10.6	---	---	---
17	9.0	5.0	6.4	---	---	---	11.3	9.6	10.5	---	---	---
18	9.2	4.0	7.9	---	---	---	11.2	9.1	10.6	---	---	---
19	10.3	4.3	8.0	7.9	5.3	6.5	11.4	9.8	10.9	---	---	---
20	9.3	2.2	6.1	7.9	6.8	7.5	11.9	10.2	11.3	---	---	---
21	8.7	2.9	5.8	9.0	6.2	7.5	12.2	10.9	11.6	---	---	---
22	9.7	6.6	8.3	9.2	5.6	7.6	12.1	7.3	10.9	---	---	---
23	10.3	6.7	8.7	8.3	5.8	7.2	10.8	7.0	8.3	---	---	---
24	10.0	6.9	8.8	8.9	4.9	6.5	9.8	7.0	8.0	---	---	---
25	9.4	6.3	8.5	8.9	5.0	7.5	10.4	6.9	8.5	---	---	---
26	9.0	5.6	7.4	10.0	5.3	8.7	9.7	7.3	8.7	---	---	---
27	8.0	5.2	6.6	10.1	4.8	8.5	11.7	6.9	9.2	---	---	---
28	9.2	4.2	6.4	9.7	5.0	7.8	11.6	7.8	9.0	---	---	---
29	9.6	4.5	8.2	9.3	7.0	8.6	10.0	6.5	8.3	---	---	---
30	9.2	5.4	7.7	11.2	8.6	9.4	11.5	6.3	8.4	---	---	---
31	9.6	5.6	8.0	---	---	---	11.4	6.7	9.2	11.6	8.9	10.7
MONTH	---	---	---	---	---	---	12.2	6.3	10.1	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	12.0	9.3	11.0	11.9	7.7	10.2	9.7	5.9	8.6	5.0	1.5	3.3
2	11.7	10.2	11.2	11.8	8.4	10.1	10.2	8.3	9.0	7.7	2.5	5.3
3	12.3	8.8	11.5	14.2	9.2	11.0	10.1	6.2	9.0	8.2	4.1	6.7
4	12.2	10.2	11.6	12.4	8.2	10.2	10.1	7.6	9.5	8.2	5.1	7.1
5	12.3	10.4	11.4	10.3	6.0	7.7	9.5	8.5	9.1	9.2	3.0	6.5
6	12.2	9.8	11.4	11.7	6.0	8.9	10.0	6.0	8.7	7.5	2.2	5.5
7	11.8	10.3	11.1	10.4	8.0	9.0	10.3	4.2	8.6	6.0	0.9	3.1
8	11.4	10.4	10.8	9.0	7.9	8.3	10.5	4.4	7.8	7.0	1.0	3.6
9	11.4	10.2	11.0	9.3	6.0	7.8	10.0	4.9	8.2	6.3	1.8	4.1
10	12.0	9.0	11.0	10.2	8.1	9.2	9.8	4.5	7.9	7.3	0.6	4.1
11	12.4	8.2	10.8	10.4	8.5	9.5	9.5	4.9	7.9	4.9	0.1	1.3
12	12.8	8.1	10.9	11.4	8.8	9.5	9.1	7.5	8.2	2.8	0.1	0.9
13	12.4	8.6	11.4	11.1	7.0	9.5	8.8	4.0	7.1	2.3	0.1	0.5
14	12.7	8.0	10.1	12.5	8.9	11.2	9.5	6.5	7.9	1.0	0.1	0.2
15	12.8	8.8	10.8	11.2	4.6	8.9	8.7	7.5	8.0	1.1	0.1	0.2
16	---	---	---	10.5	4.4	6.4	8.4	5.9	7.2	1.1	0.1	0.2
17	---	---	---	11.0	6.2	9.2	7.8	3.4	6.0	1.3	0.1	0.2
18	---	---	---	10.6	5.7	8.7	7.8	3.7	5.9	1.3	0.1	0.1
19	---	---	---	11.2	6.6	10	8.2	3.4	5.7	0.3	0.1	0.1
20	---	---	---	10.6	6.9	9.5	8.7	3.9	6.8	4.3	0.1	0.6
21	13.8	11.6	12.7	10.9	8.0	9.4	8.2	1.8	5.8	1.7	0.0	0.4
22	14.7	10.6	12.9	10.1	7.6	8.8	8.1	1.4	5.6	3.8	0.0	0.3
23	14.7	10.6	13.2	8.8	6.4	7.6	8.1	2.1	4.8	4.0	0.0	1.5
24	13.9	11.4	13.1	10.5	5.7	7.5	8.6	0.9	5.5	5.6	0.6	3.2
25	14.4	11.8	13.2	10.0	5.4	7.6	7.0	4.3	5.7	6.6	0.3	4.5
26	13.3	12.3	12.7	10.1	3.7	6.6	7.4	1.2	5.4	7.9	0.6	5.1
27	13.1	12.3	12.7	9.7	2.4	5.0	8.0	4.7	6.9	7.9	4.0	6.4
28	14.1	11.4	12.5	10.5	1.1	6.7	7.6	3.8	6.4	7.2	4.0	5.9
29	14.6	10.9	12.7	9.6	5.2	8.6	6.8	3.1	5.1	6.3	3.4	5.1
30	---	---	---	9.8	6.0	8.2	6.8	1.8	3.9	5.4	2.4	4.3
31	---	---	---	9.0	4.6	6.5	---	---	---	5.1	2.0	4.0
MONTH	---	---	---	14.2	1.1	8.6	10.5	0.9	7.1	9.2	0.0	3.0

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.4	4.2	5.7	5.8	0.2	2.8	3.8	1.1	2.8	7.1	2.3	4.0
2	6.7	2.9	5.6	4.2	0.0	1.0	3.9	1.6	2.7	7.9	2.5	5.9
3	6.4	2.1	5.2	4.0	0.1	0.8	5.0	2.8	3.9	7.8	4.4	6.4
4	5.2	1.0	3.4	2.8	0.3	0.9	4.6	2.3	3.4	8.5	1.9	5.7
5	7.8	3.3	5.2	3.0	0.0	0.9	6.3	0.9	3.2	7.9	2.8	6.7
6	6.8	2.4	5.2	5.5	0.1	1.4	6.8	1.6	5.0	6.4	2.0	4.9
7	7.2	1.3	4.7	3.4	0.1	0.7	6.2	2.5	4.7	3.2	0.4	1.9
8	4.4	1.1	2.9	3.5	0.3	1.0	4.2	0.1	2.3	5.3	0.3	2.3
9	6.3	0.8	3.0	1.9	0.1	0.5	4.4	0.1	1.7	5.9	1.4	4.5
10	6.4	0.4	3.9	2.8	0.1	0.6	4.9	0.0	1.4	7.0	1.2	3.7
11	6.3	2.4	4.8	3.9	0.2	0.9	3.8	0.8	1.2	8.6	5.2	7.5
12	6.2	2.9	5.0	3.4	0.3	1.1	5.4	0.3	2.3	9.2	5.5	7.7
13	6.4	4.2	5.3	6.2	0.4	1.9	5.2	0.2	3.6	8.3	5.9	7.7
14	5.9	2.1	4.7	4.8	0.1	1.3	5.4	2.1	4.1	8.2	4.6	7.2
15	5.6	1.8	3.6	6.9	0.1	2.9	4.9	2.6	3.8	7.7	1.7	5.2
16	4.7	1.8	3.2	5.7	0.9	3.6	6.1	1.9	3.8	5.4	2.3	3.6
17	5.0	0.8	3.2	3.5	0.1	2.1	6.3	1.2	3.4	5.8	2.5	3.5
18	5.8	1.6	4.3	2.3	0.1	0.8	4.6	0.1	1.1	7.3	4.2	6.2
19	5.7	2.0	4.0	5.8	0.1	1.0	1.1	0.1	0.2	7.3	4.4	5.9
20	5.4	1.9	3.9	4.8	1.0	3.2	1.3	0.0	0.3	8.3	6.7	7.3
21	5.7	2.2	4.1	5.4	0.1	4.1	4.5	0.0	0.3	7.5	4.3	5.9
22	4.1	0.3	2.4	7.6	2.0	5.6	5.2	0.1	1.8	8.2	4.3	5.8
23	5.4	1.8	3.0	6.6	0.1	2.0	6.9	0.5	3.4	8.0	4.0	5.2
24	5.8	0.9	3.6	5.8	0.1	1.9	7.1	0.9	5.5	8.7	4.6	6.8
25	5.6	1.7	3.4	6.1	2.1	5.1	6.6	4.5	5.5	8.1	5.4	7.2
26	6.8	1.9	5.2	5.6	0.1	2.8	6.2	3.0	5.0	7.4	6.0	7.1
27	5.9	1.6	4.3	2.2	0.1	0.7	7.2	1.9	5.3	6.6	4.3	5.5
28	5.8	0.7	2.7	4.5	0.0	1.1	7.6	1.3	5.7	6.4	1.9	4.7
29	6.1	1.9	4.0	3.1	0.0	0.9	6.2	1.2	3.4	6.4	4.3	5.3
30	4.8	1.5	3.2	5.2	0.0	2.3	7.1	1.5	4.8	7.5	4.1	5.3
31	---	---	---	4.6	1.7	2.9	6.1	3.4	4.2	---	---	---
MONTH	7.8	0.3	4.1	7.6	0.0	1.9	7.6	0.0	3.2	9.2	0.3	5.6

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	110	85	97	156	103	119	102	85	91	107	89	96
2	105	85	91	152	108	132	92	85	90	118	93	101
3	110	83	91	141	114	128	91	85	88	107	87	97
4	---	---	---	129	90	115	92	86	87	107	66	94
5	---	---	---	131	80	111	88	84	86	90	56	75
6	---	---	---	112	74	97	88	82	84	87	79	84
7	107	67	92	89	73	82	89	83	85	87	80	83
8	94	36	74	89	77	84	95	83	87	97	80	86
9	82	66	74	90	81	86	94	86	91	93	84	87
10	86	75	80	96	84	91	96	82	91	94	85	88
11	89	74	81	97	89	92	88	82	86	99	85	91
12	104	77	88	102	88	93	95	84	87	106	92	96
13	111	62	88	92	83	88	94	86	88	110	92	99
14	94	68	78	---	---	---	89	86	87	104	95	99
15	87	71	78	108	87	94	89	85	87	102	97	99
16	102	73	80	---	---	---	89	81	85	104	95	99
17	116	73	90	---	---	---	90	81	85	111	94	100
18	97	81	91	---	---	---	84	78	82	111	96	101
19	117	84	97	90	62	76	84	79	82	107	94	100
20	---	---	---	80	72	75	85	79	81	105	96	100
21	---	---	---	104	73	83	89	79	83	105	95	100
22	104	79	89	113	77	93	88	81	84	106	98	102
23	109	84	95	106	81	93	89	82	85	105	95	100
24	107	90	97	104	76	94	92	83	88	112	94	100
25	101	79	94	93	80	87	90	81	86	101	91	95
26	121	82	98	101	81	90	86	77	82	95	90	92
27	112	83	97	98	90	93	95	82	86	98	90	93
28	106	72	98	101	61	89	104	84	89	96	90	93
29	113	88	97	86	67	80	105	87	93	105	88	96
30	121	88	103	100	79	86	102	82	94	107	98	103
31	120	95	106	---	---	---	99	86	91	104	94	98
MONTH	---	---	---	---	---	---	105	77	87	118	56	95
		FEBRUARY			MARCH			APRIL			MAY	
1	104	93	96	107	93	100	99	74	89	74	25	54
2	98	93	95	99	90	95	106	83	90	81	44	64
3	105	93	101	115	84	97	103	87	95	83	55	71
4	107	99	102	118	86	104	104	94	99	96	64	76
5	103	92	97	111	84	98	94	89	91	96	79	88
6	103	94	99	101	66	84	114	86	96	115	65	93
7	104	91	97	89	68	82	119	86	103	132	77	108
8	94	87	90	77	66	70	115	90	105	116	87	103
9	95	88	91	79	63	70	117	99	107	139	76	110
10	100	89	95	81	66	74	107	90	100	144	99	117
11	110	95	103	87	78	82	112	91	102	149	78	112
12	104	88	96	104	76	88	101	85	91	134	71	96
13	100	89	94	101	87	93	99	77	86	117	64	91
14	108	97	102	102	91	96	106	80	89	114	50	86
15	101	84	95	96	87	92	97	83	91	123	33	74
16	90	83	87	94	78	88	113	87	98	124	37	80
17	94	88	91	95	81	86	116	83	104	142	50	91
18	94	86	90	103	79	91	116	88	104	122	70	95
19	105	84	93	95	78	90	114	80	101	113	69	93
20	118	84	100	98	77	85	122	80	103	131	20	83
21	101	82	93	95	74	82	119	96	105	141	45	87
22	115	92	101	90	73	80	103	85	94	96	34	74
23	108	89	102	94	74	83	113	82	99	104	10	58
24	105	90	99	103	79	89	104	68	90	93	42	64
25	106	89	97	134	82	102	81	64	73	121	42	82
26	97	84	90	132	101	115	89	54	72	123	63	91
27	90	84	88	129	101	118	89	61	79	110	68	88
28	99	84	89	115	92	105	96	67	81	94	70	85
29	122	87	101	97	87	92	93	55	84	86	64	75
30	---	---	---	105	88	96	88	55	71	72	49	63
31	---	---	---	111	82	96	---	---	---	73	52	61
MONTH	122	82	96	134	63	91	122	54	93	149	10	84

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	99	48	76	132	67	100	66	26	53	110	70	91
2	99	71	84	115	58	92	62	32	49	99	77	86
3	114	69	88	128	53	92	67	33	50	113	80	95
4	85	40	67	109	31	72	87	27	54	126	91	103
5	115	55	81	129	30	75	86	40	61	116	91	100
6	95	60	83	96	57	81	86	40	59	99	82	91
7	118	71	89	121	63	87	101	66	82	95	62	78
8	107	54	88	78	18	53	131	71	93	79	42	66
9	119	52	86	134	43	86	130	61	95	98	45	79
10	105	60	84	117	56	96	124	67	91	104	73	87
11	107	73	89	91	49	80	123	56	88	104	87	95
12	91	60	72	97	63	81	92	43	69	111	89	99
13	87	65	74	150	61	97	78	40	67	101	88	95
14	81	56	74	105	76	87	75	60	65	99	87	93
15	82	57	72	133	65	91	71	42	60	110	79	93
16	77	54	68	91	68	80	120	54	83	124	91	104
17	80	60	74	92	59	83	120	62	91	105	65	89
18	95	59	74	84	52	71	110	21	81	88	73	81
19	110	62	84	110	43	75	149	70	101	90	75	81
20	102	64	77	83	54	68	103	33	78	94	79	86
21	90	54	70	135	62	84	83	38	69	104	81	90
22	76	53	65	117	81	105	81	45	70	124	83	97
23	111	61	79	110	18	86	93	66	79	122	93	106
24	119	71	94	102	54	81	88	53	76	112	96	104
25	143	81	106	108	64	81	83	53	65	98	86	93
26	93	56	82	91	70	82	77	55	71	93	75	87
27	129	70	93	104	35	78	97	66	82	94	74	82
28	111	54	75	81	43	63	122	84	96	87	61	76
29	127	50	82	71	19	55	113	59	90	107	66	86
30	123	62	96	70	29	53	93	33	76	102	62	84
31	---	---	---	68	42	51	135	75	98	---	---	---
MONTH	143	40	81	150	18	80	149	21	76	126	42	90

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	113	41	74	112	50	81	105	84	93	111	45	70
2	109	70	94	111	48	81	97	87	94	57	36	44
3	109	75	92	110	54	84	97	89	93	66	33	45
4	---	---	---	112	23	84	94	91	92	50	37	43
5	---	---	---	83	2	47	93	89	91	---	---	---
6	---	---	---	58	5	31	93	88	89	---	---	---
7	68	5	34	84	2	36	93	88	91	---	---	---
8	88	7	51	92	17	76	93	85	89	---	---	---
9	88	70	80	95	71	89	102	74	87	---	---	---
10	92	82	86	98	82	90	100	79	95	---	---	---
11	94	80	85	97	73	86	96	88	94	---	---	---
12	87	54	73	99	63	83	97	90	94	---	---	---
13	84	44	65	96	83	91	102	91	97	---	---	---
14	82	43	65	---	---	---	99	93	96	---	---	---
15	78	58	69	112	79	95	99	92	96	---	---	---
16	92	58	70	---	---	---	98	88	92	---	---	---
17	99	55	70	---	---	---	101	84	92	---	---	---
18	101	44	86	---	---	---	96	79	91	---	---	---
19	112	47	86	79	52	65	97	84	93	---	---	---
20	101	24	66	79	68	74	100	87	95	---	---	---
21	95	32	63	89	62	74	101	90	96	---	---	---
22	106	72	90	91	56	75	99	63	90	---	---	---
23	111	72	94	82	58	71	90	61	71	---	---	---
24	105	74	93	89	49	65	83	60	68	---	---	---
25	98	67	89	89	50	75	89	60	73	---	---	---
26	96	59	79	99	53	85	82	63	74	---	---	---
27	85	55	70	99	48	84	98	59	78	---	---	---
28	99	44	68	95	50	78	97	66	75	---	---	---
29	104	48	87	90	70	83	84	55	70	---	---	---
30	99	58	83	104	81	88	100	54	72	---	---	---
31	102	60	85	---	---	---	97	57	79	88	68	81
MONTH	---	---	---	---	---	---	105	54	87	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	91	71	83	99	64	85	95	56	83	56	17	37
2	89	78	85	104	70	86	97	78	86	88	28	59
3	96	67	88	131	78	97	97	59	86	92	46	75
4	96	79	90	115	72	92	97	73	91	90	57	78
5	97	81	89	95	51	69	90	81	86	102	33	72
6	96	77	92	111	51	82	96	57	82	82	24	61
7	102	89	95	100	75	86	99	40	81	68	10	35
8	96	88	91	86	74	78	104	42	75	81	11	42
9	96	86	92	87	56	73	100	47	81	74	20	47
10	101	75	92	91	75	84	99	44	79	87	7	48
11	106	69	91	93	76	85	98	49	80	58	1	16
12	109	68	92	106	79	86	94	76	84	33	1	11
13	106	72	96	103	63	87	92	40	73	27	1	6
14	108	67	85	115	81	103	97	67	81	12	1	2
15	109	74	91	103	42	81	89	76	81	13	1	2
16	---	---	---	99	40	59	86	60	73	13	1	2
17	---	---	---	103	57	86	80	35	61	15	1	3
18	---	---	---	98	52	80	81	38	60	16	1	2
19	---	---	---	106	61	93	87	35	59	3	1	1
20	---	---	---	100	64	88	93	40	71	52	1	7
21	118	97	108	105	75	89	90	19	61	20	0	5
22	127	90	110	94	71	82	89	14	60	46	0	3
23	127	91	114	81	60	71	90	22	52	48	0	18
24	120	98	114	99	53	70	98	9	60	68	7	38
25	125	101	114	95	50	72	78	47	62	81	4	55
26	114	102	107	95	34	62	84	13	61	100	7	63
27	109	102	105	95	22	47	90	52	78	101	50	80
28	119	94	103	105	10	66	85	42	70	91	50	74
29	123	90	106	94	50	84	75	34	57	80	43	64
30	---	---	---	95	57	79	77	20	43	68	30	53
31	---	---	---	88	43	62	---	---	---	64	25	50
MONTH	---	---	---	131	10	79	104	9	72	102	0	36

0209265810 NEUSE RIVER AT CHANNEL LIGHT 9—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	94	52	71	75	3	36	50	14	37	89	29	51
2	85	36	71	54	0	12	51	21	36	99	32	74
3	81	26	65	51	1	11	64	36	51	97	55	80
4	65	12	43	36	4	11	59	30	44	107	24	71
5	99	41	66	39	0	12	82	12	41	101	35	85
6	85	30	66	73	1	19	87	21	64	81	25	61
7	91	16	59	44	1	9	77	31	59	40	5	24
8	55	14	36	46	4	13	53	1	29	67	4	29
9	80	10	38	25	1	6	55	1	22	74	18	56
10	82	5	50	37	1	8	62	0	18	87	15	46
11	80	30	61	51	3	11	48	10	15	107	65	93
12	80	37	63	44	4	15	68	4	29	114	68	95
13	80	53	66	81	5	24	66	3	46	101	72	94
14	74	26	58	63	1	17	67	27	51	100	56	87
15	70	22	45	90	1	38	61	32	47	93	21	63
16	59	22	41	74	12	47	76	24	48	65	28	44
17	63	10	40	46	1	27	78	15	42	71	30	43
18	74	20	54	30	1	10	58	1	14	88	51	75
19	75	25	51	75	1	13	14	1	3	86	53	70
20	69	24	50	62	13	41	16	0	3	95	77	84
21	73	28	52	70	1	53	58	0	4	87	50	68
22	52	4	31	101	26	73	66	1	22	95	49	66
23	70	23	39	87	1	26	86	6	42	94	46	60
24	75	11	46	75	1	25	89	11	68	103	53	79
25	72	22	43	80	27	66	83	56	69	96	63	85
26	87	24	66	73	1	36	78	37	63	88	71	83
27	76	20	54	29	1	9	90	24	66	78	51	65
28	75	9	35	58	0	14	96	16	72	76	22	55
29	78	24	52	40	0	12	79	15	43	76	51	63
30	62	19	41	68	0	29	90	19	61	90	49	63
31	---	---	---	60	22	38	77	43	53	---	---	---
MONTH	99	4	52	101	0	25	96	0	41	114	4	67

02093000 NEW RIVER NEAR GUM BRANCH, NC

LOCATION.--Lat 34°50'57", long 77°31'10", Onslow County, Hydrologic Unit 03030001, on right bank 5 ft downstream of Secondary Road 1314, 0.7 mi downstream of Jenkins Swamp, 1.8 mi southwest of Gum Branch, and 3.8 mi southeast of Richlands.

DRAINAGE AREA.--94 mi^2.

PERIOD OF RECORD.--August 1949 to September 1973. July 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929 (levels by U.S. Army Corps of Engineers). Aug. 19, 1949, to Mar. 22, 1950, nonrecording gage and Mar. 23, 1950, to Mar. 25, 1969, water-stage recorder at site 0.2 mi upstream at 2.52 ft. Mar. 26, 1969, to Sept. 1973 water-stage recorder at present site and datum. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair except those below 150 ft^3/s, which are poor. Maximum discharge for period of record from rating curve extended above 3,000 ft^3/s by logarithmic plotting. Low flows affected by tide.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1908 reached a stage of about 18 ft at former site and datum, from information by local resident.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	718	76	105	85	255	75	205	63	51	42	265
2	66	381	73	97	77	200	64	466	45	50	67	524
3	59	291	68	94	84	166	56	536	37	101	187	323
4	57	241	74	89	83	141	46	825	31	88	118	221
5	48	205	181	88	77	124	42	631	35	225	84	162
6	44	223	146	86	75	116	43	319	31	126	341	188
7	41	344	119	77	109	103	42	214	31	62	287	347
8	59	241	111	78	93	98	40	152	63	46	153	305
9	867	196	100	78	84	90	38	112	78	36	94	336
10	1,140	166	118	85	80	89	43	94	44	30	73	281
11	766	145	585	78	75	81	62	84	436	36	53	211
12	429	131	502	80	130	80	248	71	331	40	46	165
13	300	118	305	75	209	75	255	64	130	29	432	129
14	248	100	613	73	172	71	336	58	82	26	1,010	121
15	286	93	971	69	284	67	231	52	62	26	2,100	196
16	234	88	673	66	343	100	157	48	47	23	2,110	214
17	185	85	422	63	325	128	120	41	49	21	1,360	179
18	153	89	353	71	377	104	98	39	42	21	650	205
19	134	135	287	72	291	94	86	32	75	20	332	232
20	121	303	240	66	224	84	76	32	51	20	235	174
21	108	217	200	61	183	78	64	33	39	22	174	138
22	101	167	176	58	150	68	55	31	31	19	164	112
23	90	142	161	57	127	65	48	27	30	33	144	89
24	88	125	234	54	143	58	44	27	99	103	123	79
25	85	112	233	52	144	51	43	26	55	38	100	75
26	84	102	190	78	210	51	38	24	39	50	97	69
27	96	100	163	112	508	53	59	21	32	32	121	70
28	146	98	151	132	487	53	49	20	37	25	95	114
29	1,260	86	135	109	345	50	39	19	180	27	139	111
30	1,970	78	126	99	---	49	38	114	76	35	305	85
31	1,450	---	111	93	---	62	---	110	---	59	206	---
TOTAL	10,782	5,520	7,897	2,495	5,574	2,904	2,635	4,527	2,381	1,520	11,442	5,720
MEAN	348	184	255	80.5	192	93.7	87.8	146	79.4	49.0	369	191
MAX	1,970	718	971	132	508	255	336	825	436	225	2,110	524
MIN	41	78	68	52	75	49	38	19	30	19	42	69
CFSM	3.70	1.96	2.71	0.86	2.04	1.00	0.93	1.55	0.84	0.52	3.93	2.03
IN.	4.27	2.18	3.13	0.99	2.21	1.15	1.04	1.79	0.94	0.60	4.53	2.26

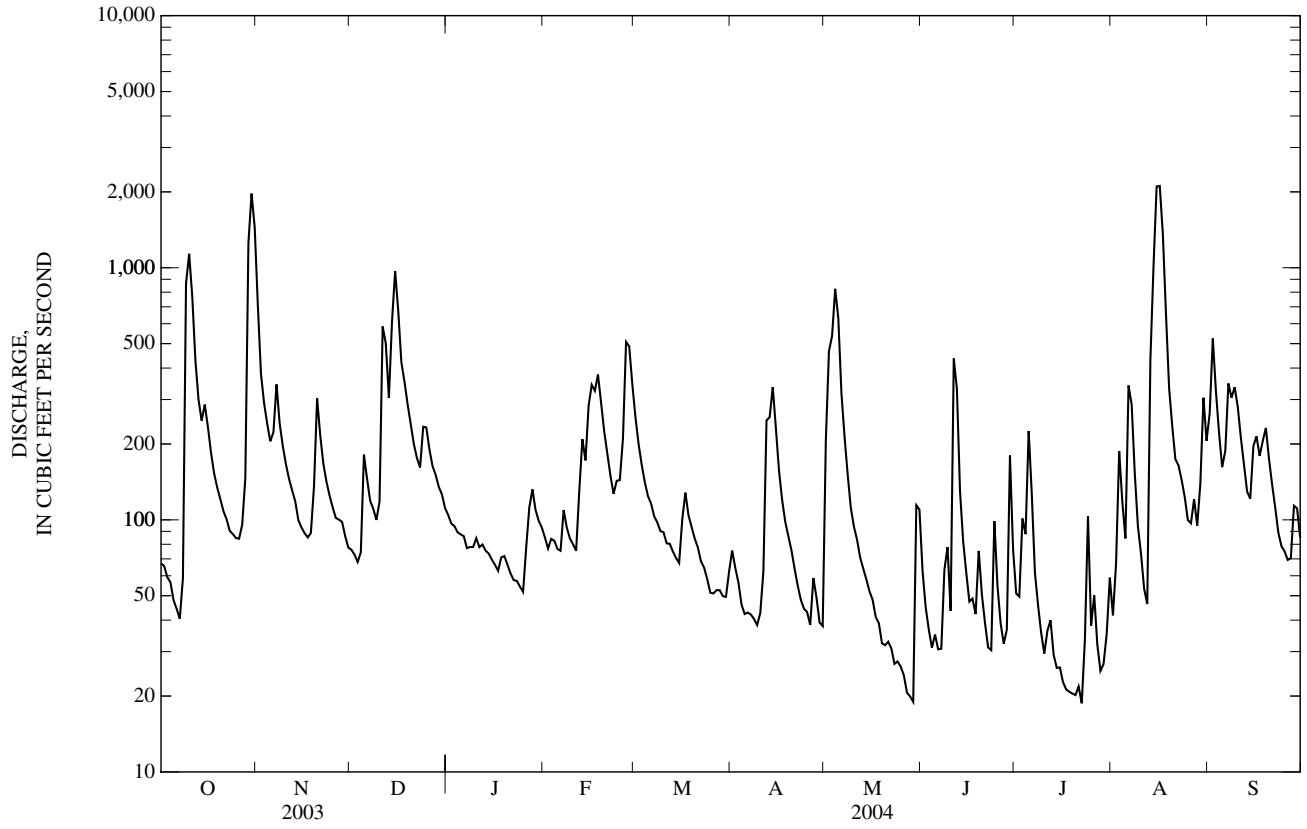
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2004,@ BY WATER YEAR (WY)

MEAN	84.3	64.6	93.5	150	175	181	117	72.2	95.1	119	114	124
MAX	553	190	277	374	584	418	377	188	423	717	734	1,110
(WY)	(1972)	(1970)	(1958)	(1993)	(1998)	(1959)	(1973)	(1969)	(1961)	(1962)	(1955)	(1999)
MIN	2.01	4.30	13.3	32.4	33.1	27.7	21.0	16.4	11.3	7.21	6.25	4.25
(WY)	(1955)	(1955)	(1955)	(1955)	(1955)	(1955)	(1955)	(1957)	(1970)	(1993)	(1954)	(1954)

02093000 NEW RIVER NEAR GUM BRANCH, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1949 - 2004[@]	
ANNUAL TOTAL	83,640		63,397			
ANNUAL MEAN	229		173		116	
HIGHEST ANNUAL MEAN					208	1972
LOWEST ANNUAL MEAN					52.6	2002
HIGHEST DAILY MEAN	1,970	Oct 30	2,110	Aug 16	10,100	Sep 16, 1999
LOWEST DAILY MEAN	33	May 14	19	May 29	1.3	Aug 18, 2002
ANNUAL SEVEN-DAY MINIMUM	36	May 12	21	Jul 16	2.0	Oct 4, 1954
MAXIMUM PEAK FLOW			2,310	Aug 15	15000*	Sep 16, 1999
MAXIMUM PEAK STAGE			15.86	Aug 15	25.12	Sep 16, 1999
INSTANTANEOUS LOW FLOW			15*	Jul 20	0.62*	Aug 19, 2002
ANNUAL RUNOFF (CFSM)	2.44		1.84		1.23	
ANNUAL RUNOFF (INCHES)	33.10		25.09		16.77	
10 PERCENT EXCEEDS	554		338		249	
50 PERCENT EXCEEDS	125		94		55	
90 PERCENT EXCEEDS	48		37		13	

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



02093800 REEDY FORK NEAR OAK RIDGE, NC

LOCATION.--Lat 36°10'21", long 79°57'10", Guilford County, Hydrologic Unit 03030002, on left bank at downstream side of bridge on Secondary Road 2128, 0.8 mi downstream of Beaver Creek, and 2 mi east of Oak Ridge.

DRAINAGE AREA.--20.6 mi^2.

PERIOD OF RECORD.--October 1955 to current year.

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 771.30 ft above NGVD of 1929. Prior to Dec. 13, 1955, nonrecording gage at same site and datum. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records poor. Some diurnal fluctuation at medium and low flows caused by upstream mill. Maximum discharge for period of record, from rating curve extended above 1,500 ft^3/s on basis of contracted-opening measurement; gage height: 10.94 ft. Minimum discharge for period of record also occurred Aug. 13, 14, 15, 2002.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	14	14	15	14	19	19	13	7.2	8.6	6.0	5.5
2	16	14	13	15	13	19	16	18	6.4	8.7	6.4	5.8
3	15	15	13	15	52	19	15	30	6.2	9.4	6.4	5.6
4	15	14	15	15	33	18	14	18	26	8.9	5.7	5.5
5	14	14	26	16	23	17	13	14	23	8.2	5.3	5.4
6	14	17	19	17	72	22	13	13	13	7.0	5.0	5.7
7	14	23	16	14	166	20	13	12	11	6.5	4.7	8.1
8	14	17	15	14	47	17	13	11	17	6.2	4.6	217
9	19	15	15	15	33	17	13	13	25	6.1	4.6	111
10	21	14	41	15	29	17	13	12	13	6.0	4.5	31
11	18	14	93	14	25	16	13	10	11	18	4.2	21
12	16	15	32	15	27	16	46	10	9.7	7.9	19	17
13	15	14	24	15	26	15	90	10	9.4	6.4	27	15
14	15	13	45	14	22	15	69	10	10	6.5	21	14
15	16	14	55	14	23	17	33	9.7	10	5.8	17	13
16	13	14	52	13	27	31	26	9.0	15	5.2	11	13
17	13	15	69	13	24	31	23	8.6	11	6.1	9.3	81
18	13	14	50	16	23	22	20	10	9.2	27	10	74
19	13	31	32	15	28	20	18	11	12	9.2	8.4	26
20	13	27	26	13	26	18	17	13	11	7.7	7.5	17
21	13	17	22	13	24	18	16	10	9.5	7.1	7.4	14
22	13	16	21	13	21	16	15	8.8	9.4	6.4	7.2	13
23	12	15	20	13	20	15	14	8.5	9.0	6.2	6.7	12
24	12	19	20	13	19	15	14	7.9	9.8	5.7	6.4	11
25	12	14	17	14	18	15	13	7.7	8.9	5.5	6.2	11
26	13	14	16	17	18	15	19	7.1	11	5.6	6.1	9.9
27	20	14	16	14	21	16	23	7.8	9.9	10	6.0	17
28	20	18	16	13	21	15	14	7.6	11	16	5.9	566
29	24	20	16	13	21	14	13	7.0	10	8.8	6.0	129
30	17	15	17	16	---	15	12	8.9	8.7	7.5	6.6	49
31	15	---	16	16	---	18	---	9.0	---	6.4	8.6	---
TOTAL	474	490	862	448	916	558	650	345.6	353.3	260.6	260.7	1,523.5
MEAN	15.3	16.3	27.8	14.5	31.6	18.0	21.7	11.1	11.8	8.41	8.41	50.8
MAX	24	31	93	17	166	31	90	30	26	27	27	566
MIN	12	13	13	13	13	14	12	7.0	6.2	5.2	4.2	5.4
CFSM	0.74	0.79	1.35	0.70	1.53	0.87	1.05	0.54	0.57	0.41	0.41	2.47
IN.	0.86	0.88	1.56	0.81	1.65	1.01	1.17	0.62	0.64	0.47	0.47	2.75

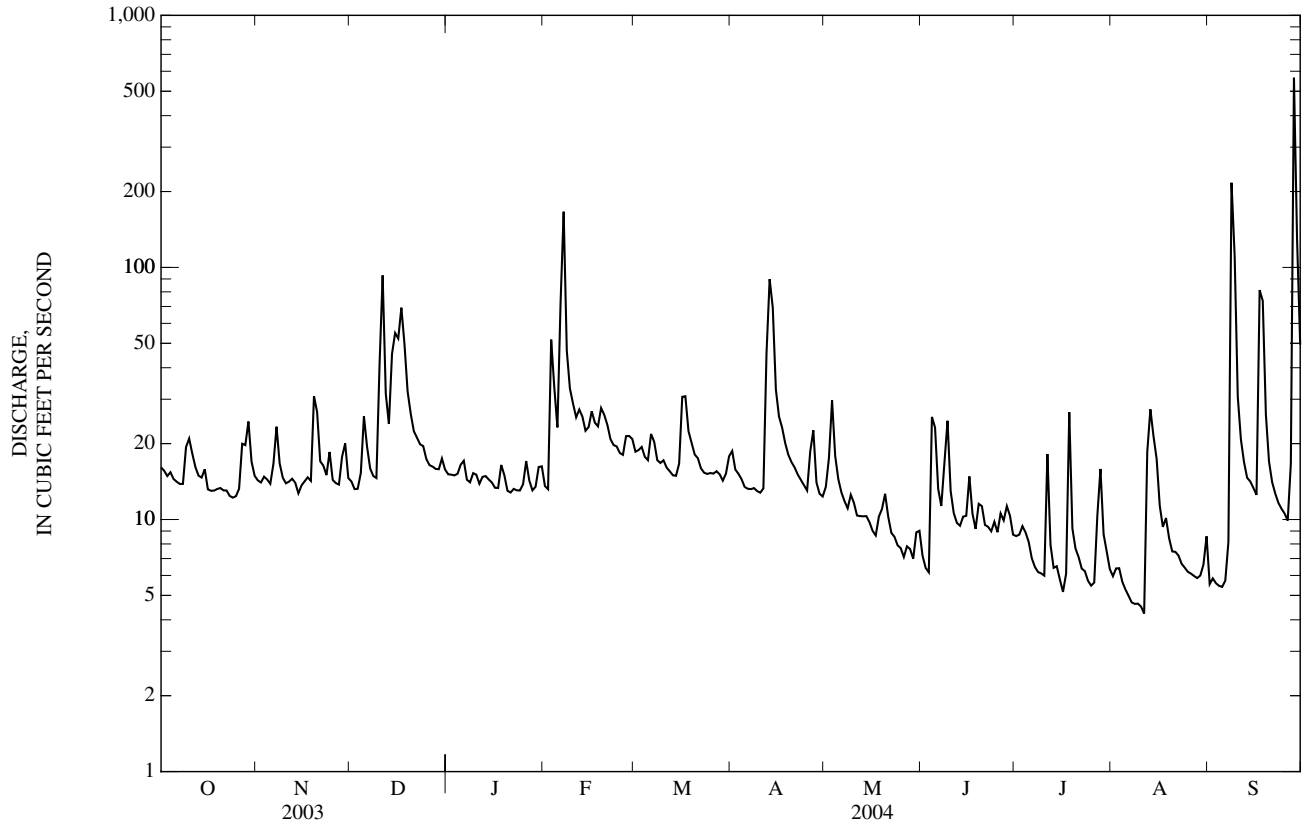
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2004, BY WATER YEAR (WY)

MEAN	18.3	17.6	23.4	29.8	34.7	37.5	30.0	22.8	18.9	18.6	16.8	19.9
MAX	80.2	40.4	48.7	82.0	78.7	102	75.8	58.9	74.4	152	62.0	100
(WY)	(1991)	(1986)	(1963)	(1978)	(1979)	(1975)	(1987)	(1991)	(1982)	(1984)	(1978)	(1996)
MIN	5.90	5.87	8.67	8.52	12.8	12.4	8.41	5.13	2.94	3.33	1.58	3.39
(WY)	(1968)	(2002)	(1956)	(1956)	(2002)	(1967)	(2002)	(2002)	(2002)	(2002)	(2002)	(1968)

02093800 REEDY FORK NEAR OAK RIDGE, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1956 - 2004	
ANNUAL TOTAL	14,741.5		7,141.7			
ANNUAL MEAN	40.4		19.5		24.0	
HIGHEST ANNUAL MEAN					44.8	2003
LOWEST ANNUAL MEAN					8.39	2002
HIGHEST DAILY MEAN	1,130	Mar 20	566	Sep 28	1,250	Jul 28, 1984
LOWEST DAILY MEAN	8.5	Sep 17	4.2	Aug 11	0.61	Aug 14, 2002
ANNUAL SEVEN-DAY MINIMUM	9.6	Sep 11	4.7	Aug 5	0.70	Aug 9, 2002
MAXIMUM PEAK FLOW			1,190	Sep 28	3950*	Oct 10, 1959
MAXIMUM PEAK STAGE			10.41	Sep 28	12.41	Sep 22, 1979
INSTANTANEOUS LOW FLOW			3.7	Aug 11	0.50*	Aug 13, 2002
ANNUAL RUNOFF (CFSM)	1.96		0.947		1.16	
ANNUAL RUNOFF (INCHES)	26.62		12.90		15.81	
10 PERCENT EXCEEDS	72		27		39	
50 PERCENT EXCEEDS	20		14		14	
90 PERCENT EXCEEDS	13		6.4		6.8	

* See REMARKS.



02093800 REEDY FORK NEAR OAK RIDGE, NC—Continued

PRECIPITATION RECORDS

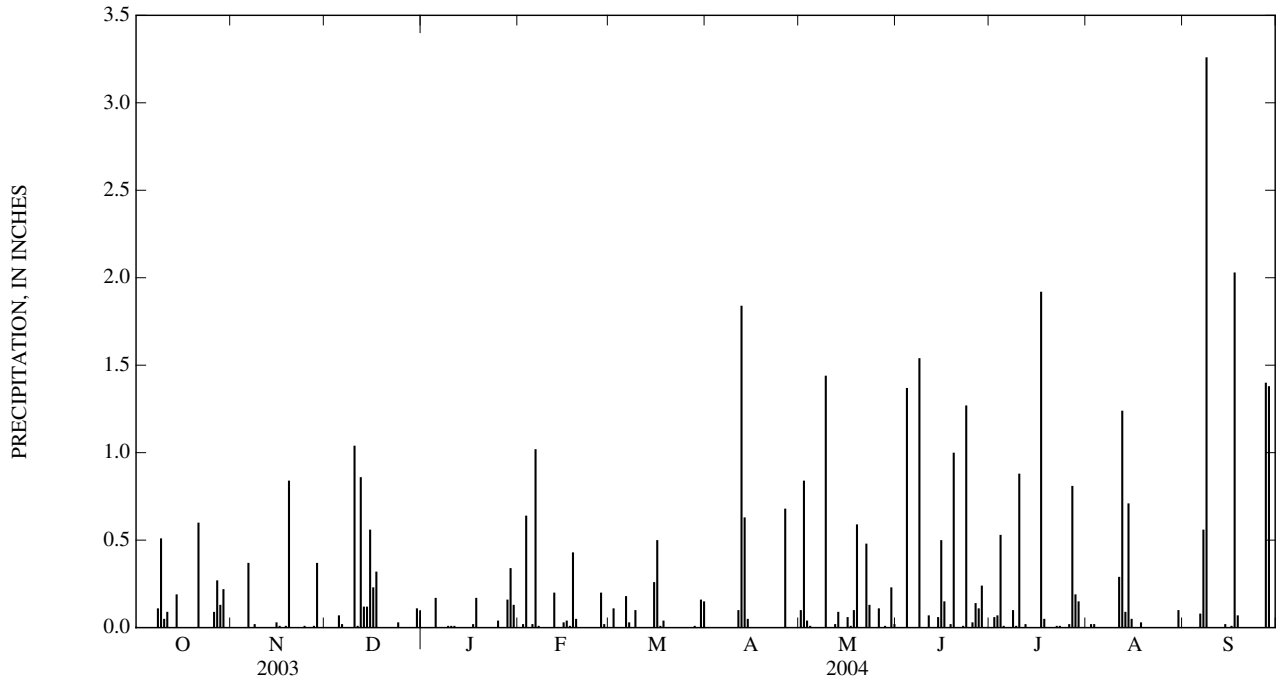
PERIOD OF RECORD.--November 1999 to current year. Records for November 1999 to September 2000 are unpublished and available in the USGS District Office in Raleigh, NC.

GAGE.--Tipping-bucket raingage and data collection platform. Satellite telemetry at station.

REMARKS.--Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.02	0.11	0.00	0.84	0.00	0.06	0.02	0.00
3	0.00	0.00	0.00	0.00	0.64	0.00	0.00	0.04	0.00	0.07	0.02	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.37	0.53	0.00	0.00
5	0.00	0.00	0.07	0.17	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.00
6	0.00	0.37	0.02	0.00	1.02	0.18	0.00	0.00	0.00	0.00	0.00	0.08
7	0.00	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.56
8	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	1.54	0.10	0.00	3.26
9	0.51	0.00	0.00	0.01	0.00	0.10	0.00	1.44	0.00	0.01	0.00	0.00
10	0.05	0.00	1.04	0.01	0.00	0.00	0.00	0.00	0.00	0.88	0.00	0.00
11	0.09	0.00	0.01	0.01	0.00	0.00	0.10	0.00	0.07	0.00	0.29	0.00
12	0.00	0.00	0.86	0.00	0.20	0.00	1.84	0.02	0.00	0.02	1.24	0.00
13	0.00	0.00	0.12	0.00	0.00	0.00	0.63	0.09	0.00	0.00	0.09	0.00
14	0.19	0.00	0.12	0.00	0.00	0.00	0.05	0.00	0.06	0.00	0.71	0.02
15	0.00	0.03	0.56	0.00	0.03	0.26	0.00	0.00	0.50	0.00	0.05	0.00
16	0.00	0.01	0.23	0.00	0.04	0.50	0.00	0.06	0.15	0.00	0.00	0.01
17	0.00	0.00	0.32	0.02	0.01	0.01	0.00	0.01	0.00	1.92	0.00	2.03
18	0.00	0.01	0.00	0.17	0.43	0.04	0.00	0.10	0.02	0.05	0.03	0.07
19	0.00	0.84	0.00	0.00	0.05	0.00	0.00	0.59	1.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.01	0.01	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	1.27	0.01	0.00	0.00
24	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
26	0.09	0.00	0.00	0.00	0.00	0.00	0.68	0.11	0.14	0.02	0.00	0.00
27	0.27	0.01	0.00	0.00	0.20	0.00	0.00	0.00	0.11	0.81	0.00	1.40
28	0.13	0.37	0.00	0.16	0.02	0.01	0.00	0.01	0.24	0.19	0.00	1.38
29	0.22	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00
30	0.00	0.00	0.11	0.13	---	0.16	0.00	0.23	0.00	0.00	0.10	0.00
31	0.00	---	0.00	0.00	---	0.15	---	0.02	---	0.00	0.00	---
TOTAL	2.26	1.67	3.49	1.06	2.69	1.55	3.30	4.28	6.51	4.84	2.55	8.81



0209387778 BRUSH CREEK AT FLEMING ROAD AT GREENSBORO, NC

LOCATION.--Lat 36°08'25", long 79°54'50", Guilford County, Hydrologic Unit 03030002, on left bank on downstream side of bridge on Fleming Road and 0.5 mi above Lake Higgins.

DRAINAGE AREA.--7.42 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1999 to March 2004 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 780 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor. Minimum discharge for period of record also occurred on June 25, Sept. 12, 13, 2002.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e6.1	5.8	5.3	4.9	5.3	e8.5	---	---	---	---	---	---
2	e5.5	5.3	5.0	4.9	5.2	e7.5	---	---	---	---	---	---
3	e5.1	5.1	4.8	5.0	25	e6.8	---	---	---	---	---	---
4	e5.0	5.2	7.0	5.1	9.5	e6.1	---	---	---	---	---	---
5	e4.8	5.3	12	6.0	7.1	e5.6	---	---	---	---	---	---
6	e4.7	8.5	6.7	5.8	29	e11	---	---	---	---	---	---
7	4.6	8.8	5.6	4.7	47	e6.0	---	---	---	---	---	---
8	e5.0	6.2	5.2	4.6	16	e5.5	---	---	---	---	---	---
9	9.2	5.6	5.2	5.9	13	e5.3	---	---	---	---	---	---
10	8.6	5.1	25	5.6	12	e6.5	---	---	---	---	---	---
11	8.4	5.1	26	4.9	11	e6.3	---	---	---	---	---	---
12	6.3	5.3	11	5.1	15	e5.9	---	---	---	---	---	---
13	5.7	5.2	9.5	5.1	12	e5.7	---	---	---	---	---	---
14	6.2	4.8	31	5.0	11	e5.4	---	---	---	---	---	---
15	e7.1	5.0	22	5.0	11	e6.7	---	---	---	---	---	---
16	e5.7	5.3	16	4.8	15	e16	---	---	---	---	---	---
17	5.4	5.2	27	4.7	10	e11	---	---	---	---	---	---
18	5.8	5.4	15	6.2	10	e7.5	---	---	---	---	---	---
19	5.7	28	11	5.5	11	e7.0	---	---	---	---	---	---
20	5.4	11	9.4	5.3	9.9	e6.4	---	---	---	---	---	---
21	5.6	6.8	6.4	5.1	e9.0	e7.1	---	---	---	---	---	---
22	5.4	6.0	6.1	5.1	e8.2	e5.8	---	---	---	---	---	---
23	5.3	5.7	6.0	5.2	e8.1	e5.2	---	---	---	---	---	---
24	5.5	5.6	6.5	5.1	e8.0	e5.0	---	---	---	---	---	---
25	5.6	5.3	5.7	5.7	e7.8	e5.1	---	---	---	---	---	---
26	6.3	5.2	5.3	5.9	e7.7	e5.1	---	---	---	---	---	---
27	10	5.2	5.3	5.3	e11	e5.0	---	---	---	---	---	---
28	8.6	8.9	5.2	5.6	e12	e5.2	---	---	---	---	---	---
29	15	7.9	5.1	6.5	e10	e4.8	---	---	---	---	---	---
30	6.8	5.5	6.3	7.5	---	e5.2	---	---	---	---	---	---
31	6.1	---	5.1	6.4	---	e7.3	---	---	---	---	---	---
TOTAL	200.5	203.3	322.7	167.5	366.8	207.5	---	---	---	---	---	---
MEAN	6.47	6.78	10.4	5.40	12.6	6.69	---	---	---	---	---	---
MAX	15	28	31	7.5	47	16	---	---	---	---	---	---
MIN	4.6	4.8	4.8	4.6	5.2	4.8	---	---	---	---	---	---
CFSM	0.87	0.91	1.40	0.73	1.71	0.90	---	---	---	---	---	---
IN.	1.01	1.02	1.62	0.84	1.84	1.04	---	---	---	---	---	---

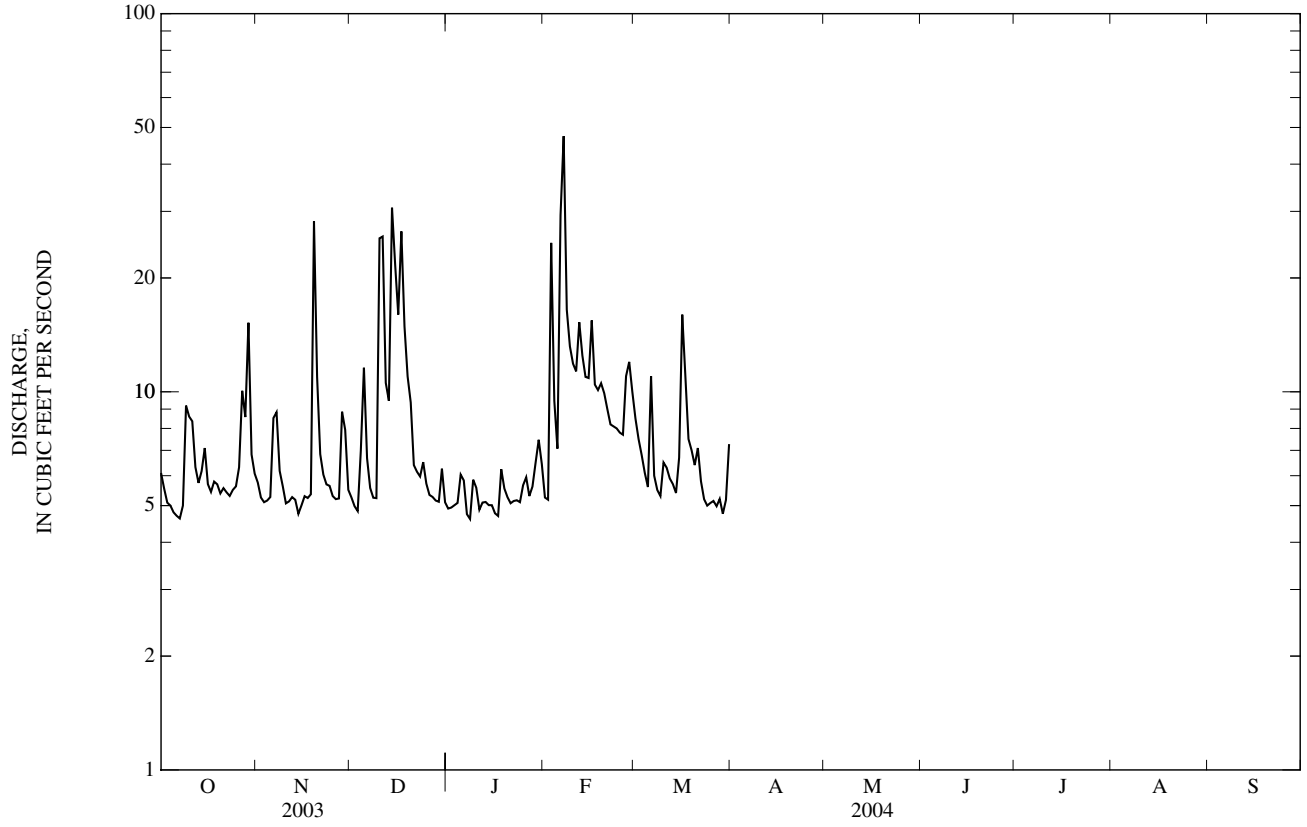
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	5.79	6.61	8.94	7.92	10.2	11.9	11.7	7.49	5.60	6.42	10.5	17.9
MAX	10.2	14.2	17.4	9.94	17.3	27.7	22.9	16.5	10.7	9.76	30.3	32.3
(WY)	(2003)	(2003)	(2003)	(2002)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)
MIN	2.22	1.90	5.03	5.40	4.73	4.84	2.58	1.77	2.26	2.67	1.91	1.46
(WY)	(2002)	(2002)	(2001)	(2004)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2001)

0209387778 BRUSH CREEK AT FLEMING ROAD AT GREENSBORO, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	6,037.4					
ANNUAL MEAN	16.5				9.27	
HIGHEST ANNUAL MEAN					18.1	2003
LOWEST ANNUAL MEAN					3.78	2002
HIGHEST DAILY MEAN	600	Sep 23	47	Feb 7	600	Sep 23, 2003
LOWEST DAILY MEAN	2.8	Jul 28	4.6	Oct 7	0.22	Sep 12, 2002
ANNUAL SEVEN-DAY MINIMUM	3.7	Jun 25	4.9	Jan 11	0.29	Jun 19, 2002
MAXIMUM PEAK FLOW			123	Feb 7	NOT DETERMINED	
MAXIMUM PEAK STAGE			5.24	Feb 7	9.57	Sep 23, 2003
INSTANTANEOUS LOW FLOW			NOT DETERMINED		0.19*	Jun 22, 2002
ANNUAL RUNOFF (CFSM)	2.23				1.25	
ANNUAL RUNOFF (INCHES)	30.31				17.00	
10 PERCENT EXCEEDS	27				18	
50 PERCENT EXCEEDS	7.5				4.1	
90 PERCENT EXCEEDS	4.2				1.2	

* See REMARKS.
e Estimated.



0209399200 HORSE PEN CREEK AT US HIGHWAY 220 NEAR GREENSBORO, NC

LOCATION.--Lat 36°08'16", long 79°51'36", Guilford County, Hydrologic Unit 03030002, on right bank, 300 ft downstream of U.S. Highway 220 bridge on gravel road to city lift station, 2.9 mi above Lake Brandt dam and 6.3 mi northwest of Greensboro.

DRAINAGE AREA.--15.9 mi^2

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 740 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

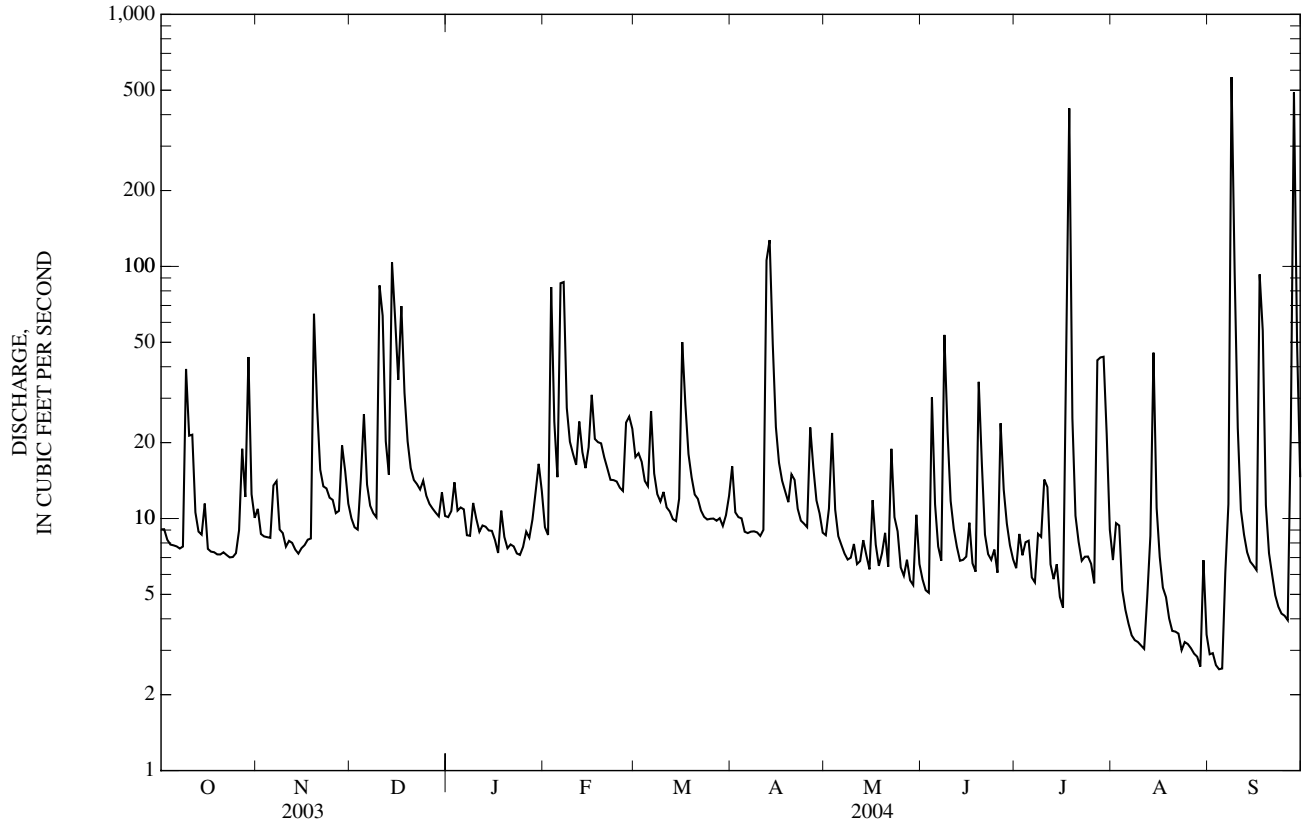
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	11	10	10	9.2	18	16	8.6	5.7	6.4	6.8	2.9
2	9.1	8.7	9.2	11	8.6	18	11	11	5.2	8.7	9.6	2.9
3	8.2	8.5	9.0	14	83	17	10	22	5.1	7.1	9.4	2.6
4	7.9	8.4	14	11	24	14	10	11	30	8.1	5.2	2.5
5	7.8	8.4	26	11	15	13	8.9	8.5	11	8.2	4.3	2.5
6	7.8	14	14	11	86	27	8.8	7.8	7.7	5.8	3.8	6.1
7	7.6	14	11	8.6	87	15	8.9	7.3	6.8	5.6	3.4	11
8	7.7	9.0	10	8.5	27	12	8.9	6.9	54	8.7	3.3	564
9	39	8.8	10	12	20	12	8.8	7.0	22	8.5	3.2	95
10	21	7.7	84	10	18	13	8.5	7.9	12	14	3.1	23
11	22	8.2	64	8.9	16	11	9.0	6.6	9.1	13	3.0	11
12	11	8.0	20	9.4	24	11	106	6.8	7.7	6.6	4.9	8.6
13	8.9	7.5	15	9.3	18	9.9	127	8.2	6.8	5.7	8.5	7.3
14	8.6	7.3	104	9.0	16	9.8	49	7.1	6.9	6.6	45	6.7
15	11	7.6	62	8.9	19	12	23	6.3	7.1	4.9	11	6.5
16	7.6	7.8	35	8.2	31	50	17	12	9.6	4.4	7.0	6.2
17	7.4	8.2	70	7.3	21	28	14	7.9	6.6	41	5.3	93
18	7.3	8.3	32	11	20	18	13	6.5	6.2	424	4.9	56
19	7.2	65	20	8.5	20	15	12	7.3	35	25	4.0	11
20	7.2	28	16	7.6	18	12	15	8.8	16	10	3.6	7.3
21	7.3	16	14	7.9	16	12	14	6.4	8.6	8.1	3.6	6.0
22	7.2	13	14	7.7	14	11	11	19	7.2	6.8	3.5	5.0
23	7.0	13	13	7.3	14	10	9.8	10	6.9	7.1	3.0	4.5
24	7.0	12	14	7.2	14	9.9	9.5	8.9	7.5	7.1	3.2	4.2
25	7.3	12	12	7.7	13	10	9.2	6.4	6.1	6.6	3.2	4.1
26	9.0	11	11	8.9	13	10	23	5.9	24	5.5	3.1	4.0
27	19	11	11	8.4	24	9.8	16	6.9	13	42	2.9	23
28	12	19	11	9.9	25	10	12	5.7	9.6	44	2.8	490
29	44	15	10	13	23	9.3	10	5.4	7.8	44	2.6	49
30	12	11	13	16	---	10	8.8	10	6.9	22	6.8	15
31	10	---	10	13	---	12	---	6.6	---	9.0	3.5	---
TOTAL	365.2	387.4	768.2	302.2	736.8	449.7	608.1	266.7	368.1	824.5	187.5	1,530.9
MEAN	11.8	12.9	24.8	9.75	25.4	14.5	20.3	8.60	12.3	26.6	6.05	51.0
MAX	44	65	104	16	87	50	127	22	54	424	45	564
MIN	7.0	7.3	9.0	7.2	8.6	9.3	8.5	5.4	5.1	4.4	2.6	2.5
CFSM	0.74	0.81	1.56	0.61	1.60	0.91	1.27	0.54	0.77	1.67	0.38	3.21
IN.	0.85	0.91	1.80	0.71	1.72	1.05	1.42	0.62	0.86	1.93	0.44	3.58

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	14.2	15.9	20.4	17.5	27.5	34.3	30.2	16.5	13.6	17.8	17.1	38.2
MAX	31.8	43.6	45.7	21.9	45.0	74.3	70.2	46.6	35.3	35.4	58.2	79.5
(WY)	(2003)	(2003)	(2003)	(2000)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2000)
MIN	6.74	5.08	8.86	9.75	9.21	13.2	5.46	3.32	4.68	4.11	4.98	5.95
(WY)	(2001)	(2002)	(2001)	(2004)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2001)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	14,798.5		6,795.3			
ANNUAL MEAN	40.5		18.6		22.3	
HIGHEST ANNUAL MEAN					46.5	2003
LOWEST ANNUAL MEAN					8.37	2002
HIGHEST DAILY MEAN	827	Mar 20	564	Sep 8	827	Mar 20, 2003
LOWEST DAILY MEAN	5.6	Jun 27	2.5	Sep 4	0.14	Aug 25, 2002
ANNUAL SEVEN-DAY MINIMUM	5.8	Jun 25	3.0	Aug 23	0.38	Aug 8, 2002
MAXIMUM PEAK FLOW			1,420	Jul 18	2,300	Sep 23, 2003
MAXIMUM PEAK STAGE			9.57	Jul 18	10.66	Sep 23, 2003
INSTANTANEOUS LOW FLOW			2.4	Sep 6	0.06	Aug 14, 2002
ANNUAL RUNOFF (CFSM)	2.55		1.17		1.40	
ANNUAL RUNOFF (INCHES)	34.62		15.90		19.07	
10 PERCENT EXCEEDS	90		27		43	
50 PERCENT EXCEEDS	15		9.8		9.1	
90 PERCENT EXCEEDS	7.6		5.3		2.9	

0209399200 HORSE PEN CREEK AT US HIGHWAY 220 NEAR GREENSBORO, NC—Continued



0209399200 HORSE PEN CREEK AT US HIGHWAY 220 NEAR GREENSBORO, NC—Continued

PRECIPITATION RECORDS

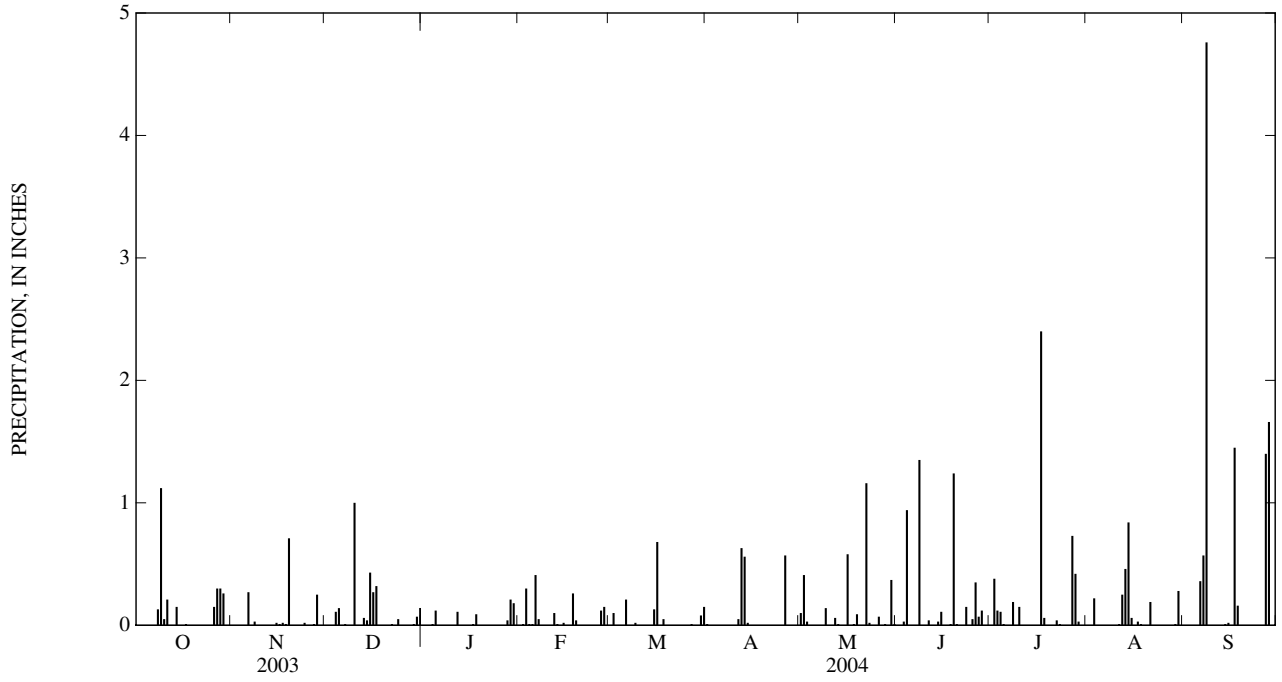
PERIOD OF RECORD.--August 1999 to current year.

GAGE.--Tipping-bucket raingage and data collection platform. Satellite telemetry at station.

REMARKS.--Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.10	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.01	0.10	0.00	0.41	0.00	0.38	0.00	0.00
3	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.03	0.03	0.12	0.22	0.00
4	0.00	0.00	0.11	0.01	0.01	0.00	0.00	0.00	0.94	0.11	0.00	0.00
5	0.00	0.00	0.14	0.12	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00
6	0.00	0.27	0.00	0.00	0.41	0.21	0.00	0.00	0.00	0.00	0.00	0.36
7	0.00	0.00	0.01	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.57
8	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	1.35	0.19	0.00	4.76
9	1.12	0.00	0.00	0.00	0.00	0.02	0.00	0.14	0.00	0.00	0.00	0.00
10	0.05	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00
11	0.21	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.04	0.00	0.01	0.00
12	0.00	0.00	0.00	0.11	0.10	0.00	0.63	0.06	0.00	0.00	0.25	0.00
13	0.00	0.00	0.06	0.00	0.01	0.00	0.56	0.01	0.00	0.00	0.46	0.00
14	0.15	0.00	0.04	0.00	0.00	0.00	0.02	0.00	0.03	0.00	0.84	0.01
15	0.00	0.02	0.43	0.00	0.02	0.13	0.00	0.00	0.11	0.00	0.06	0.02
16	0.00	0.01	0.27	0.00	0.00	0.68	0.00	0.58	0.00	0.00	0.00	0.00
17	0.01	0.02	0.32	0.01	0.00	0.00	0.00	0.00	0.00	2.40	0.03	1.45
18	0.00	0.01	0.00	0.09	0.26	0.05	0.00	0.01	0.01	0.06	0.01	0.16
19	0.00	0.71	0.00	0.00	0.04	0.00	0.00	0.09	1.24	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00
22	0.00	0.00	0.01	0.00	0.00	0.00	0.00	1.16	0.00	0.04	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.15	0.01	0.00	0.00
24	0.00	0.02	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
26	0.15	0.00	0.00	0.00	0.00	0.00	0.57	0.07	0.35	0.00	0.00	0.00
27	0.30	0.01	0.00	0.00	0.12	0.01	0.00	0.00	0.07	0.73	0.00	1.40
28	0.30	0.25	0.00	0.04	0.15	0.00	0.00	0.01	0.12	0.42	0.00	1.66
29	0.26	0.00	0.01	0.21	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00
30	0.00	0.00	0.07	0.18	---	0.08	0.00	0.37	0.00	0.00	0.28	0.00
31	0.00	---	0.00	0.00	---	0.15	---	0.01	---	0.00	0.00	---
TOTAL	2.68	1.35	2.52	0.77	1.49	1.43	1.84	3.07	4.50	4.65	2.36	10.39



02094500 REEDY FORK NEAR GIBSONVILLE, NC

LOCATION.--Lat 36°10'23", long 79°36'51", Guilford County, Hydrologic Unit 03030002, on right bank 0.2 mi downstream of Huffines Mill on Secondary Road 2719, 1.2 mi upstream from Buffalo Creek, and 6 mi northwest of Gibsonville.

DRAINAGE AREA.--131 mi^2.

PERIOD OF RECORD.--September 1928 to current year.

REVISED RECORDS.--WSP 1303: 1929-40 (monthly and yearly runoff). WSP 1383: 1929-30, 1933(M), 1934, 1937(M), 1939-42(M), 1948. WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder and rock-masonry contro1. Datum of gage is 626.88 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Flow regulated since 1923 by Lake Brandt (station 02094117), 14 mi upstream; since 1957 by Lake Higgins (station 02093981) on Brush Creek, a tributary to Lake Brandt; since 1943 by Richland Lake 12 mi. upstream from station; and since 1968 by Lake Townsend (station 02094305), 9 mi upstream from station. City of Greensboro diverted a daily average of 21.9 ft^3/s from Lake Brandt and a daily average of 32.2 ft^3/s from Lake Townsend for municipal water supply. Prior to regulation, maximum discharge: 11,600 ft^3/s, Sept. 25, 1947; gage height: 20.77 ft; minimum discharge not determined. Mimimum discharge for current water year also occurred Sept. 6.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1916 reached a stage of 17.90 ft, from information by local resident; discharge, 8,640 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	26	49	71	39	84	58	28	13	12	19	9.9
2	40	23	39	56	64	79	61	36	11	12	18	9.1
3	39	21	26	45	241	88	42	48	9.9	15	15	8.7
4	29	24	20	34	365	68	39	84	37	13	13	9.0
5	29	26	27	35	136	53	41	62	38	13	12	7.5
6	23	55	59	64	223	53	28	46	19	12	11	14
7	23	60	57	51	693	97	22	36	14	10	9.0	34
8	22	42	41	37	374	76	20	28	18	9.5	8.5	510
9	29	32	31	29	80	52	19	22	34	9.2	8.7	1,470
10	30	26	75	57	72	36	18	19	36	13	9.1	179
11	45	23	378	50	76	30	18	18	35	52	12	128
12	92	27	359	42	281	28	74	16	27	19	46	65
13	71	38	50	36	47	25	467	15	19	13	80	39
14	48	39	218	29	27	20	617	15	15	12	164	126
15	44	41	466	23	29	19	352	14	15	10	94	423
16	39	45	243	39	50	25	46	20	59	9.3	23	134
17	26	33	210	37	100	39	29	24	34	8.8	20	213
18	23	27	218	33	117	34	32	16	21	40	20	92
19	20	67	207	53	85	68	40	28	16	106	10	37
20	22	81	175	46	64	57	46	22	31	156	8.0	19
21	21	80	113	32	58	55	37	19	36	76	8.1	14
22	22	56	93	27	46	49	36	18	36	24	8.6	11
23	24	41	54	33	78	36	34	17	29	18	8.9	11
24	34	31	96	26	68	34	26	16	22	14	8.6	10
25	21	68	80	28	50	34	22	17	17	11	8.6	10
26	21	58	31	43	37	30	23	14	18	9.7	8.7	12
27	29	66	21	37	48	31	40	13	19	15	8.9	300
28	36	53	19	36	55	28	43	15	16	41	9.0	1,450
29	74	61	18	38	52	24	33	13	14	35	11	1,920
30	46	62	38	59	---	24	30	14	12	27	28	145
31	31	---	47	58	---	27	---	15	---	23	18	---
TOTAL	1,080	1,332	3,558	1,284	3,655	1,403	2,393	768	720.9	838.5	726.7	7,410.2
MEAN	34.8	44.4	115	41.4	126	45.3	79.8	24.8	24.0	27.0	23.4	247
MAX	92	81	466	71	693	97	617	84	59	156	164	1,920
MIN	20	21	18	23	27	19	18	13	9.9	8.8	8.0	7.5

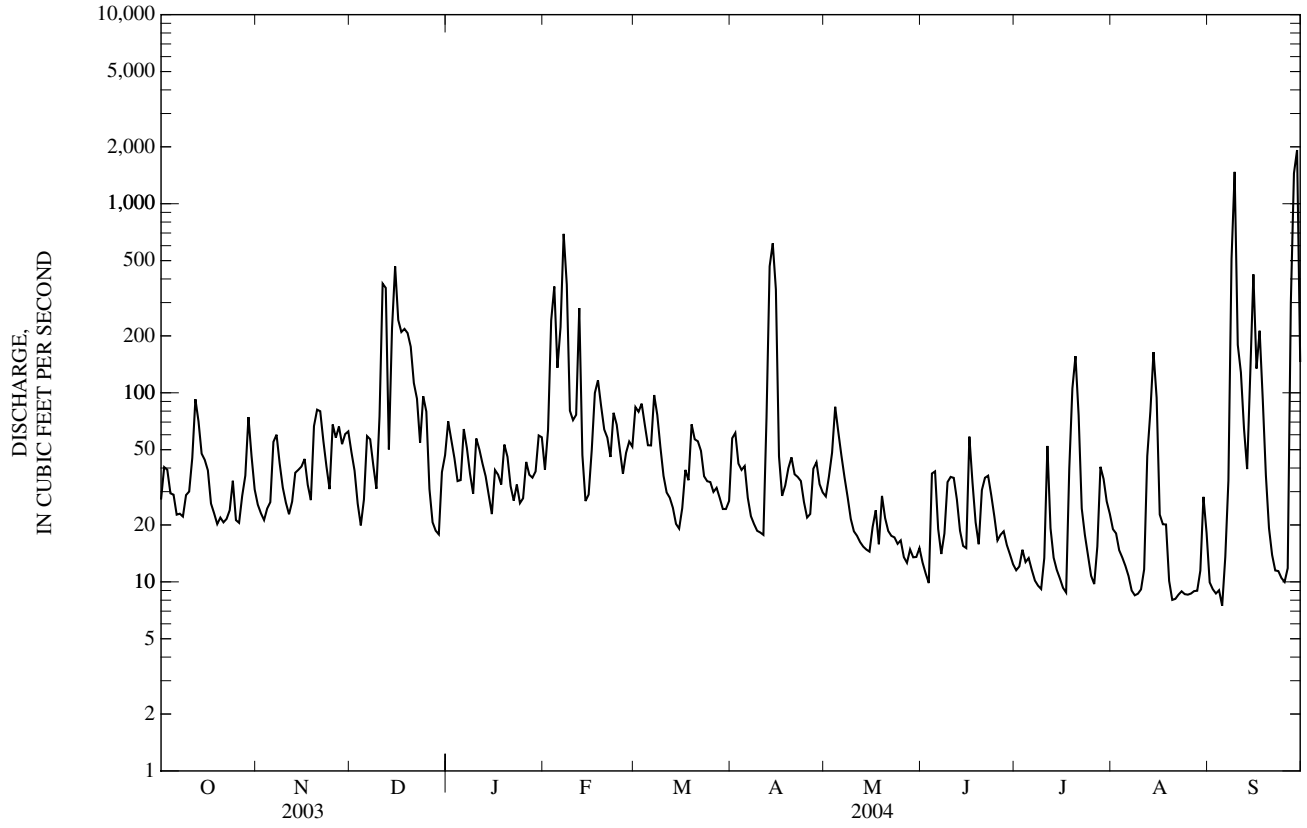
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2004,* BY WATER YEAR (WY)

MEAN	51.5	45.7	88.3	165	153	173	146	93.5	64.7	60.1	45.2	83.3
MAX	432	165	221	644	456	613	613	365	477	596	255	518
(WY)	(1991)	(1993)	(1973)	(1978)	(1979)	(1993)	(1987)	(1978)	(1982)	(1984)	(2003)	(1996)
MIN	2.85	6.70	5.97	11.1	18.7	16.4	9.65	5.38	4.23	2.83	1.92	3.31
(WY)	(1969)	(1970)	(1969)	(1981)	(2002)	(1976)	(2002)	(2002)	(2002)	(1986)	(2002)	(1983)

02094500 REEDY FORK NEAR GIBSONVILLE, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1969 - 2004*	
ANNUAL TOTAL	79,986		25,169.3			
ANNUAL MEAN	219		68.8		97.2	
HIGHEST ANNUAL MEAN					239	2003
LOWEST ANNUAL MEAN					15.6	2002
HIGHEST DAILY MEAN	3,910	Apr 11	1,920	Sep 29	5,230	Sep 6, 1996
LOWEST DAILY MEAN	14	Jan 28	7.5	Sep 5	0.27	Aug 17, 2002
ANNUAL SEVEN-DAY MINIMUM	19	Jan 23	8.5	Aug 20	0.61	Aug 11, 2002
MAXIMUM PEAK FLOW			2,130	Sep 29	6,330	Sep 6, 1996
MAXIMUM PEAK STAGE			7.64	Sep 29	15.65	Sep 6, 1996
INSTANTANEOUS LOW FLOW			7.2*	Sep 5	0.22	Aug 17, 2002
10 PERCENT EXCEEDS	562		102		263	
50 PERCENT EXCEEDS	68		33		22	
90 PERCENT EXCEEDS	25		12		5.8	

* Regulated period only (1969-2004). See REMARKS.



02094659 SOUTH BUFFALO CREEK NEAR POMONA, NC

LOCATION.--Lat 36°02'58", long 79°51'19", Guilford County, Hydrologic Unit 03030002, on right bank 300 ft upstream of culvert under Merritt Road, 0.7 mi south of post office at Pomona, and 1.0 mi below South Railway trestle.

DRAINAGE AREA.--7.33 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1999 to current year.

REVISED RECORDS.--WDR NC-03-1B: 1999-03 (M)

GAGE.--Water-stage recorder. Datum of gage is 771.84 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records poor. Maximum discharge for period of record from rating curve extended above 500 ft^3/s on basis of culvert computation of peak flow. Minimum discharge for period of record occurred several days in 2002.

REVISIONS.--The maximum peak stge for the period of record has been revised to 15.45 feet, superseding the figure published in WDR NC-03-1B.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	1.8	2.5	2.2	2.7	4.5	14	3.7	1.6	3.1	0.94	0.72
2	2.3	1.8	2.3	2.1	2.3	6.1	3.5	21	1.3	1.8	3.2	0.73
3	2.3	1.8	2.2	2.1	78	4.3	2.9	12	1.4	4.4	6.2	0.68
4	2.6	2.1	7.4	2.2	5.6	3.8	2.7	3.3	57	13	0.91	0.67
5	2.7	2.1	11	5.8	3.8	3.4	2.5	2.4	3.9	5.0	0.82	0.65
6	2.7	23	3.7	3.1	64	21	2.5	2.2	2.3	1.9	0.85	5.6
7	2.8	5.8	2.8	2.3	14	4.1	2.4	2.0	1.8	1.6	0.75	12
8	2.9	1.8	2.5	2.2	4.5	3.4	2.5	2.0	2.4	3.7	0.70	740
9	39	1.5	2.5	4.9	3.7	3.5	2.4	1.9	2.4	2.5	0.69	11
10	8.0	1.4	89	2.8	3.3	4.3	2.3	2.3	1.5	108	0.68	3.6
11	23	1.6	11	2.4	3.0	3.4	2.5	1.8	2.3	8.9	0.66	2.6
12	2.9	1.5	3.8	2.3	12	3.1	88	2.4	1.3	2.8	3.0	2.3
13	2.3	1.5	4.8	2.3	4.4	2.8	106	7.5	1.5	2.5	4.1	2.2
14	3.2	1.4	113	2.2	3.2	2.7	13	2.6	2.0	4.3	54	2.2
15	5.3	1.5	9.6	2.3	13	5.0	4.9	2.1	1.6	1.7	7.4	2.2
16	1.9	1.5	5.0	2.2	14	24	3.8	24	3.3	1.4	1.8	2.2
17	1.8	1.7	34	2.1	5.1	5.6	3.3	3.0	2.2	281	1.0	143
18	1.9	1.6	4.9	5.7	4.6	7.5	3.0	2.9	1.3	306	1.2	19
19	2.0	59	3.6	2.5	3.8	4.0	2.8	6.4	14	4.7	0.89	3.7
20	1.9	6.0	3.1	2.2	3.4	3.4	2.8	4.2	3.1	2.4	0.78	2.6
21	2.0	3.7	2.7	2.1	3.3	3.2	2.7	2.0	1.5	2.1	0.75	2.5
22	1.9	3.1	2.5	2.1	2.9	2.9	2.6	34	3.0	3.7	0.76	2.4
23	2.1	2.8	2.4	2.1	2.6	2.8	2.4	15	1.9	5.8	0.77	2.3
24	2.0	3.1	2.8	2.0	2.7	2.8	2.3	5.2	1.8	1.7	0.78	2.3
25	1.9	4.4	2.4	2.1	2.7	2.9	2.4	2.2	1.9	1.4	0.74	2.4
26	8.2	3.1	2.3	2.3	3.4	2.9	12	2.1	48	1.5	0.71	2.4
27	17	3.3	2.1	2.5	18	3.0	3.6	3.3	8.3	32	0.72	143
28	16	16	2.1	8.2	14	3.0	2.5	1.7	4.4	69	0.68	478
29	42	5.9	2.1	7.3	6.6	2.9	2.3	1.4	2.6	9.8	0.68	7.9
30	3.0	3.1	3.4	6.9	---	3.4	2.2	9.5	6.2	2.8	11	3.5
31	2.0	---	2.4	3.6	---	13	---	2.0	---	1.2	1.1	---
TOTAL	212.0	168.9	345.9	97.1	304.6	162.7	302.8	188.1	187.8	891.7	109.26	1,604.35
MEAN	6.84	5.63	11.2	3.13	10.5	5.25	10.1	6.07	6.26	28.8	3.52	53.5
MAX	42	59	113	8.2	78	24	106	34	57	306	54	740
MIN	1.8	1.4	2.1	2.0	2.3	2.7	2.2	1.4	1.3	1.2	0.66	0.65
CFSM	0.93	0.77	1.52	0.43	1.43	0.72	1.38	0.83	0.85	3.92	0.48	7.30
IN.	1.08	0.86	1.76	0.49	1.55	0.83	1.54	0.95	0.95	4.53	0.55	8.14

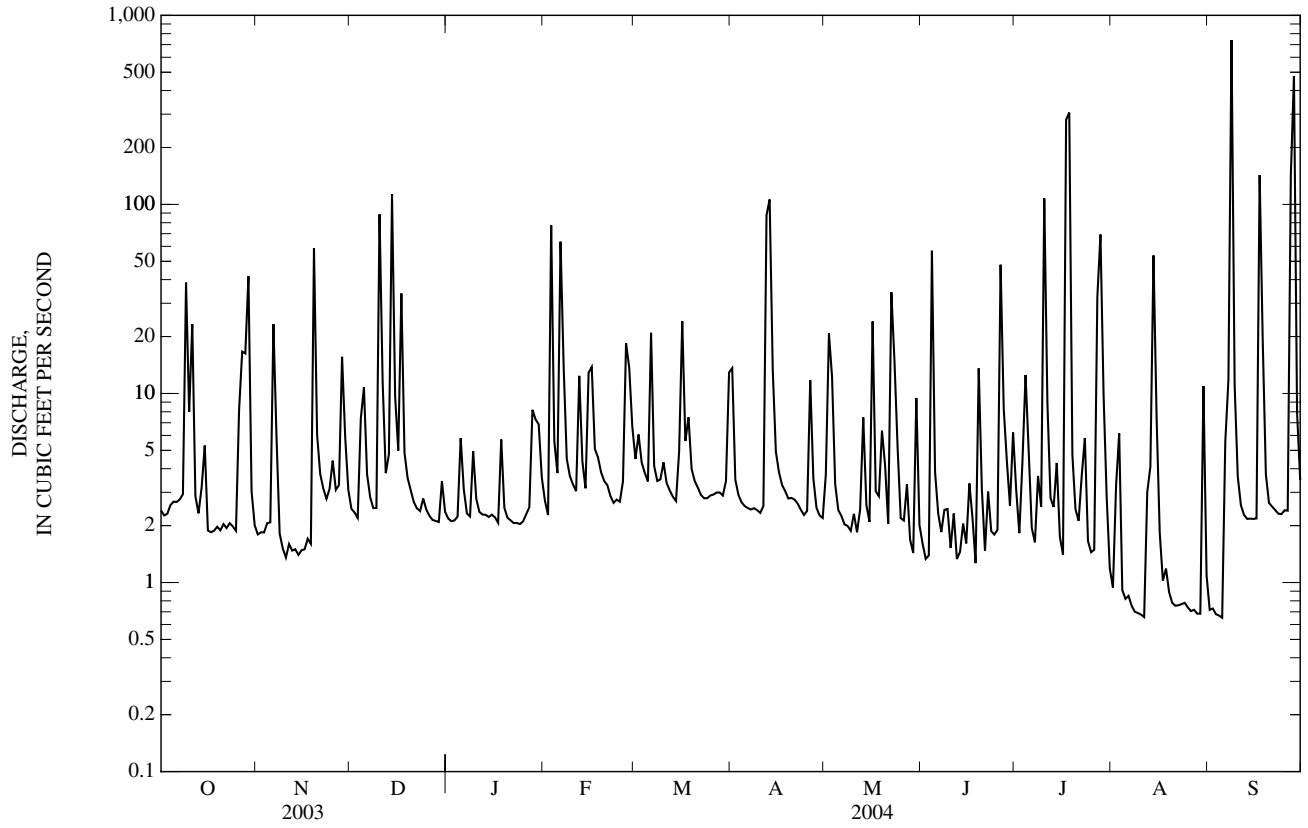
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	10.3	6.97	10.1	9.88	11.7	17.1	16.5	11.2	10.1	12.7	10.0	32.1
MAX	28.3	20.0	24.2	17.5	21.4	41.0	46.8	32.8	26.9	28.8	19.1	53.5
(WY)	(2003)	(2003)	(2003)	(2002)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)	(2003)	(2004)
MIN	1.90	1.09	2.56	3.13	4.18	5.25	2.12	3.69	2.34	5.27	3.52	9.46
(WY)	(2001)	(2002)	(2001)	(2004)	(2002)	(2004)	(2002)	(2002)	(2002)	(2002)	(2004)	(2002)

02094659 SOUTH BUFFALO CREEK NEAR POMONA, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	8,589.1		4,575.21			
ANNUAL MEAN	23.5		12.5		13.5	
HIGHEST ANNUAL MEAN					27.6	2003
LOWEST ANNUAL MEAN					6.22	2002
HIGHEST DAILY MEAN	676	Mar 20	740	Sep 8	740	Sep 8, 2004
LOWEST DAILY MEAN	1.4	Nov 10	0.65	Sep 5	0.11	Jun 22, 2002
ANNUAL SEVEN-DAY MINIMUM	1.5	Nov 9	0.73	Aug 23	0.13	Aug 7, 2002
MAXIMUM PEAK FLOW			3,170	Jul 18	3350*	Sep 23, 2003
MAXIMUM PEAK STAGE			14.61	Jul 18	15.45	Sep 23, 2003
INSTANTANEOUS LOW FLOW			0.59*	Aug 7	0.10*	Jun 22, 2002
ANNUAL RUNOFF (CFSM)	3.21		1.71		1.85	
ANNUAL RUNOFF (INCHES)	43.59		23.22		25.10	
10 PERCENT EXCEEDS	43		14		27	
50 PERCENT EXCEEDS	4.8		2.8		2.6	
90 PERCENT EXCEEDS	2.1		1.4		0.72	

* See REMARKS.



02094659 SOUTH BUFFALO CREEK NEAR POMONA, NC—Continued

PRECIPITATION RECORDS

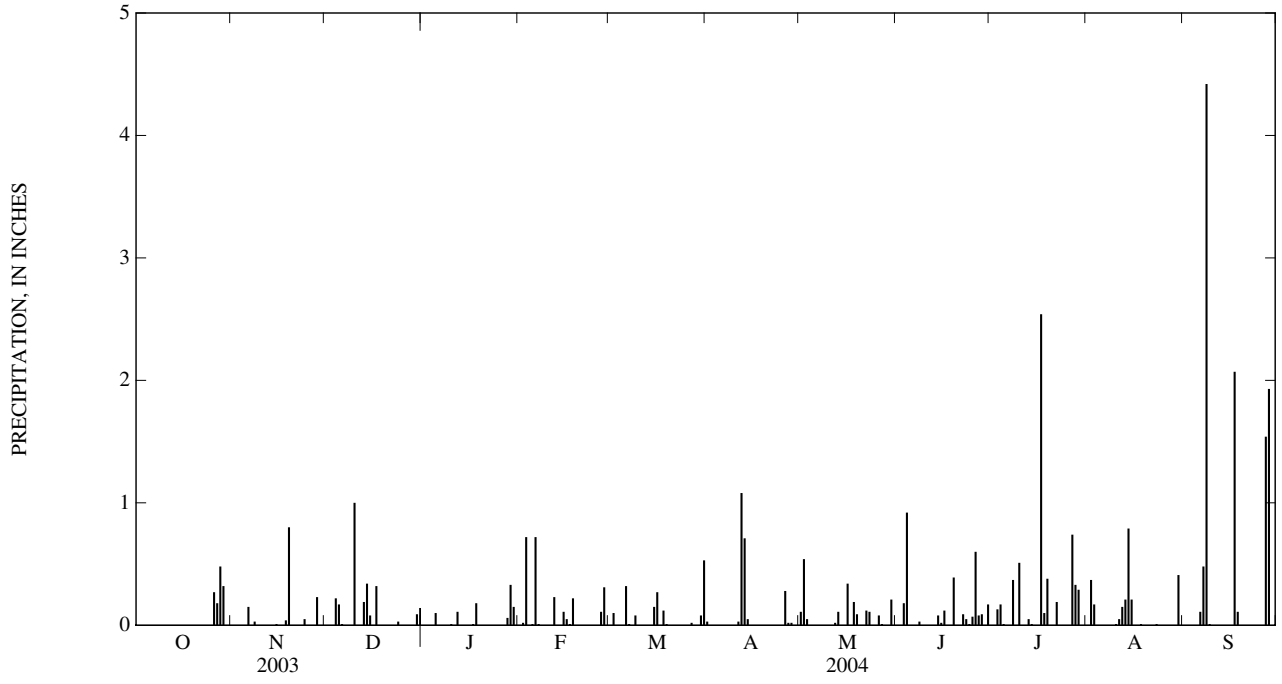
PERIOD OF RECORD.--January 2000 to current year.

GAGE.--Tipping-bucket raingage and data collection platform.

REMARKS.--Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.11	0.00	0.00	0.00	0.00
2	---	0.00	0.00	0.00	0.02	0.10	0.00	0.54	0.00	0.00	0.37	0.00
3	---	0.00	0.00	0.00	0.72	0.00	0.00	0.05	0.18	0.13	0.17	0.00
4	---	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.92	0.17	0.00	0.00
5	---	0.00	0.17	0.10	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00
6	---	0.15	0.01	0.00	0.72	0.32	0.00	0.00	0.00	0.00	0.00	0.11
7	---	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.48
8	---	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.37	0.00	4.42
9	---	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.01
10	---	0.00	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.51	0.01	0.00
11	---	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.05	0.00
12	---	0.00	0.00	0.11	0.23	0.00	1.08	0.02	0.00	0.00	0.15	0.00
13	---	0.00	0.19	0.00	0.00	0.00	0.71	0.11	0.00	0.05	0.21	0.00
14	---	0.00	0.34	0.00	0.00	0.00	0.05	0.00	0.08	0.01	0.79	0.00
15	0.00	0.01	0.08	0.00	0.11	0.15	0.00	0.00	0.02	0.00	0.21	0.00
16	0.00	0.00	0.00	0.00	0.05	0.27	0.00	0.34	0.12	0.00	0.00	0.00
17	0.00	0.00	0.32	0.01	0.01	0.00	0.00	0.00	0.00	2.54	0.00	2.07
18	0.00	0.04	0.00	0.18	0.22	0.12	0.00	0.19	0.00	0.10	0.01	0.11
19	0.00	0.80	0.00	0.00	0.00	0.01	0.00	0.09	0.39	0.38	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.09	0.19	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.05	0.00	0.01	0.00
24	0.00	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
26	0.27	0.00	0.00	0.00	0.00	0.00	0.28	0.08	0.60	0.00	0.00	0.00
27	0.18	0.00	0.00	0.00	0.11	0.02	0.02	0.01	0.08	0.74	0.00	1.54
28	0.48	0.23	0.00	0.06	0.31	0.00	0.02	0.00	0.09	0.33	0.00	1.93
29	0.32	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00
30	0.00	0.00	0.09	0.15	---	0.08	0.00	0.21	0.17	0.00	0.41	0.00
31	0.00	---	0.00	0.00	---	0.53	---	0.00	---	0.00	0.00	---
TOTAL	---	1.31	2.45	0.95	2.52	1.69	2.22	1.98	2.90	5.82	2.39	10.67



02094770 SOUTH BUFFALO CREEK AT US 220 AT GREENSBORO, NC

LOCATION.--Lat 36°02'17", long 79°47'59", Guilford County, Hydrologic Unit 03030002, on left bank at downstream side of bridge on US 220, and 0.8 mi upstream from Ryan Creek in Greensboro.

DRAINAGE AREA.--15.4 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 730 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor.

REVISIONS.--The maximum discharge for the water year 2003 has been revised to 2,770 ft^3/s, Sep. 23, 2003, gage height 16.44 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	5.2	6.7	5.3	8.7	13	100	e8.1	e5.1	e9.4	4.1	2.0
2	4.9	4.8	5.4	5.0	7.6	17	8.2	e32	e4.3	e4.0	40	1.7
3	4.5	4.3	5.5	5.1	153	12	5.2	e26	e4.6	e6.8	18	1.5
4	5.0	4.3	16	5.2	17	8.5	4.2	e9.5	e121	e22	5.0	1.3
5	4.3	4.8	29	14	10	7.4	3.4	e5.8	e12	e16	3.6	1.3
6	4.7	22	9.1	11	127	41	3.2	e5.4	e6.7	e4.0	3.1	6.9
7	4.4	16	6.8	6.4	50	10	3.2	e4.7	e5.3	e3.1	2.8	20
8	4.7	6.8	5.9	6.3	13	8.2	3.3	e4.3	e8.3	e7.4	2.5	913
9	86	5.4	6.5	15	10	7.9	3.1	e4.4	e8.1	e7.2	2.3	48
10	22	4.7	134	9.5	9.5	9.0	2.9	e4.9	e4.7	e85	2.1	12
11	51	5.4	39	6.2	8.6	5.1	3.7	e4.3	e5.4	e22	2.4	9.0
12	11	5.0	12	6.2	31	4.4	e135	e5.3	e4.3	e4.8	6.5	7.3
13	7.8	4.1	15	5.9	12	3.7	e164	e10	e5.0	e3.9	19	6.6
14	12	3.6	73	5.3	9.4	3.3	61	e8.0	e5.4	e8.1	115	5.6
15	20	4.2	31	5.5	33	11	12	e5.8	e5.6	e3.0	26	5.7
16	6.2	4.6	18	6.2	42	87	7.1	e34	e8.9	e2.2	8.3	5.8
17	4.6	4.4	65	5.3	13	20	5.9	e9.5	e8.4	e99	4.0	249
18	4.1	4.4	17	18	11	27	5.4	e11	e4.6	e543	3.7	67
19	4.6	100	13	7.9	9.6	9.2	5.0	e15	e42	e15	4.7	14
20	4.2	14	10	5.7	7.8	5.1	4.9	e12	e11	e9.5	3.0	9.7
21	3.6	7.4	8.9	5.3	7.4	4.6	4.9	e6.3	e3.4	e4.8	2.1	7.4
22	3.2	7.0	9.3	5.2	6.6	3.9	4.6	e33	e5.9	e5.5	2.1	7.0
23	3.2	6.0	8.9	5.0	6.2	6.0	4.2	e20	e3.8	e15	1.8	6.7
24	3.3	6.7	11	4.9	6.1	5.6	4.1	e14	e4.6	e3.6	1.9	6.1
25	3.3	9.0	9.1	5.1	5.8	5.0	3.9	e6.3	e3.1	e2.9	1.6	5.8
26	19	6.4	7.4	5.6	6.9	5.8	e25	e5.5	e74	e2.9	1.5	5.6
27	34	6.7	6.9	6.1	39	6.2	e11	e9.3	e14	e43	1.5	112
28	33	32	6.8	18	32	6.2	e5.7	e5.1	e9.9	117	1.4	740
29	91	14	5.7	23	19	4.9	e5.3	e4.2	e6.0	68	1.3	25
30	9.9	7.2	11	22	---	5.6	e4.9	e24	e44	13	30	11
31	5.5	---	6.2	13	---	66	---	e6.8	---	5.3	4.4	---
TOTAL	479.7	330.4	609.1	268.2	712.2	429.6	614.3	354.5	449.4	1,156.4	325.7	2,314.0
MEAN	15.5	11.0	19.6	8.65	24.6	13.9	20.5	11.4	15.0	37.3	10.5	77.1
MAX	91	100	134	23	153	87	164	34	121	543	115	913
MIN	3.2	3.6	5.4	4.9	5.8	3.3	2.9	4.2	3.1	2.2	1.3	1.3
CFSM	1.00	0.72	1.28	0.56	1.59	0.90	1.33	0.74	0.97	2.42	0.68	5.01
IN.	1.16	0.80	1.47	0.65	1.72	1.04	1.48	0.86	1.09	2.79	0.79	5.59

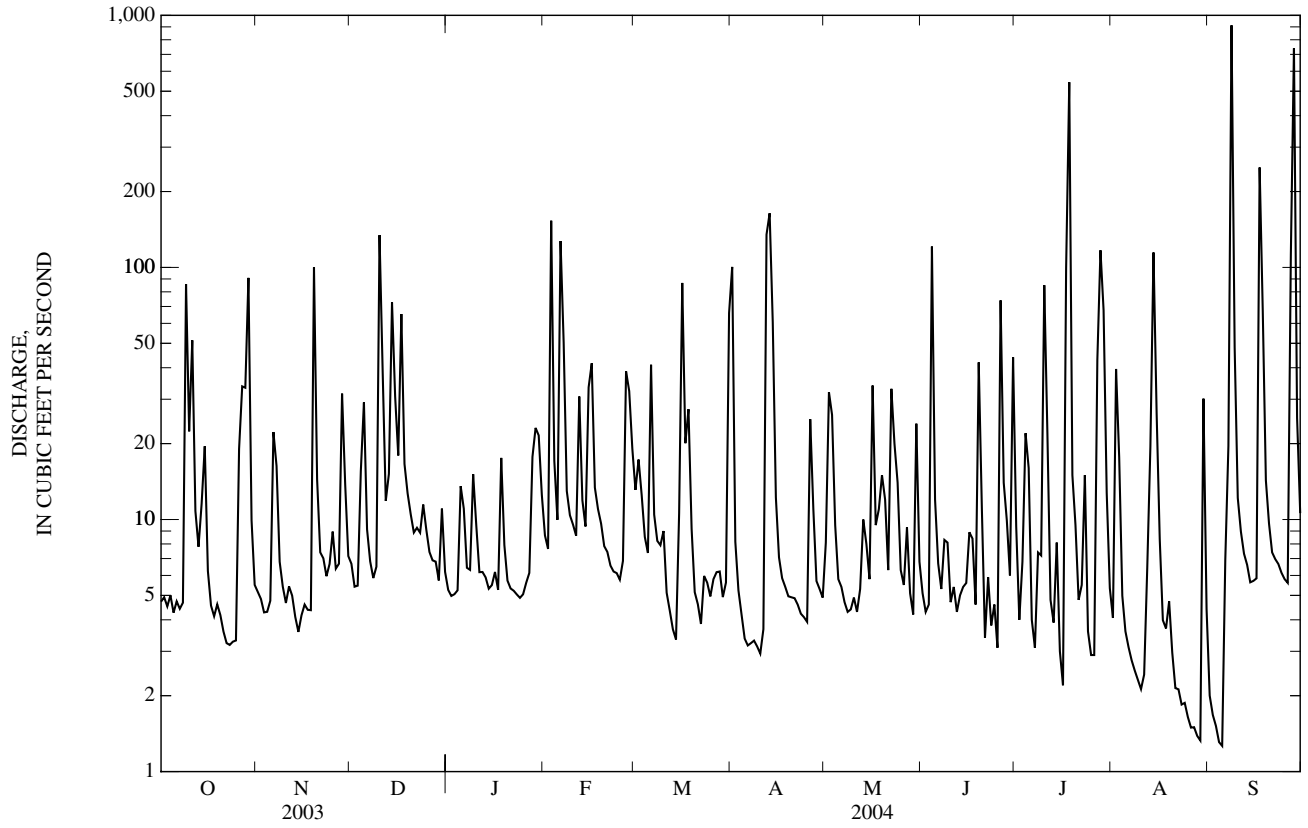
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	16.8	12.7	21.1	30.2	20.8	29.3	32.9	17.4	26.6	26.2	21.6	57.4
MAX	60.3	41.5	51.5	82.6	38.1	63.3	77.0	51.7	57.9	41.1	39.2	155
(WY)	(2003)	(2003)	(2003)	(1999)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2000)
MIN	3.59	3.00	5.78	8.65	9.10	12.9	4.06	4.87	3.15	10.3	9.14	7.22
(WY)	(1999)	(1999)	(2001)	(2004)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2001)

02094770 SOUTH BUFFALO CREEK AT US 220 AT GREENSBORO, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	15,160.9		8,043.5			
ANNUAL MEAN	41.5		22.0		26.8	
HIGHEST ANNUAL MEAN					50.6	2003
LOWEST ANNUAL MEAN					10.7	2002
HIGHEST DAILY MEAN	916	Apr 10	913	Sep 8	1,640	Sep 2, 2000
LOWEST DAILY MEAN	3.2	Jan 28	1.3	Aug 29	0.10	Aug 14, 2002
ANNUAL SEVEN-DAY MINIMUM	3.6	Oct 19	1.6	Aug 23	0.19	Sep 13, 2001
MAXIMUM PEAK FLOW			2,250	Sep 8	2,770	Sep 23, 2003
MAXIMUM PEAK STAGE			15.17	Sep 8	16.44	Sep 23, 2003
INSTANTANEOUS LOW FLOW			NOT DETERMINED		0.08	Aug 14, 2002
ANNUAL RUNOFF (CFSM)	2.70		1.43		1.74	
ANNUAL RUNOFF (INCHES)	36.62		19.43		23.65	
10 PERCENT EXCEEDS	89		39		50	
50 PERCENT EXCEEDS	9.9		6.6		5.4	
90 PERCENT EXCEEDS	4.4		3.3		1.7	

e Estimated.



02094770 SOUTH BUFFALO CREEK AT US 220 AT GREENSBORO, NC—Continued

PRECIPITATION RECORDS

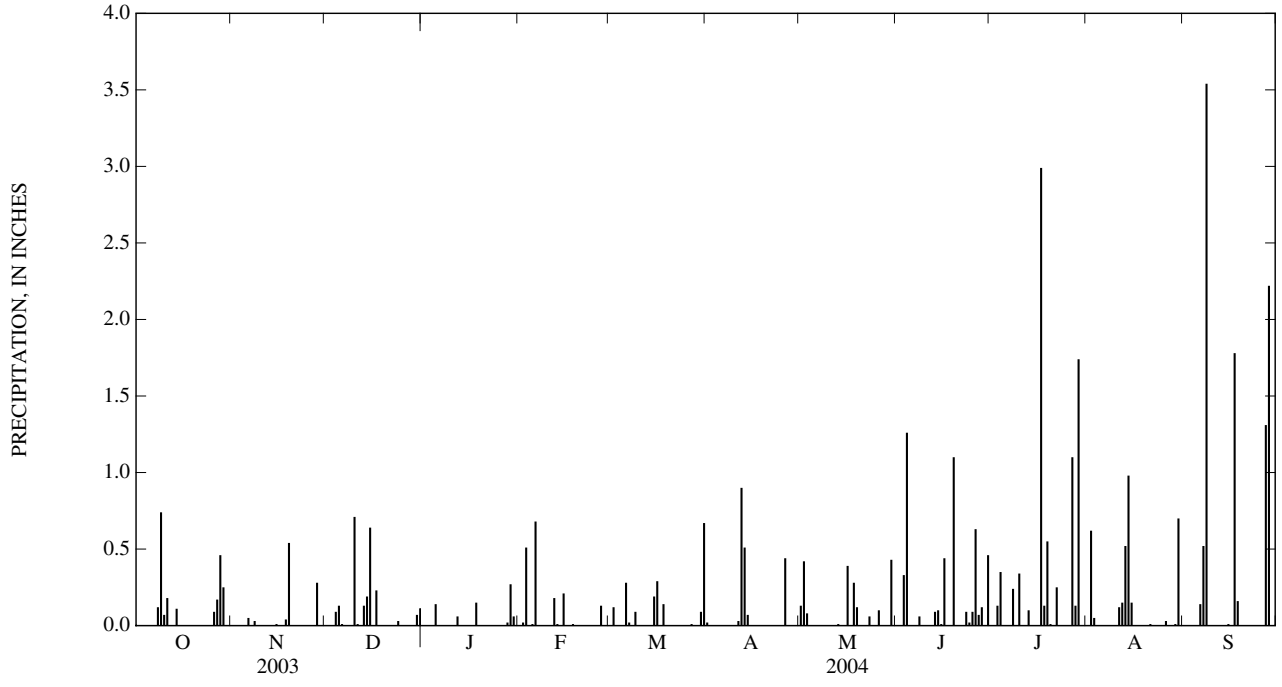
PERIOD OF RECORD.--August 1998 to current year. Records for August 1998 to December 1999 are unpublished and available in the USGS District Office in Raleigh, NC.

GAGE.--Tipping bucket raingage and data collection platform.

REMARKS.--Records poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.13	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.02	0.12	0.00	0.42	0.00	0.00	0.62	0.00
3	0.00	0.00	0.00	0.00	0.51	0.00	0.00	0.08	0.33	0.13	0.05	0.00
4	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	1.26	0.35	0.00	0.00
5	0.00	0.00	0.13	0.14	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.05	0.01	0.00	0.68	0.28	0.00	0.00	0.00	0.00	0.00	0.14
7	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.52
8	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.24	0.00	3.54
9	0.74	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00
10	0.07	0.00	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00
11	0.18	0.00	0.01	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.12	0.00
12	0.00	0.00	0.00	0.06	0.18	0.00	0.90	0.00	0.00	0.00	0.15	0.00
13	0.00	0.00	0.13	0.00	0.01	0.00	0.51	0.01	0.09	0.10	0.52	0.00
14	0.11	0.00	0.19	0.00	0.00	0.00	0.07	0.00	0.10	0.00	0.98	0.00
15	0.00	0.01	0.64	0.00	0.21	0.19	0.00	0.00	0.01	0.00	0.15	0.01
16	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.39	0.44	0.00	0.00	0.00
17	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	2.99	0.00	1.78
18	0.00	0.04	0.00	0.15	0.01	0.14	0.00	0.28	0.00	0.13	0.00	0.16
19	0.00	0.54	0.00	0.00	0.00	0.00	0.00	0.12	1.10	0.55	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09	0.00	0.00	0.00
24	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00
26	0.09	0.00	0.00	0.00	0.00	0.00	0.44	0.10	0.63	0.00	0.03	0.00
27	0.17	0.00	0.00	0.00	0.13	0.01	0.00	0.00	0.07	1.10	0.00	1.31
28	0.46	0.28	0.00	0.02	0.00	0.00	0.00	0.00	0.12	0.13	0.00	2.22
29	0.25	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	1.74	0.01	0.00
30	0.00	0.00	0.07	0.06	---	0.09	0.00	0.43	0.46	0.00	0.70	0.00
31	0.00	---	0.00	0.00	---	0.67	---	0.00	---	0.00	0.00	---
TOTAL	2.19	0.95	2.24	0.70	1.76	1.90	1.97	2.02	4.87	8.06	3.34	9.68



02094775 RYAN CREEK BELOW US HIGHWAY 220 AT GREENSBORO, NC

LOCATION.--Lat 36°01'52", long 79°47'46", Guilford County, Hydrologic Unit 03030002, on left bank 0.6 mi upstream of South Buffalo Creek, and .2 mi below US Highway 220 in Greensboro.

DRAINAGE AREA.--4.12 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1998 to current year.

REVISED RECORDS.--WDR NC-02-1B: 1999-2001(M).

GAGE.--Water-stage recorder. Elevation of gage is 730 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. No flow occurred several days in Aug. 2002.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	1.2	0.97	1.8	2.2	2.7	13	2.2	0.82	0.59	1.2	0.58
2	1.0	1.2	1.0	1.9	1.8	3.6	2.0	4.7	0.67	0.52	3.6	0.53
3	1.0	1.1	0.87	1.9	38	2.6	1.7	4.4	0.71	5.2	2.7	0.47
4	1.1	1.0	2.1	1.9	5.4	1.9	1.5	2.0	35	16	1.1	0.46
5	1.00	1.2	4.0	3.7	2.9	1.8	1.4	1.4	1.6	4.2	0.86	0.47
6	1.1	1.6	1.4	2.5	37	7.3	1.4	1.2	0.78	0.65	0.78	1.5
7	1.2	1.7	1.1	1.8	10	2.4	1.5	1.2	0.73	0.52	0.74	3.6
8	1.3	1.4	1.0	1.8	2.8	1.8	1.3	1.1	0.94	1.8	0.69	267
9	14	1.1	0.99	3.5	2.0	2.1	1.2	1.1	0.99	1.1	0.68	4.8
10	2.1	1.1	31	2.7	1.7	2.1	1.2	1.1	0.63	9.6	0.66	1.8
11	7.1	1.2	6.4	2.5	1.7	1.7	1.3	1.00	0.59	2.3	0.86	1.3
12	1.2	1.3	2.2	2.5	5.6	1.6	25	0.99	0.55	0.60	1.9	1.2
13	0.92	1.00	2.8	2.3	2.3	1.5	30	1.00	0.83	0.57	11	1.1
14	3.9	0.91	50	2.1	1.8	1.5	5.5	0.99	0.79	0.95	35	1.0
15	3.3	1.2	5.8	2.0	8.1	2.5	2.5	1.0	0.73	0.50	4.4	0.92
16	0.88	1.3	3.5	1.9	8.1	7.5	2.0	1.8	1.3	0.44	1.7	0.87
17	0.85	1.3	13	2.4	3.0	3.7	1.8	1.1	0.98	55	0.82	76
18	0.76	1.5	3.5	4.1	2.9	4.6	1.7	6.5	0.54	133	0.73	11
19	0.79	16	2.6	2.7	2.5	2.5	1.5	4.1	6.7	6.5	0.65	2.2
20	0.82	1.8	2.3	2.3	2.1	1.9	1.5	2.0	1.3	2.3	0.58	1.4
21	0.86	1.1	2.1	1.8	1.9	1.8	1.5	1.1	0.54	1.1	0.58	1.3
22	0.83	1.0	2.1	1.8	1.6	1.6	1.4	0.88	0.56	2.3	0.55	1.2
23	0.76	1.0	2.1	1.7	1.6	1.5	1.3	1.2	0.85	3.5	0.52	1.00
24	1.0	1.1	2.5	1.6	1.6	1.6	1.3	1.7	0.98	0.86	0.52	0.91
25	0.88	1.0	1.9	1.8	1.5	1.6	1.2	0.84	0.60	0.73	0.52	0.91
26	1.9	1.1	1.9	1.8	1.8	1.6	6.3	1.3	12	0.78	0.51	0.84
27	4.3	1.2	1.9	2.0	5.4	1.6	2.0	2.0	1.7	8.2	0.48	34
28	9.7	8.5	1.8	3.1	8.1	1.6	1.2	0.86	4.3	26	0.47	234
29	15	1.8	1.9	4.3	4.3	1.5	1.2	0.81	1.2	58	0.51	4.5
30	1.6	1.0	2.8	5.3	---	1.9	1.2	8.3	1.0	4.0	8.5	2.2
31	1.2	---	2.0	3.3	---	11	---	1.1	---	1.6	0.84	---
TOTAL	83.75	58.91	159.53	76.8	169.7	84.6	117.6	60.97	80.91	349.41	84.65	659.06
MEAN	2.70	1.96	5.15	2.48	5.85	2.73	3.92	1.97	2.70	11.3	2.73	22.0
MAX	15	16	50	5.3	38	11	30	8.3	35	133	35	267
MIN	0.76	0.91	0.87	1.6	1.5	1.5	1.2	0.81	0.54	0.44	0.47	0.46
CFSM	0.66	0.48	1.25	0.60	1.42	0.66	0.95	0.48	0.65	2.74	0.66	5.33
IN.	0.76	0.53	1.44	0.69	1.53	0.76	1.06	0.55	0.73	3.15	0.76	5.95

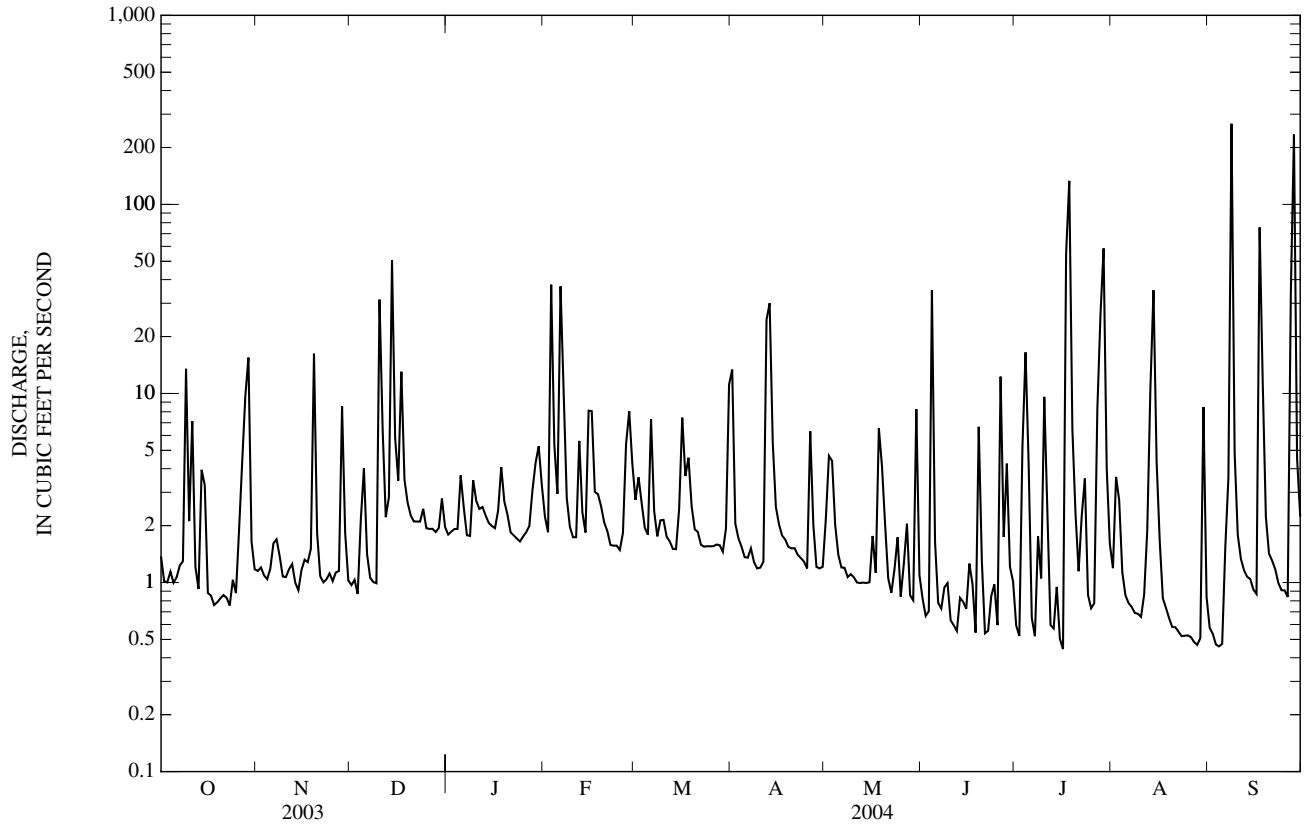
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	4.30	3.10	4.73	6.26	5.13	6.95	6.05	3.33	5.24	5.93	4.18	12.5
MAX	17.9	12.7	13.6	12.9	10.4	17.5	20.4	11.4	17.5	14.1	11.1	29.9
(WY)	(2003)	(2003)	(2003)	(2002)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2000)
MIN	0.31	0.42	1.35	2.48	2.13	2.73	0.76	1.05	0.14	0.89	1.66	1.14
(WY)	(1999)	(1999)	(2001)	(2004)	(1999)	(2004)	(2002)	(1999)	(2002)	(1999)	(1998)	(1998)

02094775 RYAN CREEK BELOW US HIGHWAY 220 AT GREENSBORO, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	4,059.18		1,985.89			
ANNUAL MEAN	11.1		5.43		5.82	
HIGHEST ANNUAL MEAN					14.0	2003
LOWEST ANNUAL MEAN					2.98	2002
HIGHEST DAILY MEAN	256	Mar 20	267	Sep 8	393	Sep 15, 2000
LOWEST DAILY MEAN	0.60	Jun 26	0.44	Jul 16	0.00	Aug 6, 2002
ANNUAL SEVEN-DAY MINIMUM	0.81	Oct 17	0.50	Aug 23	0.00	Aug 6, 2002
MAXIMUM PEAK FLOW			795	Jul 17	1,060	Jul 13, 2003
MAXIMUM PEAK STAGE			8.69	Jul 17	12.53	Jul 13, 2003
INSTANTANEOUS LOW FLOW			0.30	Jul 17	0.00*	Aug 6, 2002
ANNUAL RUNOFF (CFSM)	2.70		1.32		1.41	
ANNUAL RUNOFF (INCHES)	36.65		17.93		19.20	
10 PERCENT EXCEEDS	24		7.7		9.6	
50 PERCENT EXCEEDS	2.3		1.6		1.2	
90 PERCENT EXCEEDS	1.0		0.72		0.25	

* See REMARKS.



02094775 RYAN CREEK BELOW US 220 AT GREENSBORO, NC—Continued

PRECIPITATION RECORDS

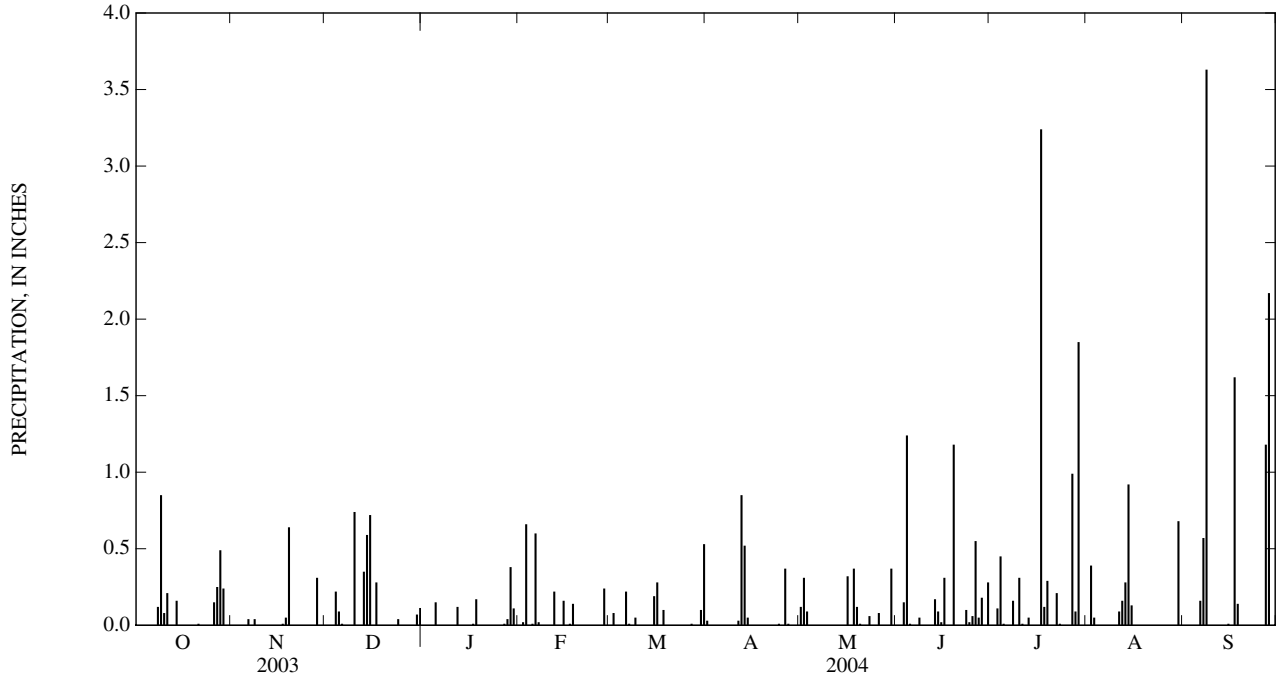
PERIOD OF RECORD.--August 1998 to current year.

GAGE.--Tipping-bucket raingage and data collection platform.

REMARKS.--Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.12	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.02	0.08	0.00	0.31	0.00	0.00	0.39	0.00
3	0.00	0.00	0.00	0.00	0.66	0.00	0.00	0.09	0.15	0.11	0.05	0.00
4	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	1.24	0.45	0.00	0.00
5	0.00	0.00	0.09	0.15	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00
6	0.00	0.04	0.01	0.00	0.60	0.22	0.00	0.00	0.00	0.00	0.00	0.16
7	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.57
8	0.12	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.16	0.00	3.63
9	0.85	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
10	0.08	0.00	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00
11	0.21	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.01	0.09	0.00
12	0.00	0.00	0.00	0.12	0.22	0.00	0.85	0.00	0.00	0.00	0.16	0.00
13	0.00	0.00	0.35	0.00	0.00	0.00	0.52	0.00	0.17	0.05	0.28	0.00
14	0.16	0.00	0.59	0.00	0.00	0.00	0.05	0.00	0.09	0.00	0.92	0.00
15	0.00	0.00	0.72	0.00	0.16	0.19	0.00	0.00	0.02	0.00	0.13	0.01
16	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.32	0.31	0.00	0.00	0.00
17	0.00	0.01	0.28	0.01	0.01	0.00	0.00	0.00	0.00	3.24	0.00	1.62
18	0.00	0.05	0.00	0.17	0.14	0.10	0.00	0.37	0.00	0.12	0.00	0.14
19	0.00	0.64	0.00	0.00	0.00	0.00	0.00	0.12	1.18	0.29	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
21	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.10	0.01	0.00	0.00
24	0.00	0.00	0.04	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00
26	0.15	0.00	0.00	0.00	0.00	0.00	0.37	0.08	0.55	0.00	0.00	0.00
27	0.25	0.00	0.00	0.01	0.00	0.01	0.01	0.00	0.05	0.99	0.00	1.18
28	0.49	0.31	0.00	0.04	0.24	0.00	0.00	0.00	0.18	0.09	0.00	2.17
29	0.24	0.00	0.00	0.38	0.00	0.00	0.00	0.00	0.00	1.85	0.00	0.00
30	0.00	0.00	0.07	0.11	---	0.10	0.00	0.37	0.28	0.00	0.68	0.00
31	0.00	---	0.00	0.00	---	0.53	---	0.00	---	0.00	0.00	---
TOTAL	2.56	1.09	3.11	0.99	2.08	1.57	1.87	1.85	4.46	7.90	2.70	9.48



02095000 SOUTH BUFFALO CREEK NEAR GREENSBORO, NC

LOCATION.--Lat 36°03'36", long 79°43'33", Guilford County, Hydrologic Unit 03030002, on left bank at upstream side of bridge on Secondary Road 3000, 3.8 mi east of Greensboro, 4.0 mi downstream from Run Creek.

DRAINAGE AREA.--34.0 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to September 1958. August 1998 to current year. Prior to October 1952, published as "Buffalo Creek near Greensboro".

REVISIONS.--WSP 972: 1928-30, 1932-33, 1934(M), 1935-37, 1939, 1940(M). WSP 1303: 1934, 1938, 1940-42, monthly and yearly runoff. WSP 1383: Drainage area, 1931, 1941(M).

GAGE.--Water-stage recorder. Elevation of gage is 700 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor. Maximum discharge 10,000 ft^3/s July 15, 1949, gage-height 11.54 ft, from rating curve extended above 2,000 ft^3/s based on contracted-opening measurement, site and datum then in use.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	9.5	8.9	14	14	29	191	21	18	32	13	6.9
2	11	8.9	8.1	13	12	31	24	64	15	10	71	5.7
3	10	9.0	7.8	13	409	29	18	68	17	13	47	5.0
4	e11	9.0	14	13	43	19	16	31	339	47	14	4.6
5	e10	9.5	52	25	23	16	14	16	44	62	8.8	4.3
6	e10	20	15	27	322	76	13	15	21	9.8	7.3	24
7	e9.6	32	11	14	187	24	13	12	17	6.8	6.3	54
8	e9.8	14	9.4	13	30	16	13	11	31	18	5.7	1,780
9	185	11	9.2	25	21	16	13	12	29	23	5.4	461
10	59	9.9	265	21	19	21	13	12	16	102	5.0	38
11	86	10	107	16	17	15	15	12	15	64	9.4	28
12	21	11	18	15	54	14	288	13	15	9.8	23	17
13	15	9.7	13	15	25	12	356	18	18	7.2	58	11
14	16	9.1	534	14	18	12	76	28	16	19	324	9.7
15	46	9.7	63	14	55	18	32	18	21	6.3	59	9.2
16	14	10	37	14	90	75	e23	64	27	4.2	30	8.7
17	13	9.5	128	13	33	42	e20	34	35	61	14	682
18	13	11	39	34	26	35	e18	48	18	1,380	9.9	191
19	12	195	26	19	25	25	e18	42	157	53	11	42
20	12	32	21	14	20	16	e17	43	41	40	8.8	25
21	12	13	18	13	18	15	e16	21	8.9	12	8.2	19
22	12	10	17	13	15	13	e15	46	14	10	8.6	15
23	11	9.2	17	12	14	15	e17	35	9.1	45	5.6	14
24	11	8.9	20	12	14	15	e16	44	13	9.2	5.4	12
25	12	11	16	12	13	15	e15	20	6.2	6.7	5.0	11
26	32	9.2	15	17	14	e15	67	16	157	6.6	4.7	10
27	66	8.6	15	17	61	e16	36	30	28	77	4.6	137
28	69	53	14	30	66	e13	15	17	26	283	4.3	2,000
29	205	28	14	46	47	e12	14	14	16	428	4.2	67
30	18	11	23	38	---	e14	13	72	317	65	87	25
31	11	---	16	26	---	65	---	25	---	21	16	---
TOTAL	1,034.4	601.7	1,571.4	582	1,705	749	1,415	922	1,505.2	2,931.6	884.2	5,717.1
MEAN	33.4	20.1	50.7	18.8	58.8	24.2	47.2	29.7	50.2	94.6	28.5	191
MAX	205	195	534	46	409	76	356	72	339	1,380	324	2,000
MIN	9.6	8.6	7.8	12	12	12	13	11	6.2	4.2	4.2	4.3
CFSM	0.99	0.60	1.51	0.56	1.75	0.72	1.40	0.89	1.49	2.81	0.85	5.67
IN.	1.15	0.67	1.74	0.64	1.89	0.83	1.57	1.02	1.67	3.25	0.98	6.33

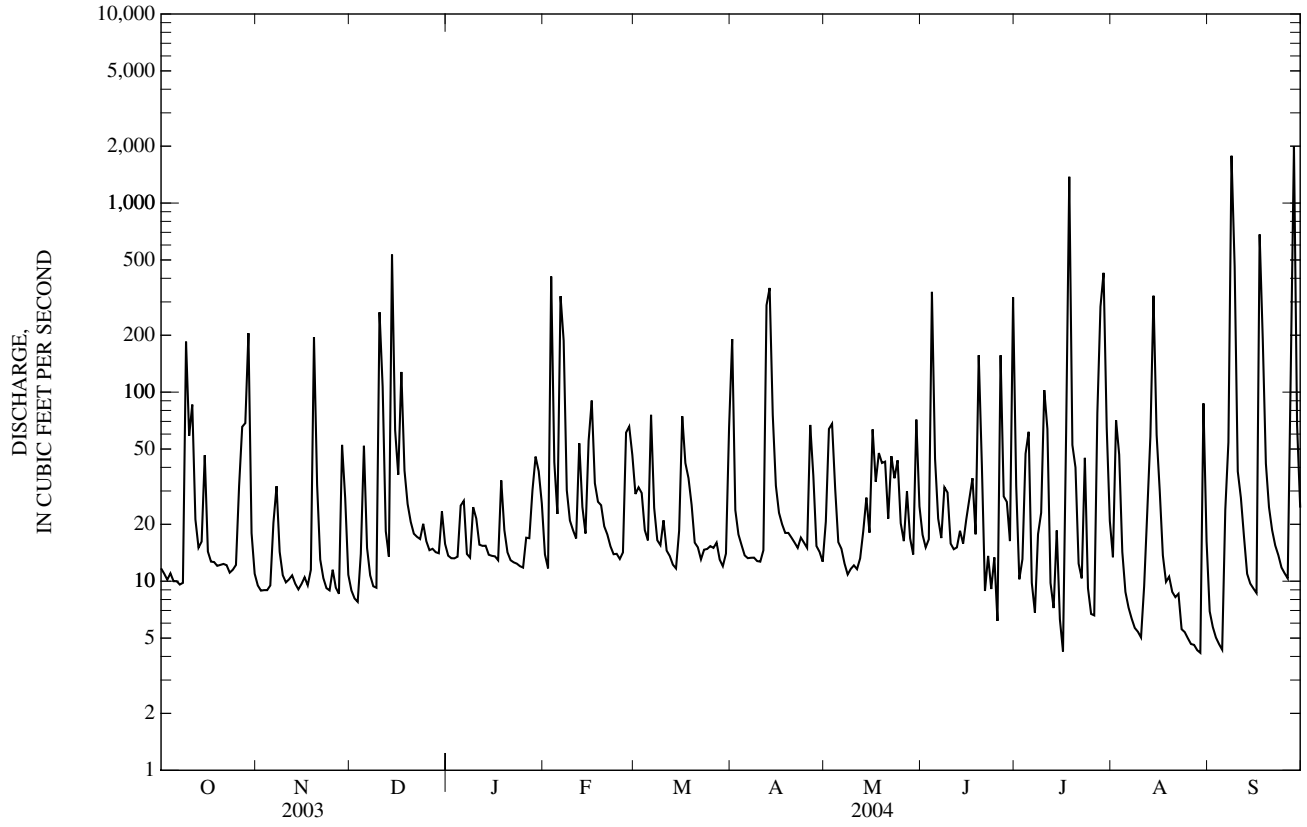
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2004,@ BY WATER YEAR (WY)

MEAN	26.1	30.0	40.9	57.8	65.5	62.1	53.0	28.7	31.2	37.6	25.8	46.4
MAX	142	109	130	179	135	197	210	129	166	307	131	218
(WY)	(2003)	(1949)	(2003)	(1937)	(1953)	(2003)	(2003)	(2003)	(2003)	(1949)	(2003)	(2000)
MIN	1.82	3.53	6.86	7.87	14.0	22.5	8.68	6.19	4.40	2.64	2.33	2.26
(WY)	(1931)	(1932)	(1934)	(1942)	(1931)	(1930)	(2002)	(2002)	(1933)	(1932)	(1932)	(1930)

02095000 SOUTH BUFFALO CREEK NEAR GREENSBORO, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1928 - 2004[@]	
ANNUAL TOTAL	41,736.3		19,618.6			
ANNUAL MEAN	114		53.6		41.8	
HIGHEST ANNUAL MEAN					137	2003
LOWEST ANNUAL MEAN					21.0	1942
HIGHEST DAILY MEAN	2,270	Mar 20	2,000	Sep 28	5,460	Jul 15, 1949
LOWEST DAILY MEAN	5.5	May 14	4.2	Jul 16	0.42	Aug 4, 2002
ANNUAL SEVEN-DAY MINIMUM	6.9	Jan 21	4.8	Aug 23	0.57	Jul 31, 2002
MAXIMUM PEAK FLOW			2,890	Sep 8	10000*	Jul 15, 1945
MAXIMUM PEAK STAGE			13.83	Sep 8	14.37	Mar 20, 2003
INSTANTANEOUS LOW FLOW			3.7	Jul 17		
ANNUAL RUNOFF (CFSM)	3.40		1.60		1.24	
ANNUAL RUNOFF (INCHES)	46.21		21.72		16.89	
10 PERCENT EXCEEDS	312		71		76	
50 PERCENT EXCEEDS	25		16		14	
90 PERCENT EXCEEDS	9.2		9.0		4.5	

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



02095000 SOUTH BUFFALO CREEK NEAR GREENSBORO, NC—Continued

PRECIPITATION RECORDS

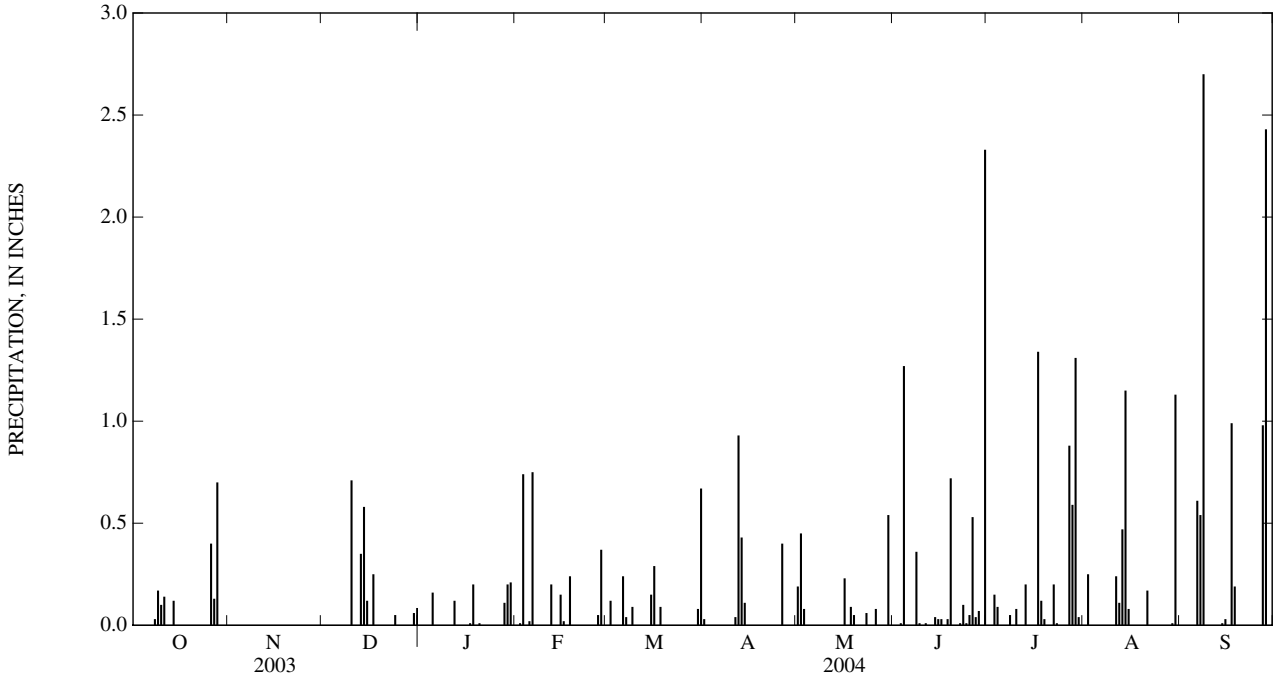
PERIOD OF RECORD.--August 1998 to current year.

GAGE.--Tipping-bucket raingage and data collection platform.

REMARKS.--Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	---	---	0.00	0.00	0.00	0.03	0.19	0.00	0.00	0.00	0.00
2	0.00	---	---	0.00	0.01	0.12	0.00	0.45	0.00	0.00	0.25	0.00
3	0.00	---	---	0.00	0.74	0.00	0.00	0.08	0.01	0.15	0.00	0.00
4	0.00	---	---	0.00	0.00	0.00	0.00	0.00	1.27	0.09	0.00	0.00
5	0.00	---	---	0.16	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	---	---	0.00	0.75	0.24	0.00	0.00	0.00	0.00	0.00	0.61
7	0.00	---	---	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.54
8	0.03	---	---	0.00	0.00	0.00	0.00	0.00	0.36	0.05	0.00	2.70
9	0.17	---	0.00	0.00	0.00	0.09	0.00	0.00	0.01	0.00	0.00	0.00
10	0.10	---	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00
11	0.14	---	0.00	0.00	0.00	0.00	0.04	0.00	0.01	0.00	0.24	0.00
12	0.00	---	0.00	0.12	0.20	0.00	0.93	0.00	0.00	0.00	0.11	0.00
13	0.00	---	0.35	0.00	0.00	0.00	0.43	0.00	0.00	0.20	0.47	0.00
14	0.12	---	0.58	0.00	0.00	0.00	0.11	0.00	0.04	0.00	1.15	0.01
15	0.00	---	0.12	0.00	0.15	0.15	0.00	0.00	0.03	0.00	0.08	0.03
16	0.00	---	0.00	0.00	0.02	0.29	0.00	0.23	0.03	0.00	0.00	0.00
17	0.00	---	0.25	0.01	0.00	0.00	0.00	0.00	0.00	1.34	0.00	0.99
18	0.00	---	0.00	0.20	0.24	0.09	0.00	0.09	0.03	0.12	0.00	0.19
19	0.00	---	0.00	0.00	0.00	0.00	0.00	0.05	0.72	0.03	0.00	0.00
20	0.00	---	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00
22	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.20	0.00	0.00
23	0.00	---	0.00	0.00	0.00	0.00	0.00	0.06	0.10	0.01	0.00	0.00
24	0.00	---	0.05	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
25	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
26	0.40	---	0.00	0.00	0.00	0.00	0.40	0.08	0.53	0.00	0.00	0.00
27	0.13	---	0.00	0.00	0.05	0.00	0.00	0.00	0.04	0.88	0.00	0.98
28	0.70	---	0.00	0.11	0.37	0.00	0.00	0.00	0.07	0.59	0.00	2.43
29	---	---	0.00	0.20	0.00	0.00	0.00	0.00	0.00	1.31	0.01	0.00
30	---	---	0.06	0.21	---	0.08	0.00	0.54	2.33	0.04	1.13	0.00
31	---	---	0.00	0.00	---	0.67	---	0.00	---	0.00	0.00	---
TOTAL	---	---	---	1.02	2.55	1.77	1.94	1.77	5.65	5.09	3.61	8.48



02095181 NORTH BUFFALO CREEK AT WESTOVER TERRACE AT GREENSBORO, NC

LOCATION.--Lat 36°04'45", long 79°48'46", Guilford County, Hydrologic Unit 03030002, on right bank at termination of Westover Terrace in Greensboro, 0.7 mi above Southern Railway.

DRAINAGE AREA.--9.55 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1999 to current year.

GAGE.--Water-stage recorder. Datum of gage is 736.25 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Minimum discharge for period of record also occurred on Aug. 11, 12, 2002. Minimum discharge for the current water year also occurred on Aug. 23, 25, Sept. 2, 3.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	2.4	3.1	3.2	3.1	5.9	15	8.6	2.3	4.9	2.7	1.4
2	2.9	2.5	2.8	3.3	2.8	9.2	3.3	22	2.0	15	7.7	1.4
3	2.7	2.7	2.7	3.4	90	5.7	2.9	14	2.2	7.9	10	1.5
4	2.9	2.9	12	3.6	7.4	4.7	2.8	3.9	e90	11	2.6	1.6
5	2.8	3.2	11	7.5	5.1	4.6	2.6	3.1	4.5	5.8	2.4	1.7
6	2.6	22	3.9	3.8	71	23	2.6	2.9	2.5	3.4	2.3	20
7	2.6	5.5	3.3	2.8	17	5.1	2.6	2.9	2.3	3.8	2.2	14
8	3.2	2.6	3.0	2.7	6.0	4.4	2.7	2.7	e103	7.7	2.3	e400
9	59	e2.4	3.0	7.3	4.8	5.2	2.6	2.7	8.7	4.1	1.7	15
10	6.0	2.2	93	3.5	4.6	5.5	2.5	2.8	3.6	17	1.7	12
11	23	e2.1	12	2.9	4.2	4.0	3.3	2.7	2.9	7.5	3.3	8.9
12	3.3	e1.9	4.1	3.1	14	4.0	83	2.6	2.8	3.8	6.5	7.5
13	2.8	e1.9	6.1	2.9	5.0	3.8	91	5.8	3.4	2.3	7.6	6.9
14	4.7	e2.0	120	2.7	4.4	3.7	13	3.1	3.6	3.6	63	3.4
15	5.6	e2.2	13	2.9	15	7.2	5.6	2.6	4.2	1.5	15	3.0
16	2.9	e2.1	6.8	2.8	18	34	4.5	8.4	9.0	1.3	3.7	2.7
17	2.9	e2.4	34	2.7	6.5	7.8	4.0	2.6	5.1	e60	2.3	e120
18	2.9	e2.3	6.7	8.3	6.9	7.8	3.7	9.5	3.0	e215	2.7	27
19	2.9	68	4.8	2.7	5.7	4.8	3.6	7.3	e92	13	2.1	5.4
20	3.7	7.1	4.1	2.3	5.1	4.1	3.6	3.6	7.3	9.6	1.8	3.9
21	2.6	3.5	3.7	2.5	5.0	4.2	3.5	2.1	3.3	7.3	2.4	5.8
22	2.8	3.2	3.7	2.5	4.3	3.9	3.3	34	5.2	10	1.8	3.3
23	2.7	3.3	3.5	2.4	4.2	3.8	3.3	13	5.8	7.6	1.6	2.6
24	2.7	4.6	4.8	2.4	4.4	3.9	3.2	5.7	5.8	2.5	1.5	2.3
25	2.7	4.4	3.3	3.3	4.3	4.0	3.3	2.1	6.3	2.4	1.4	2.3
26	12	3.0	3.0	3.7	5.0	4.0	19	2.3	54	2.6	1.5	2.2
27	14	3.1	3.0	3.8	19	4.0	4.8	3.9	17	35	2.6	65
28	14	16	3.1	8.1	15	4.1	2.9	2.1	7.0	66	4.5	e300
29	34	5.2	3.2	9.1	7.9	3.7	2.8	2.3	4.8	19	3.8	13
30	3.0	3.2	6.1	10	---	5.6	3.0	13	11	5.1	24	6.3
31	2.6	---	3.2	4.7	---	16	---	2.5	---	2.9	1.9	---
TOTAL	235.4	189.9	390.0	126.9	365.7	211.7	304.0	196.8	474.6	558.6	190.6	1,060.1
MEAN	7.59	6.33	12.6	4.09	12.6	6.83	10.1	6.35	15.8	18.0	6.15	35.3
MAX	59	68	120	10	90	34	91	34	103	215	63	400
MIN	2.6	1.9	2.7	2.3	2.8	3.7	2.5	2.1	2.0	1.3	1.4	1.4
CFSM	0.80	0.66	1.32	0.43	1.32	0.72	1.06	0.66	1.66	1.89	0.64	3.70
IN.	0.92	0.74	1.52	0.49	1.42	0.82	1.18	0.77	1.85	2.18	0.74	4.13

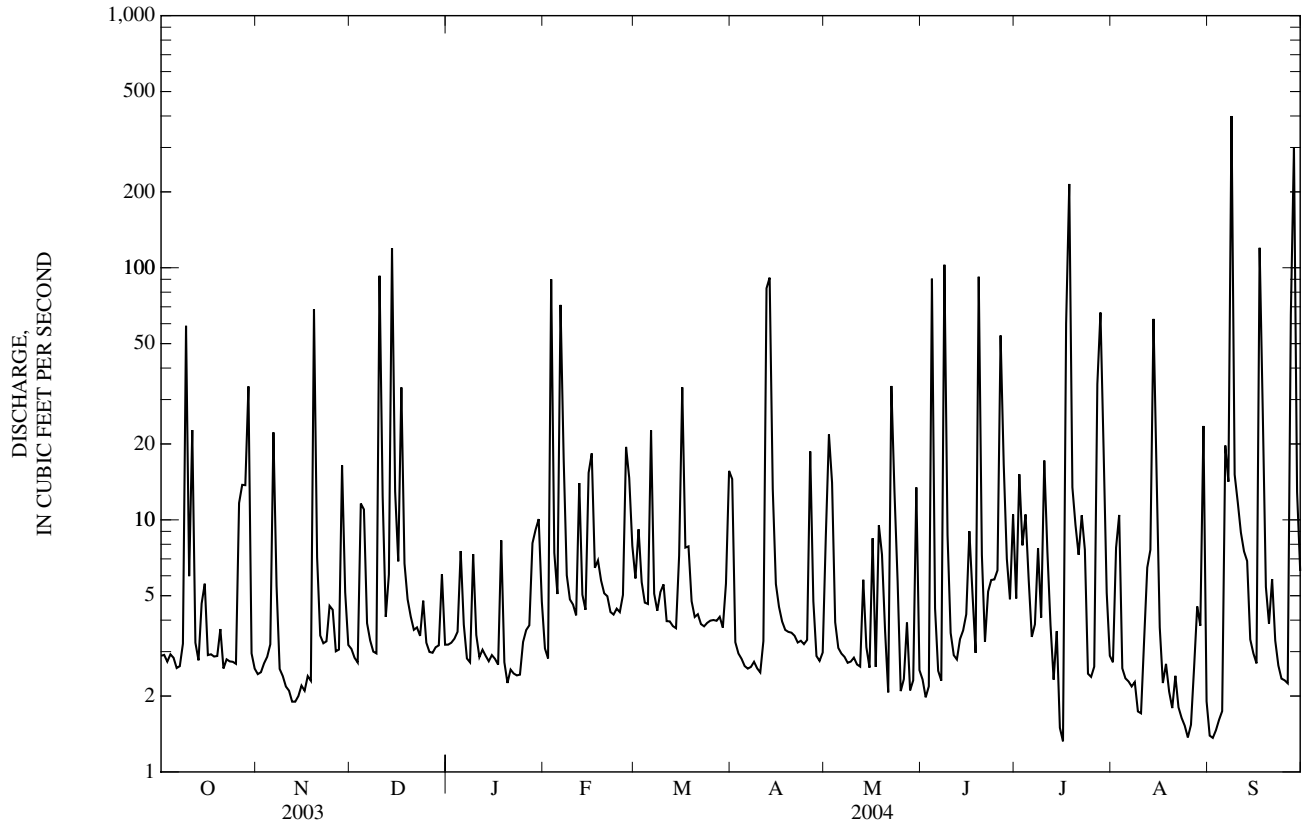
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	10.7	8.70	11.9	11.6	13.8	17.7	16.8	11.6	15.3	14.4	11.1	26.9
MAX	33.2	24.2	28.3	17.7	22.8	37.2	41.1	29.6	27.0	25.6	17.8	46.4
(WY)	(2003)	(2003)	(2003)	(2002)	(2003)	(2003)	(2003)	(2003)	(2003)	(2001)	(2003)	(2000)
MIN	2.67	2.09	5.02	4.09	6.37	6.83	3.06	3.50	3.49	5.11	5.95	6.19
(WY)	(2001)	(2002)	(2001)	(2004)	(2002)	(2004)	(2002)	(2002)	(2002)	(2002)	(2001)	(2001)

02095181 NORTH BUFFALO CREEK AT WESTOVER TERRACE AT GREENSBORO, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	8,084.1		4,304.3			
ANNUAL MEAN	22.1		11.8		14.4	
HIGHEST ANNUAL MEAN					27.1	2003
LOWEST ANNUAL MEAN					6.77	2002
HIGHEST DAILY MEAN	500	Apr 10	400	Sep 8	500	Apr 10, 2003
LOWEST DAILY MEAN	1.4	Sep 17	1.3	Jul 16	0.00	Aug 9, 2002
ANNUAL SEVEN-DAY MINIMUM	1.7	Sep 11	1.7	Aug 20	0.01	Aug 8, 2002
MAXIMUM PEAK FLOW			NOT DETERMINED		NOT DETERMINED	
MAXIMUM PEAK STAGE			12.00	Jul 17	14.07	Sep 23, 2003
INSTANTANEOUS LOW FLOW			1.2*	Aug 22	0.00*	Aug 10, 2002
ANNUAL RUNOFF (CFSM)	2.32		1.23		1.50	
ANNUAL RUNOFF (INCHES)	31.49		16.77		20.43	
10 PERCENT EXCEEDS	48		17		30	
50 PERCENT EXCEEDS	5.3		3.8		3.6	
90 PERCENT EXCEEDS	2.5		2.3		1.5	

* See REMARKS.
e Estimated.



02095181 NORTH BUFFALO CREEK AT WESTOVER TERRACE AT GREENSBORO, NC—Continued

PRECIPITATION RECORDS

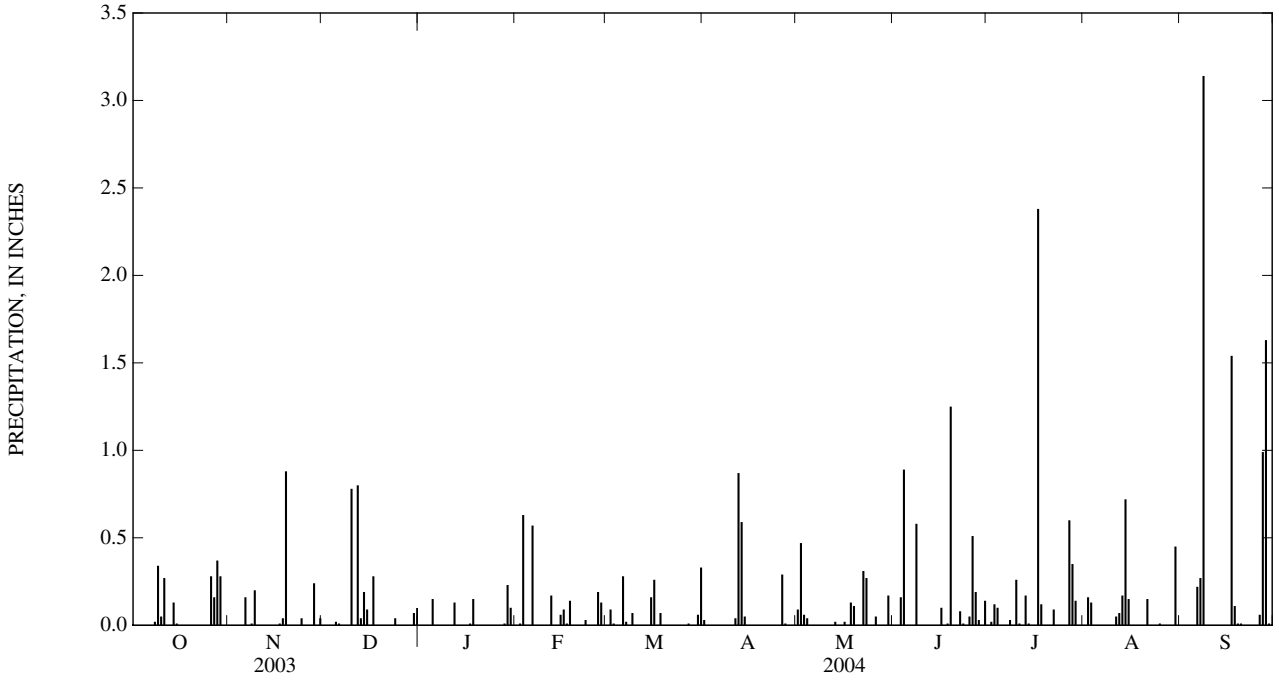
PERIOD OF RECORD.--June 1999 to current year.

GAGE.--Tipping-bucket raingage and data collection platform.

REMARKS.--Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.09	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.01	0.09	0.00	0.47	0.00	0.02	0.16	0.00
3	0.00	0.00	0.00	0.00	0.63	0.01	0.00	0.06	0.16	0.12	0.13	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.89	0.10	0.00	0.00
5	0.00	0.00	0.02	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.16	0.01	0.00	0.57	0.28	0.00	0.00	0.00	0.00	0.00	0.22
7	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.27
8	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.03	0.00	3.14
9	0.34	0.20	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00
10	0.05	0.00	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00
11	0.27	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.01	0.05	0.00
12	0.00	0.00	0.80	0.13	0.17	0.00	0.87	0.00	0.00	0.00	0.07	0.00
13	0.00	0.00	0.04	0.00	0.00	0.00	0.59	0.02	0.00	0.17	0.17	0.00
14	0.13	0.00	0.19	0.00	0.00	0.00	0.05	0.00	0.00	0.01	0.72	0.00
15	0.01	0.00	0.09	0.00	0.06	0.16	0.00	0.00	0.00	0.00	0.15	0.00
16	0.00	0.00	0.00	0.00	0.09	0.26	0.00	0.02	0.10	0.00	0.00	0.00
17	0.00	0.01	0.28	0.01	0.01	0.00	0.00	0.00	0.00	2.38	0.00	1.54
18	0.00	0.04	0.00	0.15	0.14	0.07	0.00	0.13	0.01	0.12	0.00	0.11
19	0.00	0.88	0.00	0.00	0.00	0.00	0.00	0.11	1.25	0.00	0.00	0.01
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.08	0.09	0.00	0.00
23	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.27	0.01	0.00	0.00	0.00
24	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.01	0.00
26	0.28	0.00	0.00	0.00	0.00	0.00	0.29	0.05	0.51	0.00	0.00	0.06
27	0.16	0.00	0.00	0.00	0.19	0.01	0.01	0.00	0.19	0.60	0.00	0.99
28	0.37	0.24	0.00	0.01	0.13	0.00	0.00	0.00	0.03	0.35	0.00	1.63
29	0.28	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.01
30	0.00	0.04	0.07	0.10	---	0.06	0.00	0.17	0.14	0.00	0.45	0.00
31	0.00	---	0.00	0.00	---	0.33	---	0.00	---	0.00	0.00	---
TOTAL	1.91	1.62	2.32	0.78	2.03	1.36	1.88	1.74	4.00	4.40	2.06	7.99



02095271 NORTH BUFFALO CREEK AT CHURCH STREET AT GREENSBORO, NC

LOCATION.--Lat 36°05'52", long 79°46'57", Guilford County, Hydrologic Unit 03030002, on right bank at upstream side of Church Street, and .1 mi upstream of Southern Railway bridge in Greensboro.

DRAINAGE AREA.--14.2 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1998 to current year.
REVISED RECORDS.--WDR NC-98-1, WDR NC-99-1B, WDR NC-00-1B, WDR-01-1B: maximum discharges only.

GAGE.--Water-stage recorder. Datum of gage is 738.52 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records poor. Minimum discharge for period of record also occurred Aug. 2, 2002. Minimum discharge for current water year also occurred several days in Aug. and Sept.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.9	4.3	4.1	5.9	6.5	11	34	13	4.7	7.1	2.6	2.3
2	7.1	4.3	4.1	6.0	6.0	17	8.0	39	4.0	16	39	2.5
3	6.5	4.2	3.9	6.1	126	11	7.0	28	4.1	11	29	2.4
4	6.2	4.2	15	5.9	15	9.6	6.3	8.6	127	14	3.8	2.4
5	6.0	4.3	16	13	11	9.3	6.1	6.7	8.9	9.5	2.9	2.3
6	5.4	24	4.7	7.9	99	39	6.2	6.3	5.9	4.9	2.5	35
7	4.9	8.8	4.0	5.7	34	11	6.3	6.0	5.6	4.8	2.4	22
8	5.4	4.8	4.3	5.8	12	9.7	6.0	6.2	135	8.0	2.7	779
9	75	4.1	4.1	12	10	9.9	6.0	6.4	14	6.0	2.1	21
10	10	4.3	114	6.9	9.3	11	5.6	6.2	5.0	18	2.4	12
11	35	4.3	25	5.7	8.8	7.1	5.8	5.8	4.4	10	17	8.8
12	5.5	3.6	9.6	6.6	26	7.2	122	5.8	4.5	5.8	19	7.7
13	4.4	3.7	10	6.1	10	7.4	111	8.3	4.1	4.2	23	6.8
14	7.4	4.1	162	6.0	9.0	6.9	23	6.8	4.3	6.3	99	4.4
15	11	4.6	21	6.1	29	11	9.7	5.8	4.8	4.0	24	3.9
16	4.2	4.0	13	5.7	33	50	8.4	20	8.2	3.7	6.6	3.8
17	4.4	4.0	50	5.4	13	13	7.4	6.2	9.8	114	4.2	234
18	4.7	5.7	12	14	13	12	7.1	26	4.9	361	3.9	54
19	4.5	91	9.6	6.1	12	7.8	7.4	12	125	12	3.4	10
20	5.3	9.8	8.1	5.8	11	7.2	6.5	8.1	12	9.2	3.1	6.9
21	5.3	4.7	7.8	5.6	10	7.6	6.6	5.2	5.2	6.9	5.3	7.6
22	4.1	4.1	8.2	5.5	9.1	6.8	6.2	47	8.2	13	3.9	6.5
23	3.6	4.4	8.0	5.4	9.5	6.7	6.2	24	6.4	14	2.8	5.1
24	4.0	5.2	11	5.2	9.8	6.8	6.0	11	6.8	3.2	2.5	5.1
25	3.8	5.9	7.2	5.5	9.3	6.6	6.4	5.1	6.3	3.4	2.1	4.6
26	21	4.2	6.7	7.1	8.9	6.7	31	5.8	68	3.3	2.3	4.6
27	22	4.2	6.8	7.1	34	6.4	8.6	7.8	23	47	2.3	81
28	24	28	7.5	13	25	7.2	5.9	4.7	8.7	91	4.0	543
29	56	6.5	7.4	15	14	6.9	5.5	4.9	6.3	33	4.1	23
30	5.3	4.6	12	16	---	8.8	5.5	23	32	6.5	47	12
31	4.5	---	6.3	8.8	---	27	---	5.0	---	3.3	3.3	---
TOTAL	373.4	273.9	583.4	236.9	623.2	365.6	487.7	374.7	667.1	854.1	372.2	1,913.7
MEAN	12.0	9.13	18.8	7.64	21.5	11.8	16.3	12.1	22.2	27.6	12.0	63.8
MAX	75	91	162	16	126	50	122	47	135	361	99	779
MIN	3.6	3.6	3.9	5.2	6.0	6.4	5.5	4.7	4.0	3.2	2.1	2.3
CFSM	0.85	0.64	1.33	0.54	1.51	0.83	1.14	0.85	1.57	1.94	0.85	4.49
IN.	0.98	0.72	1.53	0.62	1.63	0.96	1.28	0.98	1.75	2.24	0.98	5.01

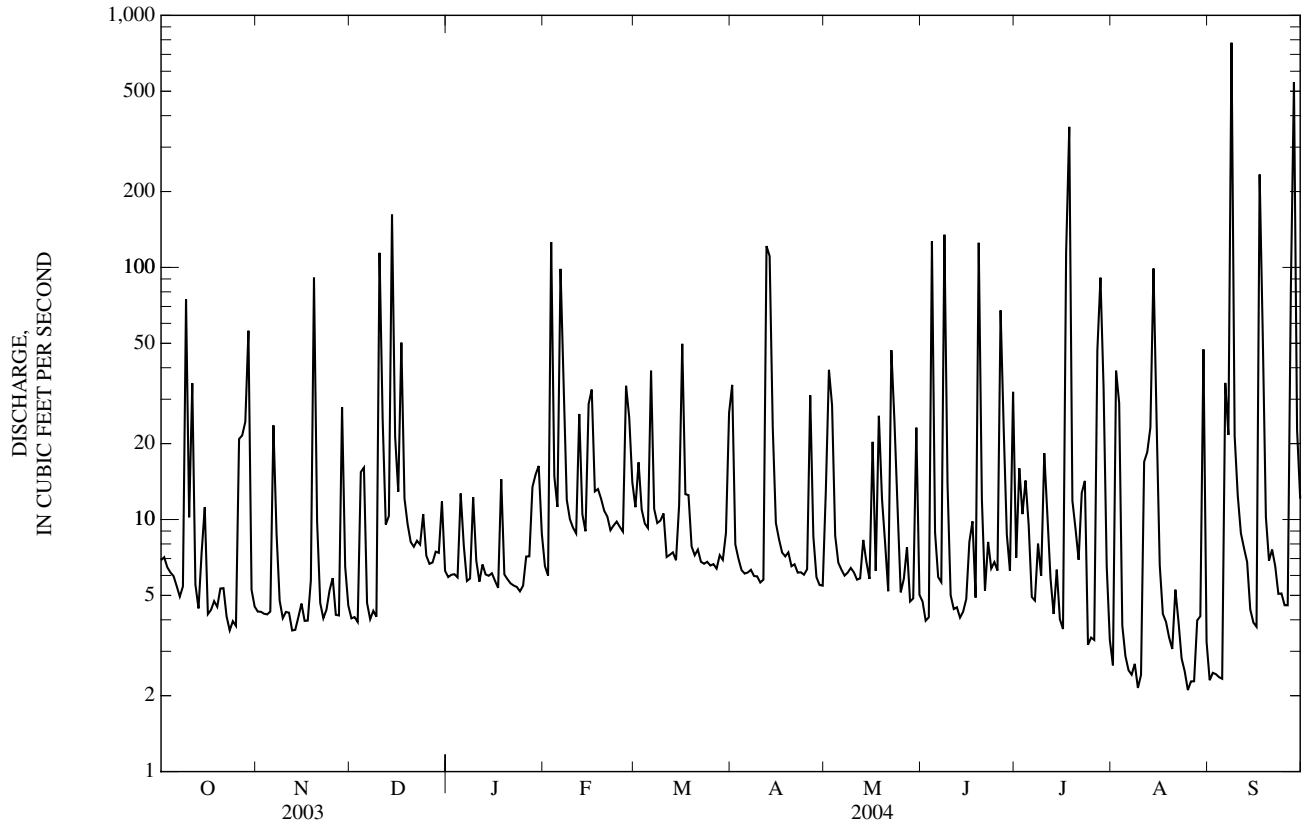
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	16.4	13.2	17.7	20.2	21.6	27.5	26.3	18.8	22.4	23.7	17.9	35.5
MAX	52.1	34.7	33.8	29.4	38.2	67.5	65.5	47.6	40.3	36.8	37.0	63.8
(WY)	(2003)	(2003)	(2003)	(1999)	(2003)	(2003)	(2003)	(2003)	(2003)	(2001)	(2003)	(2004)
MIN	4.71	3.99	10.1	7.64	10.3	11.8	6.20	10.5	9.73	12.9	11.2	8.72
(WY)	(1999)	(2002)	(2001)	(2004)	(2002)	(2004)	(2002)	(1999)	(2002)	(2002)	(2001)	(1998)

02095271 NORTH BUFFALO CREEK AT CHURCH STREET AT GREENSBORO, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	13,418.9		7,125.9			
ANNUAL MEAN	36.8		19.5		22.2	
HIGHEST ANNUAL MEAN					43.5	2003
LOWEST ANNUAL MEAN					13.3	2002
HIGHEST DAILY MEAN	850	Sep 23	779	Sep 8	850	Sep 23, 2003
LOWEST DAILY MEAN	3.6	Oct 23	2.1	Aug 9	1.4	Aug 2, 2002
ANNUAL SEVEN-DAY MINIMUM	4.0	Nov 11	2.7	Aug 4	1.9	Aug 1, 2002
MAXIMUM PEAK FLOW			2,370	Sep 8	NOT DETERMINED	
MAXIMUM PEAK STAGE			15.10	Sep 8	17.81	Sep 23, 2003
INSTANTANEOUS LOW FLOW			1.8*	Aug 9	1.2	Oct 17, 1998
ANNUAL RUNOFF (CFSM)	2.59		1.37		1.56	
ANNUAL RUNOFF (INCHES)	35.15		18.67		21.25	
10 PERCENT EXCEEDS	81		33		48	
50 PERCENT EXCEEDS	11		6.8		7.8	
90 PERCENT EXCEEDS	4.7		4.0		3.8	

* See REMARKS.



02095271 NORTH BUFFALO CREEK AT CHURCH STREET AT GREENSBORO, NC—Continued

PRECIPITATION RECORDS

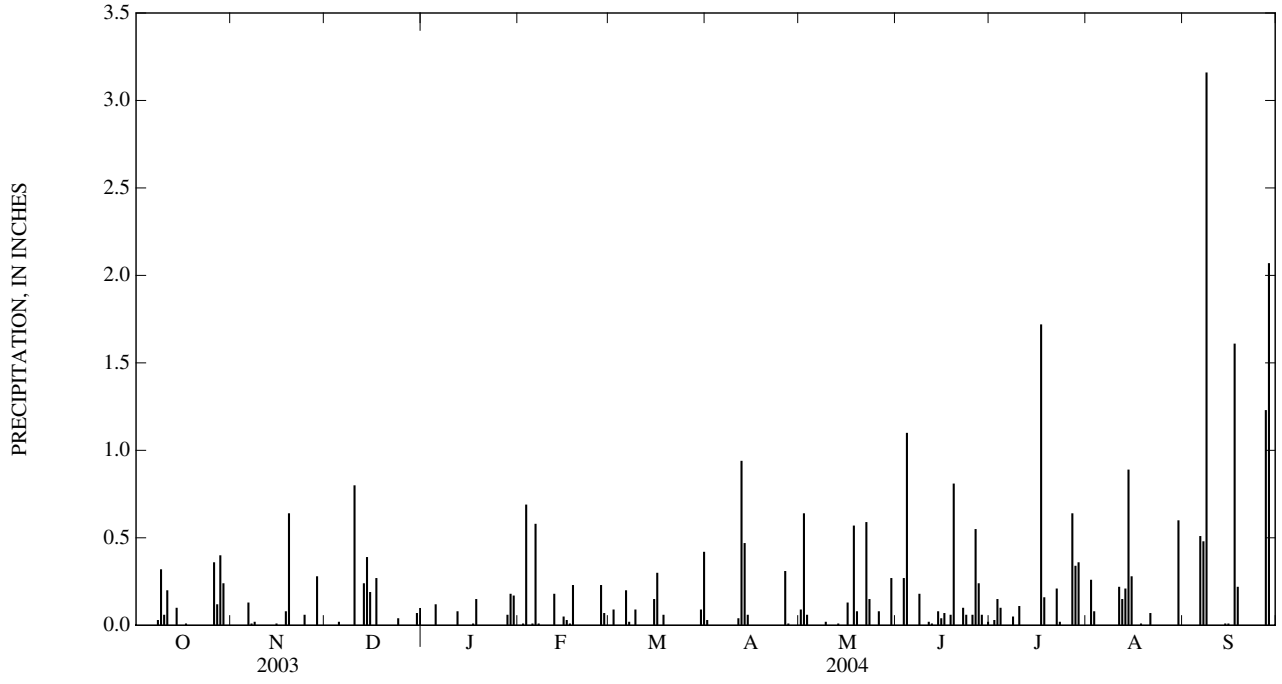
PERIOD OF RECORD.--August 1998 to current year.

GAGE.--Tipping-bucket raingage and data collection platform.

REMARKS.--Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.09	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.01	0.09	0.00	0.64	0.00	0.03	0.26	0.00
3	0.00	0.00	0.00	0.00	0.69	0.00	0.00	0.06	0.27	0.15	0.08	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.10	0.00	0.00
5	0.00	0.00	0.02	0.12	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.13	0.00	0.00	0.58	0.20	0.00	0.00	0.00	0.00	0.00	0.51
7	0.00	0.01	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.48
8	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.05	0.00	3.16
9	0.32	0.00	0.00	0.00	0.00	0.09	0.00	0.02	0.00	0.00	0.00	0.00
10	0.06	0.00	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00
11	0.20	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.02	0.00	0.22	0.00
12	0.00	0.00	0.00	0.08	0.18	0.00	0.94	0.00	0.01	0.00	0.15	0.00
13	0.00	0.00	0.24	0.00	0.00	0.00	0.47	0.01	0.00	0.00	0.21	0.00
14	0.10	0.00	0.39	0.00	0.00	0.00	0.06	0.00	0.08	0.00	0.89	0.01
15	0.00	0.01	0.19	0.00	0.05	0.15	0.00	0.00	0.04	0.00	0.28	0.01
16	0.00	0.00	0.00	0.00	0.03	0.30	0.00	0.13	0.07	0.00	0.00	0.00
17	0.01	0.00	0.27	0.01	0.01	0.00	0.00	0.00	0.00	1.72	0.00	1.61
18	0.00	0.08	0.00	0.15	0.23	0.06	0.00	0.57	0.06	0.16	0.01	0.22
19	0.00	0.64	0.00	0.00	0.00	0.00	0.00	0.08	0.81	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.10	0.21	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.06	0.02	0.00	0.00
24	0.00	0.06	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00
26	0.36	0.00	0.00	0.00	0.00	0.00	0.31	0.08	0.55	0.00	0.00	0.00
27	0.12	0.00	0.00	0.00	0.23	0.00	0.01	0.00	0.24	0.64	0.00	1.23
28	0.40	0.28	0.00	0.06	0.07	0.00	0.00	0.00	0.06	0.34	0.00	2.07
29	0.24	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.00
30	0.00	0.00	0.07	0.17	---	0.09	0.00	0.27	0.02	0.00	0.60	0.00
31	0.00	---	0.00	0.00	---	0.42	---	0.00	---	0.00	0.00	---
TOTAL	1.84	1.23	2.02	0.77	2.10	1.42	1.86	2.69	3.73	3.89	2.77	9.30



02095500 NORTH BUFFALO CREEK NEAR GREENSBORO, NC

LOCATION.--Lat 36°07'14", long 79°42'29", Guilford County, Hydrologic Unit 03030002, on left bank at downstream of bridge on Secondary Road 2832, 4.2 mi upstream from mouth, 5.8 mi northeast of post office in Greensboro.

DRAINAGE AREA.--37.1 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to October 1990, August 1998 to current year.

REVISED RECORDS.--WSP 1303: 1929, 1931-42, monthly and yearly runoff. WSP 1383: 1928(M), 1929, 1933-34(M), 1936(M), 1941(M), 1943(M), 1945(M). WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 678.02 ft above NGVD of 1929 (levels by U. S. Army Corps of Engineers). Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records poor. Diurnal fluctuation at low flow caused by mills upstream from station. Diversions into basin from Greensboro and Proximity Mills enter upstream from the station. Maximum discharge for period of record, 9,140 ft^3/s, from rating curve extended above 2,900 ft^3/s on basis of contracted-opening measurements at gage heights 14.15 ft, 15.96 ft and 16.63 ft. Maximum gage height for period of record, from floodmarks. Minimum discharge for current water year also occurred on Sept. 6.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	27	29	28	33	41	117	31	25	32	22	19
2	26	25	29	28	32	45	35	80	23	30	62	18
3	27	25	27	29	264	44	33	79	24	33	45	18
4	26	25	38	29	62	36	30	37	234	35	23	17
5	25	24	69	34	42	35	31	30	41	30	22	17
6	24	43	36	37	185	75	32	27	27	23	20	57
7	24	46	32	28	144	40	32	26	27	22	19	64
8	23	28	30	28	51	35	31	27	139	24	19	1,220
9	117	25	30	38	41	33	30	27	53	29	20	110
10	54	24	176	34	38	39	28	27	27	32	19	39
11	68	25	115	30	36	32	28	28	25	45	22	30
12	32	24	42	32	59	31	219	27	25	25	37	27
13	27	23	36	31	42	30	218	26	24	22	31	26
14	25	24	332	31	35	30	90	28	25	25	174	24
15	39	26	87	29	53	35	46	26	25	22	50	22
16	25	24	56	29	87	90	37	86	26	20	32	22
17	25	24	115	29	48	58	33	36	31	46	23	359
18	25	26	54	43	45	42	32	58	23	427	22	176
19	24	150	41	32	44	37	32	44	145	38	21	41
20	25	54	36	31	40	33	31	36	54	31	21	29
21	25	33	33	30	37	33	30	27	25	26	23	26
22	23	32	33	29	34	32	29	75	28	27	26	25
23	24	29	32	29	33	30	29	43	24	42	19	24
24	24	29	35	29	34	30	28	41	28	23	19	22
25	25	32	30	29	32	31	28	26	25	21	18	22
26	43	28	30	32	32	31	62	24	121	21	19	20
27	54	28	30	32	68	30	41	30	51	66	18	67
28	45	61	30	45	68	30	29	25	31	163	19	1,320
29	135	43	30	50	55	32	27	24	28	148	20	94
30	32	31	37	56	---	32	28	50	62	44	96	50
31	28	---	30	44	---	42	---	27	---	24	25	---
TOTAL	1,146	1,038	1,760	1,035	1,774	1,194	1,496	1,178	1,446	1,596	1,006	4,005
MEAN	37.0	34.6	56.8	33.4	61.2	38.5	49.9	38.0	48.2	51.5	32.5	134
MAX	135	150	332	56	264	90	219	86	234	427	174	1,320
MIN	23	23	27	28	32	30	27	24	23	20	18	17
CFSM	1.00	0.93	1.53	0.90	1.65	1.04	1.34	1.02	1.30	1.39	0.87	3.60
IN.	1.15	1.04	1.76	1.04	1.78	1.20	1.50	1.18	1.45	1.60	1.01	4.02

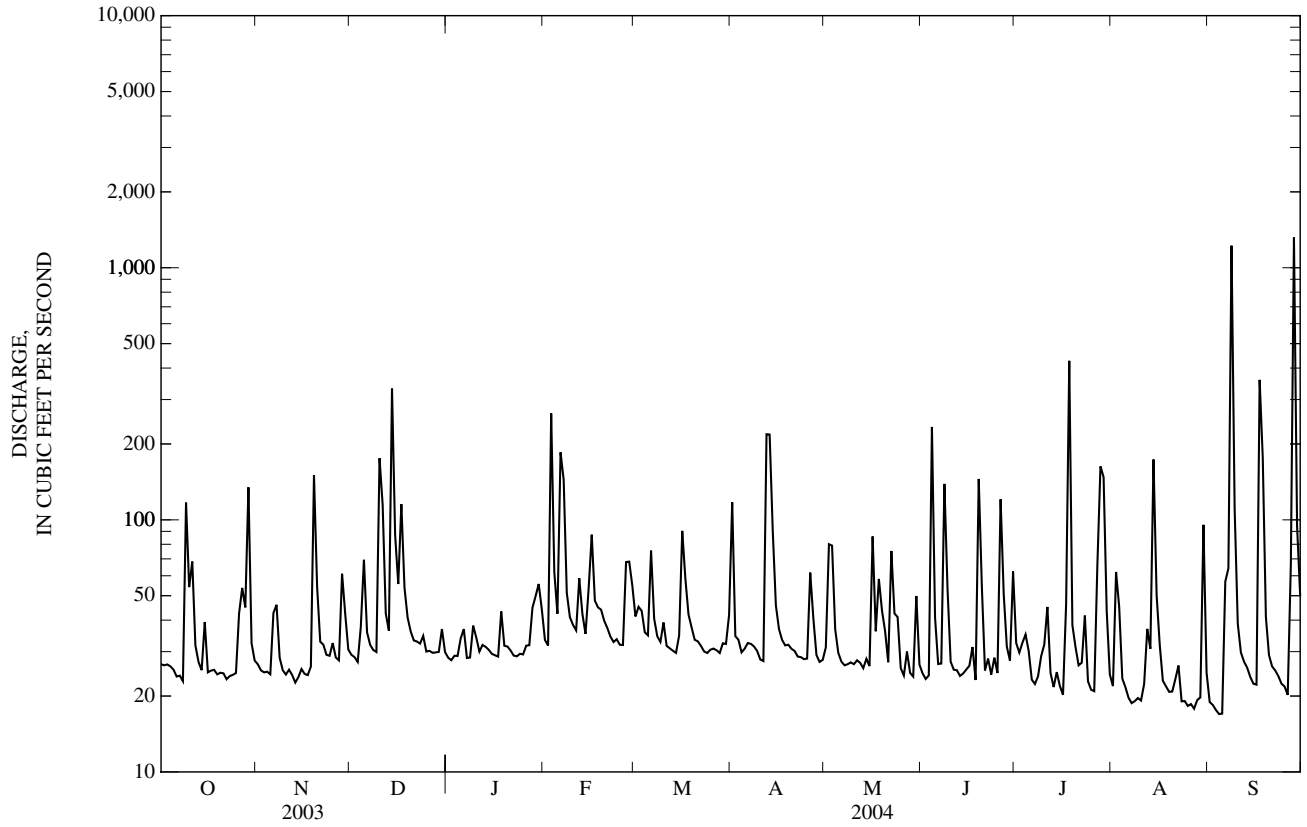
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2004,@ BY WATER YEAR (WY)

MEAN	43.5	43.2	56.5	70.5	82.6	79.7	66.9	53.2	51.1	51.6	43.7	51.7
MAX	154	120	129	205	185	231	206	177	192	231	112	247
(WY)	(1960)	(1986)	(1973)	(1978)	(1979)	(1975)	(1987)	(1978)	(1982)	(1984)	(1984)	(1979)
MIN	7.71	8.73	13.1	17.3	22.0	31.4	20.3	16.2	10.2	11.2	7.82	8.63
(WY)	(1931)	(1932)	(1934)	(1934)	(1931)	(1931)	(1942)	(1938)	(1933)	(1932)	(1932)	(1930)

02095500 NORTH BUFFALO CREEK NEAR GREENSBORO, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1928 - 2004[@]	
ANNUAL TOTAL	33,124		18,674			
ANNUAL MEAN	90.8		51.0		57.6	
HIGHEST ANNUAL MEAN					109	2003
LOWEST ANNUAL MEAN					30.6	1938
HIGHEST DAILY MEAN	1,930	Mar 20	1,320	Sep 28	4,400	Sep 22, 1979
LOWEST DAILY MEAN	22	Sep 17	17	Sep 4	3.4	Aug 28, 1932
ANNUAL SEVEN-DAY MINIMUM	24	Oct 18	19	Aug 23	6.2	Aug 28, 1930
MAXIMUM PEAK FLOW			2,970	Sep 28	9140*	Sep 22, 1979
MAXIMUM PEAK STAGE			12.03	Sep 28	20.12*	Sep 22, 1979
INSTANTANEOUS LOW FLOW			14*	Aug 27	1.6	Aug 28, 1932
ANNUAL RUNOFF (CFSM)	2.45		1.38		1.55	
ANNUAL RUNOFF (INCHES)	33.21		18.72		21.10	
10 PERCENT EXCEEDS	174		75		100	
50 PERCENT EXCEEDS	42		31		31	
90 PERCENT EXCEEDS	25		23		16	

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



02095500 NORTH BUFFALO CREEK NEAR GREENSBORO, NC—Continued

PRECIPITATION RECORDS

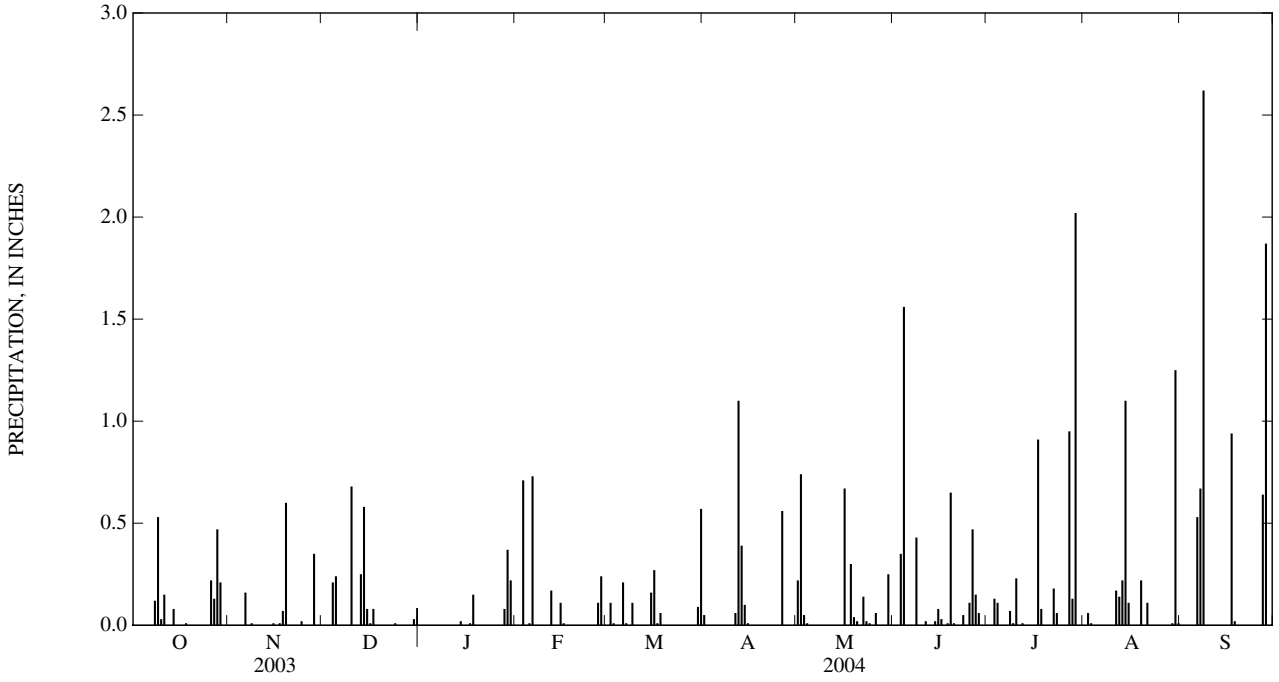
PERIOD OF RECORD.--August 1998 to current year.

GAGE.--Tipping-bucket raingage and data collection platform.

REMARKS.--Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.22	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.74	0.00	0.00	0.06	0.00
3	0.00	0.00	0.00	0.00	0.71	0.01	0.00	0.05	0.35	0.13	0.01	0.00
4	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.01	1.56	0.11	0.00	0.00
5	0.00	0.00	0.24	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.16	0.00	0.00	0.73	0.21	0.00	0.00	0.00	0.00	0.00	0.53
7	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.67
8	0.12	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.07	0.00	2.62
9	0.53	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.01	0.00	0.00
10	0.03	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00
11	0.15	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.02	0.00	0.17	0.00
12	0.00	0.00	0.00	0.00	0.17	0.00	1.10	0.00	0.00	0.01	0.14	0.00
13	0.00	0.00	0.25	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.22	0.00
14	0.08	0.00	0.58	0.02	0.00	0.00	0.10	0.00	0.02	0.00	1.10	0.00
15	0.00	0.01	0.08	0.00	0.11	0.16	0.01	0.00	0.08	0.00	0.11	0.00
16	0.00	0.00	0.01	0.00	0.01	0.27	0.00	0.67	0.03	0.00	0.00	0.00
17	0.00	0.01	0.08	0.01	0.00	0.01	0.00	0.00	0.00	0.91	0.00	0.94
18	0.01	0.07	0.00	0.15	0.00	0.06	0.00	0.30	0.01	0.08	0.00	0.02
19	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.04	0.65	0.00	0.22	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.18	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.05	0.06	0.00	0.00
24	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00
26	0.22	0.00	0.00	0.00	0.00	0.00	0.56	0.06	0.47	0.00	0.00	0.00
27	0.13	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.15	0.95	0.00	0.64
28	0.47	0.35	0.00	0.08	0.24	0.00	0.00	0.00	0.06	0.13	0.00	1.87
29	0.21	0.00	0.00	0.37	0.00	0.00	0.00	0.00	0.00	2.02	0.01	0.00
30	0.00	0.00	0.03	0.22	---	0.09	0.00	0.25	0.00	0.00	1.25	0.00
31	0.00	---	0.00	0.00	---	0.57	---	0.00	---	0.00	0.01	---
TOTAL	1.95	1.23	2.17	0.85	2.09	1.61	2.27	2.53	4.00	4.89	3.41	7.29



0209553650 BUFFALO CREEK AT SECONDARY ROAD 2819 NEAR McLEANSVILLE, NC

LOCATION.--Lat 36°07'41", long 79°39'42", Guilford County, Hydrologic Unit 03030002, on left bank of upstream side of bridge on Secondary Road 2819, 300 ft below the confluence of North Buffalo Creek and South Buffalo Creek, and 1.3 mi north of McLeansville.

DRAINAGE AREA.--88.5 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1998 to current year.
REVISED RECORDS.--WDR NC-02-1B: 1999 (M).

GAGE.--Water-stage recorder. Elevation of gage is 650 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	69	70	74	89	122	400	80	64	206	84	59
2	74	68	67	74	83	109	102	151	57	62	116	57
3	71	71	63	74	801	135	85	267	56	64	186	52
4	73	72	67	74	223	96	77	117	547	95	84	46
5	72	70	186	77	134	91	77	87	171	122	65	47
6	70	91	95	114	366	189	75	82	73	62	62	65
7	72	132	75	76	760	120	76	80	65	56	58	177
8	73	79	72	73	149	91	74	71	164	55	57	2,530
9	209	68	71	83	110	82	71	72	174	86	58	1,990
10	271	66	289	101	99	102	66	80	70	52	58	143
11	194	69	534	78	90	86	66	85	60	218	57	101
12	94	71	114	82	143	85	487	83	59	63	98	79
13	78	64	92	83	121	77	674	82	56	60	91	67
14	75	65	1,010	76	89	76	413	95	e65	62	590	66
15	124	69	302	76	96	83	144	90	e70	56	179	64
16	76	68	172	77	267	199	109	153	e75	54	126	61
17	68	71	303	75	141	190	97	159	e90	46	78	762
18	67	69	175	106	109	108	87	95	e80	1,900	69	839
19	67	346	118	93	120	117	91	164	e295	197	68	137
20	67	206	100	79	101	85	87	111	e150	137	63	88
21	68	86	91	76	89	83	84	80	e75	87	54	77
22	66	73	86	76	83	80	81	146	57	81	82	66
23	65	69	87	71	79	76	86	94	54	134	56	64
24	68	68	90	71	80	75	79	119	61	79	48	58
25	65	75	81	70	78	79	78	72	48	67	45	55
26	80	70	72	77	76	79	120	65	274	72	50	52
27	185	66	74	77	147	79	158	80	106	168	50	102
28	95	97	73	93	188	76	86	66	73	556	48	3,530
29	476	157	77	131	189	68	77	59	76	511	47	786
30	107	74	91	149	---	65	80	133	217	444	218	132
31	80	---	81	140	---	89	---	74	---	107	84	---
TOTAL	3,331	2,719	4,878	2,676	5,100	3,092	4,287	3,192	3,482	5,959	3,029	12,352
MEAN	107	90.6	157	86.3	176	99.7	143	103	116	192	97.7	412
MAX	476	346	1,010	149	801	199	674	267	547	1,900	590	3,530
MIN	65	64	63	70	76	65	66	59	48	46	45	46
CFSM	1.21	1.02	1.78	0.98	1.99	1.13	1.61	1.16	1.31	2.17	1.10	4.65
IN.	1.40	1.14	2.05	1.12	2.14	1.30	1.80	1.34	1.46	2.50	1.27	5.19

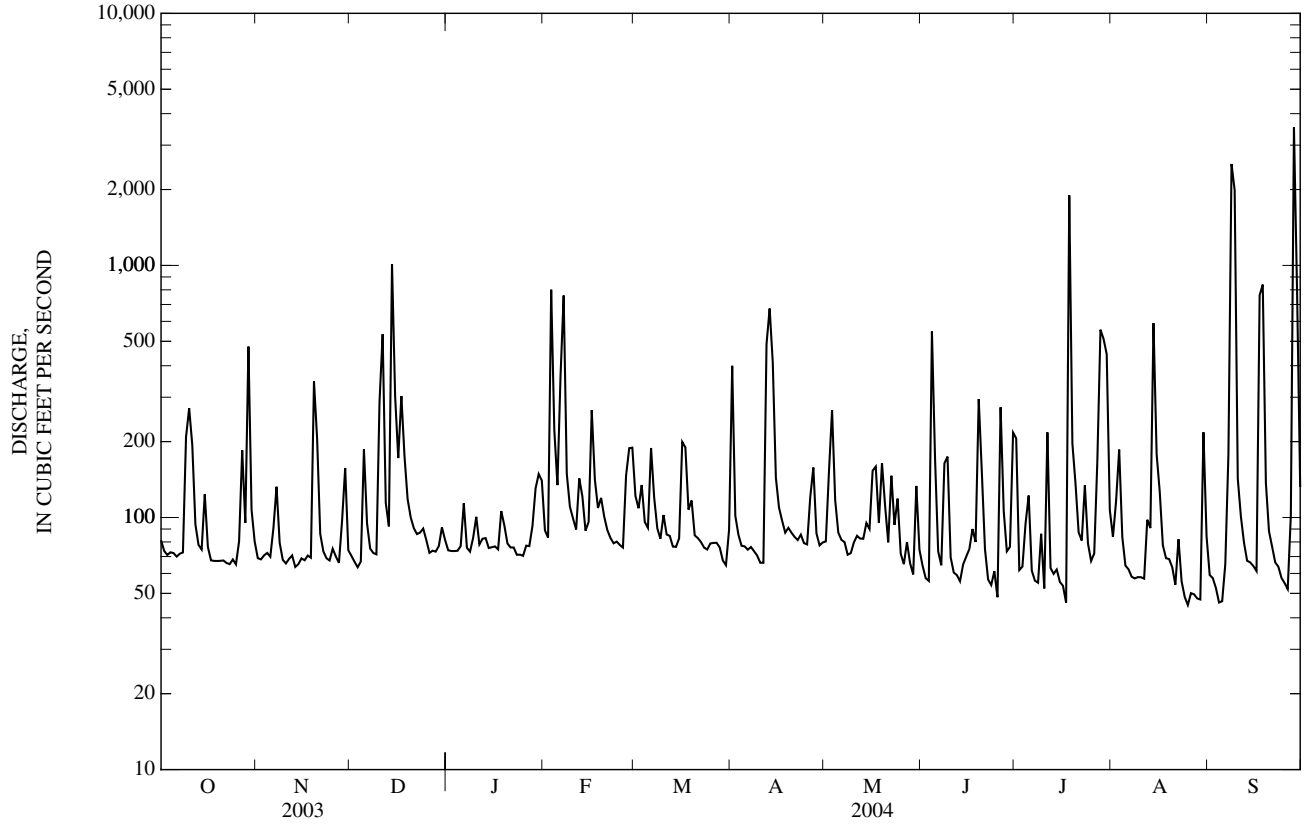
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	128	110	153	172	176	212	222	140	160	164	138	273
MAX	346	286	362	271	299	532	552	343	329	262	291	412
(WY)	(2003)	(2003)	(2003)	(1999)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	57.6	53.1	77.5	86.3	100	99.7	74.5	70.7	55.3	75.2	76.5	76.6
(WY)	(1999)	(1999)	(2001)	(2004)	(1999)	(2004)	(2002)	(2002)	(2002)	(2002)	(2002)	(1998)

0209553650 BUFFALO CREEK AT SECONDARY ROAD 2819 NEAR McLEANSVILLE, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	107,868		54,097			
ANNUAL MEAN	296		148		174	
HIGHEST ANNUAL MEAN					349	2003
LOWEST ANNUAL MEAN					100	2002
HIGHEST DAILY MEAN	4,550	Mar 20	3,530	Sep 28	4,550	Mar 20, 2003
LOWEST DAILY MEAN	43	Jun 26	45	Aug 25	37	Aug 10, 2002
ANNUAL SEVEN-DAY MINIMUM	57	Jun 21	49	Aug 23	40	Aug 8, 2002
MAXIMUM PEAK FLOW			5,490	Sep 28	6,720	Mar 20, 2003
MAXIMUM PEAK STAGE			17.06	Sep 28	19.35	Mar 20, 2003
INSTANTANEOUS LOW FLOW			28	Aug 25	22	Jul 21, 2002
ANNUAL RUNOFF (CFSM)	3.34		1.67		1.97	
ANNUAL RUNOFF (INCHES)	45.34		22.74		26.70	
10 PERCENT EXCEEDS	664		207		306	
50 PERCENT EXCEEDS	122		80		81	
90 PERCENT EXCEEDS	69		60		54	

e Estimated.



0209553650 BUFFALO CREEK AT SECONDARY ROAD 2819 NEAR McLEANSVILLE, NC—Continued

PRECIPITATION RECORDS

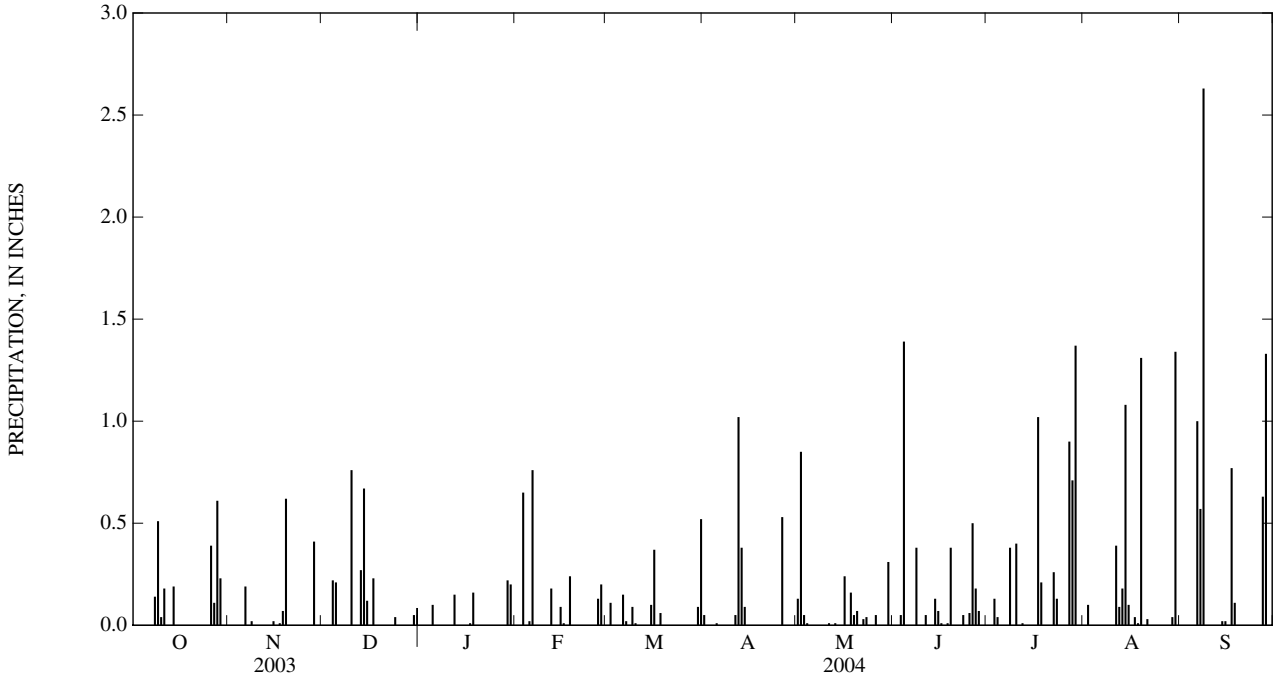
PERIOD OF RECORD.--August 1998 to current year.

GAGE.--Tipping-bucket raingage and data collection platform.

REMARKS.--Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.13	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.85	0.00	0.00	0.10	0.00
3	0.00	0.00	0.00	0.00	0.65	0.00	0.00	0.05	0.05	0.13	0.00	0.00
4	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.01	1.39	0.04	0.00	0.00
5	0.00	0.00	0.21	0.10	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00
6	0.00	0.19	0.00	0.00	0.76	0.15	0.00	0.00	0.00	0.00	0.00	1.00
7	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.57
8	0.14	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.38	0.00	2.63
9	0.51	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00
10	0.04	0.00	0.76	0.00	0.00	0.01	0.00	0.00	0.00	0.40	0.00	0.00
11	0.18	0.00	0.00	0.00	0.00	0.00	0.05	0.01	0.05	0.00	0.39	0.00
12	0.00	0.00	0.00	0.15	0.18	0.00	1.02	0.00	0.00	0.01	0.09	0.00
13	0.00	0.00	0.27	0.00	0.00	0.00	0.38	0.01	0.00	0.00	0.18	0.00
14	0.19	0.00	0.67	0.00	0.00	0.00	0.09	0.00	0.13	0.00	1.08	0.02
15	0.00	0.02	0.12	0.00	0.09	0.10	0.00	0.00	0.07	0.00	0.10	0.02
16	0.00	0.00	0.00	0.00	0.01	0.37	0.00	0.24	0.01	0.00	0.00	0.00
17	0.00	0.01	0.23	0.01	0.00	0.00	0.00	0.00	0.00	1.02	0.04	0.77
18	0.00	0.07	0.00	0.16	0.24	0.06	0.00	0.16	0.01	0.21	0.01	0.11
19	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.05	0.38	0.00	1.31	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.26	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.05	0.13	0.00	0.00
24	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00
26	0.39	0.00	0.00	0.00	0.00	0.00	0.53	0.05	0.50	0.00	0.00	0.00
27	0.11	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.18	0.90	0.00	0.63
28	0.61	0.41	0.00	0.00	0.20	0.00	0.00	0.00	0.07	0.71	0.00	1.33
29	0.23	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	1.37	0.04	0.00
30	0.00	0.00	0.05	0.20	---	0.09	0.00	0.31	0.00	0.00	1.34	0.00
31	0.00	---	0.00	0.00	---	0.52	---	0.00	---	0.00	0.00	---
TOTAL	2.40	1.34	2.57	0.84	2.28	1.52	2.13	2.01	3.33	5.56	4.71	7.08



02096500 HAW RIVER AT HAW RIVER, NC

LOCATION.--Lat 36°05'14", long 79°21'58", Alamance County, Hydrologic unit 03030002, on left bank at Haw River, 650 ft downstream of Southern Railway bridge, 800 ft downstream of bridge on U.S. Highway 70 and State Highway 49, and 3 mi downstream of Stony Creek.

DRAINAGE AREA.--606 mi^2.

PERIOD OF RECORD.--October 1928 to current year.

REVISED RECORDS.--WSP 757: 1929 (M). WSP 782: 1934. WSP 1383: 1930,1932(M), 1933(m), 1936, 1943, 1944 (M), 1947(m). WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 471.69 ft above NGVD of 1929. U.S. Army Corps of Engineers satellite telemetry at station.

REMARKS.--Records good, except those for estimated daily discharges, which are poor. Diurnal fluctuations and occasional regulation at low flows. City of Burlington diverted an average of 4.5 ft^3/s from two Stony Creek Reservoirs (stations 02096003 and 02096432) for municipal water supply, about half of which was returned upstream of station as treated effluent, the remainder was returned downstream of station. Maximum discharge for period of record from rating curve extended above 38,000 ft^3/s, by logarithmic plotting; maximum gage height, 32.83 ft, from flood mark.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	337	328	333	347	398	609	741	280	165	456	234	235
2	317	286	303	352	344	574	604	373	141	210	245	167
3	302	267	272	331	1,520	584	375	890	127	167	346	139
4	274	255	247	321	2,050	531	321	705	406	178	256	124
5	262	258	348	328	1,180	448	289	566	1,030	194	166	116
6	253	265	467	385	897	433	261	396	297	191	147	472
7	247	375	416	376	3,730	595	244	304	227	134	130	1,220
8	247	358	362	308	2,120	451	251	258	307	258	117	4,920
9	266	293	321	312	1,460	391	248	226	500	181	186	6,430
10	601	258	445	348	1,140	357	236	208	295	151	115	2,420
11	388	252	2,090	344	893	342	234	197	286	261	107	1,690
12	512	256	1,420	312	932	315	426	190	297	223	187	988
13	397	266	772	325	773	306	2,150	184	205	160	347	543
14	343	254	2,470	312	523	289	2,600	176	175	136	868	360
15	383	237	2,640	300	470	283	1,660	174	171	127	1,180	617
16	373	261	1,560	288	641	343	950	161	1,030	110	478	574
17	292	253	1,280	294	733	663	682	264	1,010	102	326	752
18	269	258	1,510	303	631	499	518	203	480	917	758	2,560
19	252	317	1,140	367	668	473	431	e200	293	1,280	321	997
20	239	928	980	339	599	423	406	e240	560	410	254	551
21	236	490	763	299	545	376	369	e280	291	308	e190	421
22	231	413	600	271	498	346	340	239	250	176	e180	309
23	218	355	508	264	454	310	316	295	242	143	e165	241
24	222	315	485	262	465	288	301	242	271	191	e140	208
25	209	308	506	265	415	272	281	217	239	121	127	175
26	207	331	400	297	375	269	279	172	240	106	117	166
27	284	301	344	313	412	274	445	154	466	116	118	162
28	375	333	329	309	587	281	385	154	253	677	122	4,770
29	827	483	321	345	712	265	333	145	230	1,020	133	5,860
30	742	386	326	405	---	252	293	168	218	1,200	908	2,370
31	393	---	373	513	---	275	---	233	---	363	726	---
TOTAL	10,498	9,940	24,331	10,135	26,165	12,117	16,969	8,494	10,702	10,267	9,694	40,557
MEAN	339	331	785	327	902	391	566	274	357	331	313	1,352
MAX	827	928	2,640	513	3,730	663	2,600	890	1,030	1,280	1,180	6,430
MIN	207	237	247	262	344	252	234	145	127	102	107	116
CFSM	0.56	0.55	1.30	0.54	1.49	0.65	0.93	0.45	0.59	0.55	0.52	2.23
IN.	0.64	0.61	1.49	0.62	1.61	0.74	1.04	0.52	0.66	0.63	0.60	2.49

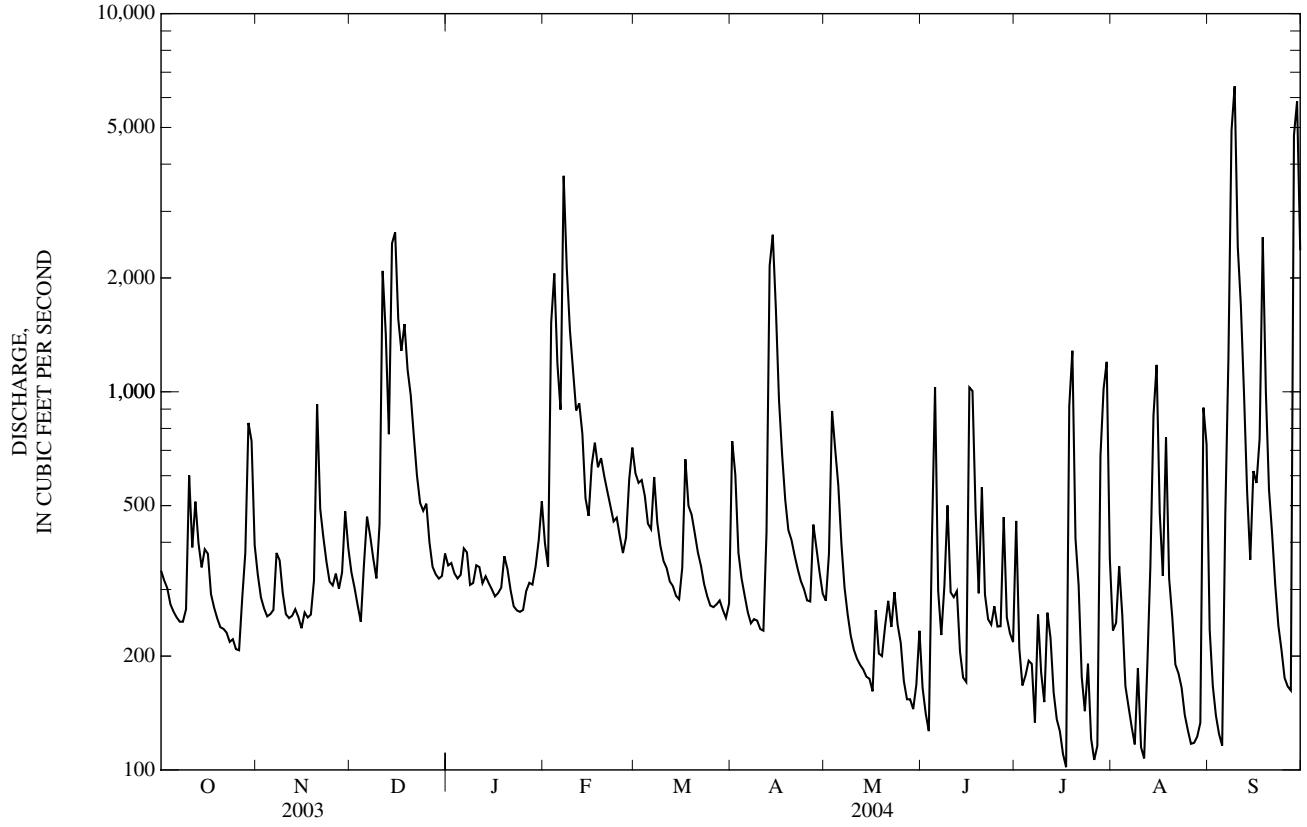
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

MEAN	396	407	576	889	1,004	1,023	831	492	429	394	359	455
MAX	2,480	1,286	1,553	2,977	2,492	3,276	2,771	1,948	2,145	2,348	1,662	4,373
(WY)	(1960)	(1948)	(2003)	(1937)	(1998)	(1993)	(1987)	(1978)	(1982)	(1984)	(1939)	(1996)
MIN	48.9	61.1	118	172	236	289	164	107	74.5	70.9	57.2	33.4
(WY)	(1942)	(1954)	(1934)	(1956)	(2002)	(1967)	(2002)	(2002)	(2002)	(1932)	(1953)	(1954)

02096500 HAW RIVER AT HAW RIVER, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL TOTAL	469,487		189,869			
ANNUAL MEAN	1,286		519		602	
HIGHEST ANNUAL MEAN					1,489	2003
LOWEST ANNUAL MEAN					200	2002
HIGHEST DAILY MEAN	13,800	Mar 21	6,430	Sep 9	42,000	Sep 7, 1996
LOWEST DAILY MEAN	207	Oct 26	102	Jul 17	5.0	Sep 6, 1930
ANNUAL SEVEN-DAY MINIMUM	223	Oct 20	132	Aug 23	16	Oct 7, 1954
MAXIMUM PEAK FLOW			7,760	Sep 28	51400*	Sep 6, 1996
MAXIMUM PEAK STAGE			15.68	Sep 28	32.83*	Sep 6, 1996
INSTANTANEOUS LOW FLOW			97	Jul 17	3.0	Sep 5, 1930
ANNUAL RUNOFF (CFSM)	2.12		0.856		0.994	
ANNUAL RUNOFF (INCHES)	28.82		11.66		13.51	
10 PERCENT EXCEEDS	2,940		982		1,260	
50 PERCENT EXCEEDS	655		316		296	
90 PERCENT EXCEEDS	258		167		101	

* See REMARKS.
e Estimated.



02096500 HAW RIVER AT HAW RIVER, NC—Continued

PRECIPITATION RECORDS

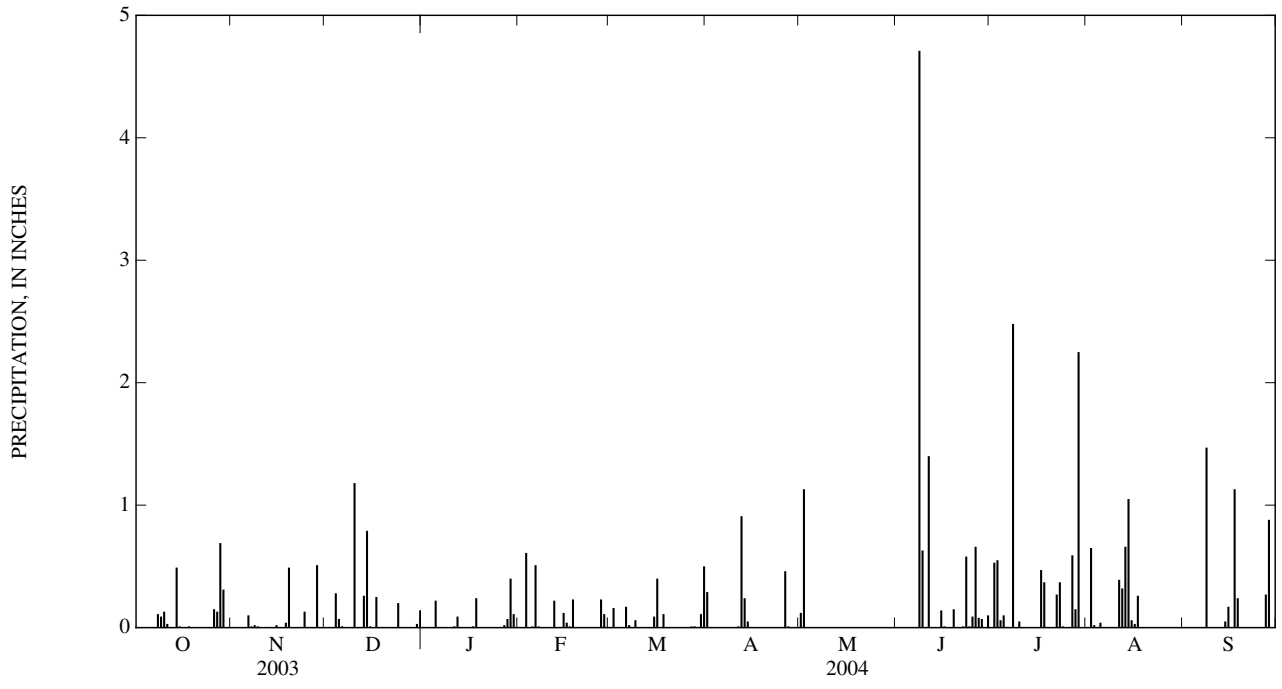
PERIOD OF RECORD.--August 1998 to current year. Records for August 1998 to September 2003 are unpublished and available in the USGS District Office in Raleigh, NC.

GAGE.--Tipping bucket raingage and data collection platform. Satellite telemetry at station.

REMARKS.--Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.12	---	0.00	0.00	---
2	0.00	0.00	0.00	0.00	0.00	0.16	0.00	1.13	---	0.53	0.65	---
3	0.00	0.00	0.00	0.00	0.61	0.00	0.00	---	---	0.55	0.02	---
4	0.00	0.00	0.28	0.00	0.00	0.00	0.00	---	---	0.06	0.00	---
5	0.00	0.00	0.07	0.22	0.01	0.00	0.00	---	---	0.10	0.04	---
6	0.00	0.10	0.01	0.00	0.51	0.17	0.00	---	---	0.00	0.00	---
7	0.00	0.01	0.00	0.00	0.01	0.02	0.00	---	---	0.00	0.00	---
8	0.11	0.02	0.00	0.00	0.00	0.00	0.00	---	4.71	2.48	0.00	1.47
9	0.09	0.01	0.00	0.00	0.00	0.06	0.00	---	0.63	0.00	0.00	0.00
10	0.13	0.00	1.18	0.00	0.00	0.00	0.00	---	0.00	0.05	0.00	0.00
11	0.03	0.00	0.00	0.01	0.00	0.00	0.01	---	1.40	0.00	0.39	0.00
12	0.00	0.00	0.00	0.09	0.22	0.00	0.91	---	0.00	0.00	0.32	0.00
13	0.00	0.00	0.26	0.00	0.00	0.00	0.24	---	0.00	0.00	0.66	0.00
14	0.49	0.00	0.79	0.00	0.00	0.00	0.05	---	0.00	0.00	1.05	0.05
15	0.01	0.02	0.01	0.00	0.12	0.09	0.00	---	0.14	0.00	0.06	0.17
16	0.00	0.00	0.00	0.00	0.04	0.40	0.00	---	0.01	0.00	0.03	0.00
17	0.00	0.00	0.25	0.01	0.01	0.00	0.00	---	0.00	0.47	0.26	1.13
18	0.01	0.04	0.00	0.24	0.23	0.11	0.00	---	0.00	0.37	0.00	0.24
19	0.00	0.49	0.00	0.00	0.00	0.00	0.00	---	0.15	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	---	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.01	0.27	---	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.58	0.37	---	0.00
24	0.00	0.13	0.20	0.00	0.00	0.00	0.00	---	0.01	0.01	---	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.09	0.00	---	0.00
26	0.15	0.00	0.00	0.00	0.00	0.00	0.46	---	0.66	0.00	---	0.00
27	0.13	0.00	0.00	0.02	0.23	0.01	0.01	---	0.08	0.59	---	0.27
28	0.69	0.51	0.00	0.07	0.11	0.01	0.00	---	0.07	0.15	---	0.88
29	0.31	0.00	0.00	0.40	0.00	0.00	0.00	---	0.00	2.25	---	0.00
30	0.00	0.00	0.03	0.11	---	0.11	0.00	---	0.10	0.00	---	0.00
31	0.00	---	0.00	0.00	---	0.50	---	---	---	0.00	---	---
TOTAL	2.15	1.33	3.08	1.17	2.10	1.64	1.97	---	---	8.25	---	---



02096846 CANE CREEK NEAR ORANGE GROVE, NC

LOCATION.--Lat 35°59'14", long 79°12'22", Orange County, Hydrologic Unit 03030002, on right bank at downstream side of bridge on Secondary Road 1114, and 1.0 mi northwest of Orange Grove.

DRAINAGE AREA.--7.54 mi^2

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 510 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Maximum discharge for period of record from rating curve extended above 500 ft^3/s, based on contracted-opening measurement of peak flow; maximum gage-height, 7.90 ft, from flood mark. No flow occurs at times most years. Minimum discharge for current water year also occurred July 16, 17.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.48	0.74	0.30	1.8	3.4	7.7	20	1.3	0.19	0.21	5.7	5.3
2	0.46	0.66	0.23	1.7	2.9	5.9	8.2	2.7	0.15	0.16	5.3	3.1
3	0.42	0.64	0.19	1.7	39	6.2	5.2	5.7	0.12	24	19	2.0
4	0.39	0.64	0.21	1.8	17	5.1	4.2	2.9	0.27	6.6	3.8	1.6
5	0.34	0.65	0.69	1.9	8.4	4.4	3.3	2.0	0.79	0.97	1.5	1.3
6	0.32	0.64	0.71	2.2	12	4.9	3.0	1.6	0.35	0.45	1.1	11
7	0.33	0.69	0.47	1.8	33	5.2	2.9	1.2	0.24	0.24	0.68	26
8	0.34	0.65	0.39	1.6	11	4.0	2.8	1.1	0.19	0.17	0.51	90
9	0.46	0.60	0.31	1.8	7.0	3.4	2.7	0.95	0.15	0.52	0.40	23
10	0.66	0.53	16	1.8	5.7	3.5	2.4	0.91	0.11	0.22	0.34	7.2
11	0.73	0.55	32	1.6	4.9	3.1	2.5	0.81	0.11	0.13	0.27	4.2
12	0.62	0.56	6.8	1.7	6.9	3.0	5.4	0.71	0.23	0.08	0.35	3.0
13	0.58	0.90	3.9	1.8	8.8	2.7	12	0.68	0.31	0.06	0.79	2.4
14	0.59	1.0	36	1.7	6.0	2.5	13	0.65	0.20	0.05	45	2.2
15	1.4	0.93	15	1.7	5.3	5.0	7.1	0.57	0.15	0.04	11	2.7
16	0.76	0.89	7.0	1.5	7.4	9.7	4.8	0.51	0.11	0.03	5.0	2.4
17	0.51	0.82	9.4	1.5	7.4	15	3.8	0.46	0.10	0.03	2.6	12
18	0.45	0.78	8.7	2.2	6.2	9.0	3.3	0.39	0.09	0.07	1.7	29
19	0.41	3.3	5.3	2.5	6.3	8.7	3.0	0.37	0.07	0.05	1.3	10
20	0.39	2.6	3.9	1.9	5.4	5.7	2.6	0.39	0.06	0.75	1.0	4.4
21	0.39	0.73	3.1	1.6	4.7	5.2	2.3	0.39	0.05	0.25	0.85	3.1
22	0.44	0.44	2.8	1.6	3.9	4.0	2.1	0.33	0.06	0.11	1.2	2.5
23	0.51	0.33	2.6	1.6	3.5	3.6	1.9	0.28	1.4	0.09	0.89	2.0
24	0.50	0.28	3.1	1.5	3.4	3.2	1.7	0.24	3.3	0.07	0.72	1.8
25	0.47	0.24	3.2	1.5	3.2	3.0	1.6	0.20	0.49	0.08	0.61	1.6
26	0.53	0.21	2.6	1.8	2.9	2.9	1.5	0.17	0.56	0.08	0.52	1.5
27	0.77	0.20	2.3	1.7	3.9	2.8	1.8	0.14	0.67	2.4	0.49	1.5
28	0.89	0.27	2.2	1.7	5.8	2.7	1.4	0.13	0.32	2.1	0.44	4.6
29	5.1	0.57	2.0	1.8	11	2.5	1.2	0.12	0.46	10	0.42	4.2
30	1.7	0.37	2.1	3.3	---	2.4	1.2	0.13	0.36	6.9	163	2.3
31	0.93	---	1.9	5.4	---	3.0	---	0.19	---	1.6	18	---
TOTAL	22.87	22.41	175.40	59.7	246.3	150.0	128.9	28.22	11.66	58.51	294.48	267.9
MEAN	0.74	0.75	5.66	1.93	8.49	4.84	4.30	0.91	0.39	1.89	9.50	8.93
MAX	5.1	3.3	36	5.4	39	15	20	5.7	3.3	24	163	90
MIN	0.32	0.20	0.19	1.5	2.9	2.4	1.2	0.12	0.05	0.03	0.27	1.3
CFSM	0.10	0.10	0.75	0.26	1.13	0.64	0.57	0.12	0.05	0.25	1.26	1.18
IN.	0.11	0.11	0.87	0.29	1.22	0.74	0.64	0.14	0.06	0.29	1.45	1.32

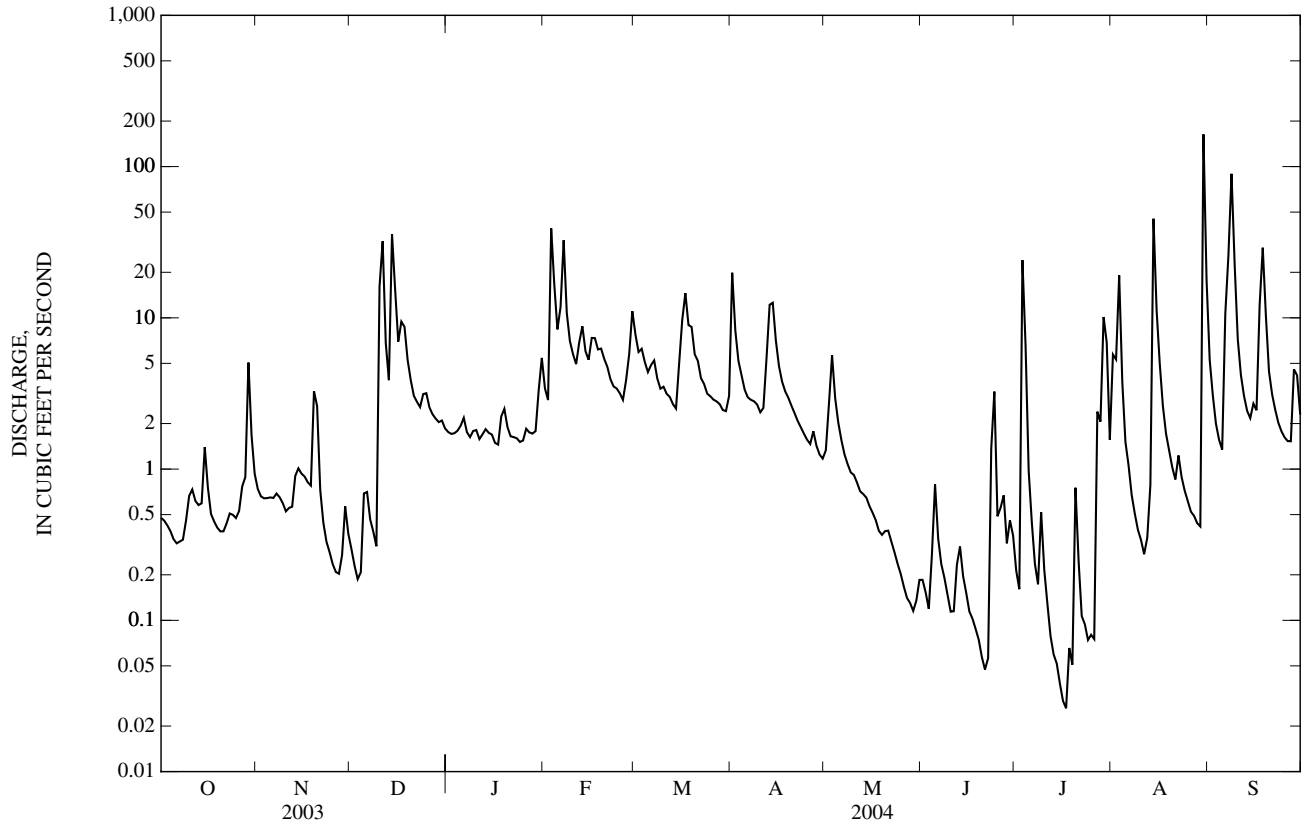
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)

MEAN	2.93	3.45	5.71	11.7	12.7	18.2	10.6	5.46	3.96	2.54	1.65	4.44
MAX	13.0	15.5	19.8	28.3	34.3	46.3	37.2	18.7	16.4	13.5	9.50	25.9
(WY)	(2003)	(1996)	(2003)	(1998)	(1998)	(1998)	(2003)	(1989)	(1995)	(2000)	(2004)	(1996)
MIN	0.01	0.01	0.29	1.93	2.15	2.68	1.06	0.13	0.02	0.04	0.04	0.02
(WY)	(1999)	(1999)	(2002)	(2004)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(1990)

02096846 CANE CREEK NEAR ORANGE GROVE, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1989 - 2004	
ANNUAL TOTAL	4,152.03		1,466.35			
ANNUAL MEAN	11.4		4.01		6.78	
HIGHEST ANNUAL MEAN					14.3	2003
LOWEST ANNUAL MEAN					0.99	2002
HIGHEST DAILY MEAN	406	Apr 10	163	Aug 30	516	Mar 4, 1993
LOWEST DAILY MEAN	0.19	Dec 3	0.03	Jul 16	0.00	Sep 17, 1990
ANNUAL SEVEN-DAY MINIMUM	0.28	Nov 22	0.05	Jul 13	0.00	Sep 17, 1990
MAXIMUM PEAK FLOW			599	Aug 30	2060*	Sep 6, 1996
MAXIMUM PEAK STAGE			4.63	Aug 30	7.90*	Sep 6, 1996
INSTANTANEOUS LOW FLOW			0.02*	Jul 15	0.00*	Sep 17, 1990
ANNUAL RUNOFF (CFSM)	1.51		0.531		0.899	
ANNUAL RUNOFF (INCHES)	20.48		7.23		12.21	
10 PERCENT EXCEEDS	21		7.8		13	
50 PERCENT EXCEEDS	3.0		1.6		1.8	
90 PERCENT EXCEEDS	0.49		0.19		0.08	

* See REMARKS.



02096846 CANE CREEK NEAR ORANGE GROVE, NC—Continued

WATER-QUALITY RECORDS

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

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT													
27...	1200	.78	38	745	7.8	80	7.0	102	15.6	34	8.40	3.26	2.32
DEC													
09...	1015	.30	25	755	14.6	110	7.4	85	3.0	31	7.57	2.96	1.40
FEB													
24...	0915	3.5	35	750	13.4	114	7.5	80	7.3	27	6.68	2.48	.82
APR													
01...	0915	30	125	741	10.8	101	7.2	82	10.9	28	6.90	2.57	1.63
JUN													
22...	1230	.07	50	748	6.8	78	7.3	114	21.3	41	10.7	3.41	1.43
AUG													
17...	1145	2.7	125	754	7.3	82	7.1	80	20.5	26	6.54	2.26	1.60
30...	1245	578	150	745	6.9	81	5.9	42	22.1	14	3.60	1.26	2.71

Date	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Bicarbonate, wat unf incrm. titr., field, mg/L (00450)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)
OCT													
27...	5.71	32	39	6.69	<.2	14.8	2.1	71	.34	<.010	.186	.002	.010
DEC													
09...	5.44	27	33	7.27	<.2	13.0	3.4	65	.19	<.010	.417	.003	<.006
FEB													
24...	5.77	36	49	6.70	<.2	9.34	4.4	58	.22	E.005	.543	.004	E.005
APR													
01...	5.82	26	32	6.18	<.2	10.9	3.6	70	1.1	.074	.372	.008	.013
JUN													
22...	5.80	42	51	5.80	<.2	19.3	1.9	87	.39	.024	.457	.002	.029
AUG													
17...	4.84	20	25	5.45	<.2	12.8	5.2	69	.53	.017	.655	.004	.022
30...	1.97	8	9	2.54	<.2	5.54	3.2	61	1.9	.089	.273	.007	.078

Date	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Aluminum, water, unfltrd recoverable, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Cobalt water, unfltrd recoverable, ug/L (01037)	Copper, water, unfltrd recoverable, ug/L (01042)	Iron, water, unfltrd recoverable, ug/L (01045)	Lead, water, unfltrd recoverable, ug/L (01051)	Manganese, water, unfltrd recoverable, ug/L (01055)	Mercury water, unfltrd recoverable, ug/L (71900)	Molybdenum, water, unfltrd recoverable, ug/L (01062)
OCT													
27...	.052	5.7	80	<2	<.04	<.8	.210	.9	450	.09	78	<.02	<.2
DEC													
09...	.016	2.4	--	--	--	--	--	--	--	--	--	--	--
FEB													
24...	.023	2.9	--	--	--	--	--	--	--	--	--	--	--
APR													
01...	.125	9.3	401	<2	<.04	<.8	.842	1.3	1,610	.64	304	<.02	<.2
JUN													
22...	.088	5.6	--	--	--	--	--	--	--	--	--	--	--
AUG													
17...	.081	11.0	--	--	--	--	--	--	--	--	--	--	--
30...	.46	29.3	3,470	E1	.07	2.1	5.64	7.4	6,330	5.32	738	.03	<.2

02096846 CANE CREEK NEAR ORANGE GROVE, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Nickel, water, unfltrd recover -able, ug/L (01067)	Selen- ium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover -able, ug/L (01077)	Zinc, water, unfltrd recover -able, ug/L (01092)	Sus- pended sedi- ment concen- tration mg/L (80154)
OCT					
27...	.36	<.4	<.16	<2	7
DEC					
09...	--	--	--	--	8
FEB					
24...	--	--	--	--	5
APR					
01...	.35	<.4	<.16	E1	47
JUN					
22...	--	--	--	--	15
AUG					
17...	--	--	--	--	14
30...	1.72	.5	<.16	22	558

Remark codes used in this table:
< -- Less than
E -- Estimated value

0209684980 CANE CREEK RESERVOIR AT DAM NEAR WHITE CROSS, NC

LOCATION.--Lat 35°57'00", long 79°14'28", Orange County, Hydrologic Unit 03030002, at Orange Water and Sewage Authority intakes, 0.7 mi above State Highway 54, and 3.6 mi northwest of White Cross.

DRAINAGE AREA.--31.4 mi^2.

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

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment. Samples for nutrient and chlorophyll a and b analyses were collected through a sampling zone equal to double the secchi disk depth using the depth-integration sampling technique.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Color, water, fltrd, Pt-Co units (00080)	Sampling depth, meters (00098)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
OCT													
31...	1015	25	1.0	2.20	760	6.9	70	7.0	75	16.5	25	5.98	2.46
31...	1020	--	7.0	--	760	.1	.0	6.8	92	12.9	--	--	--
31...	1025	--	13.6	--	760	.2	2	7.5	208	10.5	--	--	--
APR													
08...	1115	25	1.0	.80	744	6.8	68	7.3	73	14.3	27	6.36	2.63
08...	1120	--	6.0	--	744	6.7	61	6.8	73	10.0	--	--	--
08...	1125	--	13.0	--	744	5.6	48	6.8	72	8.0	--	--	--
JUN													
25...	0945	25	1.0	1.10	751	7.0	90	7.7	86	27.6	27	6.35	2.63
25...	0950	--	6.0	--	751	.1	1	6.6	80	11.7	--	--	--
25...	0955	--	11.0	--	751	.2	1	6.6	84	8.6	--	--	--
AUG													
19...	1145	15	1.0	1.50	754	5.5	67	7.6	84	25.4	27	6.85	2.49
19...	1150	--	6.0	--	754	.2	2	6.5	90	14.4	--	--	--
19...	1155	--	12.0	--	754	.4	3	6.8	113	9.6	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Bicarbonate, wat unf incrm. titr., field, mg/L (00450)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
OCT													
31...	2.26	3.74	26	32	4.74	<.2	8.04	2.4	55	.46	.025	.026	E.001
31...	--	--	--	--	--	--	--	--	--	.54	.075	.071	.003
31...	--	--	--	--	--	--	--	--	--	2.3	1.48	<.016	.009
APR													
08...	2.12	4.64	20	25	5.58	<.2	7.17	4.4	56	.39	E.008	.352	.003
08...	--	--	--	--	--	--	--	--	--	.39	.032	.431	.002
08...	--	--	--	--	--	--	--	--	--	.89	.067	.431	E.001
JUN													
25...	1.95	4.89	27	33	6.28	<.2	6.74	3.9	69	.42	<.010	<.016	<.002
25...	--	--	--	--	--	--	--	--	--	.38	.046	.167	.004
25...	--	--	--	--	--	--	--	--	--	.80	.431	.070	.004
AUG													
19...	1.90	4.14	27	33	5.73	<.2	6.52	3.5	49	.56	E.005	<.016	<.002
19...	--	--	--	--	--	--	--	--	--	.39	.058	<.016	<.002
19...	--	--	--	--	--	--	--	--	--	1.1	.641	<.016	.002

0209684980 CANE CREEK RESERVOIR AT DAM NEAR WHITE CROSS, NC—Continued

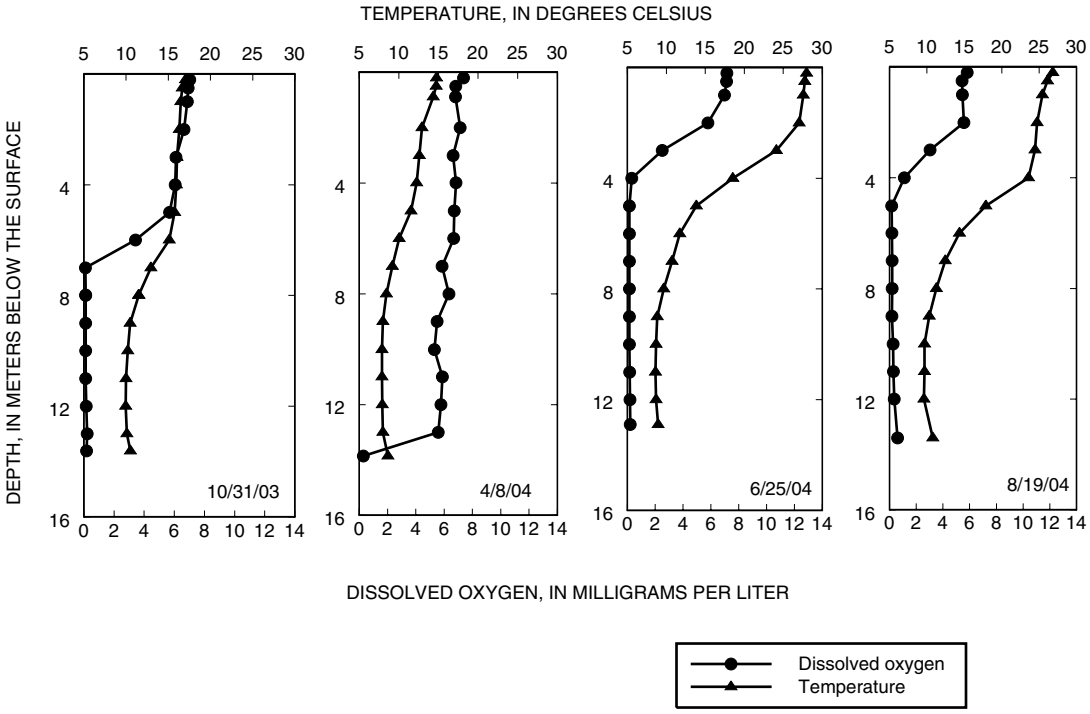
WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Chloro-phyll b phyto-plank-ton, fluoro, ug/L (70954)	Alum-inum, water, unfltrd recover-able, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Cobalt water, unfltrd recover-able, ug/L (01037)	Copper, water, unfltrd recover-able, ug/L (01042)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, unfltrd recover-able, ug/L (01051)
OCT													
31...	<.006	.018	6.7	E1.5	<.1	60	<2	<.04	<.8	.649	.8	670	.18
31...	<.006	.024	--	--	--	--	--	--	--	--	--	2,380	--
31...	.197	.25	--	--	--	--	--	--	--	--	--	12,200	--
APR													
08...	<.006	.015	5.5	E1.0	<.1	27	<2	<.04	<.8	.138	.9	390	.08
08...	<.006	.019	--	--	--	--	--	--	--	--	--	690	--
08...	<.006	.021	--	--	--	--	--	--	--	--	--	810	--
JUN													
25...	<.006	.014	7.0	4.0	<.1	--	--	--	--	--	--	100	--
25...	<.006	.014	--	--	--	--	--	--	--	--	--	330	--
25...	<.006	.026	--	--	--	--	--	--	--	--	--	3,910	--
AUG													
19...	<.006	.024	6.7	12.1	<.1	--	--	--	--	--	--	90	--
19...	<.006	.019	--	--	--	--	--	--	--	--	--	320	--
19...	E.005	.026	--	--	--	--	--	--	--	--	--	5,890	--

Date	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Mercury water, unfltrd recover-able, ug/L (71900)	Molyb-denum, water, unfltrd recover-able, ug/L (01062)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selen-ium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover-able, ug/L (01077)
OCT						
31...	520	E.02	<.2	.28	<.4	<.16
31...	1,290	--	--	--	--	--
31...	2,640	--	--	--	--	--
APR						
08...	35.8	.04	<.2	.23	<.4	<.16
08...	127	--	--	--	--	--
08...	297	--	--	--	--	--
JUN						
25...	121	--	--	--	--	--
25...	901	--	--	--	--	--
25...	2,420	--	--	--	--	--
AUG						
19...	57.2	--	--	--	--	--
19...	2,520	--	--	--	--	--
19...	2,910	--	--	--	--	--

Remark codes used in this table:
< -- Less than
E -- Estimated value

0209684980 CANE CREEK RESERVOIR AT DAM NEAR WHITE CROSS, NC—Continued



02096960 HAW RIVER NEAR BYNUM, NC

LOCATION.--Lat 35°45'55", long 79°08'09", Chatham County, Hydrologic Unit 03030002, on right bank 500 ft upstream from Pokeberry Creek, 0.9 mi south of Bynum, and 1.1 mi downstream of U.S. Highways 15 and 501.

DRAINAGE AREA.--1,275 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 283.31 ft above NGVD of 1929. U.S. Army Corps of Engineers satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Considerable regulation for short periods at low flow caused by power plant above station. Maximum discharge for period of record, from rating curve extended above 36,000 ft^3/s, on basis of slope-conveyance measurement of peak flow; maximum gage height, 21.76 ft, from floodmarks. Minimum discharge for period of record also occurred Sept. 27, 1983. Minimum discharge for each year affected by regulation.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	668	720	695	693	931	1,480	994	478	331	395	603	1,260
2	616	616	625	664	769	1,440	1,540	723	275	598	306	645
3	566	556	574	645	1,740	1,460	1,010	2,150	237	380	971	476
4	535	541	535	626	3,800	1,310	805	1,750	221	468	697	342
5	481	513	580	643	2,210	1,070	711	1,150	1,430	504	445	299
6	478	515	736	719	1,540	969	643	855	998	479	341	269
7	492	563	731	774	4,670	1,030	592	682	371	426	240	1,690
8	494	699	683	681	3,630	1,030	570	573	398	262	218	8,120
9	519	614	636	622	2,310	850	570	477	748	674	188	10,700
10	614	544	770	650	1,790	791	539	414	679	355	205	4,600
11	911	492	4,380	665	1,500	757	516	427	450	259	184	2,430
12	764	486	3,170	630	1,360	707	582	413	490	324	195	1,620
13	763	494	2,080	622	1,690	676	2,240	344	502	333	334	1,060
14	658	476	3,540	636	1,270	638	3,540	335	236	271	1,400	722
15	683	455	5,510	618	1,070	660	2,630	321	251	201	2,490	660
16	702	405	3,310	591	1,150	831	1,770	312	303	187	1,280	928
17	613	415	2,560	548	1,400	1,460	1,250	273	1,160	174	786	780
18	535	426	2,770	558	1,270	1,360	1,040	413	803	202	952	2,840
19	510	487	2,270	668	1,170	1,330	769	312	515	2,210	912	2,240
20	469	1,090	1,860	708	1,150	1,160	763	402	447	884	480	1,150
21	452	1,100	1,560	650	1,060	961	716	390	783	608	415	841
22	410	781	1,290	597	968	840	644	384	345	476	658	672
23	388	681	1,130	572	879	749	605	364	404	258	435	543
24	354	612	1,010	532	845	688	544	450	539	219	283	418
25	367	588	1,020	523	824	652	499	390	502	373	266	371
26	386	588	940	585	770	633	478	310	445	183	251	340
27	416	561	789	619	782	625	578	280	767	194	235	318
28	604	513	727	645	903	624	735	239	606	479	212	2,960
29	1,110	747	684	637	1,250	625	582	241	468	1,220	208	8,130
30	1,710	870	682	728	---	589	514	246	437	2,320	4,190	3,710
31	989	---	686	914	---	600	---	344	---	1,280	3,710	---
TOTAL	19,257	18,148	48,533	19,963	44,701	28,595	28,969	16,442	16,141	17,196	24,090	61,134
MEAN	621	605	1,566	644	1,541	922	966	530	538	555	777	2,038
MAX	1,710	1,100	5,510	914	4,670	1,480	3,540	2,150	1,430	2,320	4,190	10,700
MIN	354	405	535	523	769	589	478	239	221	174	184	269
CFSM	0.49	0.47	1.23	0.51	1.21	0.72	0.76	0.42	0.42	0.44	0.61	1.60
IN.	0.56	0.53	1.42	0.58	1.30	0.83	0.85	0.48	0.47	0.50	0.70	1.78

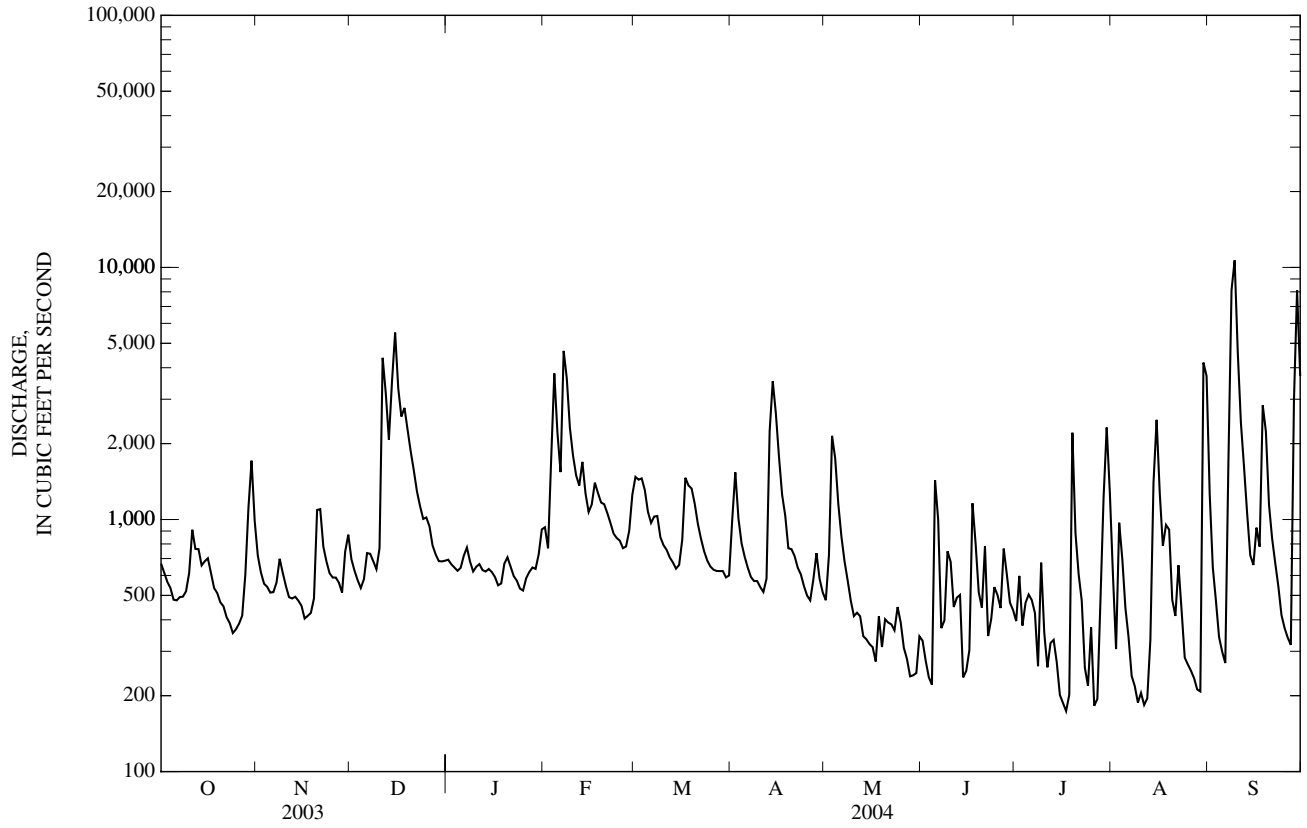
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2004, BY WATER YEAR (WY)

MEAN	690	739	1,145	2,103	2,118	2,529	1,759	1,141	917	798	614	976
MAX	2,906	2,888	2,929	5,895	5,465	6,110	5,363	3,936	4,632	4,477	2,422	4,904
(WY)	(1991)	(1986)	(2003)	(1978)	(1979)	(1975)	(2003)	(1978)	(1982)	(1975)	(2003)	(1996)
MIN	129	109	218	262	537	648	380	171	109	135	113	111
(WY)	(2002)	(2002)	(2002)	(1981)	(2002)	(1988)	(2002)	(2002)	(2002)	(1986)	(2002)	(1983)

02096960 HAW RIVER NEAR BYNUM, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1973 - 2004	
ANNUAL TOTAL	934,786		343,169			
ANNUAL MEAN	2,561		938		1,290	
HIGHEST ANNUAL MEAN					2,948	2003
LOWEST ANNUAL MEAN					370	2002
HIGHEST DAILY MEAN	33,300	Apr 11	10,700	Sep 9	58,000	Sep 6, 1996
LOWEST DAILY MEAN	354	Oct 24	174	Jul 17	0.18	Sep 10, 1983
ANNUAL SEVEN-DAY MINIMUM	396	Oct 21	223	Aug 7	46	Sep 7, 1983
MAXIMUM PEAK FLOW			13,400	Sep 9	76700*	Sep 6, 1996
MAXIMUM PEAK STAGE			10.89	Sep 9	21.76*	Sep 6, 1996
INSTANTANEOUS LOW FLOW			137	Jul 27	0.18*	Sep 10, 1983
ANNUAL RUNOFF (CFSM)	2.01		0.735		1.01	
ANNUAL RUNOFF (INCHES)	27.27		10.01		13.75	
10 PERCENT EXCEEDS	5,580		1,740		2,800	
50 PERCENT EXCEEDS	1,350		636		579	
90 PERCENT EXCEEDS	532		305		161	

* See REMARKS.



02096960 HAW RIVER NEAR BYNUM, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1982-86, 1989-1996, 1998, 2002, to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1981 to September 1984.
WATER TEMPERATURE: October 1981 to September 1984.

INSTRUMENTATION.-- Water-quality monitor from October 1981 to September 1984.

REMARKS.--Station operated in cooperation with the Upper Cape Fear River Basin Association to assess constituent loads.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 514 microsiemens, Sept. 19, 1983; minimum, 46 microsiemens, March 21, 1983.
WATER TEMPERATURE: Maximum, 35.0°C, July 21, 1983; minimum, 0.0°C, on several days during winter months in water years 1982 and 1984.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
OCT													
01...	0915	676	--	--	761	8.9	95	7.6	130	18.3	--	--	--
07...	0900	525	--	--	760	9.5	99	7.8	196	17.4	--	--	--
15...	1030	638	--	--	753	9.3	101	8.0	156	18.8	--	--	--
20...	1030	559	--	--	--	9.5	--	8.3	198	16.6	--	--	--
31...	1245	958	--	--	765	11.3	112	7.7	178	14.8	--	--	--
NOV													
12...	0900	482	--	--	757	11.2	109	8.0	224	13.8	--	--	--
21...	1000	1,110	--	--	759	10.7	102	7.7	240	13.1	--	--	--
28...	1100	503	--	--	750	12.2	115	7.7	193	12.0	--	--	--
DEC													
11...	1330	4,540	--	--	749	13.1	113	7.3	136	7.9	--	--	--
23...	1100	1,140	--	--	760	14.2	110	7.3	126	4.4	--	--	--
JAN													
06...	0900	716	--	--	--	11.7	--	7.8	160	10.3	--	--	--
20...	0930	736	--	--	760	13.6	105	7.9	226	4.3	--	--	--
FEB													
03...	0930	875	--	--	756	13.0	100	7.2	312	3.8	--	--	--
18...	1100	1,280	--	--	761	14.0	107	7.4	190	3.9	--	--	--
MAR													
08...	0915	999	--	--	754	11.8	114	7.4	178	13.3	--	--	--
18...	0900	1,400	--	--	760	11.9	107	7.5	186	10.7	--	--	--
30...	0930	589	--	--	760	10.6	106	8.0	220	15.2	--	--	--
APR													
13...	1000	1,990	--	--	746	10.8	107	7.5	217	13.9	--	--	--
MAY													
12...	1030	421	--	--	763	8.7	104	7.8	190	24.4	--	--	--
27...	0900	281	--	--	752	7.7	99	7.9	276	27.8	--	--	--
JUN													
10...	0915	782	--	--	757	8.6	105	7.5	175	24.6	--	--	--
22...	0915	187	--	--	756	7.4	91	7.6	195	25.4	--	--	--
JUL													
09...	0930	1,460	--	--	759	7.7	99	7.5	186	28.3	--	--	--
15...	0945	204	--	--	751	6.9	89	7.6	189	28.0	--	--	--
20...	0930	916	--	32	753	7.5	92	7.3	160	25.2	23	5.60	2.26
27...	1415	137	--	7.6	756	8.1	107	8.1	188	29.1	33	7.20	3.58
30...	1015	2,520	--	84	760	8.0	98	7.6	259	25.7	37	9.30	3.31
30...	1030	2,500	88	--	760	8.0	98	7.6	295	25.7	37	9.18	3.36
AUG													
03...	0945	1,230	--	52	752	7.5	96	7.5	132	26.9	28	6.77	2.77
06...	1015	353	--	--	754	8.1	103	7.6	143	26.9	--	--	--
15...	0845	2,200	--	89	762	8.0	92	7.6	242	22.1	34	8.54	3.10

02096960 HAW RIVER NEAR BYNUM, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Bicarbonate, wat unf incrm. titr., field, mg/L (00450)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
OCT													
01...	--	--	37	45	--	--	--	--	--	.52	<.015	.55	E.002
07...	--	--	47	57	--	--	--	--	--	.52	<.010	1.20	.003
15...	--	--	38	46	--	--	--	--	--	.42	<.010	.67	.003
20...	--	--	44	54	--	--	--	--	--	.51	<.010	.74	.003
31...	--	--	42	52	--	--	--	--	--	.52	.023	.94	.005
NOV													
12...	--	--	52	63	--	--	--	--	--	.45	<.010	1.12	.004
21...	--	--	56	69	--	--	--	--	--	.54	.023	1.23	.005
28...	--	--	42	51	--	--	--	--	--	.46	E.009	.91	.003
DEC													
11...	--	--	31	38	--	--	--	--	--	1.0	.042	1.18	.007
23...	--	--	27	33	--	--	--	--	--	.48	.044	.69	.005
JAN													
06...	--	--	42	51	--	--	--	--	--	.41	E.005	1.29	.005
20...	--	--	63	77	--	--	--	--	--	.53	<.010	1.28	.006
FEB													
03...	--	--	74	90	--	--	--	--	--	.55	E.007	1.45	.014
18...	--	--	62	76	--	--	--	--	--	.48	.063	.86	.015
MAR													
08...	--	--	35	42	--	--	--	--	--	.64	.013	.76	.013
18...	--	--	47	57	--	--	--	--	--	.64	.038	.84	.008
30...	--	--	44	54	--	--	--	--	--	.56	.023	.84	.006
APR													
13...	--	--	47	57	--	--	--	--	--	.64	.106	.97	.013
MAY													
12...	--	--	40	49	--	--	--	--	--	.65	.035	.72	.008
27...	--	--	49	60	--	--	--	--	--	.57	.048	1.02	.010
JUN													
10...	--	--	34	42	--	--	--	--	--	.50	.030	.83	.007
22...	--	--	35	43	--	--	--	--	--	.56	.041	1.10	.010
JUL													
09...	--	--	42	52	--	--	--	--	--	.54	.094	.56	.006
15...	--	--	39	47	--	--	--	--	--	.50	.029	1.03	.007
20...	--	21.9	30	37	11.6	--	--	19.2	--	.64	.141	1.33	.015
27...	--	21.5	31	38	18.3	--	--	16.7	--	.60	.025	.94	.005
30...	--	40.8	60	73	23.7	--	--	28.5	--	.94	.080	2.77	.017
30...	6.27	41.4	60	73	24.3	.3	11.8	29.1	188	.93	.078	2.73	.017
AUG													
03...	--	12.4	26	32	10.4	--	--	10.0	--	.62	.024	.63	.006
06...	--	--	33	41	--	--	--	--	--	.58	.035	.75	.006
15...	--	31.1	46	56	21.3	--	--	26.2	--	.82	.079	2.01	.013

02096960 HAW RIVER NEAR BYNUM, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Alum-inum, water, fltrd, ug/L (01106)	Alum-inum, water, unfltrd recover-able, ug/L (01105)	Arsenic water, fltrd, ug/L (01000)	Arsenic water unfltrd ug/L (01002)	Cadmium water, fltrd, ug/L (01025)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, fltrd, ug/L (01030)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Cobalt water, unfltrd recover-able, ug/L (01037)	Copper, water, fltrd, ug/L (01040)
OCT													
01...	.062	.12	--	--	--	--	--	--	--	--	--	--	--
07...	.198	.25	--	--	--	--	--	--	--	--	--	--	--
15...	.082	.13	--	--	--	--	--	--	--	--	--	--	--
20...	.069	.10	--	--	--	--	--	--	--	--	--	--	--
31...	.152	.20	--	--	--	--	--	--	--	--	--	--	--
NOV													
12...	.165	.22	--	--	--	--	--	--	--	--	--	--	--
21...	.165	.23	--	--	--	--	--	--	--	--	--	--	--
28...	.087	.13	--	--	--	--	--	--	--	--	--	--	--
DEC													
11...	.075	.28	--	--	--	--	--	--	--	--	--	--	--
23...	.055	.12	--	--	--	--	--	--	--	--	--	--	--
JAN													
06...	.084	.13	--	--	--	--	--	--	--	--	--	--	--
20...	.056	.11	--	--	--	--	--	--	--	--	--	--	--
FEB													
03...	.048	.09	--	--	--	--	--	--	--	--	--	--	--
18...	.059	.12	--	--	--	--	--	--	--	--	--	--	--
MAR													
08...	.063	.14	--	--	--	--	--	--	--	--	--	--	--
18...	.065	.13	--	--	--	--	--	--	--	--	--	--	--
30...	.307	.37	--	--	--	--	--	--	--	--	--	--	--
APR													
13...	.152	.20	--	--	--	--	--	--	--	--	--	--	--
MAY													
12...	.074	.13	--	--	--	--	--	--	--	--	--	--	--
27...	.266	.33	--	--	--	--	--	--	--	--	--	--	--
JUN													
10...	.099	.16	--	--	--	--	--	--	--	--	--	--	--
22...	.103	.17	--	--	--	--	--	--	--	--	--	--	--
JUL													
09...	.060	.11	--	--	--	--	--	--	--	--	--	--	--
15...	.100	.14	--	--	--	--	--	--	--	--	--	--	--
20...	.102	.17	--	12	--	.5	--	.09	--	<.8	--	--	2.3
27...	.095	.14	--	13	--	.5	--	.04	--	<.8	--	--	2.1
30...	.138	.28	--	10	--	.5	--	.24	--	E.5	--	--	3.0
30...	.138	.26	10.0	--	800	--	<2	--	.27	--	2.1	2.15	--
AUG													
03...	.060	.15	--	9	--	.3	--	E.04	--	<.8	--	--	2.4
06...	.066	.14	--	--	--	--	--	--	--	--	--	--	--
15...	.090	.21	--	24	--	.6	--	.34	--	<.8	--	--	3.5

02096960 HAW RIVER NEAR BYNUM, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Copper, water, unfltrd recover -able, ug/L (01042)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recover -able, ug/L (01045)	Lead, water, fltrd, ug/L (01049)	Lead, water, unfltrd recover -able, ug/L (01051)	Mangan- ese, water, fltrd, ug/L (01056)	Mangan- ese, water, unfltrd recover -able, ug/L (01055)	Mercury water, fltrd, ug/L (71890)	Mercury water, unfltrd recover -able, ug/L (71900)	Molyb- denum, water, unfltrd recover -able, ug/L (01062)	Nickel, water, fltrd, ug/L (01065)	Nickel, water, unfltrd recover -able, ug/L (01067)	Selen- ium, water, unfltrd ug/L (01147)
OCT													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	79	--	.18	--	15.2	--	<.02	--	--	2.09	--	--
27...	--	175	--	.15	--	56.5	--	<.02	--	--	1.46	--	--
30...	--	101	--	.20	--	29.4	--	<.02	--	--	2.87	--	--
30...	5.3	--	1,590	--	2.02	--	235	--	<.02	6.1	--	3.63	1.1
AUG													
03...	--	141	--	.12	--	28.7	--	<.02	--	--	1.12	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	181	--	.41	--	25.7	--	<.02	--	--	3.19	--	--

02096960 HAW RIVER NEAR BYNUM, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Silver, water, unfltrd recover -able, ug/L (01077)	Zinc, water, fltrd, ug/L (01090)	Zinc, water, unfltrd recover -able, ug/L (01092)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
OCT					
01...	--	--	--	12	22
07...	--	--	--	6	8.5
15...	--	--	--	11	19
20...	--	--	--	3	4.5
31...	--	--	--	12	31
NOV					
12...	--	--	--	6	7.8
21...	--	--	--	8	24
28...	--	--	--	4	5.4
DEC					
11...	--	--	--	77	944
23...	--	--	--	9	28
JAN					
06...	--	--	--	5	9.7
20...	--	--	--	4	7.9
FEB					
03...	--	--	--	11	26
18...	--	--	--	12	41
MAR					
08...	--	--	--	22	59
18...	--	--	--	15	57
30...	--	--	--	8	13
APR					
13...	--	--	--	17	91
MAY					
12...	--	--	--	35	40
27...	--	--	--	8	6.1
JUN					
10...	--	--	--	20	42
22...	--	--	--	16	8.1
JUL					
09...	--	--	--	12	47
15...	--	--	--	9	5.0
20...	--	8.8	--	28	69
27...	--	3.2	--	8	3.0
30...	--	16.5	--	69	469
30...	<.16	--	25	67	452
AUG					
03...	--	2.9	--	26	86
06...	--	--	--	15	14
15...	--	13.5	--	51	303

Remark codes used in this table:
< -- Less than
E -- Estimated value

0209719700 B. EVERETT JORDAN LAKE, HAW RIVER ARM, ABOVE B. EVERETT JORDAN DAM, NC

LOCATION.--Lat 35°39'40", long 79°04'22", Chatham County, Hydrologic Unit 03030002, 0.5 mi above B. Everett Jordan Dam, and 1.4 mi southwest of Merry Oaks.

PERIOD OF RECORD.--Water years 1989 to current year. Prior to October 1993, published as Haw River at U.S. Highway 64 near Pittsboro (station 0209699980).

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment. Samples for nutrient and chlorophyll a and b analyses were collected through a sampling zone equal to double the secchi disk depth using the depth-integration sampling technique.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Color, water, fltrd, Pt-Co units (00080)	Sampling depth, meters (00098)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
OCT													
30...	1430	50	1.0	.70	763	12.1	129	8.9	159	18.7	33	7.91	3.15
30...	1435	--	3.0	--	763	10.7	105	7.8	230	14.6	--	--	--
30...	1440	--	5.0	--	763	10.6	103	7.7	227	14.1	--	--	--
APR													
22...	1000	50	1.0	1.00	760	7.1	--	7.9	--	21.8	33	7.25	3.58
22...	1005	--	3.0	--	760	6.7	--	7.5	--	19.9	--	--	--
22...	1010	--	5.0	--	760	3.9	--	6.9	--	15.7	--	--	--
JUN													
24...	1130	62	1.0	.60	758	7.6	98	8.4	216	27.9	40	10.7	3.30
24...	1135	--	2.0	--	758	5.9	75	8.0	218	27.5	--	--	--
24...	1140	--	5.0	--	758	2.1	26	7.0	211	25.4	--	--	--
AUG													
24...	1030	38	1.0	.60	760	7.1	91	8.3	147	27.5	32	7.54	3.11
24...	1035	--	2.5	--	760	5.7	73	7.6	150	27.2	--	--	--
24...	1040	--	5.0	--	760	5.5	67	7.0	141	25.7	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Bicarbonate, wat unf incrm. titr., field, mg/L (00450)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
OCT													
30...	3.69	15.5	37	45	12.8	<.2	9.45	10.4	100	.86	E.005	.298	.007
30...	--	--	--	--	--	--	--	--	--	.85	<.010	.800	.008
30...	--	--	--	--	--	--	--	--	--	.61	.019	1.62	.007
APR													
22...	2.99	15.5	36	44	12.7	<.2	9.78	12.2	101	.54	.046	.424	.005
22...	--	--	--	--	--	--	--	--	--	.57	.059	.435	.006
22...	--	--	--	--	--	--	--	--	--	.72	.099	.370	.010
JUN													
24...	4.00	21.9	43	52	20.1	.2	1.91	20.4	134	.86	.036	.556	.014
24...	--	--	--	--	--	--	--	--	--	.74	.086	.645	.027
24...	--	--	--	--	--	--	--	--	--	.65	.091	.950	.008
AUG													
24...	3.40	15.8	32	40	12.2	<.2	8.65	11.7	89	.72	E.006	.210	.006
24...	--	--	--	--	--	--	--	--	--	.78	<.010	.209	.006
24...	--	--	--	--	--	--	--	--	--	.67	.028	.327	.007

0209719700 B. EVERETT JORDAN LAKE, HAW RIVER ARM, ABOVE B. EVERETT JORDAN DAM, NC—Continued

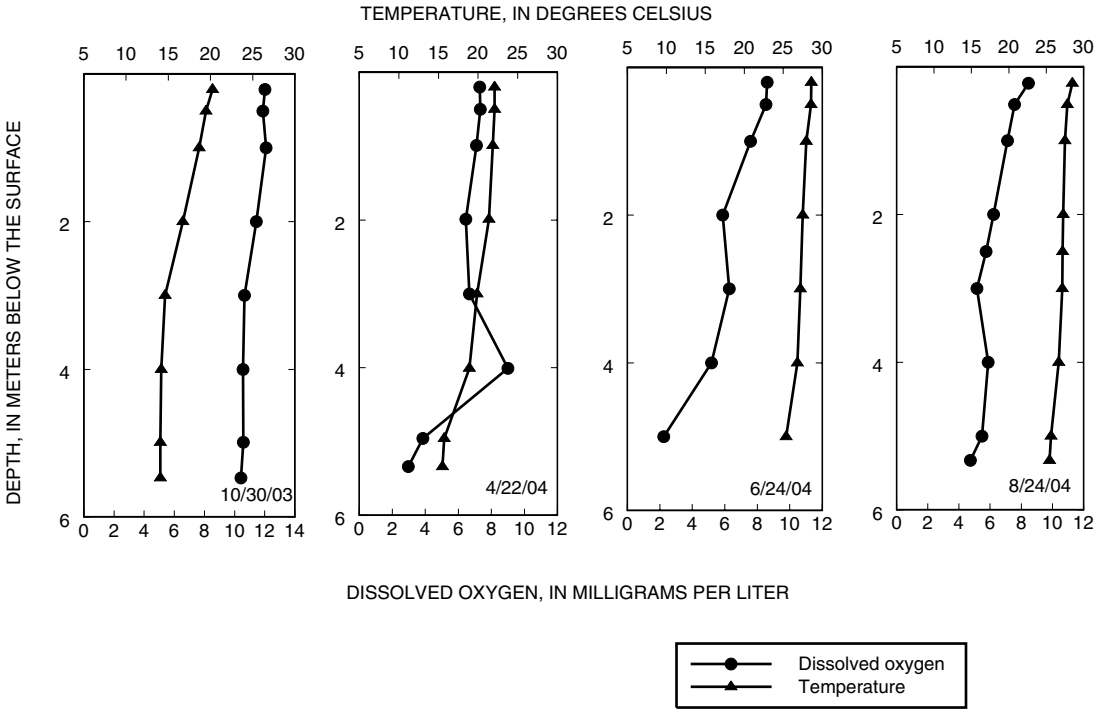
WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Chloro-phyll b phyto-plank-ton, fluoro, ug/L (70954)	Alum-inum, water, unfltrd recover-able, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Cobalt water, unfltrd recover-able, ug/L (01037)	Copper, water, unfltrd recover-able, ug/L (01042)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, unfltrd recover-able, ug/L (01051)
OCT													
30...	<.006	.094	9.8	34.1	1.4	118	<2	E.03	E.5	.424	1.8	300	.37
30...	.054	.144	--	--	--	--	--	--	--	--	--	370	--
30...	.179	.23	--	--	--	--	--	--	--	--	--	720	--
APR													
22...	.082	.144	6.1	1.8	<.1	133	<2	E.04	E.4	.742	2.2	600	.36
22...	.075	.146	--	--	--	--	--	--	--	--	--	740	--
22...	.035	.116	--	--	--	--	--	--	--	--	--	620	--
JUN													
24...	.040	.156	8.7	20.3	E.7	--	--	--	--	--	--	570	--
24...	.042	.132	--	--	--	--	--	--	--	--	--	580	--
24...	.082	.168	--	--	--	--	--	--	--	--	--	970	--
AUG													
24...	E.004	.110	8.8	16.7	E1.1	--	--	--	--	--	--	430	--
24...	E.005	.083	--	--	--	--	--	--	--	--	--	410	--
24...	.017	.089	--	--	--	--	--	--	--	--	--	560	--

Date	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Mercury water, unfltrd recover-able, ug/L (71900)	Molyb-denum, water, unfltrd recover-able, ug/L (01062)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selen-ium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover-able, ug/L (01077)
OCT						
30...	78	<.02	2.5	E1.10	.5	<.16
30...	66	--	--	--	--	--
30...	49	--	--	--	--	--
APR						
22...	129	.07	1.3	1.05	E.2	<.16
22...	163	--	--	--	--	--
22...	148	--	--	--	--	--
JUN						
24...	70.1	--	--	--	--	--
24...	86.6	--	--	--	--	--
24...	184	--	--	--	--	--
AUG						
24...	59.0	--	--	--	--	--
24...	56.4	--	--	--	--	--
24...	92.8	--	--	--	--	--

Remark codes used in this table:
< -- Less than
E -- Estimated value

0209719700 B. EVERETT JORDAN LAKE, HAW RIVER ARM, ABOVE B. EVERETT JORDAN DAM, NC—Continued



02097314 NEW HOPE CREEK NEAR BLANDS, NC

LOCATION.--Lat 35°53'06", long 78°57'55", Durham County, Hydrologic Unit 03030002, on right bank 15 ft downstream of bridge on Secondary Road 1107, 0.5 mi southwest of Blands, and 2 mi downstream of Third Fork Creek.

DRAINAGE AREA.--75.9 mi^2.

PERIOD OF RECORD.--October 1982 to current year.

GAGE.--Water-stage recorder. Datum of gage is 215.19 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records poor. Considerable diurnal fluctuation at low flow. An average of 41.4 ft^3/s was diverted from the Neuse River Basin for Durham municipal water suppply; 16.1 ft^3/s was returned to the Cape Fear River Basin, and about 13.2 ft^3/s was returned to the Neuse River Basin. Maximum gage height for period of record occurred as a result of backwater from B. Everett Jordan Lake; maximum gage height unaffected by backwater, 14.05 ft, Sept. 6, 1996. Minimum discharge for period of record not determined due to regulation. Minimum discharge unregulated, 4.2 ft^3/s, Apr. 28, 29, May 1, 2, and July 10, 1985. Minimum discharge for current water year due to regulation. Minimum discharge for current water year occurred on several days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	e40	e32	e30	63	74	148	e38	21	26	116	460
2	17	29	28	29	58	80	161	132	18	20	127	113
3	16	25	26	28	89	140	77	492	16	86	132	53
4	16	23	26	28	185	165	e52	551	19	72	115	39
5	15	22	73	30	196	156	e44	185	46	32	51	31
6	15	22	63	40	e150	58	37	65	21	22	221	32
7	15	22	40	45	178	58	33	43	18	19	77	114
8	15	16	35	41	240	50	32	34	18	18	32	273
9	20	16	31	e40	e190	43	31	28	26	17	25	328
10	22	19	31	e40	e140	69	28	26	18	15	22	201
11	21	21	130	35	107	39	26	24	16	89	22	89
12	25	21	266	34	98	35	35	22	33	47	21	51
13	19	21	203	33	138	32	133	21	22	85	128	38
14	e18	20	209	32	132	29	118	20	18	31	342	33
15	60	20	e330	31	116	77	94	18	17	20	510	37
16	47	19	283	30	115	184	56	17	16	17	398	39
17	29	20	182	29	128	232	41	18	45	16	123	83
18	22	20	155	33	121	154	35	17	23	173	60	430
19	19	e30	123	44	113	175	32	17	20	76	42	296
20	18	107	95	44	105	101	29	16	17	27	33	81
21	18	91	71	40	92	69	28	16	16	20	28	47
22	e18	58	59	37	78	e56	26	15	15	20	121	37
23	e16	41	50	36	68	45	24	102	16	197	50	31
24	e16	34	48	33	e60	40	22	48	118	82	31	27
25	15	30	50	32	53	38	21	27	39	29	26	25
26	15	e28	45	32	47	35	22	21	49	24	24	23
27	16	e25	40	32	51	33	40	19	65	25	24	25
28	e20	23	36	34	78	32	29	19	25	147	22	72
29	e100	e29	35	42	79	31	22	17	115	100	20	99
30	e96	35	34	52	---	29	20	18	65	321	162	49
31	e66	---	32	63	---	32	---	30	---	146	652	---
TOTAL	843	927	2,861	1,129	3,268	2,391	1,496	2,116	971	2,019	3,757	3,256
MEAN	27.2	30.9	92.3	36.4	113	77.1	49.9	68.3	32.4	65.1	121	109
MAX	100	107	330	63	240	232	161	551	118	321	652	460
MIN	15	16	26	28	47	29	20	15	15	15	20	23
CFSM	0.36	0.41	1.22	0.48	1.48	1.02	0.66	0.90	0.43	0.86	1.60	1.43
IN.	0.41	0.45	1.40	0.55	1.60	1.17	0.73	1.04	0.48	0.99	1.84	1.60

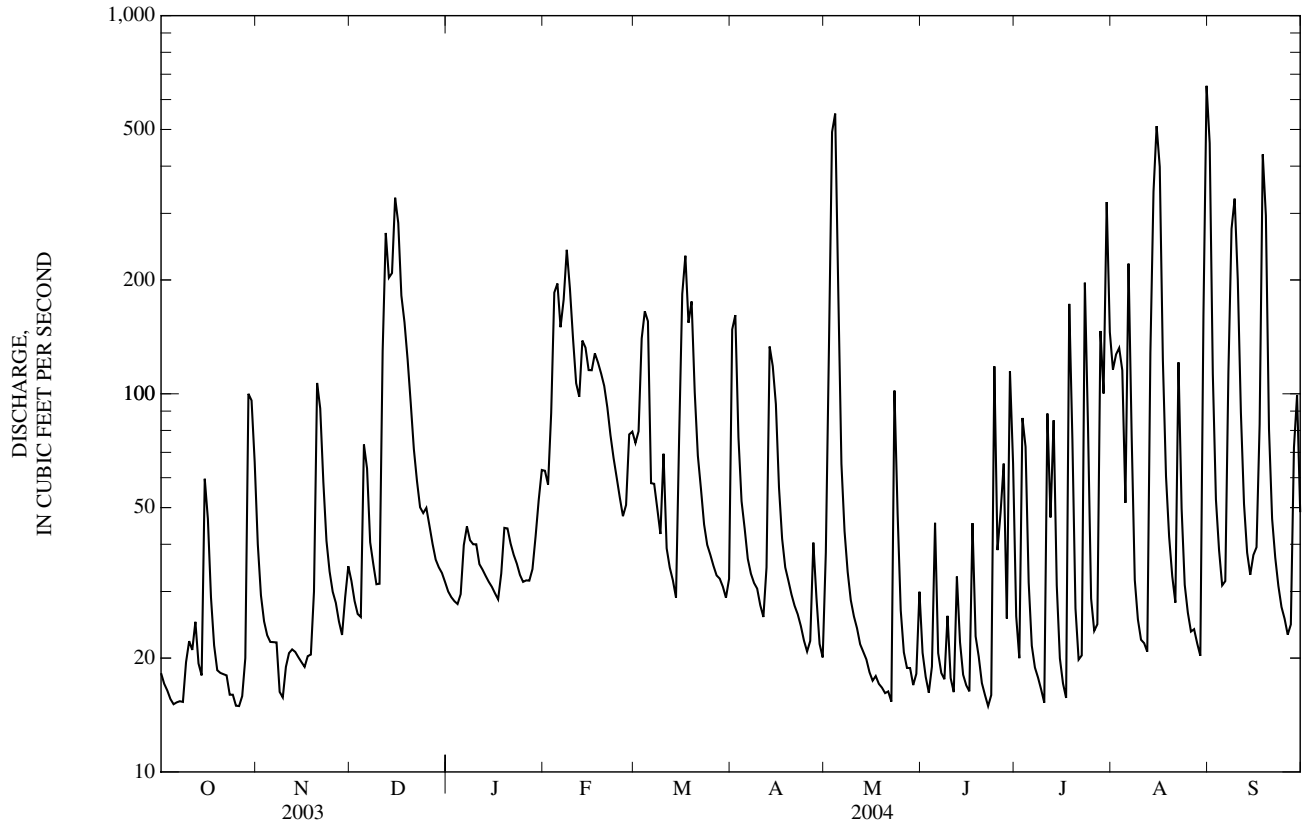
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2004, BY WATER YEAR (WY)

MEAN	52.7	72.0	83.0	150	195	202	154	88.6	45.5	47.3	46.6	68.0
MAX	231	371	264	509	463	493	618	411	154	156	121	507
(WY)	(2003)	(1986)	(1984)	(1991)	(1998)	(1998)	(1987)	(1997)	(1995)	(1995)	(2004)	(1999)
MIN	12.8	16.1	17.0	31.6	58.2	42.0	13.5	18.1	13.1	12.9	14.5	10.8
(WY)	(1987)	(1985)	(1989)	(2001)	(2002)	(1985)	(1985)	(2002)	(2002)	(1993)	(1997)	(1984)

02097314 NEW HOPE CREEK NEAR BLANDS, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1983 - 2004	
ANNUAL TOTAL	52,882		25,034			
ANNUAL MEAN	145		68.4		99.9	
HIGHEST ANNUAL MEAN					180	2003
LOWEST ANNUAL MEAN					38.3	2002
HIGHEST DAILY MEAN	6,000	Apr 11	652	Aug 31	6,300	Sep 6, 1996
LOWEST DAILY MEAN	14	Sep 13	15	Oct 5	0.39	Dec 30, 1988
ANNUAL SEVEN-DAY MINIMUM	15	Sep 11	16	Oct 2	4.1	Dec 20, 2001
MAXIMUM PEAK FLOW			757	Aug 31	12,700	Sep 6, 1996
MAXIMUM PEAK STAGE			9.29	Aug 31	18.96*	Apr 15, 2003
INSTANTANEOUS LOW FLOW			11*	Oct 8	NOT DETERMINED	
ANNUAL RUNOFF (CFSM)	1.91		0.901		1.32	
ANNUAL RUNOFF (INCHES)	25.92		12.27		17.88	
10 PERCENT EXCEEDS	292		154		220	
50 PERCENT EXCEEDS	50		35		34	
90 PERCENT EXCEEDS	19		18		13	

* See REMARKS.
e Estimated.



02097314 NEW HOPE CREEK NEAR BLANDS, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1983-86, 1989-1995, 1997-1999, 2001, 2004.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: December 1982 to September 1985.
WATER TEMPERATURE: December 1982 to September 1985.

INSTRUMENTATION.--Water-quality monitor from October 1982 to September 1985.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 535 microsiemens, Sept. 30, 1984; minimum, 38 microsiemens. Mar. 6, 7, 1984.
WATER TEMPERATURE: Maximum, 27.5°C, Aug. 23, 1983; minimum, 0.0°C, Jan. 21, 22, 1985.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
AUG 13...	1000	159	125	757	5.5	64	6.8	152	22.6	39	11.2	2.61	3.63

Date	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Bicarbonate, wat unf incrm. titr., field, mg/L (00450)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)
AUG 13...	12.7	33	40	12.6	.2	7.19	11.8	100	.91	.052	.972	.017	.040

Date	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Aluminum, water, unfltrd recoverable, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Cobalt water, unfltrd recoverable, ug/L (01037)	Copper, water, unfltrd recoverable, ug/L (01042)	Iron, water, unfltrd recoverable, ug/L (01045)	Lead, water, unfltrd recoverable, ug/L (01051)	Manganese, water, unfltrd recoverable, ug/L (01055)	Mercury water, unfltrd recoverable, ug/L (71900)	Molybdenum, water, unfltrd recoverable, ug/L (01062)
AUG 13...	.21	10.6	4,460	E1	.05	4.8	2.65	9.5	3,780	10.6	194	.03	3.4

Date	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recoverable, ug/L (01077)	Zinc, water, unfltrd recoverable, ug/L (01092)	Suspended sediment concentration mg/L (80154)
AUG 13...	5.41	E.3	E.09	28	182

Remark codes used in this table:
E -- Estimated value

0209741955 NORTHEAST CREEK AT SECONDARY ROAD 1100 NEAR GENLEE, NC

LOCATION.--Lat 35°52'20", long 78°54'47", Durham County, Hydrologic Unit 03030002, on left bank at downstream side of bridge on Secondary Road 1100, 1.3 mi west of Genlee, and 1.6 mi downstream of Burdens Creek.

DRAINAGE AREA.--21.1 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1982 to January 1994, August 1995 to current year.

GAGE.--Water-stage recorder. Datum of gage is 229.01 ft above NGVD of 1929, by levels. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. An average of 41.3 ft^3/s was diverted from the Neuse River basin for municipal water supply; 16.0 ft^3/s was returned to the Cape Fear River basin, of which 0.19 ft^3/s entered upstream from station as treated effluent. About 13.2 ft^3/s was returned to the Neuse River basin as treated effluent. Maximum discharge for period of record from rating curve extended above 2,000 ft^3/s, by logarithmic plotting.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	5.3	e9.4	10	16	16	92	17	7.8	8.8	e25	e55
2	6.5	4.3	e8.7	9.9	14	14	40	e70	7.5	8.3	e26	e13
3	6.5	4.6	e8.8	9.6	80	14	19	e152	7.3	14	e27	e9.4
4	5.9	4.7	e10	9.6	84	13	15	e78	24	21	e17	e8.2
5	6.2	4.8	66	11	24	12	14	e23	16	9.7	e17	e8.6
6	6.3	5.1	14	21	21	12	14	15	8.7	8.1	e51	e14
7	6.3	6.1	8.8	14	121	14	13	12	8.2	7.8	e10	e51
8	6.8	5.3	10	11	33	13	13	11	9.8	7.3	e7.2	e74
9	9.0	5.2	12	12	20	12	14	10	13	7.1	e6.3	e59
10	9.1	4.7	32	14	17	12	11	9.9	9.3	6.7	e6.5	e30
11	7.7	4.6	266	11	15	11	11	9.1	8.5	30	e7.0	e13
12	6.7	5.1	69	11	47	11	24	9.2	15	36	e13	e9.6
13	6.3	5.5	20	12	66	10	47	8.8	9.0	e33	e80	e8.8
14	6.6	5.9	194	11	25	9.7	33	8.4	8.6	e7.8	e113	e9.2
15	24	5.3	190	11	21	59	22	8.0	8.3	e7.3	e104	e11
16	9.6	5.2	30	11	48	167	16	7.7	8.5	e6.7	e43	e14
17	6.5	5.4	73	10	38	155	14	7.7	8.5	e15	e13	e49
18	6.3	5.3	64	23	27	53	13	8.0	8.6	e65	e9.5	e114
19	e5.0	24	24	20	27	71	13	8.1	7.5	e12	e8.4	e33
20	4.7	35	18	13	21	28	13	7.7	6.7	e6.4	e8.2	e11
21	4.8	e21	14	11	16	21	13	8.0	6.6	e5.8	e12	e9.0
22	4.9	e10	14	11	14	17	12	7.8	7.5	e16	e32	e8.3
23	5.0	e9.5	13	11	13	15	12	59	9.7	e77	e9.6	e8.3
24	4.6	e8.9	17	9.5	12	14	11	19	21	e13	e8.6	e8.4
25	3.8	e8.6	18	9.3	12	13	9.6	11	11	e6.4	e7.2	e7.4
26	4.3	e8.3	13	9.8	11	13	11	9.2	19	e6.6	e7.4	e7.4
27	5.9	e7.8	12	10	23	12	24	8.4	16	e15	e8.4	e12
28	7.2	e8.8	11	13	36	12	14	8.0	10	e55	e7.2	e31
29	70	e10	11	19	22	13	11	7.1	15	e38	e14	e22
30	23	e10	11	26	---	13	9.5	10	11	e76	e123	e10
31	7.4	---	11	26	---	15	---	9.1	---	e21	e177	---
TOTAL	293.3	254.3	1,272.7	410.7	924	864.7	578.1	637.2	327.6	647.8	998.5	718.6
MEAN	9.46	8.48	41.1	13.2	31.9	27.9	19.3	20.6	10.9	20.9	32.2	24.0
MAX	70	35	266	26	121	167	92	152	24	77	177	114
MIN	3.8	4.3	8.7	9.3	11	9.7	9.5	7.1	6.6	5.8	6.3	7.4
CFSM	0.45	0.40	1.95	0.63	1.51	1.32	0.91	0.97	0.52	0.99	1.53	1.14
IN.	0.52	0.45	2.24	0.72	1.63	1.52	1.02	1.12	0.58	1.14	1.76	1.27

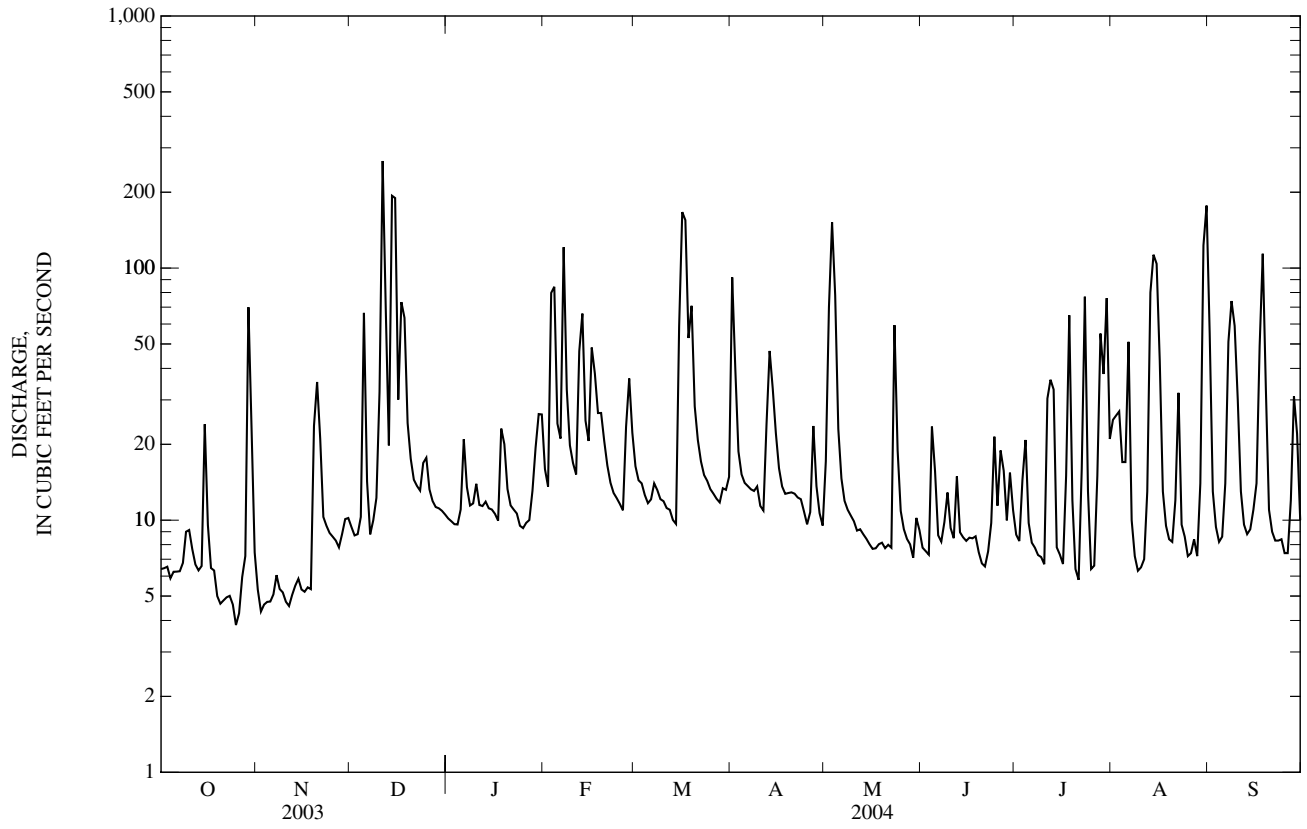
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2004,@ BY WATER YEAR (WY)

MEAN	21.0	24.9	32.7	52.6	56.6	58.6	35.6	19.2	12.7	14.8	17.2	32.7
MAX	83.8	82.7	86.7	134	111	128	84.5	59.1	44.4	48.6	66.7	247
(WY)	(2003)	(1993)	(2003)	(1998)	(1998)	(1998)	(1993)	(1990)	(1992)	(1989)	(1986)	(1999)
MIN	3.27	3.89	4.31	12.6	10.8	8.18	4.00	4.57	4.55	3.33	3.50	2.49
(WY)	(1986)	(1985)	(2002)	(1986)	(1991)	(1985)	(1985)	(2002)	(1987)	(1983)	(1983)	(1983)

0209741955 NORTHEAST CREEK AT SECONDARY ROAD 1100 NEAR GENLEE, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1983 - 2004	
ANNUAL TOTAL	12,854.6		7,927.5			
ANNUAL MEAN	35.2		21.7		31.8	
HIGHEST ANNUAL MEAN					49.1	1996
LOWEST ANNUAL MEAN					12.4	2002
HIGHEST DAILY MEAN	576	Apr 10	266	Dec 11	3,350	Sep 6, 1996
LOWEST DAILY MEAN	3.8	Oct 25	3.8	Oct 25	0.74	Jul 16, 1991
ANNUAL SEVEN-DAY MINIMUM	4.6	Oct 20	4.6	Oct 20	1.5	Oct 7, 1985
MAXIMUM PEAK FLOW			NOT DETERMINED		5,140*	Sep 6, 1996
MAXIMUM PEAK STAGE			NOT DETERMINED		13.92	Sep 6, 1996
INSTANTANEOUS LOW FLOW			NOT DETERMINED		0.76	Oct 7, 1985
ANNUAL RUNOFF (CFSM)	1.67		1.03		1.51	
ANNUAL RUNOFF (INCHES)	22.66		13.98		20.46	
10 PERCENT EXCEEDS	76		51		60	
50 PERCENT EXCEEDS	12		11		9.2	
90 PERCENT EXCEEDS	6.4		6.4		4.0	

@ See PERIOD OF RECORD.
* See REMARKS.
e Estimated.



0209741955 NORTHEAST CREEK AT SECONDARY ROAD 1100 NEAR GENLEE, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1983-86, 1988-1995, 1999, 2001, 2004.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1982 to September 1985.
WATER TEMPERATURE: October 1982 to September 1985.

INSTRUMENTATION.--Water-quality monitor from October 1982 to September 1985.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment.

COOPERATION.--Sample for October 1994 and April 1995 were collected by the North Carolina Department of Environment, Health, and Natural Resources. A GC/FID scan for trace organic compounds was performed on these samples by the U.S. Geological Survey Water Quality Lab. Results may be obtained from the District Office in Raleigh, NC. Instantaneous discharge is not available for April and August 1994.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 872 microsiemens, Oct. 15, 1984; minimum, 29 microsiemens, Jan. 11, Apr. 5, 1984.
WATER TEMPERATURE: Maximum, 29.0°C, Aug. 23, 1983; minimum, 0.0°C, Dec. 28, 1983, Jan. 2, 22, 23, 1984.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Color, water, fltrd, Pt-Co units (00080)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
AUG 15...	1130	125	757	5.8	65	6.8	91	20.7	28	7.56	2.12	2.31	6.51

Date	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Bicarbonate, wat unf incrm. titr., field, mg/L (00450)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)
AUG 15...	25	30	6.47	<.2	7.94	6.5	86	.80	.035	.336	.007	.039	.120

Date	Organic carbon, water, unfltrd mg/L (00680)	Aluminum, water, unfltrd recoverable, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Cobalt water, unfltrd recoverable, ug/L (01037)	Copper, water, unfltrd recoverable, ug/L (01042)	Iron, water, unfltrd recoverable, ug/L (01045)	Lead, water, unfltrd recoverable, ug/L (01051)	Manganese, water, unfltrd recoverable, ug/L (01055)	Mercury water, unfltrd recoverable, ug/L (71900)	Molybdenum, water, unfltrd recoverable, ug/L (01062)	Nickel, water, unfltrd recoverable, ug/L (01067)
AUG 15...	15.2	997	E1	E.02	5.0	.759	14.4	1,250	1.70	50	E.01	1.9	2.55

Date	Selenium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recoverable, ug/L (01077)	Zinc, water, unfltrd recoverable, ug/L (01092)	Suspended sediment concentration mg/L (80154)
AUG 15...	<.4	<.16	9	40

Remark codes used in this table:
< -- Less than
E -- Estimated value

02097464 MORGAN CREEK NEAR WHITE CROSS, NC

LOCATION.--Lat 35°55'25", long 79°06'54", Orange County, Hydrologic Unit 03020002, at downstream side of culvert on State Highway 54, 2 mi upstream from University Lake, and 3.5 mi east of White Cross.

DRAINAGE AREA.--8.35 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 420 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records fair except those above 100 ft^3/s and those for estimated daily discharges, which are poor. Maximum discharge for period of record from rating curve extended above 2,700 ft^3/s, by logarithmic plotting. No flow occurred several days in June to Oct. 2002. Minimum discharge for current water year also occurred July 17, 18.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.83	1.3	2.1	1.5	3.1	5.4	14	2.9	0.55	0.39	0.62	4.9
2	0.86	1.4	2.0	1.6	3.1	5.2	6.9	13	0.43	0.36	0.60	3.0
3	0.86	1.4	2.0	1.6	25	5.0	5.0	28	0.38	0.38	2.3	2.4
4	0.87	1.5	2.3	1.6	13	4.3	4.4	12	0.93	0.50	1.1	2.3
5	0.91	2.2	5.2	1.9	6.0	4.0	3.6	5.5	1.0	0.40	0.51	2.0
6	0.92	3.0	3.9	2.4	16	4.7	3.8	3.7	0.52	0.37	0.45	20
7	0.91	3.4	3.0	1.7	34	4.5	3.6	2.9	0.48	0.31	0.39	19
8	1.0	3.2	2.6	1.5	13	3.9	3.2	2.4	0.44	0.25	0.30	64
9	1.6	2.5	2.4	1.6	8.1	3.5	3.1	2.1	0.41	0.21	0.26	22
10	1.8	1.9	12	1.6	6.6	3.7	2.8	1.8	0.40	0.17	0.23	7.5
11	1.9	1.8	21	1.5	5.8	3.4	3.1	1.6	0.33	0.69	0.21	4.7
12	1.6	1.9	4.8	1.5	9.8	3.3	6.2	1.4	0.39	0.39	0.37	3.8
13	1.4	1.9	2.8	1.6	11	3.0	9.5	1.4	0.41	0.31	2.2	3.2
14	1.6	2.1	24	1.6	7.1	2.8	9.9	1.2	0.41	0.26	35	2.8
15	3.2	2.0	11	1.7	6.3	5.4	6.5	1.2	0.39	0.20	12	3.8
16	1.8	1.9	5.2	1.6	7.7	13	4.5	1.1	0.41	0.16	5.4	2.8
17	1.6	1.8	6.0	1.5	7.3	13	3.9	1.0	0.32	0.15	2.2	2.7
18	1.7	1.7	5.7	2.8	6.5	12	4.5	1.0	0.28	0.45	1.4	5.9
19	1.6	4.2	3.8	2.6	6.6	14	3.0	0.81	0.25	0.30	1.1	3.8
20	1.6	4.5	2.9	e2.4	5.7	7.9	2.5	0.76	0.24	0.23	0.93	2.3
21	1.7	2.5	2.3	e2.2	5.2	6.6	2.6	0.76	0.21	0.19	1.3	1.9
22	1.8	2.0	2.1	e1.9	4.4	5.2	2.5	0.69	0.21	0.21	2.0	1.8
23	1.7	1.7	2.0	e1.9	3.9	4.5	2.4	0.66	0.22	0.48	1.1	1.7
24	1.8	1.7	2.2	e1.8	3.9	3.9	2.2	0.70	0.37	0.45	0.86	1.6
25	2.0	1.7	2.0	e1.9	3.6	3.8	2.1	0.63	0.36	0.32	0.71	1.5
26	2.7	1.6	1.7	e2.3	3.3	3.5	2.1	0.56	0.50	0.33	0.70	1.6
27	4.1	1.6	1.6	e2.1	4.7	3.5	2.4	0.51	0.51	0.77	0.75	1.6
28	4.0	1.9	1.6	e2.0	5.8	3.7	1.9	0.47	0.44	1.1	0.81	3.6
29	7.3	3.3	1.5	e2.3	7.3	3.3	1.7	0.40	0.65	5.5	0.90	3.1
30	2.1	2.6	1.6	3.6	---	3.0	1.6	0.61	0.43	4.0	63	2.1
31	1.4	---	1.5	4.8	---	3.7	---	0.70	---	0.84	15	---
TOTAL	59.16	66.2	144.8	62.6	243.8	166.7	125.5	92.46	12.87	20.67	154.70	203.4
MEAN	1.91	2.21	4.67	2.02	8.41	5.38	4.18	2.98	0.43	0.67	4.99	6.78
MAX	7.3	4.5	24	4.8	34	14	14	28	1.0	5.5	63	64
MIN	0.83	1.3	1.5	1.5	3.1	2.8	1.6	0.40	0.21	0.15	0.21	1.5
CFSM	0.23	0.26	0.56	0.24	1.01	0.64	0.50	0.36	0.05	0.08	0.60	0.81
IN.	0.26	0.29	0.65	0.28	1.09	0.74	0.56	0.41	0.06	0.09	0.69	0.91

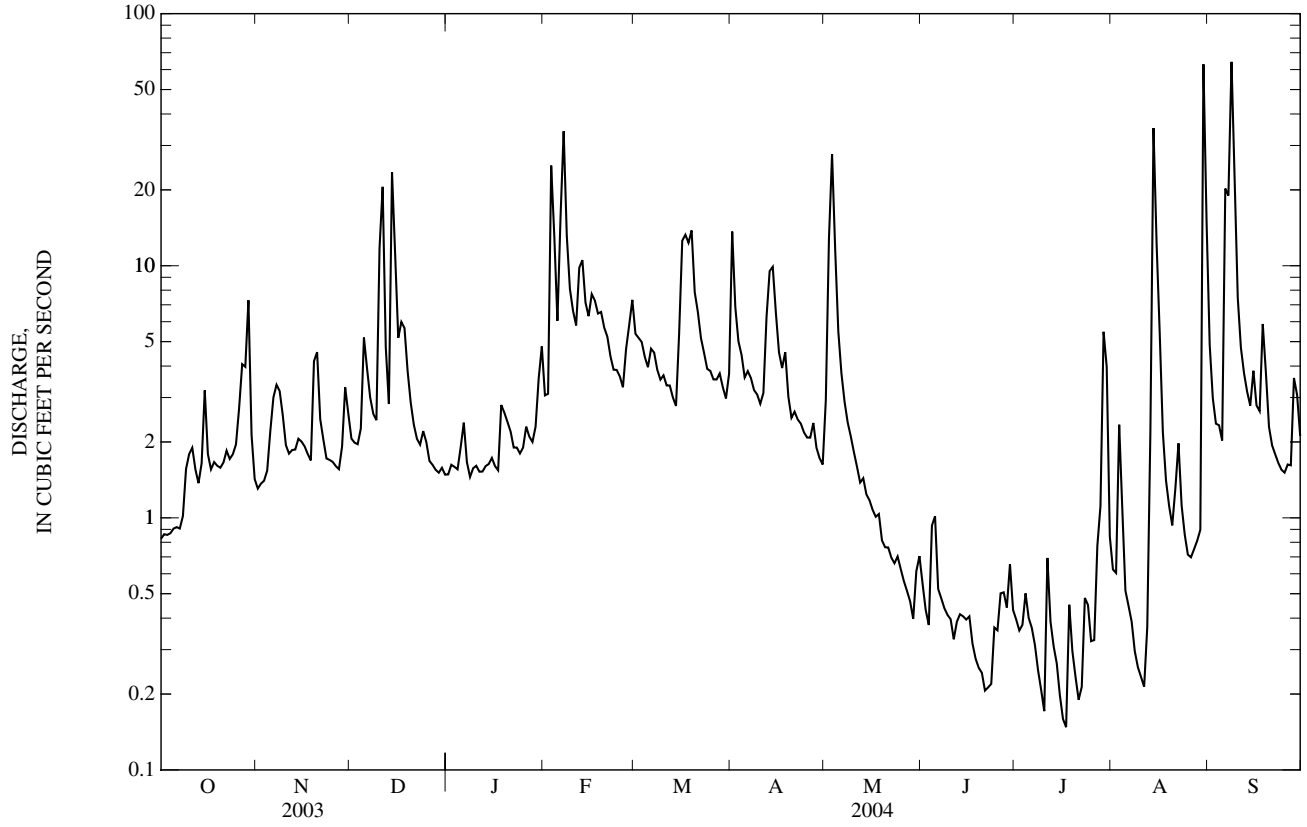
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)

MEAN	3.72	4.23	5.18	11.5	13.8	18.7	11.3	6.58	4.57	2.93	2.84	6.17
MAX	13.1	15.3	15.2	33.4	39.7	53.0	38.6	30.1	19.9	12.3	18.7	40.4
(WY)	(1990)	(1996)	(2003)	(1998)	(1998)	(1998)	(2003)	(1989)	(1995)	(2000)	(1995)	(1999)
MIN	0.13	0.13	0.28	2.02	3.63	4.11	1.95	0.72	0.03	0.04	0.01	0.04
(WY)	(2002)	(1999)	(2002)	(2004)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

02097464 MORGAN CREEK NEAR WHITE CROSS, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1989 - 2004	
ANNUAL TOTAL	4,040.64		1,352.86			
ANNUAL MEAN	11.1		3.70		7.42	
HIGHEST ANNUAL MEAN					12.5	1998
LOWEST ANNUAL MEAN					1.46	2002
HIGHEST DAILY MEAN	462	Apr 10	64	Sep 8	737	Sep 6, 1996
LOWEST DAILY MEAN	0.64	Sep 12	0.15	Jul 17	0.00	Jun 16, 2002
ANNUAL SEVEN-DAY MINIMUM	0.69	Sep 11	0.24	Jul 15	0.00	Aug 8, 2002
MAXIMUM PEAK FLOW			176	Aug 30	3100*	Aug 27, 1995
MAXIMUM PEAK STAGE			5.12	Aug 30	11.20	Aug 27, 1995
INSTANTANEOUS LOW FLOW			0.15*	Jul 16	0.00*	Jun 16, 2002
ANNUAL RUNOFF (CFSM)	1.33		0.443		0.889	
ANNUAL RUNOFF (INCHES)	18.00		6.03		12.07	
10 PERCENT EXCEEDS	21		7.2		14	
50 PERCENT EXCEEDS	4.5		2.0		2.7	
90 PERCENT EXCEEDS	1.1		0.39		0.24	

* See REMARKS.
e Estimated.



02097464 MORGAN CREEK NEAR WHITE CROSS, NC—Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: August 2002 to November 2003.

INSTRUMENTATION.--Logging pressure transducer with water temperature probe.

REMARKS.--Station operated as part of a six county regional surface-water quality assessment and the NAWQA Urban Land Use Gradient study.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum recorded, 27.6°C, Aug. 30, 2003; minimum recorded, 0.0°C, Jan. 19, 23-26, 28, 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT													
27...	1300	4.1	38	746	8.3	85	7.2	117	15.7	42	10.3	3.97	3.27
DEC													
09...	1130	2.5	25	756	13.3	99	7.3	106	3.0	42	10.5	3.80	1.70
FEB													
24...	1115	19	35	751	12.4	106	7.4	98	7.8	34	8.61	3.04	1.59
APR													
01...	1030	18	125	742	11.4	108	7.4	92	11.8	32	8.09	2.88	1.56
JUN													
25...	1115	.36	50	753	4.2	50	7.0	142	22.4	51	13.7	4.14	3.33
AUG													
23...	1130	1.2	62	756	7.0	78	6.9	121	20.6	42	11.1	3.42	4.23
30...	1400	175	75	745	7.6	90	6.3	65	22.3	21	5.36	1.76	3.69

Date	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Bicarbonate, wat unf incrm. titr., field, mg/L (00450)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)
OCT													
27...	5.93	40	49	6.84	<.2	14.5	3.0	78	.23	<.010	.152	.002	.012
DEC													
09...	5.92	36	44	7.57	<.2	12.9	4.4	71	.17	<.010	.414	.003	E.004
FEB													
24...	6.40	52	63	7.82	<.2	10.2	5.1	71	.27	E.005	.488	.006	.010
APR													
01...	5.69	30	36	6.66	<.2	9.06	3.9	66	.81	.020	.294	.007	.008
JUN													
25...	6.64	52	63	7.23	<.2	19.2	2.7	107	.40	.085	.500	.004	.032
AUG													
23...	5.77	39	48	7.48	<.2	15.3	5.9	93	.49	.023	.894	.009	.036
30...	3.19	15	18	4.14	<.2	7.23	4.5	61	2.0	.066	.459	.011	.075

02097464 MORGAN CREEK NEAR WHITE CROSS, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Alum-inum, water, unfltrd recover-able, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Cobalt water, unfltrd recover-able, ug/L (01037)	Copper, water, unfltrd recover-able, ug/L (01042)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, unfltrd recover-able, ug/L (01051)	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Mercury water, unfltrd recover-able, ug/L (71900)	Molyb-denum, water, unfltrd recover-able, ug/L (01062)
OCT													
27...	.057	4.2	58	<2	<.04	<.8	.225	E.6	410	.11	56	<.02	E.1
DEC													
09...	.030	2.2	--	--	--	--	--	--	--	--	--	--	--
FEB													
24...	.039	3.1	--	--	--	--	--	--	--	--	--	--	--
APR													
01...	.107	8.7	311	<2	<.04	E.4	.765	1.4	1,600	.66	190	<.02	E.1
JUN													
25...	.115	5.0	--	--	--	--	--	--	--	--	--	--	--
AUG													
23...	.136	7.9	--	--	--	--	--	--	--	--	--	--	--
30...	.48	25.5	2,130	E1	.05	2.8	4.12	6.2	4,910	3.86	718	.02	<.2

Date	Nickel, water, unfltrd recover-able, ug/L (01067)	Selen-ium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover-able, ug/L (01077)	Zinc, water, unfltrd recover-able, ug/L (01092)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT					
27...	.45	<.4	<.16	2	4
DEC					
09...	--	--	--	--	8
FEB					
24...	--	--	--	--	5
APR					
01...	.57	<.4	<.16	E2	37
JUN					
25...	--	--	--	--	7
AUG					
23...	--	--	--	--	7
30...	2.39	E.4	<.16	16	287

Remark codes used in this table:
< -- Less than
E -- Estimated value

0209749990 UNIVERSITY LAKE AT INTAKES NEAR CHAPEL HILL, NC

LOCATION.--Lat 35°53'49", long 79°05'32", Orange County, Hydrologic Unit 03030002, at Orange Water and Sewage Authority intakes, and 1.8 mi southwest of Chapel Hill.

DRAINAGE AREA.--30 mi^2.

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

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment. Samples for nutrient and chlorophyll a and b analyses were collected through a sampling zone equal to double the secchi disk depth using the depth-integration sampling technique.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Color, water, fltrd, Pt-Co units (00080)	Sampling depth, meters (00098)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
OCT													
27...	1015	50	1.0	.60	750	6.6	69	7.1	103	17.2	35	8.97	3.04
27...	1020	--	4.0	--	750	.2	2	6.9	111	16.3	--	--	--
27...	1025	--	8.5	--	750	.1	1	7.5	434	13.1	--	--	--
APR													
05...	0945	62	1.0	.70	753	9.6	92	7.3	99	12.9	33	8.39	3.02
05...	0950	--	4.0	--	753	9.4	90	7.2	99	12.8	--	--	--
05...	0955	--	8.3	--	753	.5	4	7.1	146	9.9	--	--	--
JUN													
25...	1200	30	1.0	.60	758	9.7	125	9.0	112	28.3	34	8.60	3.11
25...	1205	--	4.0	--	758	.1	2	7.1	151	17.1	--	--	--
25...	1210	--	7.0	--	758	.2	2	7.3	224	12.0	--	--	--
AUG													
23...	0945	25	1.0	.80	756	6.5	82	7.5	103	26.6	30	7.92	2.59
23...	0950	--	4.0	--	756	.2	2	6.8	156	20.5	--	--	--
23...	0955	--	8.0	--	756	.1	1	7.2	371	12.8	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Bicarbonate, wat unf incrm. titr., field, mg/L (00450)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
OCT													
27...	2.78	6.30	35	43	5.58	<.2	16.9	3.9	85	.74	.058	E.013	E.001
27...	--	--	--	--	--	--	--	--	--	.88	.200	E.012	.002
27...	--	--	--	--	--	--	--	--	--	1.5	.620	<.016	E.001
APR													
05...	1.68	7.80	30	37	8.55	<.2	13.5	7.4	86	.51	E.006	<.016	<.002
05...	--	--	--	--	--	--	--	--	--	.48	E.006	<.016	<.002
05...	--	--	--	--	--	--	--	--	--	.68	.023	E.009	E.001
JUN													
25...	2.08	8.16	32	39	7.47	<.2	16.2	4.7	84	.82	<.010	<.016	<.002
25...	--	--	--	--	--	--	--	--	--	.64	.107	<.016	<.002
25...	--	--	--	--	--	--	--	--	--	1.8	1.15	E.015	.005
AUG													
23...	2.39	6.50	31	38	6.93	<.2	15.8	5.1	55	.75	E.005	<.016	<.002
23...	--	--	--	--	--	--	--	--	--	.70	.034	<.016	E.001
23...	--	--	--	--	--	--	--	--	--	7.0	5.20	.035	.002

0209749990 UNIVERSITY LAKE AT INTAKES NEAR CHAPEL HILL, NC—Continued

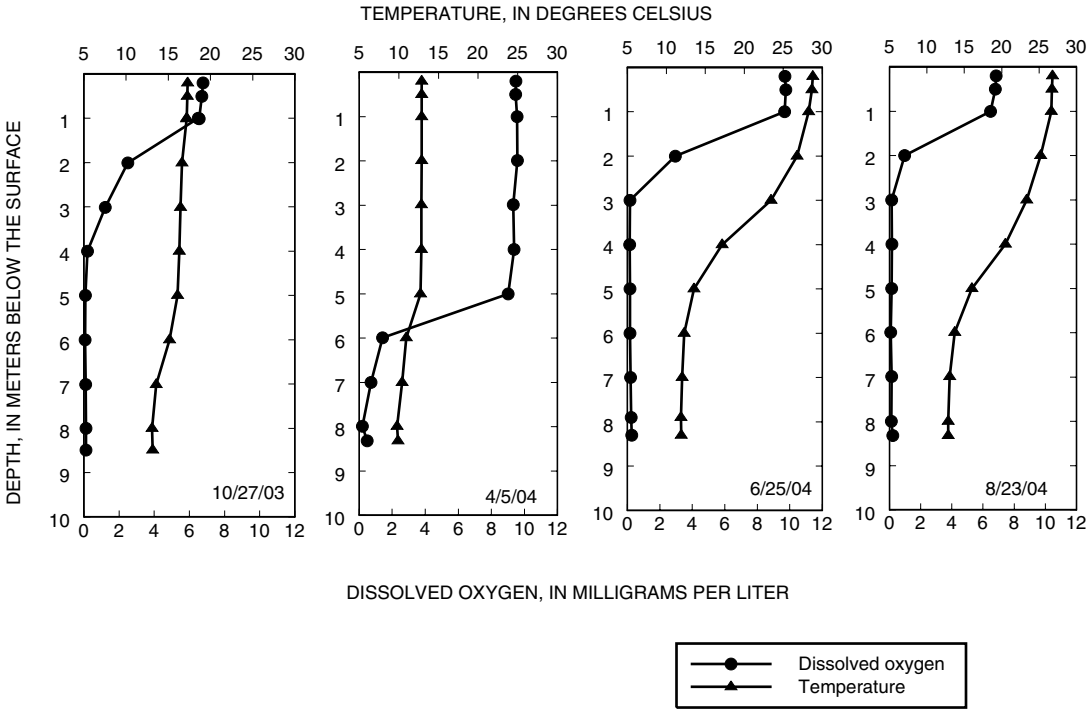
WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Chloro-phyll b phyto-plank-ton, fluoro, ug/L (70954)	Alum-inum, water, unfltrd recover-able, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Cobalt water, unfltrd recover-able, ug/L (01037)	Copper, water, unfltrd recover-able, ug/L (01042)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, unfltrd recover-able, ug/L (01051)
OCT													
27...	<.006	.042	7.1	12.1	.9	34	<2	<.04	<.8	.222	E.3	530	.09
27...	<.006	.046	--	--	--	--	--	--	--	--	--	1,150	--
27...	<.006	.071	--	--	--	--	--	--	--	--	--	3,160	--
APR													
05...	<.006	.044	6.7	6.8	E.4	64	<2	<.04	<.8	.264	1.1	480	.19
05...	<.006	.045	--	--	--	--	--	--	--	--	--	480	--
05...	<.006	.044	--	--	--	--	--	--	--	--	--	540	--
JUN													
25...	<.006	.040	10.0	40.5	<.1	--	--	--	--	--	--	140	--
25...	<.006	.043	--	--	--	--	--	--	--	--	--	2,420	--
25...	.044	.099	--	--	--	--	--	--	--	--	--	14,200	--
AUG													
23...	<.006	.049	9.3	9.1	E.5	--	--	--	--	--	--	210	--
23...	<.006	.055	--	--	--	--	--	--	--	--	--	1,160	--
23...	E.005	.167	--	--	--	--	--	--	--	--	--	56,100	--

Date	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Mercury water, unfltrd recover-able, ug/L (71900)	Molyb-denum, water, unfltrd recover-able, ug/L (01062)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selen-ium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover-able, ug/L (01077)
OCT						
27...	329	E.02	.3	.33	E.2	<.16
27...	910	--	--	--	--	--
27...	2,740	--	--	--	--	--
APR						
05...	194	.04	E.2	.27	<.4	<.16
05...	197	--	--	--	--	--
05...	402	--	--	--	--	--
JUN						
25...	62.3	--	--	--	--	--
25...	4,040	--	--	--	--	--
25...	4,680	--	--	--	--	--
AUG						
23...	80.0	--	--	--	--	--
23...	2,830	--	--	--	--	--
23...	9,740	--	--	--	--	--

Remark codes used in this table:
< -- Less than
E -- Estimated value

0209749990 UNIVERSITY LAKE AT INTAKES NEAR CHAPEL HILL, NC—Continued



02097517 MORGAN CREEK NEAR CHAPEL HILL, NC

LOCATION.--Lat 35°53'36", long 79°01'11", Orange County, Hydrologic Unit 03030002, on left bank 2.5 mi southeast of Chapel Hill, and 3.8 mi downstream of U.S. Highway 501.

DRAINAGE AREA.--41.0 mi^2

PERIOD OF RECORD.--November 1982 to current year.

GAGE.--Water-stage recorder. Datum of gage is 239.02 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. The City of Chapel Hill diverted an average of 12.6 ft^3/s for water supply upstream of station, and an average of 12.4 ft^3/s was returned as treated effluent upstream of station. Considerable diurnal fluctuation and occasional slight regulation caused by small reservoir and treated effluent outfall upstream from station. Maximum discharge for period of record from rating curve extended above 1,700 ft^3/s, by logarithmic plotting; maximum gage height, 16.18 ft, from floodmark. Minimum discharge for current water year also occurred June 21.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	24	16	12	13	32	53	37	15	16	19	75
2	18	22	16	12	13	32	41	175	12	14	18	39
3	18	22	16	12	65	31	33	142	12	15	20	30
4	17	22	20	12	58	30	31	79	35	16	14	24
5	17	23	34	15	35	29	29	45	22	11	17	21
6	17	25	19	16	46	31	27	32	18	11	18	41
7	18	25	17	13	130	29	27	25	18	10	12	67
8	20	25	17	13	58	29	27	19	17	12	11	286
9	27	23	17	14	45	28	25	17	16	11	11	147
10	25	22	116	14	39	30	24	17	14	9.4	10	54
11	27	21	75	13	36	27	24	16	13	13	8.7	36
12	23	22	35	13	56	26	40	18	16	29	25	29
13	22	24	23	13	56	26	36	21	14	25	39	26
14	26	22	140	13	44	26	37	20	14	17	102	25
15	31	20	64	13	42	49	29	20	14	14	50	31
16	22	21	32	12	48	73	23	19	20	12	50	27
17	19	23	31	12	42	78	20	21	20	12	31	36
18	19	23	28	17	39	64	18	19	16	33	23	42
19	19	53	23	14	37	66	18	19	12	17	16	27
20	19	28	20	13	35	47	17	19	10	15	17	21
21	19	20	17	13	34	41	15	18	11	13	36	19
22	19	18	15	13	31	36	15	16	13	15	59	18
23	18	16	15	12	30	32	15	27	14	21	27	17
24	17	17	16	12	29	31	15	17	22	15	19	17
25	17	17	15	12	29	30	14	16	16	13	16	17
26	21	16	14	12	28	29	16	15	30	13	15	17
27	25	15	13	13	38	28	19	16	20	32	15	19
28	29	19	13	14	33	28	16	14	18	42	15	33
29	66	20	13	15	33	27	13	14	35	97	15	21
30	35	16	13	16	---	27	13	19	21	33	377	18
31	26	---	13	15	---	32	---	14	---	24	133	---
TOTAL	714	664	916	413	1,222	1,124	730	966	528	630.4	1,238.7	1,280
MEAN	23.0	22.1	29.5	13.3	42.1	36.3	24.3	31.2	17.6	20.3	40.0	42.7
MAX	66	53	140	17	130	78	53	175	35	97	377	286
MIN	17	15	13	12	13	26	13	14	10	9.4	8.7	17
CFSM	0.56	0.54	0.72	0.32	1.03	0.88	0.59	0.76	0.43	0.50	0.97	1.04
IN.	0.65	0.60	0.83	0.37	1.11	1.02	0.66	0.88	0.48	0.57	1.12	1.16

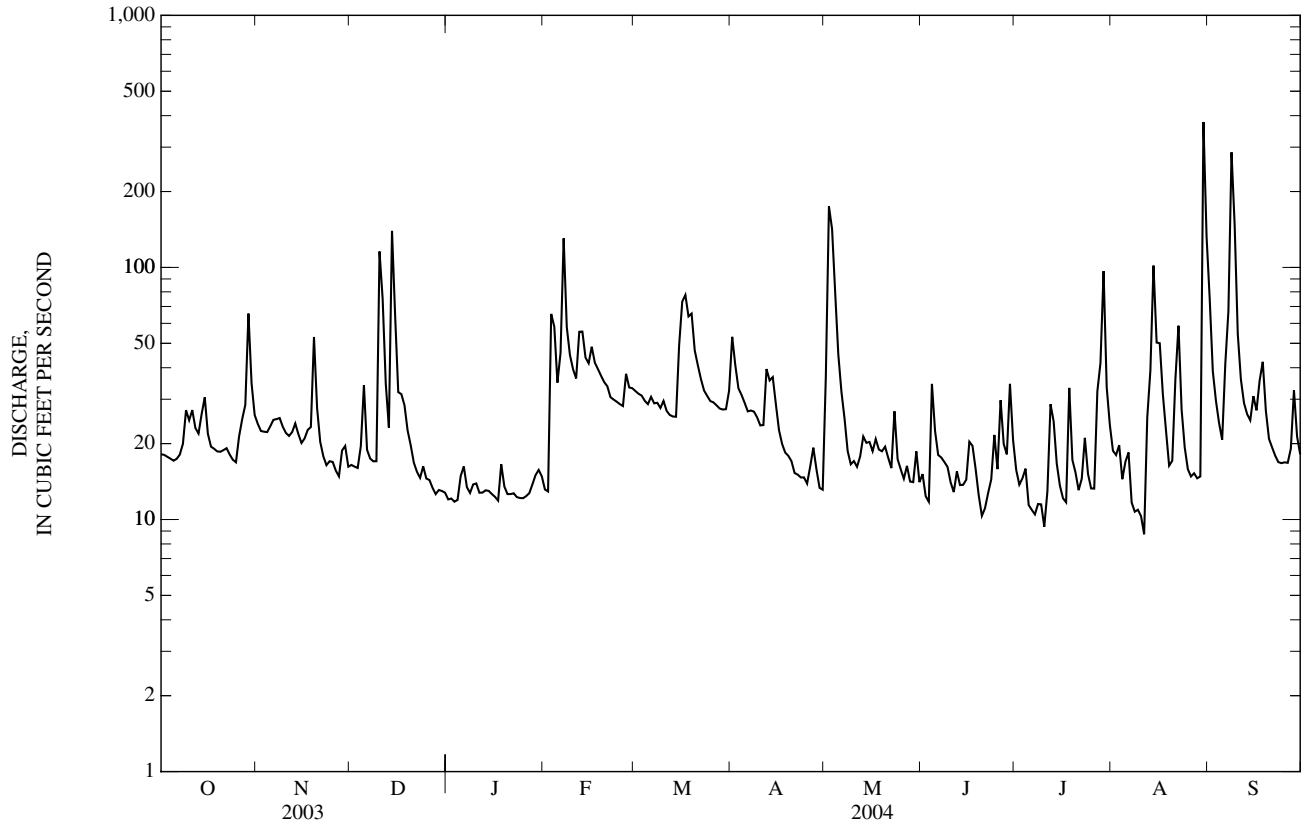
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2004, BY WATER YEAR (WY)

MEAN	25.6	34.4	37.5	64.9	77.1	95.8	60.0	33.3	25.7	22.0	23.1	34.3
MAX	54.9	141	105	184	206	226	194	91.2	84.9	53.8	65.0	272
(WY)	(2003)	(1986)	(1984)	(1998)	(1998)	(1993)	(2003)	(1990)	(1992)	(2003)	(1985)	(1999)
MIN	12.9	10.5	12.9	13.3	17.2	18.0	17.5	14.5	11.1	8.93	12.1	8.77
(WY)	(1999)	(1983)	(1989)	(2004)	(1991)	(1988)	(1986)	(1986)	(1986)	(1988)	(1988)	(1983)

02097517 MORGAN CREEK NEAR CHAPEL HILL, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1983 - 2004	
ANNUAL TOTAL	25,478		10,426.1			
ANNUAL MEAN	69.8		28.5		43.7	
HIGHEST ANNUAL MEAN					80.2	2003
LOWEST ANNUAL MEAN					21.7	1988
HIGHEST DAILY MEAN	1,600	Apr 10	377	Aug 30	2,600	Sep 6, 1996
LOWEST DAILY MEAN	13	Dec 27	8.7	Aug 11	0.60	Nov 26, 1982
ANNUAL SEVEN-DAY MINIMUM	13	Dec 25	11	Jul 5	2.1	Nov 22, 1982
MAXIMUM PEAK FLOW			799	May 2	4210*	Sep 6, 1996
MAXIMUM PEAK STAGE			8.93	May 2	16.18*	Sep 6, 1996
INSTANTANEOUS LOW FLOW			3.8*	Jun 3	NOT DETERMINED	
ANNUAL RUNOFF (CFSM)	1.70		0.695		1.07	
ANNUAL RUNOFF (INCHES)	23.12		9.46		14.47	
10 PERCENT EXCEEDS	122		45		80	
50 PERCENT EXCEEDS	32		20		20	
90 PERCENT EXCEEDS	19		13		12	

* See REMARKS.



0209768310 B. EVERETT JORDAN LAKE AT BUOY 12 AT FARRINGTON, NC

LOCATION.--Lat 35°47'56", long 79°00'21", Chatham County, Hydrologic Unit 03030002, .02 mi above Secondary Road 1008, and 0.2 mi east of Farrington.

PERIOD OF RECORD.--Water years 1992 to current year.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment. Samples for nutrient and chlorophyll a and b analyses were collected through a sampling zone equal to double the secchi disk depth using the depth-integration sampling technique.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Color, water, fltrd, Pt-Co units (00080)	Sampling depth, meters (00098)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
OCT													
30...	1200	25	1.0	.60	763	9.5	98	8.1	152	16.7	33	8.40	2.86
30...	1205	--	3.0	--	763	8.6	87	7.6	158	16.3	--	--	--
30...	1210	--	5.0	--	763	.2	3	7.2	230	16.7	--	--	--
APR													
22...	1230	50	1.0	.50	760	6.9	--	8.2	--	18.7	36	9.29	3.18
22...	1235	--	3.0	--	760	6.9	--	7.3	--	17.8	--	--	--
22...	1240	--	5.0	--	760	5.1	--	7.1	--	17.0	--	--	--
JUN													
24...	0930	50	1.0	.60	758	5.4	68	7.6	198	27.4	39	10.3	3.22
24...	0935	--	2.0	--	758	5.2	67	7.5	198	27.4	--	--	--
24...	0940	--	4.0	--	758	2.2	27	7.2	202	27.0	--	--	--
AUG													
24...	1230	50	1.0	.40	760	6.2	79	7.6	150	27.3	33	8.43	2.79
24...	1235	--	2.0	--	760	4.6	57	7.0	147	26.9	--	--	--
24...	1240	--	4.0	--	760	1.6	20	6.7	153	26.1	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Bicarbonate, wat unf incrm. titr., field, mg/L (00450)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
OCT													
30...	3.62	16.2	38	46	12.8	.2	4.91	11.5	95	.95	.042	E.008	.002
30...	--	--	--	--	--	--	--	--	--	.84	.027	E.011	E.001
30...	--	--	--	--	--	--	--	--	--	.90	.038	E.008	.002
APR													
22...	3.47	20.1	35	42	23.7	.2	.07	12.5	109	1.1	.017	<.016	.002
22...	--	--	--	--	--	--	--	--	--	1.1	.068	E.010	.002
22...	--	--	--	--	--	--	--	--	--	1.3	.148	E.014	.003
JUN													
24...	3.97	22.2	40	49	21.4	.2	1.86	12.1	113	1.1	<.010	<.016	<.002
24...	--	--	--	--	--	--	--	--	--	.92	<.010	<.016	<.002
24...	--	--	--	--	--	--	--	--	--	1.0	E.006	<.016	<.002
AUG													
24...	3.63	16.5	34	41	15.1	.2	5.69	10.9	93	1.2	E.007	<.016	E.001
24...	--	--	--	--	--	--	--	--	--	1.1	E.006	<.016	E.001
24...	--	--	--	--	--	--	--	--	--	1.3	.147	E.013	.008

0209768310 B. EVERETT JORDAN LAKE AT BUOY 12 AT FARRINGTON, NC—Continued

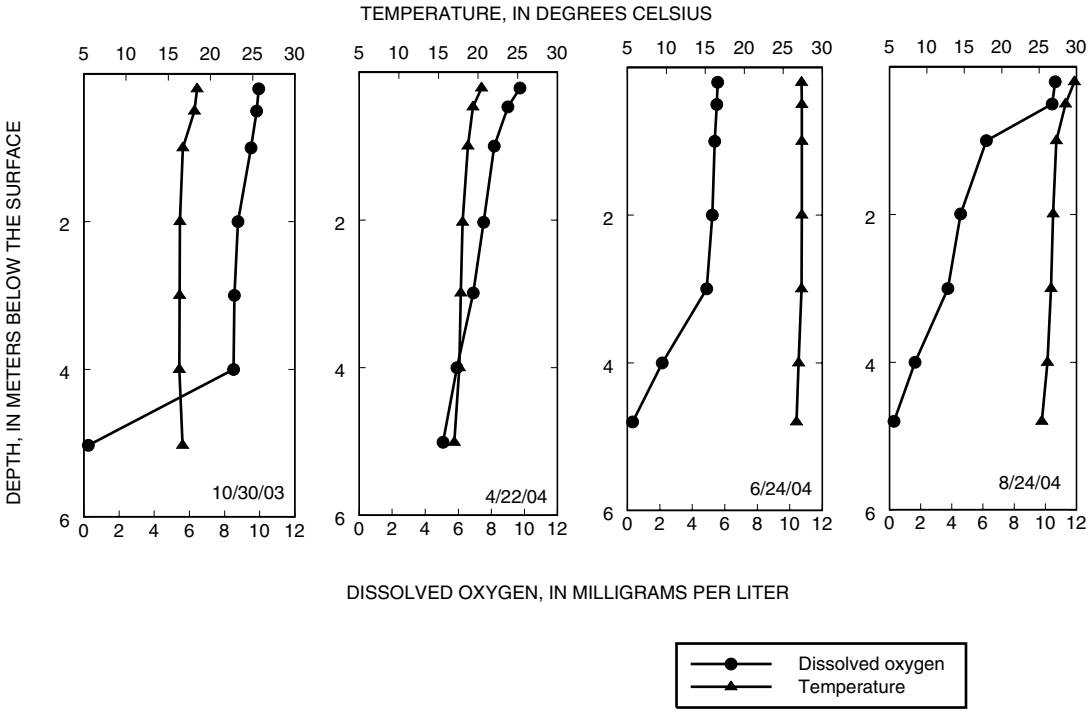
WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Chloro-phyll b phyto-plank-ton, fluoro, ug/L (70954)	Alum-inum, water, unfltrd recover-able, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Cobalt water, unfltrd recover-able, ug/L (01037)	Copper, water, unfltrd recover-able, ug/L (01042)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, unfltrd recover-able, ug/L (01051)
OCT													
30...	<.006	.070	9.9	32.8	1.2	114	<2	<.04	<.8	.270	1.0	210	.37
30...	<.006	.065	--	--	--	--	--	--	--	--	--	240	--
30...	<.006	.075	--	--	--	--	--	--	--	--	--	320	--
APR													
22...	<.006	.088	10.7	39.6	3.3	99	E1	<.04	<.8	.475	1.3	250	.31
22...	<.006	.089	--	--	--	--	--	--	--	--	--	330	--
22...	<.006	.107	--	--	--	--	--	--	--	--	--	490	--
JUN													
24...	<.006	.074	10.7	62.2	2.5	--	--	--	--	--	--	230	--
24...	<.006	.073	--	--	--	--	--	--	--	--	--	230	--
24...	<.006	.081	--	--	--	--	--	--	--	--	--	300	--
AUG													
24...	E.003	.089	15.5	39.2	E1.7	--	--	--	--	--	--	390	--
24...	E.004	.091	--	--	--	--	--	--	--	--	--	350	--
24...	<.006	.096	--	--	--	--	--	--	--	--	--	480	--

Date	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Mercury water, unfltrd recover-able, ug/L (71900)	Molyb-denum, water, unfltrd recover-able, ug/L (01062)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selen-ium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover-able, ug/L (01077)
OCT						
30...	157	E.01	3.5	E.78	<.4	<.16
30...	170	--	--	--	--	--
30...	190	--	--	--	--	--
APR						
22...	180	.02	2.7	1.07	E.2	<.16
22...	206	--	--	--	--	--
22...	331	--	--	--	--	--
JUN						
24...	248	--	--	--	--	--
24...	250	--	--	--	--	--
24...	347	--	--	--	--	--
AUG						
24...	139	--	--	--	--	--
24...	140	--	--	--	--	--
24...	223	--	--	--	--	--

Remark codes used in this table:
< -- Less than
E -- Estimated value

0209768310 B. EVERETT JORDAN LAKE AT BUOY 12 AT FARRINGTON, NC—Continued



0209782609 WHITE OAK CREEK AT MOUTH NEAR GREEN LEVEL, NC

LOCATION.--Lat 35°45'37", long 78°55'13", Wake County, Hydrologic Unit 03030002, on left bank on Secondary Road 1603, 1.8 mi south-southwest of Green Level.

DRAINAGE AREA.--11.9 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1999 to current year. October 1999 to September 2003 published as "0209782520, White Oak Creek at Green Level, NC".

GAGE.--Water-stage recorder. Elevation of gage is 245 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. No flow occurs at times most years.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	2.6	1.6	3.1	7.0	11	19	13	0.04	0.15	1.7	65
2	1.1	1.9	1.2	3.0	5.5	9.5	9.9	81	0.03	0.10	25	18
3	0.93	1.5	0.97	3.1	60	8.6	6.6	136	0.03	0.11	33	8.4
4	0.85	1.3	1.1	3.2	28	7.5	5.1	30	0.04	0.05	1.2	5.1
5	0.78	1.3	15	3.8	13	6.8	3.8	12	0.29	0.02	0.26	3.5
6	0.72	1.4	6.9	8.0	24	7.2	3.2	7.3	0.21	0.00	59	29
7	0.69	3.6	3.2	3.7	106	7.8	3.1	4.4	0.11	0.00	1.9	162
8	0.79	3.2	2.1	2.9	25	6.0	3.0	3.0	0.08	0.00	0.20	149
9	1.2	2.8	1.7	3.2	16	6.2	2.8	2.3	0.08	0.00	0.09	68
10	2.1	1.9	14	5.7	13	9.4	2.4	1.6	0.08	0.00	0.06	19
11	2.1	1.4	121	3.0	11	5.9	2.7	1.3	0.08	0.00	0.05	10
12	2.4	1.2	22	3.3	46	4.9	11	1.4	0.06	0.00	0.33	6.4
13	1.6	1.2	11	4.0	38	3.8	24	0.82	0.04	0.00	38	4.0
14	1.5	1.0	135	3.3	19	3.3	17	0.66	0.03	0.01	207	2.9
15	5.2	0.84	58	3.0	23	55	9.8	0.55	0.02	0.05	130	7.7
16	3.2	0.72	22	2.4	44	159	5.6	0.75	0.02	0.01	99	5.3
17	1.6	0.68	40	2.3	29	115	4.2	0.43	0.02	0.00	22	5.7
18	1.3	0.70	29	11	23	47	3.4	0.36	0.01	0.97	10	72
19	1.1	17	16	8.0	21	54	3.0	0.29	0.01	0.65	7.0	29
20	1.0	30	11	4.1	16	23	2.7	0.52	0.01	0.09	3.6	7.7
21	1.00	5.8	8.9	3.2	13	19	2.3	0.66	0.00	0.03	2.1	3.6
22	0.94	2.7	8.1	2.8	9.9	13	2.0	0.33	0.00	0.04	70	2.5
23	0.86	2.0	7.3	2.7	8.6	10	1.7	0.29	0.00	14	10	1.9
24	0.81	1.6	11	2.5	8.2	8.4	1.6	0.36	0.00	0.63	5.0	1.7
25	0.73	1.3	9.1	2.3	7.6	7.2	1.4	0.27	0.00	0.13	2.5	1.4
26	0.72	1.2	6.1	4.0	6.7	6.6	1.7	0.17	0.00	0.08	1.8	1.3
27	0.79	1.1	5.1	3.4	15	6.9	6.2	0.13	0.00	0.07	1.5	1.9
28	0.97	1.7	4.6	4.5	19	6.3	3.1	0.09	0.00	1.3	1.4	80
29	47	7.3	4.1	8.0	16	5.4	1.8	0.07	0.01	1.1	1.4	40
30	14	2.5	4.1	12	---	4.1	1.6	0.06	0.34	33	139	11
31	5.2	---	3.5	12	---	6.0	---	0.05	---	0.69	61	---
TOTAL	104.38	103.44	584.67	141.5	671.5	643.8	165.7	300.16	1.64	53.28	935.09	823.0
MEAN	3.37	3.45	18.9	4.56	23.2	20.8	5.52	9.68	0.05	1.72	30.2	27.4
MAX	47	30	135	12	106	159	24	136	0.34	33	207	162
MIN	0.69	0.68	0.97	2.3	5.5	3.3	1.4	0.05	0.00	0.00	0.05	1.3
CFSM	0.48	0.49	2.71	0.65	3.32	2.98	0.79	1.39	0.01	0.25	4.33	3.94
IN.	0.56	0.55	3.12	0.76	3.58	3.44	0.88	1.60	0.01	0.28	4.99	4.39

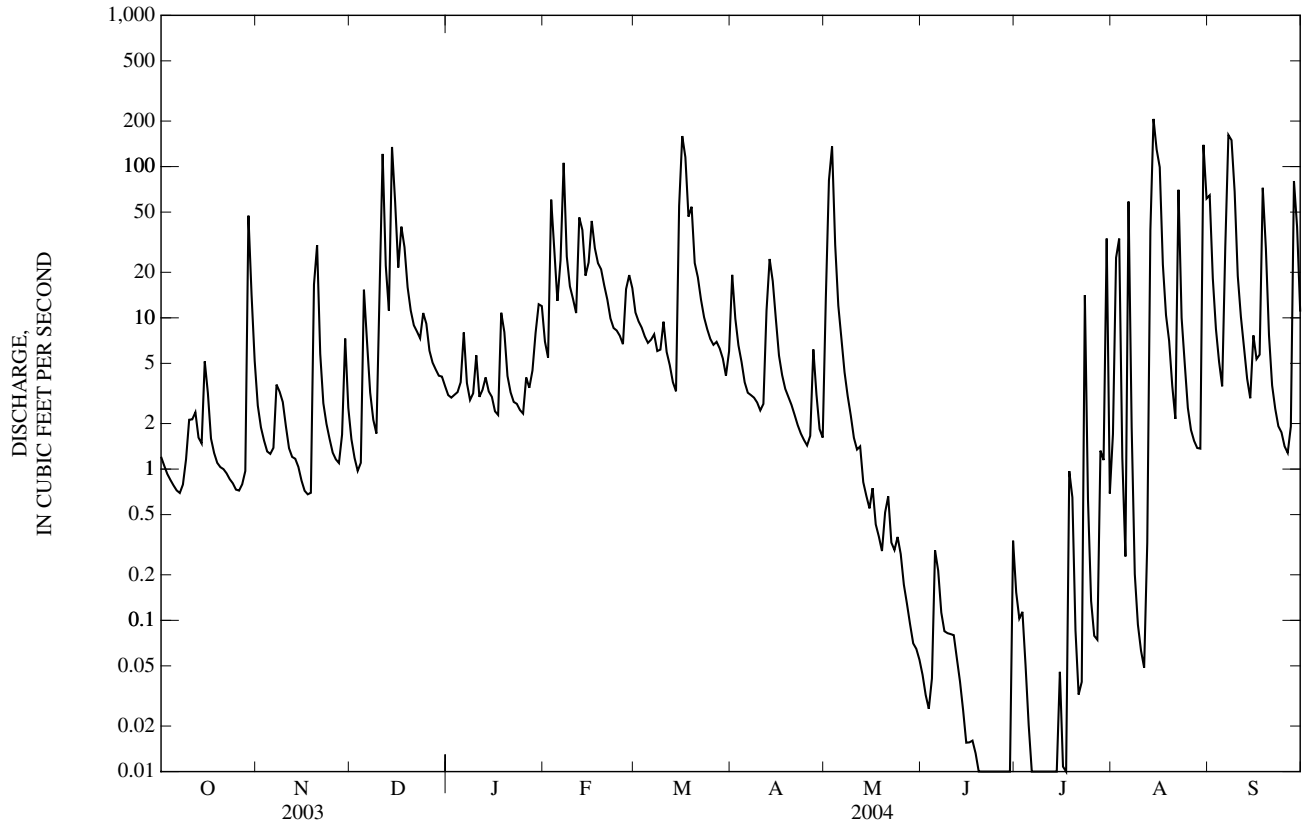
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

MEAN	8.03	7.29	15.4	15.0	24.6	26.1	18.7	3.97	7.04	3.02	12.3	11.9
MAX	23.8	25.1	43.5	28.6	51.4	56.4	44.8	9.68	17.6	5.19	30.2	27.4
(WY)	(2003)	(2003)	(2003)	(2000)	(2003)	(2003)	(2003)	(2004)	(2003)	(2001)	(2004)	(2004)
MIN	0.77	0.21	2.35	3.26	7.77	7.49	5.52	0.20	0.00	0.01	0.84	0.61
(WY)	(2002)	(2002)	(2001)	(2001)	(2002)	(2000)	(2004)	(2002)	(2002)	(2002)	(2002)	(2001)

0209782609 WHITE OAK CREEK AT MOUTH NEAR GREEN LEVEL, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2000 - 2004	
ANNUAL TOTAL	7,201.30		4,528.16			
ANNUAL MEAN	19.7		12.4		12.7	
HIGHEST ANNUAL MEAN					25.3	2003
LOWEST ANNUAL MEAN					5.51	2002
HIGHEST DAILY MEAN	472	Apr 10	207	Aug 14	472	Apr 10, 2003
LOWEST DAILY MEAN	0.63	Aug 30	0.00	Jun 21	0.00	May 28, 2002
ANNUAL SEVEN-DAY MINIMUM	0.83	Oct 22	0.00	Jun 21	0.00	May 28, 2002
MAXIMUM PEAK FLOW			298	Aug 30	1,140	Oct 11, 2002
MAXIMUM PEAK STAGE			7.40	Aug 30	10.51	Oct 11, 2002
INSTANTANEOUS LOW FLOW			0.00*	Jun 21	0.00*	May 28, 2002
ANNUAL RUNOFF (CFSM)	2.83		1.78		1.82	
ANNUAL RUNOFF (INCHES)	38.43		24.17		24.79	
10 PERCENT EXCEEDS	47		29		28	
50 PERCENT EXCEEDS	5.6		3.0		2.9	
90 PERCENT EXCEEDS	1.0		0.05		0.03	

* See REMARKS.



0209782609 WHITE OAK CREEK AT MOUTH NEAR GREEN LEVEL, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1999 to current year.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT													
30...	0845	15	100	765	9.8	91	6.9	87	11.8	22	5.22	2.14	5.48
DEC													
09...	1400	1.7	50	762	12.4	97	6.9	89	5.0	25	5.78	2.47	3.65
FEB													
24...	1330	8.3	50	755	11.4	99	6.8	100	8.7	22	5.37	2.12	2.24
APR													
01...	1200	22	125	748	10.0	96	7.0	91	12.8	26	6.34	2.53	2.72
JUL													
15...	0830	.06	88	752	5.1	61	6.6	106	23.4	23	5.16	2.36	3.09
AUG													
17...	0930	25	125	760	6.5	73	6.6	78	21.0	21	5.64	1.80	2.52

Date	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Bicarbonate, wat unf incrm. titr., field, mg/L (00450)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)
OCT													
30...	6.16	16	19	7.85	<.2	6.78	7.5	71	.61	E.008	.034	.002	E.004
DEC													
09...	6.44	20	24	9.30	<.2	9.09	6.5	61	.42	.031	.027	E.001	E.003
FEB													
24...	9.90	26	32	13.2	<.2	6.03	9.0	77	.41	E.007	.035	E.001	E.003
APR													
01...	8.52	23	28	10.5	<.2	5.78	5.1	75	.70	.020	.049	.003	E.004
JUL													
15...	9.97	21	25	9.60	<.2	6.11	9.7	77	.68	.040	.073	.002	.007
AUG													
17...	5.58	13	16	6.15	<.2	7.57	9.0	73	.61	.026	.025	.002	.006

Date	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Aluminum, water, unfltrd recoverable, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Cobalt water, unfltrd recoverable, ug/L (01037)	Copper, water, unfltrd recoverable, ug/L (01042)	Iron, water, unfltrd recoverable, ug/L (01045)	Lead, water, unfltrd recoverable, ug/L (01051)	Manganese, water, unfltrd recoverable, ug/L (01055)	Mercury water, unfltrd recoverable, ug/L (71900)	Molybdenum, water, unfltrd recoverable, ug/L (01062)
OCT													
30...	.079	15.1	384	<2	<.04	.9	.607	1.6	1,670	1.19	112	<.02	<.2
DEC													
09...	.032	7.2	--	--	--	--	--	--	--	--	--	--	--
FEB													
24...	.031	7.4	--	--	--	--	--	--	--	--	--	--	--
APR													
01...	.068	14.1	396	<2	<.04	E.6	1.44	1.3	2,480	1.19	344	<.02	<.2
JUL													
15...	.059	11.2	61	<2	<.04	<.8	1.38	.8	2,080	.36	402	<.02	<.2
AUG													
17...	.065	15.5	--	--	--	--	--	--	--	--	--	--	--

0209782609 WHITE OAK CREEK AT MOUTH NEAR GREEN LEVEL, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Nickel, water, unfltrd recover -able, ug/L (01067)	Selen- ium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover -able, ug/L (01077)	Zinc, water, unfltrd recover -able, ug/L (01092)	Sus- pended sedi- ment concen- tration mg/L (80154)
OCT					
30...	<.78	E.3	<.16	2	27
DEC					
09...	--	--	--	--	10
FEB					
24...	--	--	--	--	9
APR					
01...	1.05	<.4	<.16	2	35
JUL					
15...	.93	<.4	<.16	3	6
AUG					
17...	--	--	--	--	23

Remark codes used in this table:
< -- Less than
E -- Estimated value

0209799150 B. EVERETT JORDAN LAKE ABOVE U.S. HIGHWAY 64 NEAR WILSONVILLE, NC

LOCATION.--Lat 35°44'30", long 79°01'09", Chatham County, Hydrologic Unit 03030002, 0.2 mi above bridge on U.S. Highway 64, and 1.1 mi west of Wilsonville.

PERIOD OF RECORD.--Water years 1991 to current year.

REMARKS.-- Station operated to define water quality as part of a six-county regional surface-water quality assessment. Samples for nutrient and chlorophyll a and b analyses were collected through a sampling zone equal to double the secchi disk depth using the depth-integration sampling technique.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Color, water, fltrd, Pt-Co units (00080)	Sampling depth, meters (00098)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
OCT													
30...	1100	50	1.2	.80	763	8.0	84	7.7	122	17.8	30	7.42	2.70
30...	1105	--	6.2	--	763	7.4	77	7.5	124	17.3	--	--	--
30...	1110	--	12.2	--	763	.3	3	7.5	126	17.2	--	--	--
APR													
20...	1100	25	1.0	.90	761	10.0	--	8.0	--	17.0	32	8.02	2.88
20...	1105	--	4.0	--	761	8.2	--	7.3	--	15.8	--	--	--
20...	1110	--	9.0	--	761	4.8	--	7.0	--	14.2	--	--	--
JUN													
23...	1030	25	1.0	1.00	757	6.4	81	7.7	173	27.3	34	8.59	3.15
23...	1035	--	4.0	--	757	3.0	38	7.0	175	26.6	--	--	--
23...	1040	--	6.9	--	757	.1	1	7.0	194	21.2	--	--	--
AUG													
24...	1315	25	1.0	.50	760	9.2	119	8.9	178	28.4	35	8.99	2.98
24...	1320	--	4.0	--	760	4.1	51	7.0	172	26.7	--	--	--
24...	1325	--	8.0	--	760	.2	2	6.9	177	24.6	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Bicarbonate, wat unf incrm. titr., field, mg/L (00450)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
OCT													
30...	3.19	11.6	29	35	9.27	<.2	6.73	8.7	80	.70	.026	.056	.006
30...	--	--	--	--	--	--	--	--	--	.71	.032	.044	.005
30...	--	--	--	--	--	--	--	--	--	.83	.054	.019	.003
APR													
20...	3.32	16.2	32	39	16.5	<.2	.05	11.3	96	.74	.027	.017	.003
20...	--	--	--	--	--	--	--	--	--	.80	.060	.027	.003
20...	--	--	--	--	--	--	--	--	--	.96	.201	.039	.004
JUN													
23...	3.55	18.5	38	46	18.0	.2	1.21	9.7	98	.64	<.010	<.016	<.002
23...	--	--	--	--	--	--	--	--	--	.60	<.010	<.016	<.002
23...	--	--	--	--	--	--	--	--	--	1.7	.814	<.016	<.002
AUG													
24...	3.61	18.0	40	48	18.6	.2	3.76	10.2	99	1.0	E.005	<.016	<.002
24...	--	--	--	--	--	--	--	--	--	.87	<.010	<.016	<.002
24...	--	--	--	--	--	--	--	--	--	1.7	.749	<.016	<.002

0209799150 B. EVERETT JORDAN LAKE ABOVE U.S. HIGHWAY 64 NEAR WILSONVILLE, NC—Continued

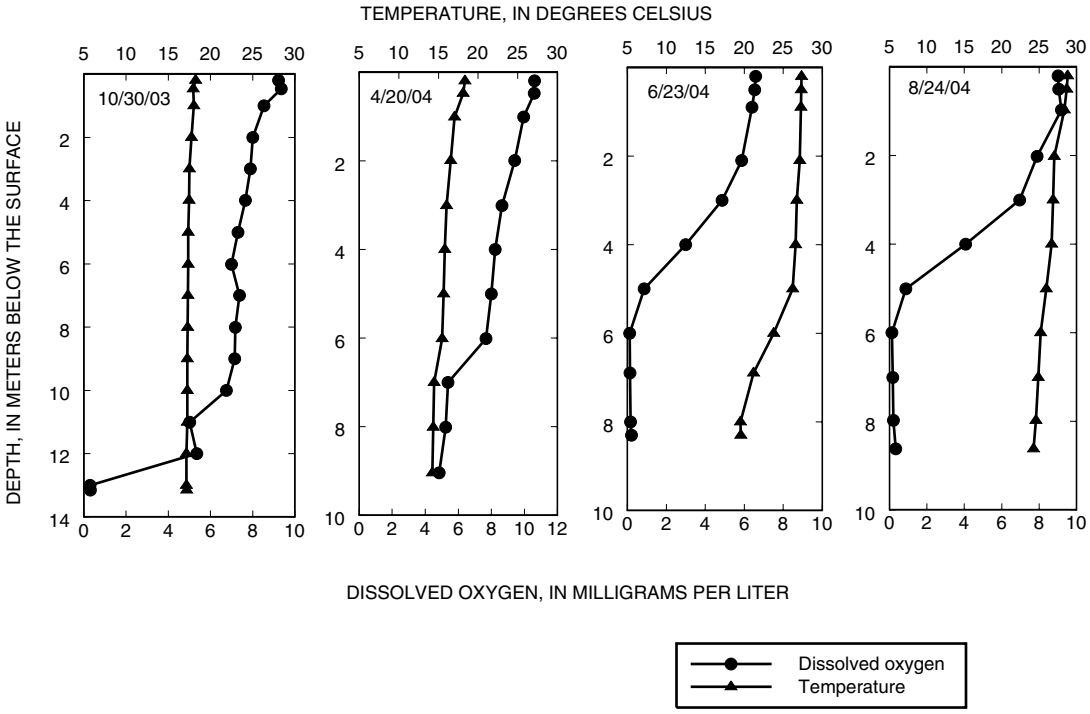
WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Chloro-phyll b phyto-plank-ton, fluoro, ug/L (70954)	Alum-inum, water, unfltrd recover-able, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Cobalt water, unfltrd recover-able, ug/L (01037)	Copper, water, unfltrd recover-able, ug/L (01042)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, unfltrd recover-able, ug/L (01051)
OCT													
30...	<.006	.044	8.1	16.9	E.5	100	<2	<.04	5.1	.187	1.0	170	.32
30...	E.003	.042	--	--	--	--	--	--	--	--	--	160	--
30...	<.006	.048	--	--	--	--	--	--	--	--	--	250	--
APR													
20...	<.006	.044	9.8	17.1	E.9	47	<2	<.04	<.8	.243	1.1	110	.16
20...	<.006	.054	--	--	--	--	--	--	--	--	--	130	--
20...	E.003	.074	--	--	--	--	--	--	--	--	--	410	--
JUN													
23...	<.006	.038	8.0	14.1	<.2	--	--	--	--	--	--	70	--
23...	<.006	.037	--	--	--	--	--	--	--	--	--	90	--
23...	.038	.122	--	--	--	--	--	--	--	--	--	2,370	--
AUG													
24...	<.006	.058	10.9	28.9	E1.1	--	--	--	--	--	--	90	--
24...	<.006	.046	--	--	--	--	--	--	--	--	--	90	--
24...	.008	.127	--	--	--	--	--	--	--	--	--	1,390	--

Date	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Mercury water, unfltrd recover-able, ug/L (71900)	Molyb-denum, water, unfltrd recover-able, ug/L (01062)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selen-ium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover-able, ug/L (01077)
OCT						
30...	131	E.01	2.2	<.78	<.4	<.16
30...	134	--	--	--	--	--
30...	179	--	--	--	--	--
APR						
20...	63	E.01	1.7	.79	<.4	<.16
20...	75.0	--	--	--	--	--
20...	274	--	--	--	--	--
JUN						
23...	90.1	--	--	--	--	--
23...	174	--	--	--	--	--
23...	4,020	--	--	--	--	--
AUG						
24...	69.0	--	--	--	--	--
24...	87.1	--	--	--	--	--
24...	2,100	--	--	--	--	--

Remark codes used in this table:
< -- Less than
E -- Estimated value

0209799150 B. EVERETT JORDAN LAKE ABOVE U.S. HIGHWAY 64 NEAR WILSONVILLE, NC—Continued



0209801100 B. EVERETT JORDAN LAKE AT BELLS LANDING NEAR GRIFFINS CROSSROADS, NC

LOCATION.--Lat 35°43'39", long 79°02'34", Chatham County, Hydrologic Unit 03030002, at Bells Landing and 2.0 mi southeast of Griffins Crossroads.

PERIOD OF RECORD.--Water years 1991-1995, 1999 to current year.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment. A GC/FID scan for trace organic compounds was performed on samples collected in November 1994 and May 1995. Results may be obtained from the District office in Raleigh. Samples for nutrient and chlorophyll a and b analyses were collected through a sampling zone equal to double the secchi disk depth using the depth-integration sampling technique.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Color, water, fltrd, Pt-Co units (00080)	Sampling depth, meters (00098)	Transparency Secchi disc, meters (00078)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
OCT													
28...	1130	50	1.0	.60	756	8.4	90	7.6	117	18.3	29	7.12	2.69
28...	1135	--	4.0	--	756	8.4	90	7.6	117	18.3	--	--	--
28...	1140	--	7.0	--	756	8.6	92	7.5	117	18.2	--	--	--
APR													
20...	1000	25	1.0	.80	761	11.1	--	8.9	--	18.7	28	6.87	2.57
20...	1005	--	3.0	--	761	10.4	--	8.4	--	17.3	--	--	--
20...	1010	--	7.2	--	761	4.6	--	7.0	--	14.4	--	--	--
JUN													
23...	0945	20	1.0	1.00	757	7.9	101	8.6	169	27.5	31	7.68	2.92
23...	0950	--	3.0	--	757	7.1	91	8.1	170	27.3	--	--	--
23...	0955	--	6.0	--	757	.2	3	7.0	166	25.4	--	--	--
AUG													
24...	1130	18	1.0	.80	760	8.7	112	8.9	173	28.1	35	8.80	3.06
24...	1135	--	3.0	--	760	2.4	30	6.9	170	26.6	--	--	--
24...	1140	--	6.0	--	760	.2	2	6.7	175	25.6	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Bicarbonate, wat unf incrm. titr., field, mg/L (00450)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
OCT													
28...	3.19	10.6	28	35	8.65	<.2	7.59	8.5	80	.70	.017	.096	.006
28...	--	--	--	--	--	--	--	--	--	.73	.010	.093	.005
28...	--	--	--	--	--	--	--	--	--	.63	E.009	.094	.006
APR													
20...	3.16	14.5	32	39	13.8	<.2	.06	10.8	84	.71	E.009	<.016	.002
20...	--	--	--	--	--	--	--	--	--	.70	E.009	E.011	.003
20...	--	--	--	--	--	--	--	--	--	.70	.029	.025	.004
JUN													
23...	3.26	17.4	37	45	16.9	.2	1.17	10.3	102	.55	<.010	<.016	<.002
23...	--	--	--	--	--	--	--	--	--	.54	<.010	<.016	<.002
23...	--	--	--	--	--	--	--	--	--	.59	<.010	<.016	<.002
AUG													
24...	3.56	17.9	36	44	17.8	.2	3.01	10.0	89	.77	E.007	<.016	<.002
24...	--	--	--	--	--	--	--	--	--	.80	E.006	<.016	<.002
24...	--	--	--	--	--	--	--	--	--	.86	.192	<.016	<.002

0209801100 B. EVERETT JORDAN LAKE AT BELLS LANDING NEAR GRIFFINS CROSSROADS, NC—Continued

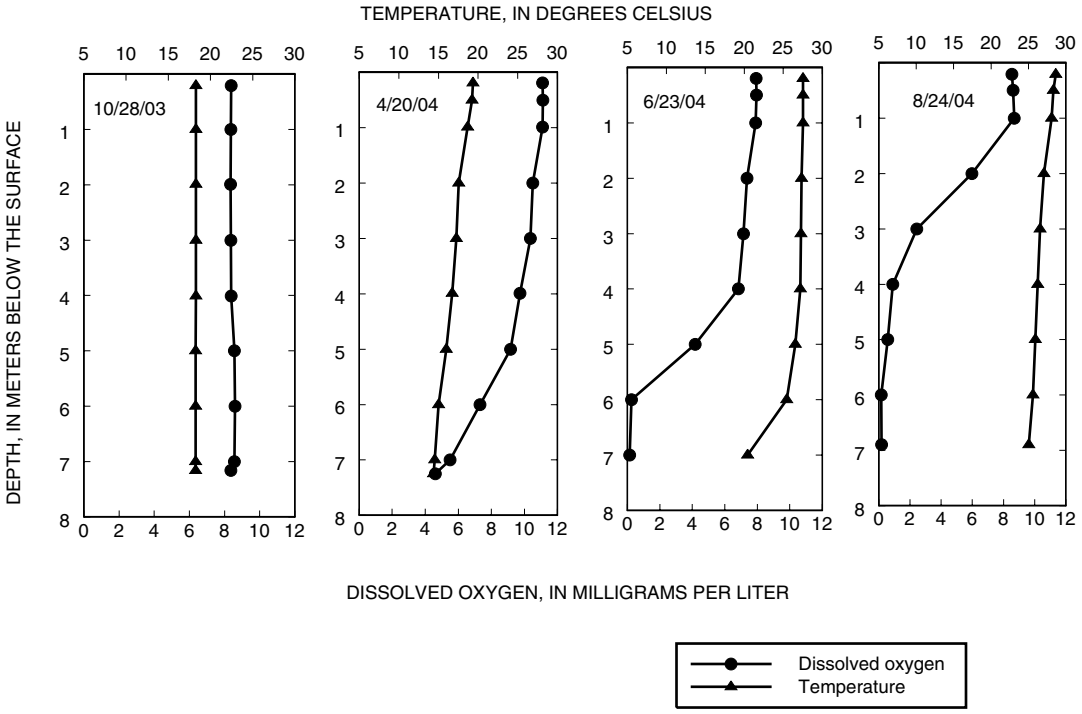
WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Chloro-phyll b phyto-plank-ton, fluoro, ug/L (70954)	Alum-inum, water, unfltrd recover-able, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Cobalt water, unfltrd recover-able, ug/L (01037)	Copper, water, unfltrd recover-able, ug/L (01042)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, unfltrd recover-able, ug/L (01051)
OCT													
28...	<.006	.043	7.7	16.4	<.1	122	<2	<.04	E.6	.239	1.1	190	.32
28...	<.006	.043	--	--	--	--	--	--	--	--	--	180	--
28...	<.006	.042	--	--	--	--	--	--	--	--	--	170	--
APR													
20...	<.006	.042	9.0	15.2	E.7	47	<2	<.04	<.8	.237	1.3	100	.12
20...	<.006	.047	--	--	--	--	--	--	--	--	--	100	--
20...	<.006	.046	--	--	--	--	--	--	--	--	--	160	--
JUN													
23...	<.006	.029	8.2	11.3	<.1	--	--	--	--	--	--	50	--
23...	<.006	.028	--	--	--	--	--	--	--	--	--	50	--
23...	<.006	.046	--	--	--	--	--	--	--	--	--	270	--
AUG													
24...	<.006	.038	9.0	21.9	E.8	--	--	--	--	--	--	60	--
24...	<.006	.037	--	--	--	--	--	--	--	--	--	100	--
24...	<.006	.044	--	--	--	--	--	--	--	--	--	300	--

Date	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Mercury water, unfltrd recover-able, ug/L (71900)	Molyb-denum, water, unfltrd recover-able, ug/L (01062)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selen-ium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover-able, ug/L (01077)
OCT						
28...	117	<.02	1.8	E.70	.5	<.16
28...	117	--	--	--	--	--
28...	116	--	--	--	--	--
APR						
20...	46	.03	1.5	.77	<.4	<.16
20...	41.0	--	--	--	--	--
20...	84.2	--	--	--	--	--
JUN						
23...	47.7	--	--	--	--	--
23...	49.1	--	--	--	--	--
23...	565	--	--	--	--	--
AUG						
24...	49.5	--	--	--	--	--
24...	120	--	--	--	--	--
24...	735	--	--	--	--	--

Remark codes used in this table:
< -- Less than
E -- Estimated value

0209801100 B. EVERETT JORDAN LAKE AT BELLS LANDING NEAR GRIFFINS CROSSROADS, NC—Continued



02098197 B. EVERETT JORDAN LAKE AT DAM NEAR MONCURE, NC

LOCATION.--Lat 35°39'17", long 79°04'06", Chatham County, Hydrologic Unit 03030002, at B. Everett Jordan Dam on Haw River, 0.3 mi downstream of mouth of New Hope River, 2.5 mi north of Moncure, 4.2 mi upstream from mouth of Haw River, and 202.2 mi upstream from mouth of Cape Fear River.

DRAINAGE AREA.--1,689 mi^2.

PERIOD OF RECORD.--May 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929. U.S. Army Corps of Engineers satellite telemetry at station.

REMARKS.--Lake elevations controlled by reservoir operations at B. Everett Jordan Dam. Lake is used for flood control, water supply, low-flow augmentation, and recreation. Some storage was affected during construction and then operated temporarily as a "dry reservoir" January 1975 to August 1981. Reservoir began filling September 1981 and reached normal pool elevation, 216 ft, Feb. 4, 1982. Total capacity is 32,825,074,000 ft^3 at 240.0 ft, of which 23,454,011,000 ft^3 is controlled flood storage. (See station 02098198.)

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded elevation, 233.83 ft, Apr. 15, 2003; minimum recorded elevation, 207.85 ft, Nov. 12, 1986.

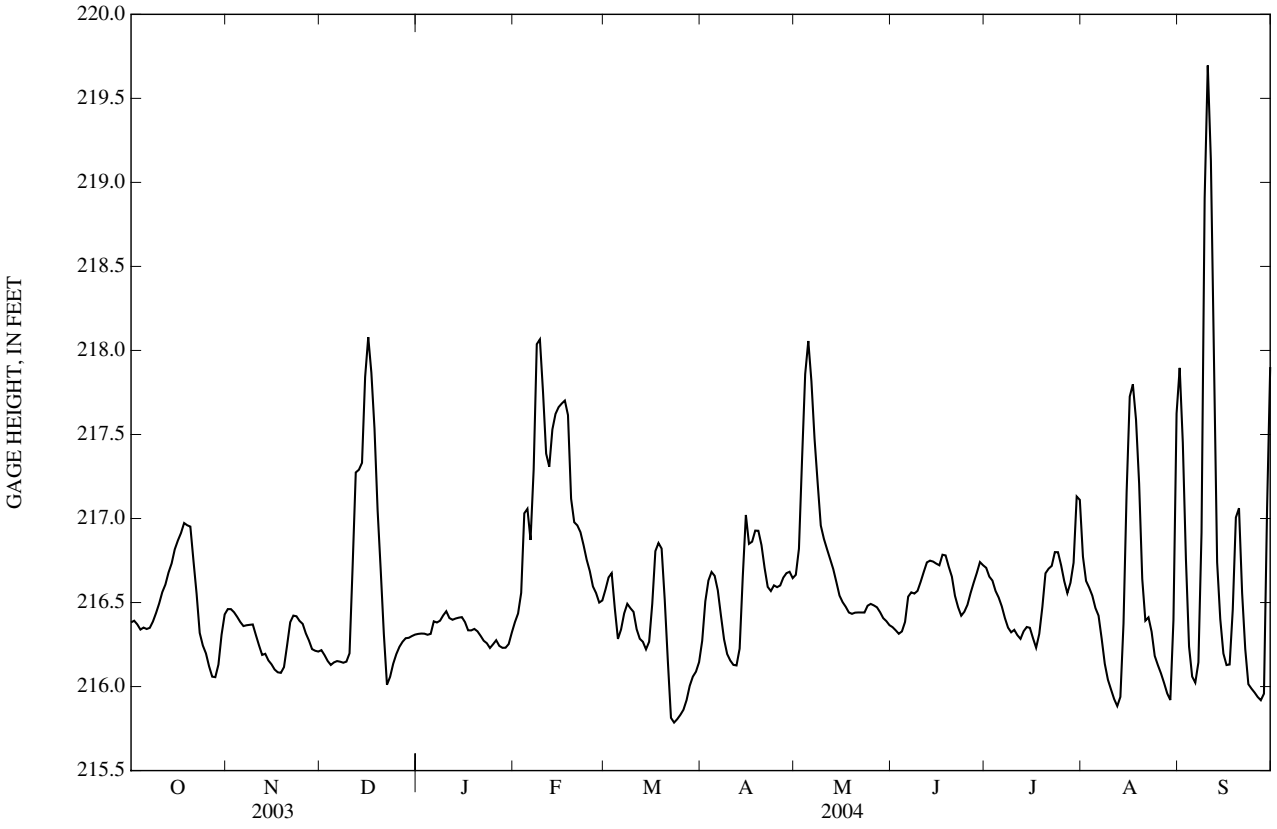
EXTREMES FOR CURRENT YEAR.--Maximum recorded elevation, 219.81 ft, Sep. 10; minimum recorded elevation, 215.76 ft, Mar. 22.

COOPERATION.--Some records furnished by U.S. Army Corps of Engineers.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	216.38	216.46	216.22	216.31	216.38	216.58	216.27	216.67	216.35	216.71	216.77	217.90
2	216.39	216.46	216.19	216.32	216.43	216.65	216.51	216.82	216.33	216.65	216.63	217.45
3	216.37	216.44	216.15	216.31	216.56	216.68	216.63	217.35	216.31	216.63	216.59	216.76
4	216.34	216.41	216.13	216.31	217.03	216.47	216.68	217.86	216.33	216.57	216.54	216.24
5	216.35	216.38	216.14	216.31	217.06	216.28	216.66	218.06	216.38	216.53	216.47	216.06
6	216.34	216.36	216.15	216.39	216.87	216.34	216.57	217.82	216.53	216.48	216.42	216.02
7	216.35	216.36	216.15	216.38	217.29	216.44	216.42	217.47	216.56	216.41	216.29	216.14
8	216.39	216.37	216.14	216.39	218.04	216.49	216.28	217.21	216.55	216.35	216.14	216.92
9	216.44	216.37	216.15	216.42	218.07	216.47	216.19	216.96	216.57	216.32	216.04	218.91
10	216.49	216.31	216.20	216.45	217.75	216.44	216.16	216.88	216.62	216.34	215.98	219.70
11	216.56	216.25	216.72	216.41	217.39	216.34	216.13	216.82	216.68	216.31	215.93	219.13
12	216.61	216.19	217.27	216.40	217.31	216.28	216.13	216.76	216.74	216.28	215.88	217.92
13	216.68	216.19	217.29	216.41	217.53	216.27	216.23	216.70	216.75	216.33	215.94	216.74
14	216.73	216.16	217.33	216.41	217.62	216.22	216.65	216.62	216.74	216.35	216.37	216.40
15	216.82	216.13	217.84	216.41	217.66	216.27	217.02	216.54	216.73	216.35	217.16	216.20
16	216.87	216.10	218.08	216.38	217.68	216.49	216.85	216.50	216.72	216.29	217.73	216.13
17	216.91	216.09	217.87	216.33	217.70	216.81	216.86	216.47	216.78	216.23	217.80	216.13
18	216.97	216.08	217.54	216.33	217.62	216.85	216.93	216.44	216.78	216.31	217.59	216.46
19	216.96	216.12	217.05	216.34	217.12	216.82	216.93	216.43	216.71	216.47	217.21	217.01
20	216.95	216.25	216.69	216.33	216.98	216.52	216.84	216.44	216.65	216.67	216.64	217.06
21	216.75	216.38	216.31	216.30	216.96	216.15	216.71	216.44	216.54	216.70	216.39	216.56
22	216.55	216.42	216.01	216.27	216.92	215.81	216.59	216.44	216.47	216.72	216.41	216.22
23	216.32	216.42	216.06	216.26	216.84	215.79	216.57	216.44	216.42	216.80	216.33	216.01
24	216.24	216.39	216.14	216.23	216.75	215.81	216.60	216.48	216.45	216.80	216.18	215.99
25	216.20	216.37	216.19	216.25	216.69	215.83	216.59	216.49	216.49	216.72	216.13	215.96
26	216.12	216.32	216.24	216.28	216.60	215.86	216.60	216.48	216.56	216.63	216.08	215.94
27	216.06	216.27	216.27	216.24	216.56	215.92	216.65	216.47	216.62	216.56	216.02	215.92
28	216.06	216.22	216.29	216.23	216.50	216.00	216.67	216.44	216.68	216.62	215.96	215.96
29	216.13	216.21	216.29	216.23	216.51	216.06	216.68	216.41	216.74	216.74	215.92	217.06
30	216.31	216.21	216.30	216.25	---	216.09	216.65	216.39	216.72	217.13	216.40	217.90
31	216.43	---	216.31	216.32	---	216.15	---	216.37	---	217.11	217.62	---
MEAN	216.49	216.29	216.57	216.33	217.12	216.30	216.57	216.76	216.58	216.55	216.50	216.83
MAX	216.97	216.46	218.08	216.45	218.07	216.85	217.02	218.06	216.78	217.13	217.80	219.70
MIN	216.06	216.08	216.01	216.23	216.38	215.79	216.13	216.37	216.31	216.23	215.88	215.92

02098197 B. EVERETT JORDAN LAKE AT DAM NEAR MONCURE, NC—Continued



02098198 HAW RIVER BELOW B. EVERETT JORDAN LAKE DAM NEAR MONCURE, NC

LOCATION.--Lat 35°39'07", long 79°04'02", Chatham County, Hydrologic Unit 0303002, on right bank 300 ft downstream from B. Everett Jordan Lake Dam, 2.5 mi north of Moncure, and 4.2 mi upstream from mouth.

DRAINAGE AREA.--1,689 mi^2.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--October 1965 to current year. Discharge records, October 1965 to September 1992. Gage height records only, October 1992 to current year. October 1965 to September 1978, published as "Haw River nr Haywood, NC" (02098200).

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

GAGE.--Water-stage recorder. Datum of gage is 155.00 ft above NGVD of 1929 (U.S. Corps of Engineers bench mark). Prior to Oct. 1, 1978, water-stage recorder at site 0.3 mi. downstream at same datum. U.S. Army Corps of Engineers satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum, 22.41 ft, Oct. 25, 1971 at site 0.3 mi downstream; minimum not determined.

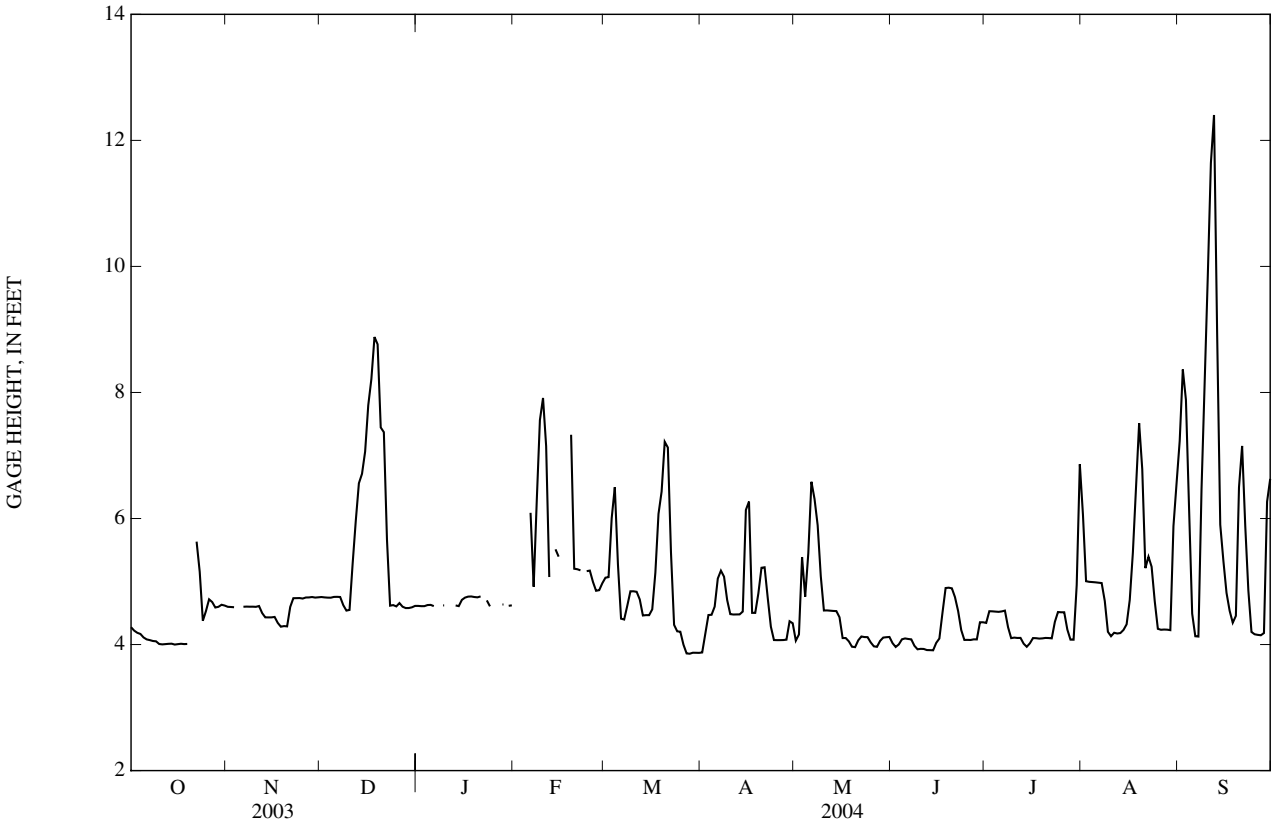
EXTREMES FOR CURRENT YEAR.--Maximum, 12.83 ft, Sep. 11; minimum, 3.28 ft, Apr. 30.

REMARKS.--Stage regulated by B. Everett Jordan Lake Dam (Station 02098197).

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.27	4.60	4.75	4.61	---	5.06	3.87	4.06	4.02	4.34	6.06	7.23
2	4.22	4.60	4.75	4.61	---	5.07	4.17	4.16	3.96	4.53	5.00	8.36
3	4.19	4.59	4.74	4.61	---	6.01	4.47	5.39	4.00	4.53	5.00	7.88
4	4.17	---	4.74	4.63	---	6.50	4.47	4.76	4.08	4.52	4.99	6.17
5	4.11	---	4.76	4.63	---	5.27	4.60	5.45	4.10	4.52	4.99	4.49
6	4.08	4.60	4.76	4.61	6.09	4.41	5.05	6.58	4.09	4.53	4.98	4.13
7	4.07	4.60	4.75	---	4.92	4.40	5.17	6.31	4.08	4.54	4.98	4.13
8	4.06	4.60	4.62	---	6.29	4.62	5.08	5.89	3.98	4.28	4.69	6.47
9	4.05	4.60	4.54	4.62	7.56	4.84	4.71	5.08	3.92	4.10	4.20	8.15
10	4.01	4.60	4.55	---	7.91	4.85	4.48	4.54	3.93	4.11	4.13	9.84
11	4.00	4.61	5.29	---	7.15	4.84	4.48	4.54	3.93	4.10	4.19	11.64
12	4.01	4.50	5.96	---	5.07	4.72	4.48	4.54	3.91	4.11	4.18	12.40
13	4.01	4.43	6.56	4.62	---	4.46	4.48	4.53	3.91	4.01	4.18	8.95
14	4.01	4.43	6.71	4.61	5.51	4.47	4.52	4.53	3.91	3.96	4.23	5.90
15	4.00	4.43	7.06	4.71	5.40	4.47	6.14	4.43	4.03	4.02	4.32	5.33
16	4.01	4.44	7.80	4.74	---	4.56	6.27	4.10	4.10	4.10	4.71	4.82
17	4.01	4.34	8.21	4.76	---	5.14	4.50	4.10	4.51	4.10	5.46	4.54
18	4.01	4.28	8.88	4.76	---	6.07	4.50	4.05	4.90	4.09	6.49	4.35
19	4.01	4.29	8.76	4.75	7.33	6.43	4.81	3.97	4.90	4.10	7.51	4.46
20	---	4.29	7.44	4.75	5.20	7.22	5.22	3.96	4.89	4.11	6.78	6.50
21	---	4.60	7.37	4.76	5.19	7.13	5.23	4.07	4.75	4.10	5.21	7.15
22	5.63	4.74	5.67	---	5.18	5.46	4.74	4.13	4.53	4.10	5.39	5.89
23	5.15	4.74	4.62	4.70	---	4.31	4.28	4.12	4.23	4.36	5.23	4.86
24	4.38	4.74	4.63	4.61	5.16	4.21	4.07	4.12	4.07	4.52	4.69	4.20
25	4.53	4.73	4.61	---	5.17	4.20	4.07	4.03	4.07	4.51	4.25	4.16
26	4.72	4.75	4.66	---	5.00	4.00	4.07	3.97	4.07	4.51	4.23	4.15
27	4.67	4.75	4.60	---	4.85	3.86	4.07	3.96	4.08	4.24	4.24	4.15
28	4.59	4.75	4.58	4.64	4.86	3.85	4.08	4.06	4.08	4.08	4.24	4.18
29	4.60	4.75	4.58	---	4.97	3.87	4.37	4.11	4.35	4.08	4.23	6.27
30	4.63	4.75	4.59	4.61	---	3.87	4.34	4.12	4.35	4.95	5.88	6.63
31	4.62	---	4.61	4.62	---	3.87	---	4.12	---	6.86	6.56	---
MEAN	---	---	5.62	---	---	4.90	4.63	4.51	4.19	4.36	5.01	6.25
MAX	---	---	8.88	---	---	7.22	6.27	6.58	4.90	6.86	7.51	12.40
MIN	---	---	4.54	---	---	3.85	3.87	3.96	3.91	3.96	4.13	4.13

02098198 HAW RIVER BELOW B. EVERETT JORDAN LAKE DAM NEAR MONCURE, NC—Continued



02098198 HAW RIVER BELOW B. EVERETT JORDAN DAM NEAR MONCURE, NC—Continued

PRECIPITATION RECORDS

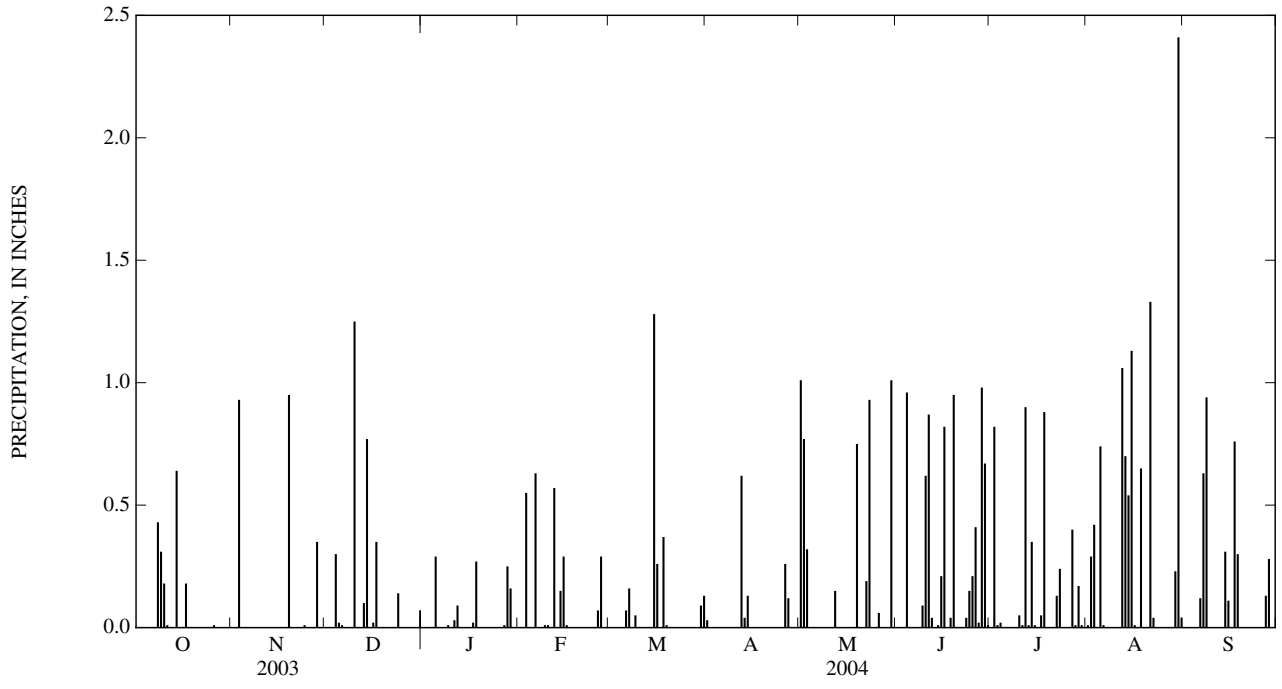
PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Tipping-bucket raingage and data collection platform. Satellite telemetry at station.

REMARKS.--Record poor. Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.03	1.01	0.00	0.00	0.01	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.00	0.82	0.29	0.00
3	0.00	0.93	0.00	0.00	0.55	0.00	0.00	0.32	0.00	0.01	0.42	0.00
4	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.96	0.02	0.00	0.00
5	0.00	0.00	0.02	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.74	0.00
6	0.00	0.00	0.01	0.00	0.63	0.07	0.00	0.00	0.00	0.00	0.01	0.12
7	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.63
8	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.94
9	0.31	0.00	0.00	0.01	0.01	0.05	0.00	0.00	0.09	0.00	0.00	0.00
10	0.18	0.00	1.25	0.00	0.01	0.00	0.00	0.00	0.62	0.05	0.00	0.00
11	0.01	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.87	0.01	0.00	0.00
12	0.00	0.00	0.00	0.09	0.57	0.00	0.62	0.15	0.04	0.90	1.06	0.00
13	0.00	0.00	0.10	0.00	0.00	0.00	0.04	0.00	0.00	0.01	0.70	0.00
14	0.64	0.00	0.77	0.00	0.15	0.00	0.13	0.00	0.01	0.35	0.54	0.31
15	0.00	0.00	0.00	0.00	0.29	1.28	0.00	0.00	0.21	0.01	1.13	0.11
16	0.00	0.00	0.02	0.00	0.01	0.26	0.00	0.00	0.82	0.00	0.01	0.00
17	0.18	0.00	0.35	0.02	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.76
18	0.00	0.00	0.00	0.27	---	0.37	0.00	0.00	0.04	0.88	0.65	0.30
19	0.00	0.95	0.00	0.00	---	0.01	0.00	0.75	0.95	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	1.33	0.00
22	0.00	0.00	0.00	0.00	---	0.00	0.00	0.19	0.00	0.13	0.04	0.00
23	0.00	0.00	0.00	0.00	---	0.00	0.00	0.93	0.04	0.24	0.00	0.00
24	0.00	0.01	0.14	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00
26	0.01	0.00	0.00	0.00	0.07	0.00	0.26	0.06	0.41	0.00	0.00	0.00
27	0.00	0.00	0.00	0.01	0.29	0.00	0.12	0.00	0.02	0.40	0.00	0.13
28	0.00	0.35	0.00	0.25	0.00	0.00	0.00	0.00	0.98	0.01	0.00	0.28
29	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.67	0.17	0.23	0.00
30	0.00	0.00	0.00	0.00	---	0.09	0.00	1.01	0.01	0.01	2.41	0.00
31	0.00	---	0.00	0.00	---	0.13	---	0.00	---	0.00	0.04	---
TOTAL	1.76	2.24	2.96	1.13	---	2.42	1.20	5.19	7.10	4.07	9.61	3.58



02098198 HAW RIVER BELOW B. EVERETT JORDAN DAM NEAR MONCURE, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1973-75, 1980-86, 1989-1995, 2004.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1973 to September 1975, April 1980 to September 1984.
WATER TEMPERATURE: July 1973 to September 1975, April 1980 to September 1984.

INSTRUMENTATION.--Water-quality monitor from October 1981 to September 1984.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment. Instantaneous discharge values were obtained from the U.S. Army Corps of Engineers. These discharge values are based on the 2400 release from the B. Everett Jordan Lake.

COOPERATION.--Samples for October 1994 and April 1995 were collected by the North Carolina Department of Environment, Health and Natural Resources. A GC/FID scan for trace organic compounds was performed on these samples by the U.S. Geological Survey National Water Quality Lab. Results may be obtained from the District office in Raleigh.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 572 microsiemens, Nov. 11, 1973; minimum daily, 23 microsiemens, July 29, 1982.
WATER TEMPERATURE: Maximum daily, 33.0°C, Aug. 8, 1980; minimum daily, 1.0°C, Dec. 27, 29, 1980, Jan. 5, 6, 13-18, 1981.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Color, water, fltrd, Pt-Co units (00080)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
SEP 09...	0900	150	754	8.7	104	7.0	110	23.9	26	6.21	2.55	3.95	10.0

Date	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Bicar-bonate, wat unf incrm. titr., field, mg/L (00450)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)
SEP 09...	26	32	8.05	<.2	10.3	9.1	85	.93	.101	.544	.009	.067	.23

Date	Organic carbon, water, unfltrd mg/L (00680)	Alum-inum, water, unfltrd recover-able, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Cobalt water, unfltrd recover-able, ug/L (01037)	Copper, water, unfltrd recover-able, ug/L (01042)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, unfltrd recover-able, ug/L (01051)	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Mercury water, unfltrd recover-able, ug/L (71900)	Molyb-denum, water, unfltrd recover-able, ug/L (01062)	Nickel, water, unfltrd recover-able, ug/L (01067)
SEP 09...	14.1	899	E1	.05	1.6	1.49	4.5	1,670	1.95	249	<.02	1.2	1.83

Date	Selen-ium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover-able, ug/L (01077)	Zinc, water, unfltrd recover-able, ug/L (01092)	Sus-pended sedi-ment concen-tration mg/L (80154)
SEP 09...	<.4	<.16	9	59

Remark codes used in this table:
< -- Less than
E -- Estimated value

02099000 EAST FORK DEEP RIVER NEAR HIGH POINT, NC

LOCATION.--Lat 36°02'14", long 79°56'44", Guilford County, Hydrologic Unit 03030003, on right bank on downstream side of culvert on Secondary Road 1541, 3.3 mi upstream from High Point Dam, and 5.2 mi northeast of High Point College, High Point.

DRAINAGE AREA.--14.8 mi^2.

PERIOD OF RECORD.--July 1928 to March 1994, October 1997 to current year.

REVISED RECORDS.--WSP 1723: 1929(M). WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 764.02 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Maximum discharge, 6,300 ft^3/s, gage height, 10.87 ft, from floodmark, from rating curve extended above 1,600 ft^3/s on basis of contracted-opening measurement of peak flow. Minimum discharge for period of record also occurred on Aug. 8, 2002.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.0	7.6	7.8	7.1	8.3	23	11	4.4	3.0	3.2	6.7	5.2
2	8.1	6.5	7.0	7.0	6.7	17	6.0	9.9	2.4	2.9	8.8	4.2
3	7.5	7.1	9.5	6.9	75	15	5.3	34	2.4	3.2	23	3.2
4	7.5	5.9	12	7.1	28	11	4.6	10	42	9.0	15	1.9
5	7.4	6.2	36	9.3	15	11	4.3	6.6	19	11	8.6	2.0
6	7.1	14	16	10	85	27	4.4	6.3	7.1	4.0	6.8	4.3
7	6.5	16	10	6.5	65	18	4.6	5.9	4.9	2.8	5.6	16
8	6.7	9.1	8.0	6.2	25	9.9	5.1	5.3	4.6	10	5.5	461
9	17	7.5	8.7	10	15	8.1	4.5	4.8	5.0	17	5.8	59
10	18	6.6	79	9.7	13	8.9	4.3	5.2	3.6	8.4	6.0	23
11	17	6.3	58	e7.3	11	7.2	4.6	4.0	3.3	22	5.5	16
12	10	6.3	22	7.4	21	6.5	125	6.8	3.0	5.1	11	10
13	8.2	5.5	15	7.5	17	6.2	112	11	3.2	3.5	25	7.6
14	8.0	5.1	102	6.5	11	5.4	42	7.3	3.9	5.1	72	5.4
15	11	5.4	57	6.4	15	8.9	19	3.7	4.7	2.5	24	5.1
16	7.3	6.1	38	5.8	32	42	13	3.1	11	1.8	12	4.6
17	7.0	6.4	64	5.6	20	27	11	3.0	4.4	142	8.2	119
18	6.9	6.3	35	11	16	17	8.2	3.1	3.3	511	9.0	57
19	6.7	68	20	8.1	17	14	7.1	5.4	3.7	40	6.6	18
20	6.5	31	15	6.0	12	9.7	6.2	8.6	4.4	22	5.2	11
21	7.0	13	12	5.6	11	8.5	5.7	3.8	2.7	12	4.5	11
22	7.1	9.5	12	5.6	9.0	6.8	5.1	20	2.8	7.9	4.7	8.5
23	6.9	8.2	11	5.3	7.9	5.9	4.8	9.6	2.7	6.9	4.4	7.6
24	7.0	8.9	12	5.3	7.9	5.6	4.7	12	4.5	5.4	4.1	4.9
25	7.0	8.9	9.4	e6.0	7.4	5.7	4.5	4.7	2.9	4.5	3.8	4.3
26	8.4	7.3	8.1	e6.5	7.9	5.8	12	3.6	28	4.9	3.4	4.2
27	17	7.2	7.8	e7.0	19	5.9	14	5.7	17	48	3.4	100
28	14	17	7.6	9.5	29	6.8	5.4	3.3	9.5	63	3.6	662
29	39	21	7.6	14	36	4.9	4.6	2.8	5.6	33	4.1	47
30	12	9.1	12	20	---	6.2	4.2	9.3	3.5	26	6.1	23
31	8.0	---	8.4	17	---	8.9	---	4.4	---	9.7	10	---
TOTAL	316.8	343.0	727.9	253.2	643.1	363.8	467.2	227.6	218.1	1,047.8	322.4	1,706.0
MEAN	10.2	11.4	23.5	8.17	22.2	11.7	15.6	7.34	7.27	33.8	10.4	56.9
MAX	39	68	102	20	85	42	125	34	42	511	72	662
MIN	6.5	5.1	7.0	5.3	6.7	4.9	4.2	2.8	2.4	1.8	3.4	1.9
CFSM	0.69	0.77	1.59	0.55	1.50	0.79	1.05	0.50	0.49	2.28	0.70	3.84
IN.	0.80	0.86	1.83	0.64	1.62	0.91	1.17	0.57	0.55	2.63	0.81	4.29

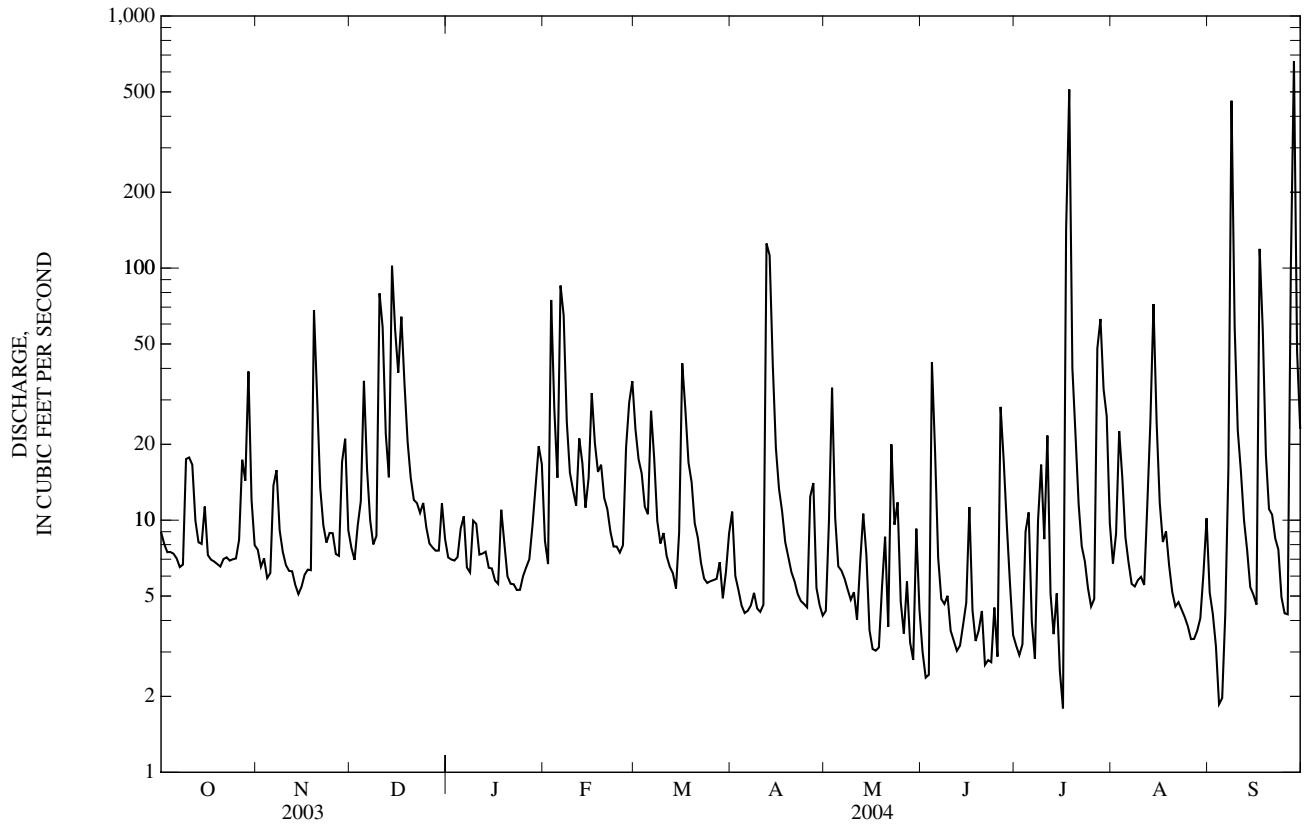
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004,@ BY WATER YEAR (WY)

MEAN	12.1	11.9	16.5	24.2	27.6	26.8	21.4	15.6	12.6	13.0	12.8	15.6
MAX	79.5	39.2	48.6	82.9	83.0	106	71.6	58.8	61.5	97.5	55.9	124
(WY)	(1960)	(1980)	(1933)	(1978)	(1979)	(1975)	(1987)	(1978)	(1969)	(1975)	(1949)	(2000)
MIN	1.88	2.35	3.53	4.32	6.48	6.76	5.52	4.57	3.41	2.93	2.87	1.74
(WY)	(1942)	(1942)	(1942)	(1942)	(1931)	(1967)	(1942)	(1941)	(1986)	(1977)	(1941)	(1954)

02099000 EAST FORK DEEP RIVER NEAR HIGH POINT, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004[@]	
ANNUAL TOTAL	12,769.2		6,636.9			
ANNUAL MEAN	35.0		18.1		17.4	
HIGHEST ANNUAL MEAN					40.4	2003
LOWEST ANNUAL MEAN					7.28	1967
HIGHEST DAILY MEAN	896	Mar 20	662	Sep 28	1,670	Sep 24, 1947
LOWEST DAILY MEAN	5.1	Nov 14	1.8	Jul 16	0.61	Aug 8, 2002
ANNUAL SEVEN-DAY MINIMUM	5.9	Nov 11	3.4	Jun 19	0.65	Aug 7, 2002
MAXIMUM PEAK FLOW			2,230	Jul 18	6300*	Sep 24, 1947
MAXIMUM PEAK STAGE			13.21	Jul 18	13.46	Sep 23, 2003
INSTANTANEOUS LOW FLOW			1.5	Jul 17	0.41*	Aug 7, 2002
ANNUAL RUNOFF (CFSM)	2.36		1.23		1.18	
ANNUAL RUNOFF (INCHES)	32.10		16.68		16.01	
10 PERCENT EXCEEDS	69		30		26	
50 PERCENT EXCEEDS	15		7.6		7.1	
90 PERCENT EXCEEDS	7.1		3.9		3.6	

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



02099500 DEEP RIVER NEAR RANDLEMAN, NC

LOCATION.--Lat 35°54'13", long 79°51'10", Randolph County, Hydrologic Unit 03030003, on left bank 500 ft downstream of bridge on Secondary Road 1929, 0.2 mi downstream of Coltranés Mill, 0.5 mi south of Guilford County line, 4.8 mi upstream from Muddy Creek, and 7 mi north of Randleman.

DRAINAGE AREA.--125 mi^2.

PERIOD OF RECORD.--October 1928 to September 2004 (discontinued).

REVISED RECORDS.--WSP 782: 1929-30. WSP 1383: 1934-35, 1941. WSP 1723: 1929(M). WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 638.11 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Diurnal fluctuation at times during periods of low flow caused by Coltranés Mill. Some regulation by Oak Hollow Reservoir (station 02098495) and High Point Lake (station 02099096). City of High Point diverted an average of 21.1 ft^3/s for municipal water supply, 21.2 ft^3/s was discharged as treated effluent into Richland Creek upstream from station and 6.2 ft^3/s into Rich Fork Creek in Pee Dee River basin. Maximum discharge for period of record from rating curve extended above 7,100 ft^3/s on basis of contracted-opening measurement of peak flow at bridge 1.5 mi upstream; maximum gage height for period of record from floodmarks. Minimum discharge for current water year also occurred July 17, Sept. 4, 5, 6.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	66	56	65	78	392	193	51	31	44	50	30
2	78	60	52	60	66	353	101	59	29	33	111	26
3	75	57	50	60	471	236	81	126	27	70	67	24
4	68	55	48	60	247	158	72	94	137	124	48	23
5	66	55	96	63	134	129	67	62	71	316	38	22
6	65	56	93	82	243	151	61	53	39	60	51	23
7	67	99	76	64	812	175	58	50	39	42	31	48
8	63	84	68	63	302	127	59	48	45	35	27	2,860
9	69	66	64	64	175	103	58	47	50	34	25	1,820
10	81	57	178	75	140	95	56	45	33	30	26	308
11	82	54	510	63	117	86	59	50	29	38	25	135
12	70	51	179	59	143	78	296	44	27	40	26	86
13	60	49	113	64	163	74	677	39	26	32	47	65
14	58	51	699	61	122	74	560	46	28	28	404	64
15	81	48	451	59	117	82	231	37	36	28	179	69
16	58	44	276	59	245	134	143	33	32	24	98	100
17	53	45	373	56	188	203	102	35	41	23	55	487
18	49	45	379	65	140	206	86	31	31	1,150	48	575
19	46	148	117	73	129	189	79	44	28	231	40	168
20	45	204	98	60	112	121	74	42	27	89	33	87
21	44	101	99	53	104	100	69	35	25	56	30	66
22	44	71	86	52	97	90	63	33	25	44	27	56
23	41	61	81	53	84	79	59	32	32	38	26	50
24	40	57	81	54	81	73	53	32	60	32	27	46
25	40	57	78	53	78	71	50	31	31	27	26	43
26	43	53	69	58	73	70	61	30	137	26	24	39
27	71	49	67	60	106	70	94	42	61	62	23	75
28	61	50	65	58	152	69	68	34	68	265	24	4,490
29	237	81	63	72	294	67	59	28	96	260	24	1,300
30	132	69	70	92	---	64	55	39	62	185	39	307
31	83	---	71	112	---	77	---	38	---	75	43	---
TOTAL	2,150	2,043	4,806	1,992	5,213	3,996	3,744	1,410	1,403	3,541	1,742	13,492
MEAN	69.4	68.1	155	64.3	180	129	125	45.5	46.8	114	56.2	450
MAX	237	204	699	112	812	392	677	126	137	1,150	404	4,490
MIN	40	44	48	52	66	64	50	28	25	23	23	22
CFSM	0.55	0.54	1.24	0.51	1.44	1.03	1.00	0.36	0.37	0.91	0.45	3.60
IN.	0.64	0.61	1.43	0.59	1.55	1.19	1.11	0.42	0.42	1.05	0.52	4.02

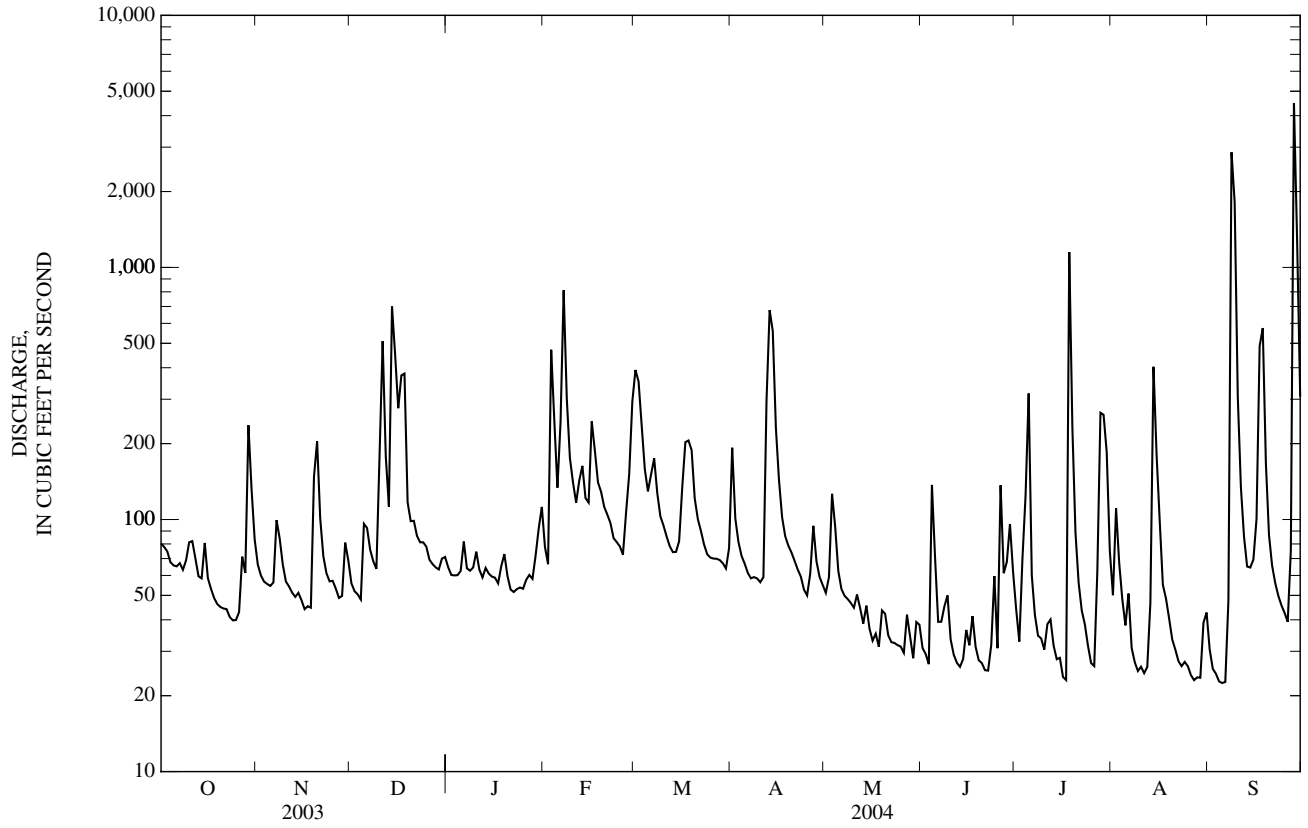
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

MEAN	78.6	81.8	126	195	227	227	178	106	79.7	81.4	76.6	96.0
MAX	474	354	389	645	584	697	565	445	373	465	328	831
(WY)	(1991)	(1986)	(1933)	(1937)	(1960)	(1975)	(2003)	(1978)	(2003)	(1975)	(2003)	(1996)
MIN	5.78	9.56	16.8	15.8	38.7	54.4	27.6	23.5	16.7	17.2	17.1	10.5
(WY)	(1931)	(1932)	(1934)	(1942)	(1986)	(1967)	(1985)	(1977)	(1933)	(1947)	(1945)	(1941)

02099500 DEEP RIVER NEAR RANDLEMAN, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL TOTAL	108,383		45,532			
ANNUAL MEAN	297		124		129	
HIGHEST ANNUAL MEAN					342	2003
LOWEST ANNUAL MEAN					42.8	2002
HIGHEST DAILY MEAN	5,330	Sep 23	4,490	Sep 28	12,000	Sep 25, 1947
LOWEST DAILY MEAN	40	Oct 24	22	Sep 5	1.2	Nov 12, 1933
ANNUAL SEVEN-DAY MINIMUM	42	Oct 20	25	Aug 23	3.9	Sep 30, 1930
MAXIMUM PEAK FLOW			6,560	Sep 8	20000*	Sep 25, 1947
MAXIMUM PEAK STAGE			21.35	Sep 8	32.20*	Sep 25, 1947
INSTANTANEOUS LOW FLOW			22*	Jul 16	0.50	Nov 28, 1931
ANNUAL RUNOFF (CFSM)	2.38		0.995		1.03	
ANNUAL RUNOFF (INCHES)	32.25		13.55		14.02	
10 PERCENT EXCEEDS	701		205		243	
50 PERCENT EXCEEDS	123		63		52	
90 PERCENT EXCEEDS	54		30		17	

* See REMARKS.



02100500 DEEP RIVER AT RAMSEUR, NC

LOCATION.--Lat 35°43'35", long 79°39'20", Randolph County, Hydrologic Unit 03030003, on right bank 0.2 mi downstream of Main Street bridge in Ramseur, 0.5 mi downstream of mill dam, and 1.5 mi downstream of Sandy Creek.

DRAINAGE AREA.--349 mi^2.

PERIOD OF RECORD.--November 1922 to current year.

REVISED RECORDS.--WSP 1032: 1923-24, 1925(M), 1926, 1927-28(M), 1929, 1930(M), 1932-33, 1934(M), 1935, 1936-37(M), 1944(M). WSP 1383: 1923(m), 1925, 1927, 1930, 1936. WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 419.50 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Flow slightly regulated by Oak Hollow Reservoir (station 02098495), High Point Municipal Lake (station 02099096), and small power plant reservoirs. Prior to January 1963, diurnal fluctuation caused by power plant immediately upstream from station. Town of Asheboro diverted an average of 7.3 ft^3/s from Yadkin River Basin for water supply and discharged an average of 7.1 ft^3/s of treated effluent upstream from the station. Maximum discharge for period of record from rating curve extended above 18,000 ft^3/s, on basis of slope-area measurement of peak flow; gage height, 34.04 ft. Minimum discharge for period of record occurred frequently in 1941. Minimum discharge for current water year also occurred Aug. 6, 14.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in August 1901 reached a stage of 28.75 ft, from floodmarks, 0.2 mi upstream; discharge, 30,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	187	180	159	162	248	999	419	158	79	281	142	93
2	170	156	140	153	195	1,270	406	199	81	212	110	65
3	166	145	126	150	896	799	262	718	73	99	160	51
4	159	136	127	151	891	510	220	434	125	213	122	45
5	152	130	134	159	427	400	207	267	333	648	89	41
6	147	134	203	216	350	344	193	194	178	321	50	41
7	145	171	192	193	2,130	383	185	164	113	154	73	58
8	148	207	136	163	836	346	180	155	87	112	56	2,840
9	159	172	146	141	474	279	178	146	130	86	48	4,400
10	177	144	154	167	367	259	173	108	132	76	42	2,200
11	209	125	893	168	312	242	168	140	90	73	41	339
12	209	134	474	153	342	226	214	133	73	72	44	196
13	177	131	291	155	528	201	1,050	111	76	79	75	147
14	153	113	1,130	160	390	209	1,480	86	70	71	355	118
15	170	105	1,200	156	313	205	629	134	78	56	674	110
16	183	116	589	149	520	266	408	120	91	57	255	112
17	151	113	465	144	515	549	300	76	103	53	155	188
18	139	108	752	157	399	426	250	73	117	779	102	1,400
19	122	130	441	207	345	610	223	82	89	645	92	455
20	121	430	271	179	312	411	218	104	77	224	79	224
21	118	285	234	150	291	319	208	95	84	134	62	146
22	119	178	199	140	267	263	189	91	65	96	74	116
23	123	151	198	137	237	248	169	93	65	49	58	108
24	113	134	206	139	238	218	166	74	230	68	49	66
25	110	143	206	142	218	194	167	104	194	59	50	75
26	112	135	185	148	199	204	145	79	139	51	43	77
27	122	127	164	152	245	205	189	77	278	48	41	92
28	167	126	159	155	310	203	204	74	169	169	37	5,440
29	448	181	159	159	556	193	171	78	305	345	36	4,390
30	445	192	159	235	---	197	157	268	231	656	62	2,430
31	235	---	166	260	---	220	---	148	---	235	99	---
TOTAL	5,356	4,732	10,058	5,100	13,351	11,398	9,128	4,783	3,955	6,221	3,375	26,063
MEAN	173	158	324	165	460	368	304	154	132	201	109	869
MAX	448	430	1,200	260	2,130	1,270	1,480	718	333	779	674	5,440
MIN	110	105	126	137	195	193	145	73	65	48	36	41
CFSM	0.50	0.45	0.93	0.47	1.32	1.05	0.87	0.44	0.38	0.58	0.31	2.49
IN.	0.57	0.50	1.07	0.54	1.42	1.21	0.97	0.51	0.42	0.66	0.36	2.78

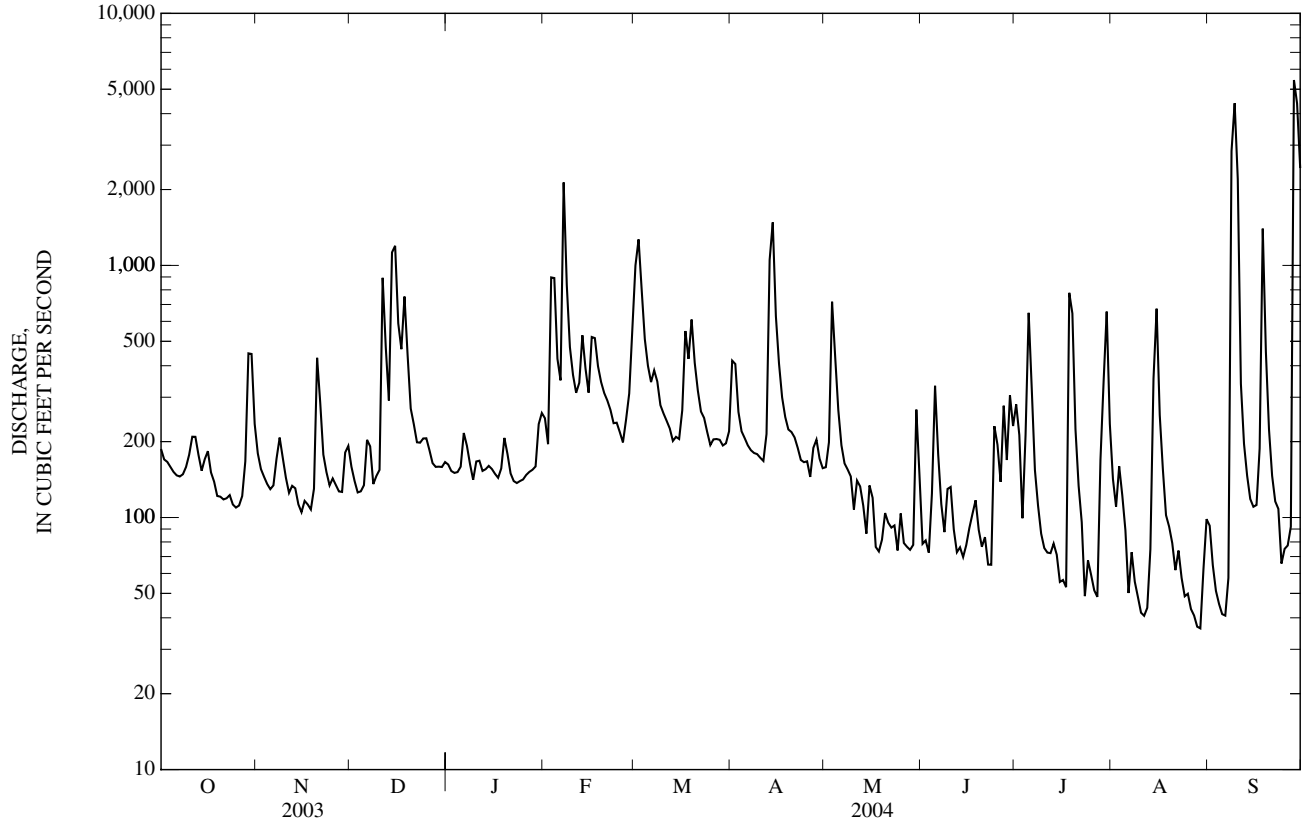
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2004, BY WATER YEAR (WY)

MEAN	212	216	343	545	647	646	499	290	217	221	206	257
MAX	1,193	1,237	1,050	1,660	1,642	1,842	1,493	944	978	1,434	896	1,934
(WY)	(1991)	(1986)	(1933)	(1937)	(1979)	(1975)	(2003)	(1978)	(1982)	(1975)	(1939)	(1928)
MIN	8.69	14.1	39.1	40.8	119	144	97.8	45.6	48.1	36.5	32.4	17.7
(WY)	(1942)	(1942)	(1934)	(1942)	(2002)	(1967)	(2002)	(2002)	(1933)	(1986)	(1956)	(1954)

02100500 DEEP RIVER AT RAMSEUR, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1923 - 2004	
ANNUAL TOTAL	263,406		103,520			
ANNUAL MEAN	722		283		357	
HIGHEST ANNUAL MEAN					875	2003
LOWEST ANNUAL MEAN					116	2002
HIGHEST DAILY MEAN	9,830	Apr 10	5,440	Sep 28	27,800	Sep 18, 1945
LOWEST DAILY MEAN	105	Nov 15	36	Aug 29	0.70	Nov 29, 1941
ANNUAL SEVEN-DAY MINIMUM	117	Oct 20	45	Aug 23	3.6	Oct 19, 1941
MAXIMUM PEAK FLOW			7,380	Sep 28	43000*	Sep 18, 1945
MAXIMUM PEAK STAGE			12.53	Sep 28	34.04*	Sep 18, 1945
INSTANTANEOUS LOW FLOW			31*	Aug 5	0.40*	May 27, 1941
ANNUAL RUNOFF (CFSM)	2.07		0.810		1.02	
ANNUAL RUNOFF (INCHES)	28.08		11.03		13.90	
10 PERCENT EXCEEDS	1,730		474		688	
50 PERCENT EXCEEDS	332		160		151	
90 PERCENT EXCEEDS	139		73		37	

* See REMARKS.



0210166029 ROCKY RIVER NEAR CRUTCHFIELD CROSSROADS, NC

LOCATION.--Lat 35°48'25", long 79°31'39", Chatham County, Hydrologic Unit 03030003, on right bank at downstream side of culvert on Secondary Road 1300, and 5.5 mi west of Crutchfield Crossroads.

DRAINAGE AREA.--7.42 mi^2.

REVISIONS.--WDR NC-98-1(M).

PERIOD OF RECORD.--May 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 620 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor. No flow occurred several days in Aug. 1988, July, Aug. 2002. Minimum discharge for current water year also occurred Aug. 27, Sept. 6.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	2.2	2.0	4.9	4.2	9.9	4.8	1.7	1.1	20	1.3	4.2
2	1.8	2.0	2.1	4.4	4.0	6.6	4.1	19	0.84	4.5	3.4	2.5
3	1.5	3.0	2.1	4.1	22	6.0	3.6	33	0.63	2.5	6.9	1.1
4	1.6	2.5	2.1	3.9	7.8	5.4	3.3	11	18	2.6	2.5	0.62
5	1.6	3.1	1.9	4.4	4.2	5.6	3.6	4.7	5.5	2.1	1.6	0.56
6	1.6	4.4	1.4	5.9	11	6.1	3.7	3.1	2.1	1.5	1.6	0.42
7	1.2	5.3	2.0	4.4	18	5.6	3.6	2.5	1.5	1.2	1.7	0.78
8	1.2	4.7	e2.2	4.1	5.0	4.6	3.6	2.1	1.1	1.0	1.2	88
9	1.9	3.8	2.1	3.9	4.3	4.4	3.6	1.9	1.1	0.92	1.0	31
10	1.5	3.1	13	4.3	3.9	4.7	3.5	1.8	1.0	0.93	0.99	5.0
11	2.0	2.6	16	3.7	4.4	5.0	3.5	1.6	0.84	0.79	0.92	2.6
12	e1.7	2.5	5.5	4.2	17	5.9	8.2	1.4	0.85	0.85	1.0	1.6
13	e1.5	1.8	4.3	4.4	11	6.1	13	1.3	0.60	0.88	2.7	0.78
14	e1.8	1.8	30	3.6	7.4	5.0	10	1.2	0.40	1.1	10	0.53
15	7.7	2.0	12	3.7	7.7	5.6	4.9	1.4	1.4	1.0	2.6	0.49
16	e3.0	1.9	6.3	3.4	12	8.5	4.5	1.5	0.76	0.75	2.5	0.52
17	2.2	2.2	9.0	3.1	8.0	14	4.0	1.4	2.2	0.72	1.6	17
18	e2.1	2.4	6.8	5.8	6.8	9.8	3.4	1.2	0.99	1.0	1.0	18
19	e2.1	4.5	5.2	4.8	5.2	9.7	2.9	1.0	3.5	1.4	0.79	3.5
20	e1.9	3.8	4.5	3.8	5.0	5.6	2.5	1.0	8.0	0.98	0.58	1.8
21	e1.8	1.9	4.2	3.4	6.0	6.8	2.2	0.92	1.6	0.81	0.51	1.0
22	e1.9	2.2	5.4	3.3	6.4	5.7	2.1	0.90	1.4	0.75	0.41	0.77
23	e1.8	2.3	6.3	3.5	6.2	4.4	2.1	0.94	1.1	0.69	0.35	0.59
24	e1.7	2.4	6.9	3.5	6.2	3.9	2.0	2.9	0.73	0.71	0.68	0.48
25	e2.0	2.4	7.9	2.8	6.0	3.7	1.9	1.3	1.6	0.68	0.53	0.43
26	e2.2	2.2	7.4	3.3	4.6	4.6	2.0	0.99	2.5	0.93	0.41	0.61
27	2.6	2.0	6.4	3.4	6.4	4.2	2.6	0.94	2.1	0.75	0.37	0.77
28	2.7	2.7	5.6	3.7	11	4.2	2.0	0.85	1.5	1.4	0.39	79
29	12	3.6	5.3	4.9	13	3.6	1.7	0.82	2.0	1.5	0.44	28
30	2.7	2.2	5.8	6.7	---	2.9	1.5	4.6	12	2.7	55	6.3
31	2.6	---	5.5	6.1	---	3.5	---	1.8	---	1.7	9.6	---
TOTAL	75.6	83.5	197.2	129.4	234.7	181.6	114.4	110.76	78.94	59.34	114.57	298.95
MEAN	2.44	2.78	6.36	4.17	8.09	5.86	3.81	3.57	2.63	1.91	3.70	9.96
MAX	12	5.3	30	6.7	22	14	13	33	18	20	55	88
MIN	1.2	1.8	1.4	2.8	3.9	2.9	1.5	0.82	0.40	0.68	0.35	0.42
CFSM	0.33	0.38	0.86	0.56	1.09	0.79	0.51	0.48	0.35	0.26	0.50	1.34
IN.	0.38	0.42	0.99	0.65	1.18	0.91	0.57	0.56	0.40	0.30	0.57	1.50

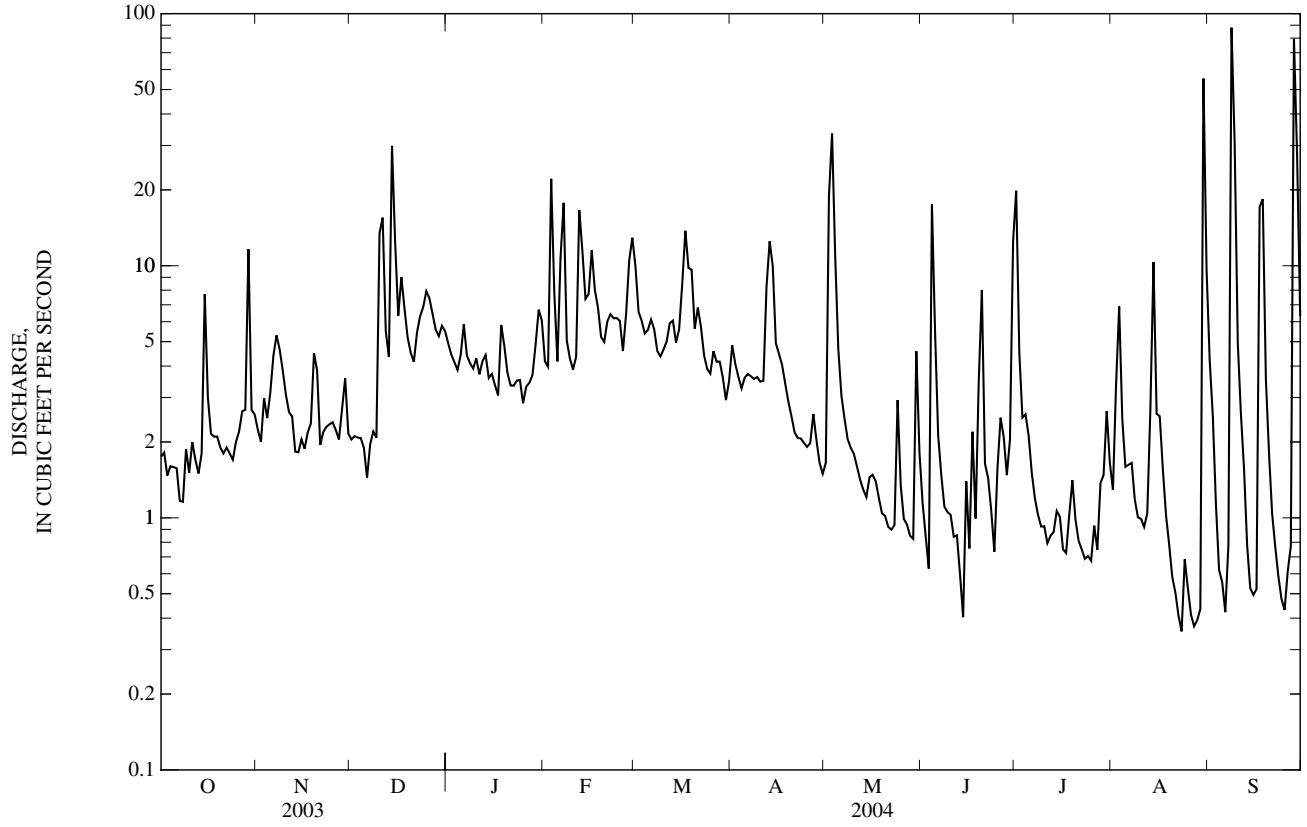
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	5.77	4.99	6.06	12.6	13.1	16.7	10.4	5.49	3.87	3.58	3.44	5.45
MAX	18.7	18.2	25.3	37.3	32.9	42.4	36.9	19.2	20.5	14.8	28.7	23.7
(WY)	(2003)	(1996)	(2003)	(1998)	(1998)	(2003)	(2003)	(1990)	(1995)	(1989)	(2003)	(1996)
MIN	0.28	0.17	0.46	2.33	2.26	4.46	1.80	0.54	0.37	0.10	0.33	0.25
(WY)	(1999)	(2002)	(2002)	(2001)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(1998)	(2001)

0210166029 ROCKY RIVER NEAR CRUTCHFIELD CROSSROADS, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL TOTAL	6,084.12		1,678.96			
ANNUAL MEAN	16.7		4.59		7.67	
HIGHEST ANNUAL MEAN					20.5	2003
LOWEST ANNUAL MEAN					2.06	2002
HIGHEST DAILY MEAN	425	Mar 20	88	Sep 8	531	Sep 6, 1996
LOWEST DAILY MEAN	0.33	Sep 17	0.35	Aug 23	0.00	Aug 20, 1988
ANNUAL SEVEN-DAY MINIMUM	0.48	Sep 11	0.45	Aug 22	0.00	Jul 17, 2002
MAXIMUM PEAK FLOW			158	Aug 30	1,670	Sep 6, 1996
MAXIMUM PEAK STAGE			4.37	Aug 30	11.91	Sep 6, 1996
INSTANTANEOUS LOW FLOW			0.31*	Aug 23	0.00*	Aug 19, 1988
ANNUAL RUNOFF (CFSM)	2.25		0.618		1.03	
ANNUAL RUNOFF (INCHES)	30.50		8.42		14.04	
10 PERCENT EXCEEDS	44		8.3		14	
50 PERCENT EXCEEDS	4.1		2.6		2.3	
90 PERCENT EXCEEDS	1.7		0.79		0.32	

* See REMARKS.
e Estimated.



02101800 TICK CREEK NEAR MOUNT VERNON SPRINGS, NC

LOCATION.--Lat 35°39'35", long 79°24'06", Chatham County, Hydrologic Unit 03030003, on right bank 200 ft upstream from bridge on U.S. Highway 421, 1.5 mi east of Mount Vernon Springs, and 4 mi upstream from mouth.

DRAINAGE AREA.--15.5 mi^2

PERIOD OF RECORD.--June 1958 to September 1981, January 1994 to current year.

GAGE.--Water-stage recorder and v-notch sharp-crested weir. Datum of gage is 455 ft above NGVD of 1929, by barometer. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Maximum discharge for period of record from rating curve extended above 2,200 ft^3/s, on basis of contracted-opening measurement of peak flow. No flow occurs at times most years. Minimum discharge for current water year also occurred Aug. 10, 11, 12.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	2.4	2.6	5.0	8.9	11	13	5.4	1.3	1.2	0.14	8.3
2	2.3	2.2	2.4	5.0	7.6	9.5	8.2	119	0.98	0.90	0.11	6.0
3	2.2	2.0	1.9	5.0	61	8.8	6.5	86	0.74	0.68	0.16	3.4
4	2.2	2.0	2.1	5.1	26	7.9	5.9	22	0.79	0.55	0.16	2.4
5	2.4	2.0	5.5	6.0	14	7.5	5.3	10	1.6	0.42	0.09	2.1
6	2.0	2.5	4.4	9.0	21	7.5	5.0	6.7	1.1	0.32	0.04	2.5
7	2.1	6.4	3.4	5.8	54	7.3	4.9	5.0	0.96	0.28	0.02	4.9
8	2.2	3.7	2.9	5.0	19	7.7	4.9	3.9	0.82	0.29	0.02	372
9	3.5	3.1	2.7	5.5	13	6.6	4.8	3.3	0.64	0.26	0.01	46
10	3.1	2.5	65	6.0	11	6.2	4.2	2.9	0.55	0.22	0.01	14
11	4.2	2.4	76	5.5	10	5.9	4.3	2.4	0.48	0.33	0.01	8.0
12	3.6	2.2	18	5.7	39	5.6	11	2.2	0.47	0.57	0.01	5.5
13	3.0	2.5	11	6.6	32	5.4	19	2.0	0.56	0.21	0.36	4.2
14	3.7	2.1	75	5.7	19	5.1	16	1.8	0.52	0.19	9.4	3.8
15	8.0	2.0	33	5.6	21	7.8	9.5	1.5	0.55	0.22	2.9	3.6
16	3.3	2.0	18	5.0	26	21	6.9	1.3	0.37	0.18	2.1	3.4
17	2.7	2.2	23	4.7	16	43	5.7	1.1	0.53	0.15	0.90	7.8
18	2.8	2.4	19	9.3	13	20	5.0	1.0	0.46	0.20	0.54	19
19	2.8	13	13	8.9	11	28	4.4	0.97	0.44	0.24	1.7	7.8
20	2.6	11	10	6.4	10	14	3.9	0.90	0.67	0.22	0.99	4.2
21	2.6	5.0	8.6	5.5	9.6	12	3.6	1.00	0.42	0.12	2.4	3.3
22	2.6	3.8	7.9	5.5	7.9	8.8	3.3	0.82	0.37	0.08	34	2.9
23	2.3	3.2	7.5	5.4	7.2	7.5	3.0	0.81	0.41	0.07	3.1	2.6
24	2.2	3.2	8.6	5.1	7.3	6.9	2.7	1.5	0.32	0.07	1.4	2.3
25	3.0	2.8	8.0	5.1	7.0	6.4	2.5	1.4	1.2	0.06	1.0	2.3
26	3.1	2.5	6.6	5.7	6.5	6.1	2.6	1.3	3.6	0.05	0.76	1.9
27	4.6	2.4	6.2	5.5	8.5	6.4	3.9	1.1	2.3	0.06	0.47	2.3
28	4.1	2.6	5.8	5.7	13	5.7	2.9	1.0	3.1	0.07	0.30	135
29	16	3.3	5.7	7.2	16	5.4	2.4	0.93	9.3	0.09	0.27	31
30	5.4	2.7	5.6	13	---	5.3	2.2	8.2	2.1	0.40	258	12
31	3.1	---	5.2	14	---	6.7	---	2.4	---	0.24	24	---
TOTAL	110.1	102.1	464.6	198.5	515.5	313.0	177.5	299.83	37.65	8.94	345.37	724.5
MEAN	3.55	3.40	15.0	6.40	17.8	10.1	5.92	9.67	1.25	0.29	11.1	24.1
MAX	16	13	76	14	61	43	19	119	9.3	1.2	258	372
MIN	2.0	2.0	1.9	4.7	6.5	5.1	2.2	0.81	0.32	0.05	0.01	1.9
CFSM	0.23	0.22	0.97	0.41	1.15	0.65	0.38	0.62	0.08	0.02	0.72	1.56
IN.	0.26	0.25	1.12	0.48	1.24	0.75	0.43	0.72	0.09	0.02	0.83	1.74

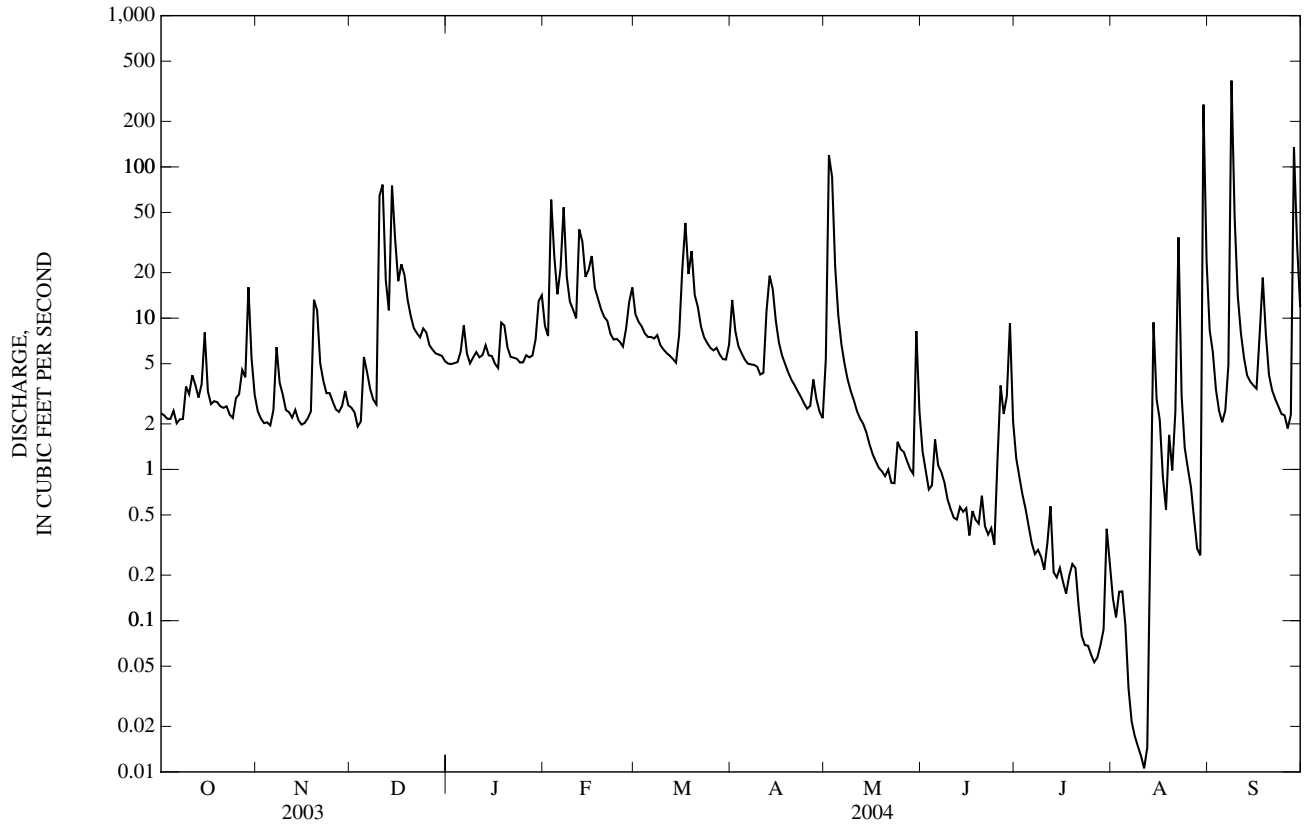
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2004,@ BY WATER YEAR (WY)

MEAN	7.63	6.71	11.5	25.1	31.6	29.9	18.5	9.31	7.21	8.16	7.81	7.76
MAX	56.6	33.0	53.4	80.4	81.0	74.8	67.1	39.1	48.0	66.6	55.3	75.2
(WY)	(1972)	(1980)	(1973)	(1978)	(1960)	(1998)	(2003)	(1978)	(1973)	(1975)	(1964)	(1996)
MIN	0.00	0.16	0.59	1.27	5.11	4.80	2.45	0.38	0.02	0.04	0.00	0.00
(WY)	(1964)	(1974)	(2002)	(1981)	(2001)	(1981)	(1981)	(2002)	(2002)	(2002)	(1977)	(1980)

02101800 TICK CREEK NEAR MOUNT VERNON SPRINGS, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1958 - 2004[@]	
ANNUAL TOTAL	9,360.9		3,297.59			
ANNUAL MEAN	25.6		9.01		14.4	
HIGHEST ANNUAL MEAN					29.5	2003
LOWEST ANNUAL MEAN					3.84	1981
HIGHEST DAILY MEAN	895	Apr 10	372	Sep 8	1,570	Sep 6, 1996
LOWEST DAILY MEAN	1.3	Sep 13	0.01	Aug 9	0.00	Sep 2, 1962
ANNUAL SEVEN-DAY MINIMUM	1.5	Sep 11	0.02	Aug 6	0.00	Sep 2, 1962
MAXIMUM PEAK FLOW			1,050	Sep 8	4010*	Sep 6, 1996
MAXIMUM PEAK STAGE			6.49	Sep 8	13.41	Sep 6, 1996
INSTANTANEOUS LOW FLOW			0.01*	Aug 9	0.00*	Sep 2, 1962
ANNUAL RUNOFF (CFSM)	1.65		0.581		0.927	
ANNUAL RUNOFF (INCHES)	22.47		7.91		12.60	
10 PERCENT EXCEEDS	43		16		26	
50 PERCENT EXCEEDS	6.4		3.6		3.7	
90 PERCENT EXCEEDS	2.3		0.31		0.11	

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



02102000 DEEP RIVER AT MONCURE, NC

LOCATION.--Lat 35°37'37", long 79°06'58", Lee County, Hydrologic Unit 03030003, on right bank 1.0 mi upstream from Lockville Dam, 1.2 mi upstream from bridge on U.S. Highway 1, 1.5 mi northwest of Moncure, 2.2 mi downstream of Rocky River, and 4.5 mi upstream from confluence with Haw River.

DRAINAGE AREA.--1,434 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1930 to current year. Records for May 1898 to December 1899 published in 21st Annual Report, Part 4, and in Bulletins 34 and 39 of North Carolina Department of Conservation and Development have been found to be unreliable and should not be used.

REVISED RECORDS.--WSP 1082: (1930-46 not previously published). WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 185.06 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Diurnal fluctuation and some regulation at low flow caused by small power plants upstream from station. Minimum discharge for current water year, due to regulation.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	524	873	585	561	1,200	3,210	878	495	683	899	673	2,740
2	458	596	535	499	912	3,350	1,050	1,910	375	605	418	1,030
3	e402	510	425	527	1,660	3,050	1,280	6,880	235	649	381	694
4	396	451	405	518	3,860	2,230	958	4,460	306	447	452	387
5	385	408	504	541	2,850	1,670	752	2,090	499	317	360	229
6	425	423	586	593	1,700	1,340	658	1,230	340	392	290	219
7	325	425	624	739	4,450	1,190	635	833	447	706	213	294
8	309	502	749	766	5,450	1,070	557	561	334	404	157	9,980
9	402	487	532	629	2,660	1,090	509	490	265	261	127	13,000
10	367	581	619	575	1,700	935	503	500	247	201	113	9,100
11	401	521	4,950	555	1,330	821	501	413	330	224	111	3,840
12	470	459	3,470	546	1,590	769	578	335	334	299	105	1,340
13	559	400	1,990	554	4,070	729	962	374	248	380	185	710
14	537	388	2,940	554	2,980	704	2,070	307	207	222	1,070	506
15	504	472	4,910	545	2,260	585	2,790	312	184	199	2,050	440
16	679	308	3,490	512	2,800	2,110	1,760	266	200	176	2,080	368
17	601	348	2,160	616	2,860	3,090	1,170	274	262	144	963	354
18	399	e450	2,150	385	2,220	2,640	905	346	238	140	584	914
19	402	e625	2,160	632	1,780	2,400	728	169	263	142	358	2,350
20	379	e825	1,620	817	1,450	2,260	635	203	254	968	269	1,360
21	321	e1,100	1,150	711	1,270	1,720	542	204	216	534	249	722
22	308	975	907	614	1,100	1,290	570	205	192	324	2,540	478
23	307	674	765	541	954	1,050	540	264	204	230	1,070	384
24	302	522	795	402	904	880	445	312	180	175	469	289
25	292	543	773	489	827	803	425	660	196	142	272	258
26	290	357	777	498	796	756	433	381	354	117	189	225
27	293	383	716	509	828	610	466	194	533	107	164	186
28	322	403	644	524	1,280	661	476	224	515	201	144	1,050
29	663	413	533	625	2,550	707	371	199	621	224	137	9,720
30	1,690	421	576	579	---	673	439	481	911	649	7,560	8,000
31	1,470	---	558	994	---	644	---	731	---	794	e7,400	---
TOTAL	15,182	15,843	43,598	18,150	60,291	45,037	24,586	26,303	10,173	11,272	31,153	71,167
MEAN	490	528	1,406	585	2,079	1,453	820	848	339	364	1,005	2,372
MAX	1,690	1,100	4,950	994	5,450	3,350	2,790	6,880	911	968	7,560	13,000
MIN	290	308	405	385	796	585	371	169	180	107	105	186
CFSM	0.34	0.37	0.98	0.41	1.45	1.01	0.57	0.59	0.24	0.25	0.70	1.65
IN.	0.39	0.41	1.13	0.47	1.56	1.17	0.64	0.68	0.26	0.29	0.81	1.85

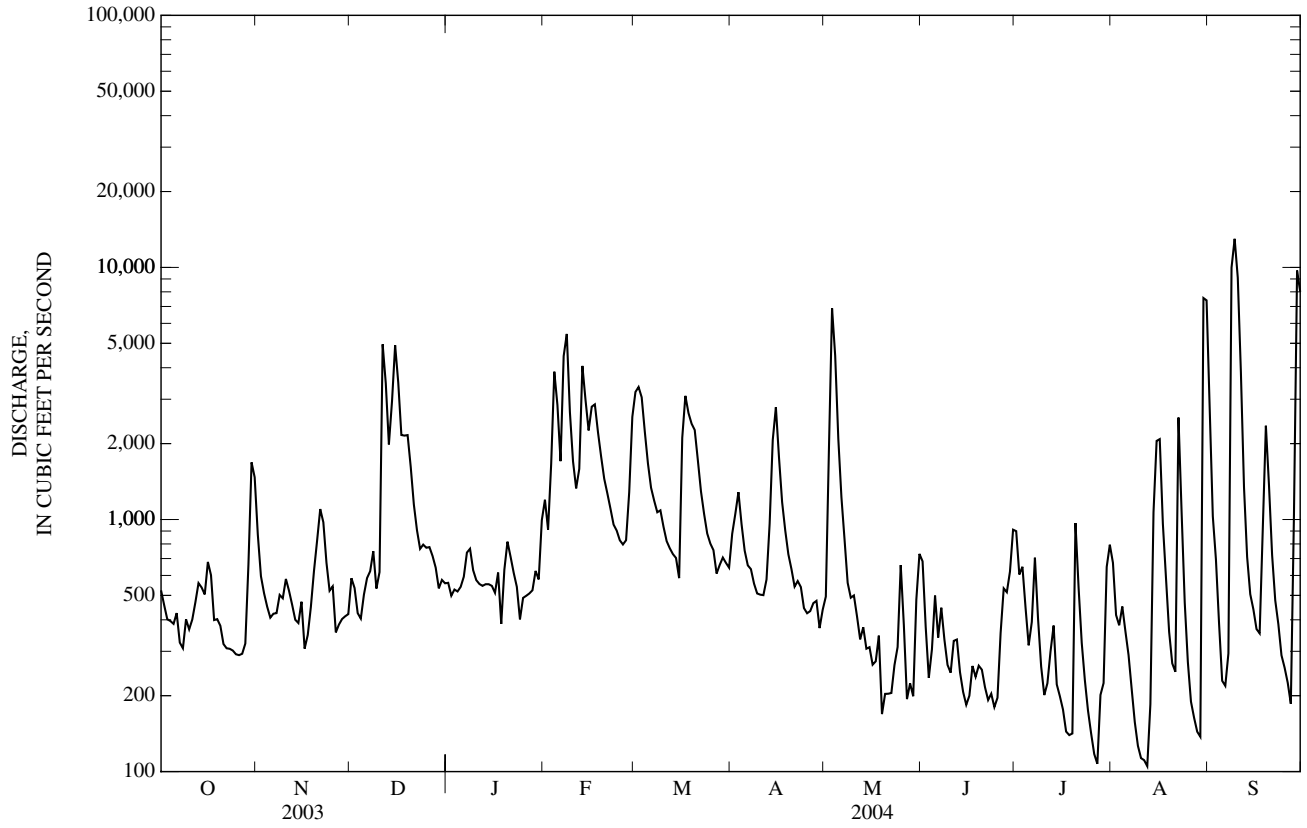
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2004, BY WATER YEAR (WY)

MEAN	739	837	1,309	2,359	2,843	2,860	2,065	1,112	789	834	831	839
MAX	3,590	4,789	4,765	7,182	7,945	7,582	6,455	3,590	4,147	5,528	3,861	10,580
(WY)	(1965)	(1986)	(1973)	(1978)	(1960)	(1998)	(1936)	(1989)	(1982)	(1975)	(1931)	(1945)
MIN	28.2	14.1	34.6	130	424	566	393	125	68.6	79.7	46.9	24.1
(WY)	(1931)	(1942)	(1934)	(1934)	(1931)	(1981)	(1981)	(2002)	(2002)	(1986)	(2002)	(1968)

02102000 DEEP RIVER AT MONCURE, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1930 - 2004	
ANNUAL TOTAL	930,622		372,755			
ANNUAL MEAN	2,550		1,018		1,446	
HIGHEST ANNUAL MEAN					2,999	2003
LOWEST ANNUAL MEAN					391	2002
HIGHEST DAILY MEAN	29,000	Apr 11	13,000	Sep 9	66,400	Sep 18, 1945
LOWEST DAILY MEAN	273	Jun 29	105	Aug 12	6.0	Oct 9, 1954
ANNUAL SEVEN-DAY MINIMUM	302	Oct 21	144	Aug 7	6.6	Oct 8, 1954
MAXIMUM PEAK FLOW			17,900	Sep 8	80,300	Sep 18, 1945
MAXIMUM PEAK STAGE			8.14	Sep 8	17.20	Sep 18, 1945
INSTANTANEOUS LOW FLOW			99	Jul 27	5.5	Oct 10, 1954
ANNUAL RUNOFF (CFSM)	1.78		0.710		1.01	
ANNUAL RUNOFF (INCHES)	24.14		9.67		13.70	
10 PERCENT EXCEEDS	6,390		2,260		3,300	
50 PERCENT EXCEEDS	1,080		542		534	
90 PERCENT EXCEEDS	402		215		98	

e Estimated.



02102000 DEEP RIVER AT MONCURE, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955, 1957 to 1965, 1968 to 1970, 1972, 1976 to 1978, 1981 to 1983, 2002, to current year.

REMARKS.--Station operated in cooperation with the Upper Cape Fear River Basin Association to assess constituent loads.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Chloride, water, fltrd, mg/L (00940)
OCT													
01...	1100	529	--	763	8.8	7.3	80	18.4	--	--	--	21	--
07...	1030	360	--	763	9.3	7.4	103	17.9	--	--	--	28	--
15...	1200	461	--	761	9.4	7.6	133	18.4	--	--	--	32	--
20...	1200	360	--	764	10.2	7.8	145	16.7	--	--	--	34	--
31...	1430	1,380	--	--	10.8	7.4	142	15.6	--	--	--	36	--
NOV													
12...	1030	461	--	760	10.7	7.6	142	14.4	--	--	--	36	--
21...	1200	1,010	--	761	10.8	7.5	147	12.8	--	--	--	36	--
28...	1215	385	--	751	12.1	7.5	176	11.8	--	--	--	38	--
DEC													
11...	1500	5,090	--	753	11.9	7.1	99	9.1	--	--	--	17	--
23...	1230	706	--	762	14.9	7.2	117	4.6	--	--	--	26	--
JAN													
06...	1045	587	--	--	11.8	7.6	127	8.3	--	--	--	32	--
20...	1100	828	--	762	13.2	7.4	144	3.8	--	--	--	61	--
FEB													
03...	1100	976	--	759	13.1	7.5	155	3.1	--	--	--	59	--
18...	1300	2,190	--	762	12.5	7.2	102	5.6	--	--	--	34	--
MAR													
08...	1045	1,000	--	758	11.4	7.3	111	13.1	--	--	--	20	--
18...	1100	2,680	--	762	11.3	7.2	121	12.1	--	--	--	25	--
30...	1100	605	--	762	10.4	7.5	123	14.3	--	--	--	27	--
APR													
13...	1200	906	--	--	9.9	7.1	134	14.9	--	--	--	33	--
MAY													
12...	1145	313	--	765	8.4	7.3	114	23.3	--	--	--	22	--
27...	1030	180	--	755	6.6	7.6	159	27.4	--	--	--	34	--
JUN													
10...	1115	245	--	761	7.9	7.3	197	26.1	--	--	--	31	--
22...	1045	192	--	756	7.6	7.5	205	26.2	--	--	--	36	--
JUL													
09...	1115	260	--	762	7.0	7.3	169	28.5	--	--	--	32	--
15...	1115	196	--	754	7.5	7.7	170	29.7	--	--	--	32	--
20...	1115	1,160	12	758	7.2	7.3	180	27.0	8.55	4.07	16.6	32	16.0
27...	1530	99	4.0	758	7.0	7.3	214	28.8	9.97	5.14	20.3	42	22.5
30...	1130	883	31	762	6.6	7.3	242	26.6	10.9	4.62	24.6	38	27.2
AUG													
03...	1045	324	21	754	7.0	7.3	144	27.5	7.76	3.32	11.7	32	13.2
06...	1130	285	--	756	7.9	7.3	227	26.7	--	--	--	38	--
10...	1015	113	--	755	7.4	7.5	218	26.1	--	--	--	38	--
15...	0945	1,830	76	764	7.7	7.2	122	22.4	7.12	2.78	8.46	29	10.1

02102000 DEEP RIVER AT MONCURE, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Alum-inum, water, fltrd, ug/L (01106)	Arsenic water, fltrd, ug/L (01000)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)
OCT													
01...	--	.61	<.015	.58	.004	.126	.23	--	--	--	--	--	--
07...	--	.50	<.010	.79	.004	.133	.21	--	--	--	--	--	--
15...	--	.34	E.007	.91	.004	.096	.15	--	--	--	--	--	--
20...	--	.47	E.007	1.18	.004	.149	.20	--	--	--	--	--	--
31...	--	.45	E.009	.82	.004	.074	.11	--	--	--	--	--	--
NOV													
12...	--	.45	<.010	.88	.003	.137	.19	--	--	--	--	--	--
21...	--	.47	E.005	.95	.003	.109	.18	--	--	--	--	--	--
28...	--	.44	<.010	1.58	.004	.241	.33	--	--	--	--	--	--
DEC													
11...	--	1.6	.099	1.27	.011	.168	.46	--	--	--	--	--	--
23...	--	.54	.022	1.07	.006	.091	.16	--	--	--	--	--	--
JAN													
06...	--	.31	E.009	1.23	.002	.091	.14	--	--	--	--	--	--
20...	--	.36	<.010	1.08	.002	.071	.13	--	--	--	--	--	--
FEB													
03...	--	.36	<.010	1.12	.002	.051	.09	--	--	--	--	--	--
18...	--	.52	.034	.79	.007	.060	.12	--	--	--	--	--	--
MAR													
08...	--	.49	.022	.80	.008	.084	.15	--	--	--	--	--	--
18...	--	.74	.040	.79	.007	.057	.14	--	--	--	--	--	--
30...	--	.38	<.010	.64	.003	.068	.12	--	--	--	--	--	--
APR													
13...	--	.43	.026	.55	.003	.076	.11	--	--	--	--	--	--
MAY													
12...	--	.60	.024	1.07	.011	.133	.21	--	--	--	--	--	--
27...	--	.42	.027	.71	.008	.136	.21	--	--	--	--	--	--
JUN													
10...	--	.57	.024	1.52	.011	.231	.31	--	--	--	--	--	--
22...	--	.50	.019	1.40	.006	.351	.40	--	--	--	--	--	--
JUL													
09...	--	.60	.013	1.26	.006	.198	.26	--	--	--	--	--	--
15...	--	.60	.021	1.01	.008	.236	.31	--	--	--	--	--	--
20...	13.6	.59	.012	1.03	.005	.316	.39	19	1.0	<.04	<.8	2.5	276
27...	16.7	.57	.022	1.40	.009	.334	.39	11	1.0	E.02	E.6	2.2	186
30...	19.5	.68	.039	1.96	.014	.354	.43	7	.9	E.02	<.8	2.5	97
AUG													
03...	9.9	.58	.022	.82	.006	.223	.29	13	.9	E.02	<.8	2.3	228
06...	--	.73	.026	1.61	.015	.244	.33	--	--	--	--	--	--
10...	--	.58	.027	1.68	.009	.304	.35	--	--	--	--	--	--
15...	9.2	1.4	.405	.81	.014	.205	.33	51	1.0	<.04	<.8	3.6	415

02102000 DEEP RIVER AT MONCURE, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Mercury water, fltrd, ug/L (71890)	Nickel, water, fltrd, ug/L (01065)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT						
01...	--	--	--	--	--	--
07...	--	--	--	--	--	--
15...	--	--	--	--	--	--
20...	--	--	--	--	7	6.8
31...	--	--	--	--	13	48
NOV						
12...	--	--	--	--	6	7.5
21...	--	--	--	--	9	25
28...	--	--	--	--	10	10
DEC						
11...	--	--	--	--	162	2,230
23...	--	--	--	--	10	19
JAN						
06...	--	--	--	--	7	11
20...	--	--	--	--	9	20
FEB						
03...	--	--	--	--	5	13
18...	--	--	--	--	16	95
MAR						
08...	--	--	--	--	10	27
18...	--	--	--	--	32	232
30...	--	--	--	--	8	13
APR						
13...	--	--	--	--	10	24
MAY						
12...	--	--	--	--	12	10
27...	--	--	--	--	9	4.4
JUN						
10...	--	--	--	--	12	7.9
22...	--	--	--	--	8	4.1
JUL						
09...	--	--	--	--	12	8.4
15...	--	--	--	--	8	4.2
20...	.12	76.2	<.02	1.22	23	72
27...	E.08	58.7	<.02	1.40	5	1.3
30...	E.06	48.1	<.02	1.54	19	45
AUG						
03...	.10	47.9	<.02	.94	9	7.9
06...	--	--	--	--	9	6.9
10...	--	--	--	--	2	.61
15...	.19	49.4	<.02	1.21	57	282

Remark codes used in this table:
< -- Less than
E -- Estimated value

02102192 BUCKHORN CREEK NEAR CORINTH, NC

LOCATION.--Lat 35°33'35", long 78°58'25", Chatham County, Hydrologic Unit 03030004, on left bank at upstream side of bridge on State Highway 42, 0.2 mi downstream of White Oak Creek, 1.2 mi downstream of Harris Lake, and 2 mi east of Corinth.

DRAINAGE AREA.--76.3 mi^2.

PERIOD OF RECORD.--June 1972 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 154.63 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Since Dec. 1, 1980, considerable regulation by Harris Lake (station 02102190). Maximum discharge prior to regulation: 6,920 ft^3/s, Feb. 2, 1973; gage height: 20.02 ft. Minimum discharge prior to regulation: 0.01 ft^3/s, Sept. 2, 1976. Minimum discharge for period of record also occurred June 22, 23, 2002.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	4.7	3.5	36	19	120	33	16	35	29	6.6	184
2	24	4.2	3.9	33	19	113	30	89	28	26	6.8	162
3	18	3.8	2.6	30	35	105	28	200	24	23	7.5	140
4	15	3.6	3.0	28	45	95	27	176	46	20	3.9	120
5	13	3.4	5.5	27	45	87	23	155	58	17	4.5	102
6	11	3.7	4.5	31	47	82	21	138	49	14	21	91
7	10	5.8	3.4	26	94	80	18	125	43	11	8.6	86
8	11	7.3	2.8	24	97	78	17	114	37	8.0	6.1	116
9	14	8.8	2.6	e25	91	71	16	98	35	5.9	4.1	120
10	16	5.2	8.7	e26	86	70	15	82	33	5.9	3.1	105
11	15	3.7	33	e23	80	58	15	72	29	19	2.3	90
12	12	3.1	31	e21	105	53	20	66	37	34	3.1	76
13	11	4.5	33	19	128	47	25	62	30	40	6.9	65
14	11	2.6	84	18	125	41	30	53	25	31	54	58
15	14	2.2	104	18	133	42	30	46	22	26	110	61
16	10	2.2	104	16	149	67	27	41	20	21	147	54
17	8.9	2.2	114	15	148	87	24	36	21	17	131	90
18	11	2.2	120	18	143	90	22	32	18	19	117	169
19	7.2	5.6	112	21	136	111	20	31	17	16	150	170
20	6.1	9.9	103	19	126	105	19	45	18	13	141	143
21	5.1	8.7	92	17	118	101	16	34	13	10	122	122
22	5.3	8.7	83	16	107	91	14	30	10	7.8	162	104
23	4.0	7.6	76	15	96	78	12	25	8.6	16	147	92
24	3.0	7.0	74	14	88	69	11	42	7.9	15	128	79
25	2.8	8.4	68	15	83	62	9.0	35	9.9	10	108	69
26	3.0	5.4	62	19	75	57	7.9	30	15	7.0	91	60
27	3.8	4.9	56	17	95	51	11	25	16	5.6	77	54
28	5.9	4.9	51	16	103	48	7.9	21	16	4.5	65	59
29	12	5.0	47	e17	118	43	6.2	18	32	3.9	58	61
30	6.1	3.7	44	e19	---	38	5.1	39	31	5.4	153	55
31	5.1	---	40	21	---	36	---	39	---	4.4	200	---
TOTAL	321.3	153.0	1,571.5	660	2,734	2,276	560.1	2,015	784.4	485.4	2,245.5	2,957
MEAN	10.4	5.10	50.7	21.3	94.3	73.4	18.7	65.0	26.1	15.7	72.4	98.6
MAX	27	9.9	120	36	149	120	33	200	58	40	200	184
MIN	2.8	2.2	2.6	14	19	36	5.1	16	7.9	3.9	2.3	54
CFSM	0.14	0.07	0.66	0.28	1.24	0.96	0.24	0.85	0.34	0.21	0.95	1.29
IN.	0.16	0.07	0.77	0.32	1.33	1.11	0.27	0.98	0.38	0.24	1.09	1.44

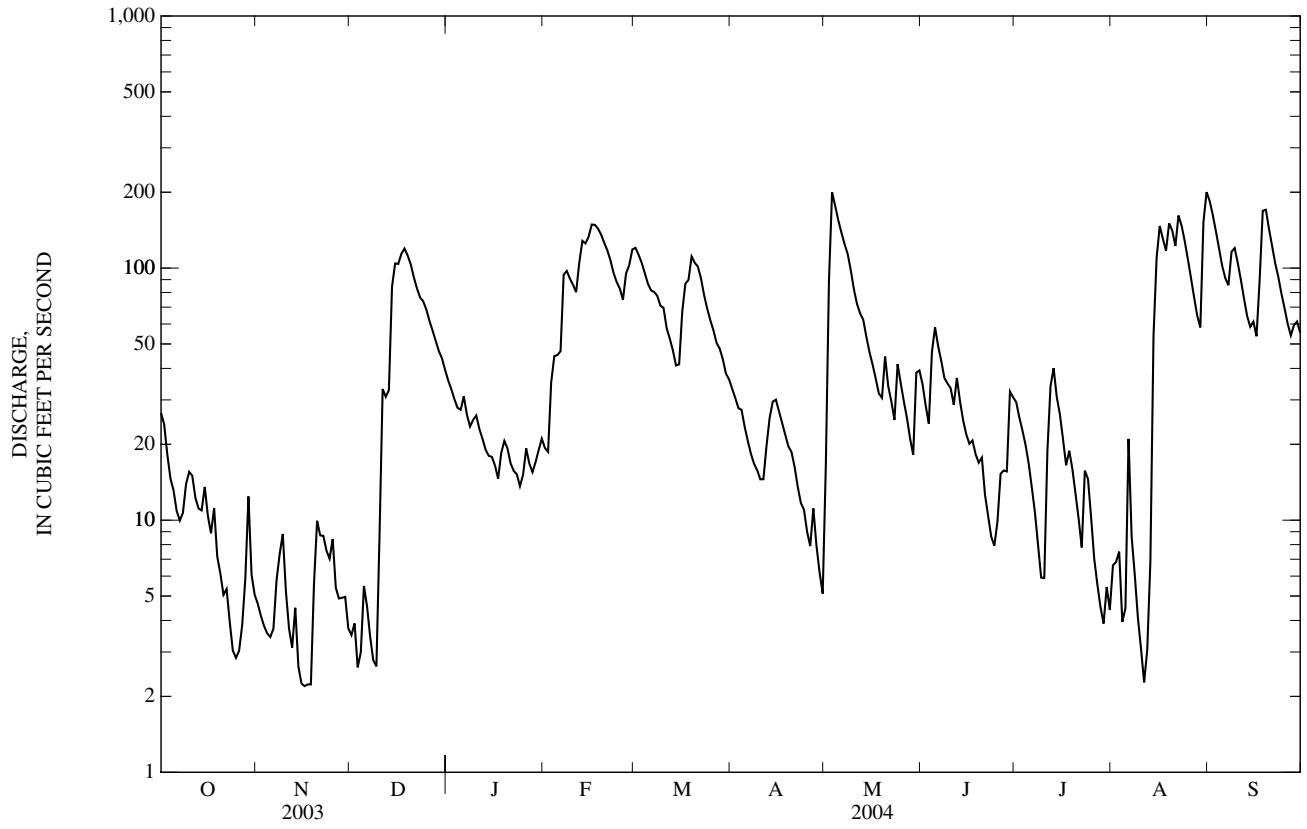
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2004,@ BY WATER YEAR (WY)

MEAN	19.7	23.2	37.0	66.3	104	132	92.6	40.9	28.1	27.3	35.5	31.9
MAX	137	146	154	241	348	421	312	184	138	182	242	335
(WY)	(2000)	(1996)	(2003)	(1984)	(1998)	(1998)	(1993)	(1989)	(1984)	(2001)	(2003)	(1996)
MIN	0.70	0.81	1.40	2.07	1.37	1.66	1.13	1.48	0.67	0.34	0.33	0.70
(WY)	(1982)	(1992)	(1992)	(2001)	(1992)	(1992)	(1992)	(2002)	(1981)	(1981)	(2002)	(2002)

02102192 BUCKHORN CREEK NEAR CORINTH, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1981 - 2004[@]	
ANNUAL TOTAL	45,520.2		16,763.2			
ANNUAL MEAN	125		45.8		52.9	
HIGHEST ANNUAL MEAN					137	2003
LOWEST ANNUAL MEAN					2.47	1981
HIGHEST DAILY MEAN	982	Apr 11	200	May 3	1,940	Sep 6, 1996
LOWEST DAILY MEAN	2.2	Nov 15	2.2	Nov 15	0.06	Jun 22, 2002
ANNUAL SEVEN-DAY MINIMUM	2.7	Nov 12	2.7	Nov 12	0.07	Jun 18, 2002
MAXIMUM PEAK FLOW			335	May 2	4,300	Sep 6, 1996
MAXIMUM PEAK STAGE			4.40	May 2	16.79	Sep 6, 1996
INSTANTANEOUS LOW FLOW			1.8	Aug 12	0.05*	May 10, 1988
ANNUAL RUNOFF (CFSM)	1.63		0.600		0.694	
ANNUAL RUNOFF (INCHES)	22.19		8.17		9.43	
10 PERCENT EXCEEDS	359		117		157	
50 PERCENT EXCEEDS	61		27		9.3	
90 PERCENT EXCEEDS	5.5		4.6		0.71	

[@] Regulated period only (1981-2004). See REMARKS.
* See REMARKS.
e Estimated.



02102500 CAPE FEAR RIVER AT LILLINGTON, NC

LOCATION.--Lat 35°24'22", long 78°48'48", Harnett County, Hydrologic Unit 03030004, on right bank 60 ft downstream of downstream bridge on U.S. Highway 401, 1,860 ft downstream of Southern Railway bridge, 0.5 mi north of Lillington, 1 mile downstream of Neal Creek, and at mile 178.

DRAINAGE AREA.--3,464 mi^2.

PERIOD OF RECORD.--December 1923 to current year.

REVISED RECORDS.--WSP 1002: 1930(M). WSP 1032: 1942(m). WSP 1303: 1944(M). WSP 1333: 1945. WSP 1383:

GAGE.--Water-stage recorder. Datum of gage is 104.62 ft above NGVD of 1929. Dec. 6, 1923, to Oct. 7, 1927, nonrecording gage and Oct. 8, 1927, to Dec. 2, 1975, water-stage recorder at site 60 ft upstream in bridge pier at same datum. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Some regulation at high flows, December 1972 to August 1981, caused by temporary storage in B. Everett Jordan Lake. Flow regulated since Sept. 1981 by B. Everett Jordan Lake (station 02098197). Diurnal fluctuation and slight regulation at low flow caused by power plants upstream from station. Fluctuation and regulation by Buckhorn Reservoir, 13 mi upstream from station, ended in December 1962. Prior to regulation, maximum discharge: 150,000 ft^3/s, Sept. 19, 1945, from rating curve extended above 76,000 ft^3/s; gage height: 33.19 ft, from floodmark; minimum discharge: 11 ft^3/s, Oct. 14, 15, 1954; gage height: -0.17 ft. Minimum discharge for period of record also occurred on Aug. 7, 2002.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,210	1,840	1,360	1,320	1,950	5,280	1,190	891	1,270	1,670	4,560	7,800
2	1,070	1,460	1,430	1,350	1,830	5,280	1,430	2,220	936	1,590	1,970	7,160
3	996	1,320	1,330	1,310	1,970	5,630	2,060	7,940	688	1,510	1,780	6,850
4	910	1,280	1,280	1,310	5,480	6,100	1,920	6,960	751	1,440	1,820	4,570
5	900	1,190	1,400	1,290	7,740	4,820	1,680	3,910	1,700	1,240	1,730	1,850
6	814	1,180	1,450	1,390	6,120	2,490	2,000	5,220	1,080	1,110	1,930	927
7	846	1,230	1,440	1,380	4,450	2,280	2,320	4,640	900	1,430	1,670	1,000
8	705	1,230	1,560	1,570	7,710	2,180	2,250	3,420	905	1,280	1,420	6,510
9	902	1,300	1,290	1,460	7,520	2,600	1,840	2,830	829	752	853	16,200
10	800	1,310	1,290	1,390	7,170	2,480	1,380	1,440	915	644	526	15,100
11	790	1,310	5,330	1,330	6,490	2,310	1,410	1,380	722	764	587	14,000
12	820	1,240	5,750	1,330	4,070	2,230	1,500	1,210	1,030	806	617	13,600
13	931	1,040	5,650	1,350	5,130	1,790	1,820	1,300	841	1,240	876	10,300
14	929	934	6,030	1,330	5,760	1,700	2,480	1,160	667	792	1,490	3,420
15	1,000	999	8,570	1,360	4,660	1,690	4,540	1,170	581	646	3,570	3,170
16	1,010	978	8,140	1,400	5,070	2,730	6,160	880	694	612	4,410	1,860
17	1,050	905	7,840	1,470	5,360	4,510	2,360	731	1,170	588	3,490	1,920
18	887	843	8,000	1,460	5,670	5,830	1,790	814	1,530	592	3,690	2,650
19	733	958	8,810	1,480	7,760	5,690	1,680	635	1,500	585	5,360	3,430
20	836	1,340	6,370	1,710	3,770	6,830	2,310	750	1,510	927	5,510	4,060
21	2,000	1,580	5,750	1,640	3,360	6,410	2,280	645	1,430	1,170	2,260	6,090
22	2,230	1,940	4,470	1,580	3,100	4,920	1,930	685	1,080	836	4,410	3,540
23	2,140	1,660	1,690	1,470	2,960	2,110	1,400	1,020	947	818	3,630	2,730
24	1,000	1,440	1,730	1,230	2,850	1,690	959	1,550	648	1,010	2,350	1,130
25	841	1,440	1,700	1,220	2,790	1,580	855	1,260	666	942	1,150	969
26	1,120	1,340	1,600	1,310	2,660	1,490	895	1,000	873	905	942	926
27	1,110	1,240	1,570	1,300	2,730	1,180	1,010	718	1,070	838	881	860
28	1,080	1,290	1,500	1,320	3,270	1,110	959	615	933	593	816	958
29	1,810	1,260	1,390	1,390	4,400	1,140	883	678	1,420	664	791	7,420
30	2,320	1,220	1,380	1,470	---	1,170	1,270	992	1,720	859	5,220	10,200
31	2,490	---	1,400	1,680	---	1,140	---	1,690	---	4,450	13,000	---
TOTAL	36,280	38,297	108,500	43,600	133,800	98,390	56,561	60,354	31,006	33,303	83,309	161,200
MEAN	1,170	1,277	3,500	1,406	4,614	3,174	1,885	1,947	1,034	1,074	2,687	5,373
MAX	2,490	1,940	8,810	1,710	7,760	6,830	6,160	7,940	1,720	4,450	13,000	16,200
MIN	705	843	1,280	1,220	1,830	1,110	855	615	581	585	526	860
CFSM	0.34	0.37	1.01	0.41	1.33	0.92	0.54	0.56	0.30	0.31	0.78	1.55
IN.	0.39	0.41	1.17	0.47	1.44	1.06	0.61	0.65	0.33	0.36	0.89	1.73

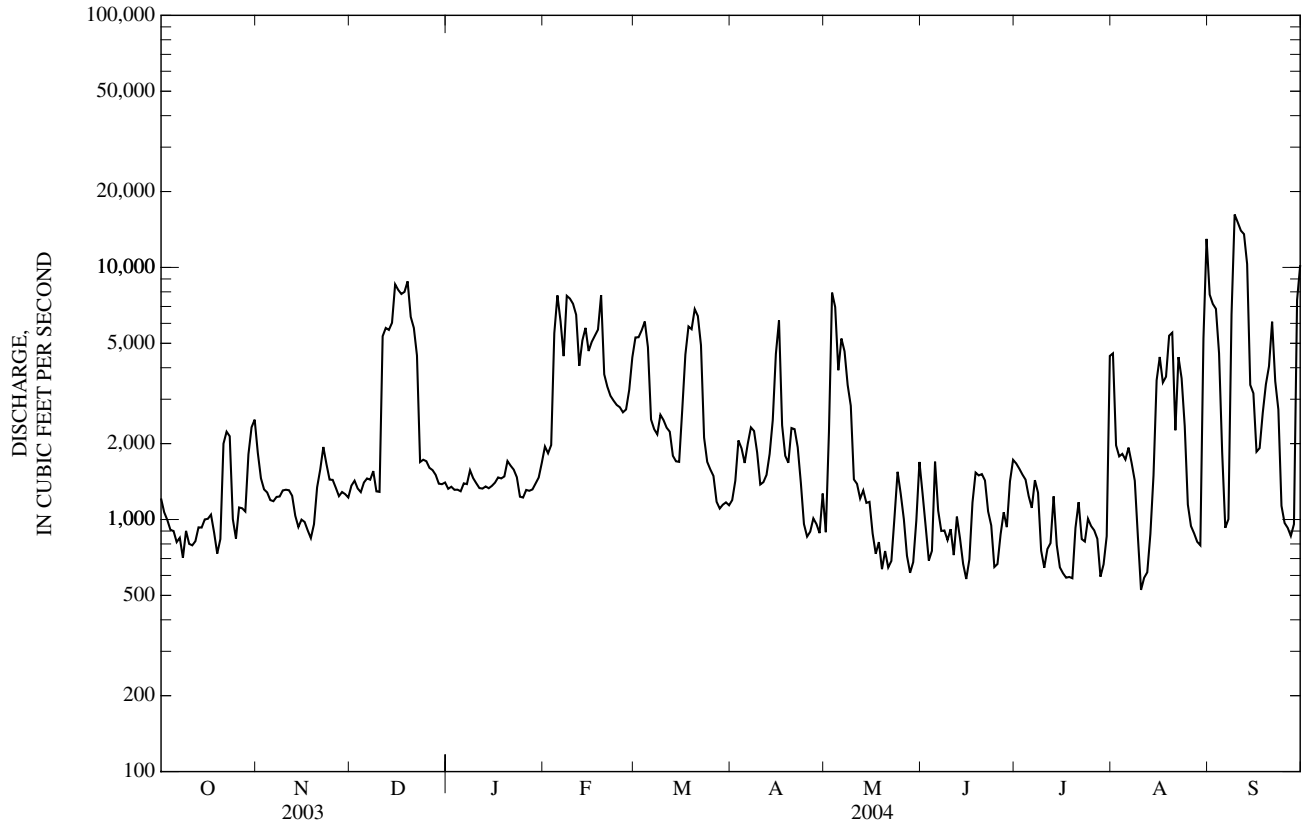
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2004,* BY WATER YEAR (WY)

MEAN	2,010	2,030	2,793	4,952	6,164	7,282	5,091	2,603	2,300	1,759	1,819	2,160
MAX	6,442	7,919	8,595	11,750	16,440	15,710	14,780	7,784	12,510	5,694	7,075	13,920
(WY)	(1990)	(1986)	(1984)	(1998)	(1998)	(1993)	(2003)	(1989)	(1982)	(1995)	(2003)	(1996)
MIN	621	522	612	707	1,617	1,628	969	642	551	360	274	596
(WY)	(1999)	(1999)	(2002)	(2001)	(2002)	(1988)	(1985)	(2002)	(1999)	(2002)	(2002)	(1990)

02102500 CAPE FEAR RIVER AT LILLINGTON, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1982 - 2004*	
ANNUAL TOTAL	2,220,497		884,600			
ANNUAL MEAN	6,084		2,417		3,398	
HIGHEST ANNUAL MEAN					7,146	2003
LOWEST ANNUAL MEAN					1,013	2002
HIGHEST DAILY MEAN	38,300	Apr 11	16,200	Sep 9	41,400	Sep 6, 1996
LOWEST DAILY MEAN	705	Oct 8	526	Aug 10	155	Aug 6, 2002
ANNUAL SEVEN-DAY MINIMUM	811	Oct 6	677	Jul 14	223	Oct 2, 1981
MAXIMUM PEAK FLOW			18,900	Sep 9	51,800	Sep 7, 1996
MAXIMUM PEAK STAGE			10.83	Sep 9	18.97	Sep 7, 1996
INSTANTANEOUS LOW FLOW			509	Aug 10	141*	Aug 6, 2002
ANNUAL RUNOFF (CFSM)	1.76		0.698		0.981	
ANNUAL RUNOFF (INCHES)	23.85		9.50		13.33	
10 PERCENT EXCEEDS	15,000		5,750		9,900	
50 PERCENT EXCEEDS	3,760		1,430		1,270	
90 PERCENT EXCEEDS	1,090		812		598	

* Regulated period only (1981-2004). See REMARKS.



02102908 FLAT CREEK NEAR INVERNESS, NC

LOCATION.--Lat 35°10'58", long 79°10'39", Hoke County, Hydrologic Unit 03030004, on left bank 15 ft downstream of culvert on Manchester Road, Fort Bragg military reservation, 0.4 mi upstream from mouth, and 3.6 mi east of Inverness.

DRAINAGE AREA.--7.63 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1968 to current year.

REVISED RECORDS.--WDR NC-72-1: 1968-70 (M). WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 191.18 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Some diurnal fluctuation at low flow during growing season. Minimum discharge some years affected by regulation from unknown source. Minimum discharge for current water year also occurred July 17.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	12	9.2	8.8	8.1	25	11	7.7	5.8	13	5.6	17
2	10	11	9.0	8.7	8.0	22	9.5	22	5.2	7.0	9.0	12
3	10	11	9.0	8.7	16	16	8.9	46	4.8	6.6	6.8	9.8
4	10	11	10	8.7	12	13	8.5	20	14	7.8	5.2	9.1
5	9.9	11	17	8.7	9.1	13	8.1	12	31	5.6	4.4	8.4
6	9.9	11	11	9.0	10	12	8.0	9.6	9.7	4.9	9.0	8.8
7	10	11	10	8.3	16	12	8.0	8.4	8.5	4.4	5.3	13
8	13	11	9.5	8.3	9.7	11	7.9	7.7	7.2	4.3	4.4	72
9	19	11	9.4	8.9	8.8	11	7.9	7.3	7.5	5.7	4.2	35
10	13	10	15	9.4	8.8	11	8.0	7.0	7.7	4.6	4.0	17
11	15	10	36	8.7	8.6	10	11	6.7	6.3	4.4	3.8	13
12	13	10	15	9.1	19	10	25	6.5	5.9	5.6	11	11
13	11	9.7	11	9.2	18	9.9	22	6.6	6.1	4.6	33	10
14	14	9.3	23	8.5	13	9.9	15	6.3	6.4	4.2	20	13
15	19	9.4	17	8.4	18	11	11	6.0	7.5	3.7	19	17
16	12	9.4	12	8.1	16	14	9.6	5.8	7.2	3.6	18	13
17	11	9.5	13	8.0	12	13	8.9	5.6	7.7	3.6	9.1	18
18	11	9.6	13	12	13	11	8.4	5.4	6.2	5.5	7.6	28
19	11	17	11	10	11	12	8.1	5.3	5.2	5.4	28	16
20	10	22	11	8.5	9.9	10	7.9	5.4	5.1	6.5	10	11
21	10	12	10	8.1	9.4	11	7.7	5.6	5.0	4.7	7.4	10
22	9.8	10	10	8.2	8.8	9.7	7.5	5.2	5.3	4.2	14	9.6
23	9.5	10	9.7	8.0	8.7	9.5	7.4	8.1	5.0	6.1	8.8	9.0
24	9.5	9.8	11	7.9	8.8	9.4	7.1	20	7.7	4.7	7.2	8.6
25	9.5	9.6	10	8.0	8.6	9.2	7.0	7.8	6.5	4.5	6.2	8.7
26	10	9.5	9.4	8.4	9.0	9.0	7.4	6.1	21	4.8	6.1	8.5
27	10	9.7	9.3	8.4	28	8.9	11	5.7	11	4.2	6.3	9.4
28	13	9.8	9.1	9.9	34	8.9	7.8	5.3	7.2	5.1	5.7	14
29	45	9.6	9.1	9.7	26	8.7	7.1	5.0	6.7	7.0	6.2	11
30	25	9.3	9.2	9.9	---	8.8	6.9	8.0	7.2	5.4	60	9.1
31	13	---	8.8	9.1	---	11	---	7.2	---	5.3	34	---
TOTAL	407.1	325.2	376.7	273.6	386.3	360.9	289.6	291.3	247.6	167.0	379.3	450.0
MEAN	13.1	10.8	12.2	8.83	13.3	11.6	9.65	9.40	8.25	5.39	12.2	15.0
MAX	45	22	36	12	34	25	25	46	31	13	60	72
MIN	9.5	9.3	8.8	7.9	8.0	8.7	6.9	5.0	4.8	3.6	3.8	8.4
CFSM	1.72	1.42	1.59	1.16	1.75	1.53	1.27	1.23	1.08	0.71	1.60	1.97
IN.	1.98	1.59	1.84	1.33	1.88	1.76	1.41	1.42	1.21	0.81	1.85	2.19

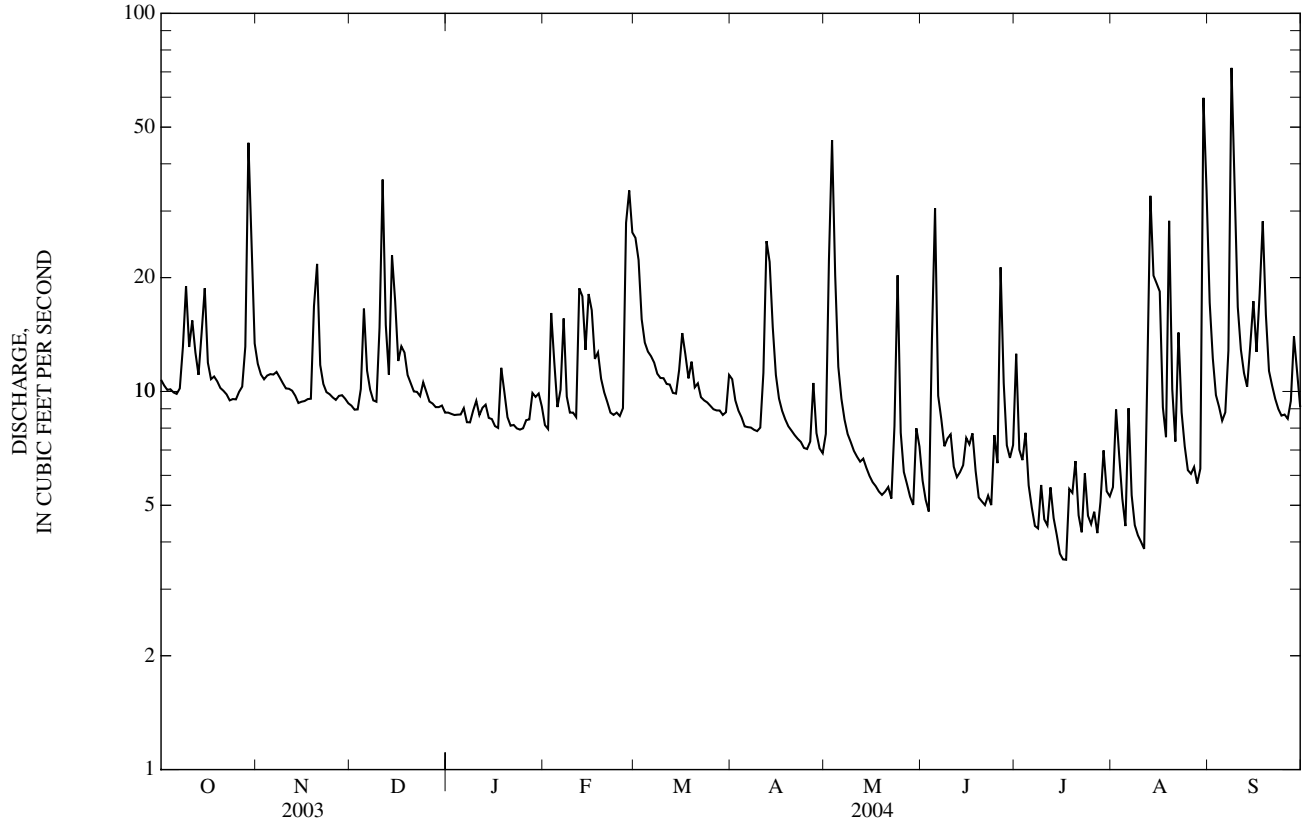
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2004, BY WATER YEAR (WY)

MEAN	10.4	11.0	11.7	13.8	14.9	14.9	13.2	10.8	10.6	10.6	9.86	10.3
MAX	19.9	20.5	19.5	20.2	32.0	28.5	39.7	18.9	25.3	24.5	21.7	22.3
(WY)	(1972)	(1980)	(1973)	(1975)	(1973)	(1998)	(1973)	(1973)	(1995)	(1989)	(2003)	(1996)
MIN	5.13	5.02	5.16	7.30	7.00	6.47	5.11	3.67	3.19	2.90	2.74	4.00
(WY)	(2002)	(2002)	(2002)	(2001)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

02102908 FLAT CREEK NEAR INVERNESS, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1968 - 2004	
ANNUAL TOTAL	5,545.8		3,954.6			
ANNUAL MEAN	15.2		10.8		11.9	
HIGHEST ANNUAL MEAN					20.2	1973
LOWEST ANNUAL MEAN					5.00	2002
HIGHEST DAILY MEAN	131	Aug 10	72	Sep 8	200	Apr 1, 1973
LOWEST DAILY MEAN	5.8	Jan 29	3.6	Jul 16	0.94	Aug 13, 2002
ANNUAL SEVEN-DAY MINIMUM	6.1	Jan 23	4.2	Jul 11	1.3	Aug 8, 2002
MAXIMUM PEAK FLOW			100	Sep 8	394	Apr 1, 1973
MAXIMUM PEAK STAGE			2.63	Sep 8	7.30	Apr 1, 1973
INSTANTANEOUS LOW FLOW			3.0*	Jul 16	0.38*	Aug 14, 2002
ANNUAL RUNOFF (CFSM)	1.99		1.42		1.55	
ANNUAL RUNOFF (INCHES)	27.04		19.28		21.12	
10 PERCENT EXCEEDS	25		17		20	
50 PERCENT EXCEEDS	11		9.4		9.7	
90 PERCENT EXCEEDS	8.0		5.4		5.4	

* See REMARKS.



02102908 FLAT CREEK NEAR INVERNESS, NC—Continued

PRECIPITATION RECORDS

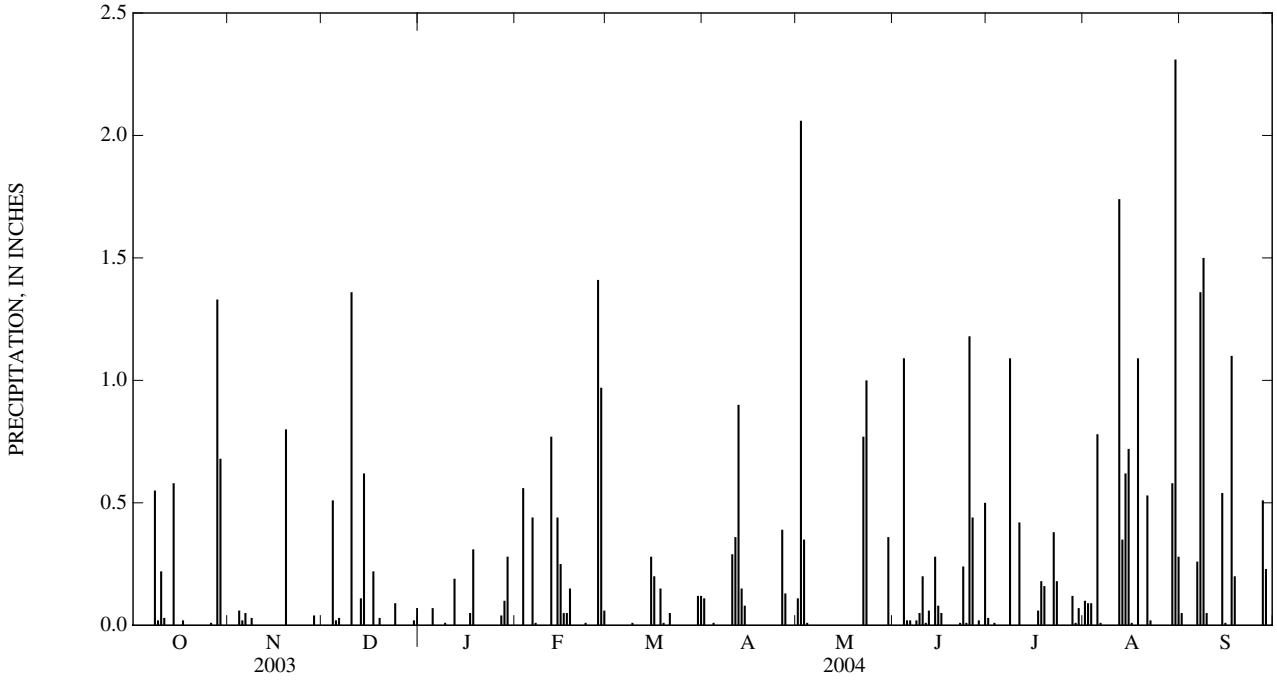
PERIOD OF RECORD.--April 2000 to current year.

GAGE.--Tipping-bucket raingage and data collection platform. Satellite telemetry at station.

REMARKS.--Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.11	0.00	0.03	0.10	0.05
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.06	0.00	0.00	0.09	0.00
3	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.35	0.00	0.01	0.09	0.00
4	0.00	0.06	0.51	0.00	0.00	0.00	0.01	0.01	1.09	0.00	0.00	0.00
5	0.00	0.02	0.02	0.07	0.00	0.00	0.00	0.00	0.02	0.00	0.78	0.00
6	0.00	0.05	0.03	0.00	0.44	0.00	0.00	0.00	0.02	0.00	0.01	0.26
7	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	1.36
8	0.55	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.09	0.00	1.50
9	0.02	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.05	0.00	0.00	0.05
10	0.22	0.00	1.36	0.00	0.00	0.00	0.29	0.00	0.20	0.00	0.00	0.00
11	0.03	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.01	0.42	0.00	0.00
12	0.00	0.00	0.00	0.19	0.77	0.00	0.90	0.00	0.06	0.00	1.74	0.00
13	0.00	0.00	0.11	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.35	0.00
14	0.58	0.00	0.62	0.00	0.44	0.00	0.08	0.00	0.28	0.00	0.62	0.54
15	0.00	0.00	0.00	0.00	0.25	0.28	0.00	0.00	0.08	0.00	0.72	0.01
16	0.00	0.00	0.00	0.00	0.05	0.20	0.00	0.00	0.05	0.00	0.01	0.00
17	0.02	0.00	0.22	0.05	0.05	0.00	0.00	0.00	0.00	0.06	0.00	1.10
18	0.00	0.00	0.00	0.31	0.15	0.15	0.00	0.00	0.00	0.18	1.09	0.20
19	0.00	0.80	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.16	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.53	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.01	0.38	0.02	0.00
23	0.00	0.00	0.00	0.00	0.01	0.00	0.00	1.00	0.24	0.18	0.00	0.00
24	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.18	0.00	0.00	0.00
26	0.01	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.44	0.00	0.00	0.00
27	0.00	0.00	0.00	0.04	1.41	0.00	0.13	0.00	0.00	0.00	0.00	0.51
28	1.33	0.04	0.00	0.10	0.97	0.00	0.00	0.00	0.02	0.12	0.00	0.23
29	0.68	0.00	0.00	0.28	0.06	0.00	0.00	0.00	0.00	0.01	0.58	0.00
30	0.00	0.00	0.02	0.00	---	0.12	0.00	0.36	0.50	0.07	2.31	0.00
31	0.00	---	0.00	0.00	---	0.12	---	0.00	---	0.00	0.28	---
TOTAL	3.44	1.00	3.01	1.05	5.17	0.94	2.42	4.66	4.28	2.71	9.32	5.81



02103000 LITTLE RIVER AT MANCHESTER, NC

LOCATION.--Lat 35°11'36", long 78°59'08", Cumberland County, Hydrologic Unit 03030004, on left bank5 ft downstream from bridge on Secondary Road 1451 (East Manchester Road), 0.3 mi above Tank Creek and 0.2 mi downstream from bridge on Highway 87/24 North of Manchester.

DRAINAGE AREA.--348 mi^2.

PERIOD OF RECORD.--October 1938 to September 1950, July 2002 to current year. Occasional discharge measurements September 1968 to June 2002.

GAGE.--Water-stage recorder. Elevation of gage is 122.16 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	377	609	285	272	315	1,610	303	178	106	125	165	e1,010
2	348	481	274	267	294	1,370	318	341	95	137	163	e980
3	314	388	268	266	371	847	308	829	91	121	173	550
4	293	348	275	274	414	820	289	1,190	138	e110	e166	400
5	285	353	349	433	399	735	268	1,560	252	e92	126	295
6	277	347	368	594	410	945	248	738	178	e78	139	235
7	274	352	361	455	581	738	239	479	160	e68	116	233
8	298	350	328	401	547	517	233	370	147	84	91	1,320
9	380	339	304	351	526	456	225	298	132	e150	78	2,030
10	426	332	376	333	489	434	299	251	130	131	67	2,630
11	437	e328	670	e310	430	415	477	224	122	90	65	1,740
12	418	e324	751	304	415	406	481	206	120	105	65	895
13	400	320	1,150	358	520	393	553	199	112	e96	197	658
14	405	296	1,080	387	563	381	595	179	106	e94	283	718
15	446	283	917	e360	635	385	681	165	108	82	452	514
16	434	271	700	e340	623	414	544	158	117	63	531	498
17	422	269	648	e320	574	511	339	151	115	55	350	809
18	362	269	602	e340	564	699	293	145	121	60	260	1,020
19	327	357	553	e420	508	482	265	138	108	72	519	712
20	311	471	509	e350	454	417	246	142	93	78	415	609
21	297	474	458	e300	414	397	227	137	86	74	292	630
22	285	448	429	e280	380	369	216	129	84	61	544	406
23	268	394	410	270	e360	340	204	154	81	68	264	344
24	255	349	338	268	e340	349	192	263	92	69	182	400
25	257	326	325	350	331	458	183	238	102	60	149	385
26	250	309	316	359	336	422	180	171	446	59	133	277
27	260	298	301	369	e700	296	213	134	e260	53	124	291
28	319	301	290	377	845	277	208	111	e190	149	e112	568
29	769	301	283	387	1,350	269	195	98	140	130	124	386
30	750	292	283	396	---	266	182	145	121	122	963	409
31	723	---	279	330	---	281	---	123	---	148	e1,020	---
TOTAL	11,667	10,579	14,480	10,821	14,688	16,699	9,204	9,644	4,153	2,884	8,328	21,952
MEAN	376	353	467	349	506	539	307	311	138	93.0	269	732
MAX	769	609	1,150	594	1,350	1,610	681	1,560	446	150	1,020	2,630
MIN	250	269	268	266	294	266	180	98	81	53	65	233
CFSM	1.08	1.01	1.34	1.00	1.46	1.55	0.88	0.89	0.40	0.27	0.77	2.10
IN.	1.25	1.13	1.55	1.16	1.57	1.79	0.98	1.03	0.44	0.31	0.89	2.35

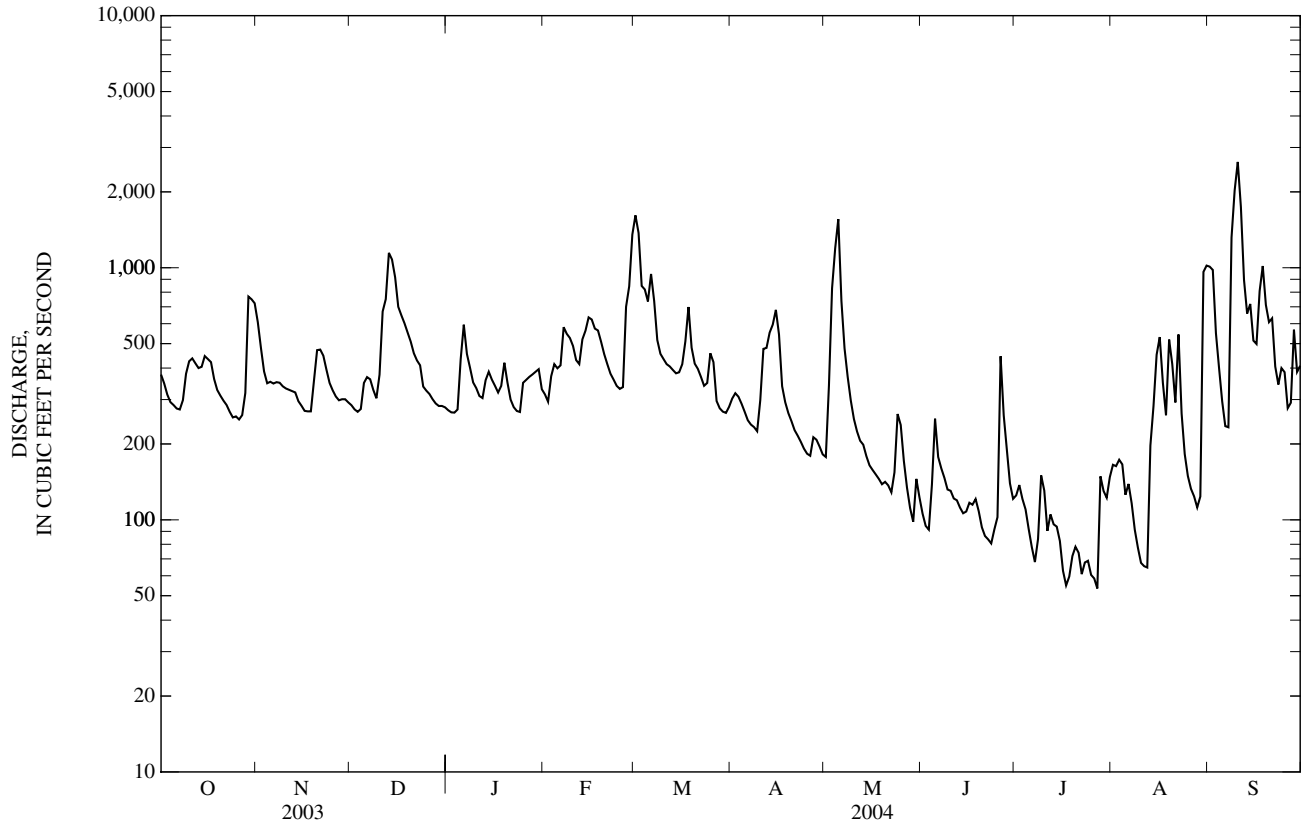
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004,@ BY WATER YEAR (WY)

MEAN	275	355	463	524	657	727	567	353	215	397	436	386
MAX	547	946	942	949	1,340	1,420	1,135	693	784	845	1,556	1,532
(WY)	(1946)	(1948)	(1949)	(1946)	(1948)	(1944)	(1944)	(2003)	(2003)	(2003)	(2003)	(1945)
MIN	33.7	70.2	166	192	218	402	265	145	91.1	39.2	37.6	46.2
(WY)	(1941)	(1942)	(1941)	(1942)	(1941)	(1941)	(1950)	(1941)	(1941)	(2002)	(2002)	(1940)

02103000 LITTLE RIVER AT MANCHESTER, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004[@]	
ANNUAL TOTAL	280,273		135,099			
ANNUAL MEAN	768		369		452	
HIGHEST ANNUAL MEAN					774	2003
LOWEST ANNUAL MEAN					229	1941
HIGHEST DAILY MEAN	5,010	Aug 11	2,630	Sep 10	9,000	Sep 18, 1945
LOWEST DAILY MEAN	250	Oct 26	53	Jul 27	19	Aug 11, 2002
ANNUAL SEVEN-DAY MINIMUM	267	Oct 21	63	Jul 21	21	Aug 8, 2002
MAXIMUM PEAK FLOW			2,850	Sep 10	5,090	Aug 11, 2003
MAXIMUM PEAK STAGE			18.33	Sep 10	24.72	Aug 11, 2003
INSTANTANEOUS LOW FLOW			49	Jul 17	16	Aug 13, 2002
ANNUAL RUNOFF (CFSM)	2.21		1.06		1.30	
ANNUAL RUNOFF (INCHES)	29.96		14.44		17.65	
10 PERCENT EXCEEDS	1,440		686		932	
50 PERCENT EXCEEDS	576		312		336	
90 PERCENT EXCEEDS	303		106		100	

[@] See PERIOD OF RECORD.
e Estimated.



02104000 CAPE FEAR RIVER AT FAYETTEVILLE, NC

LOCATION.--Lat 35°03'02", long 78°51'30", Cumberland County, Hydrologic Unit 03030004, at State Highway 24 bridge at Fayetteville, 0.3 mi upstream of Atlantic Coast Railroad bridge, 0.1 mi downstream of Cross Creek.

DRAINAGE AREA.--4,395 mi^2.

PERIOD OF RECORD.-- Discharge records January 1889 to September 1917, and October 1928 to September 1940. October 1986 to current year.

GAGE.--Water-stage recorder. Datum of gage is 20.52 ft above NGVD of 1929. Prior to March 4, 2003, at site 0.2 mi downstream at same datum. Satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum, 48.3 ft, Sept. 24, 1945.

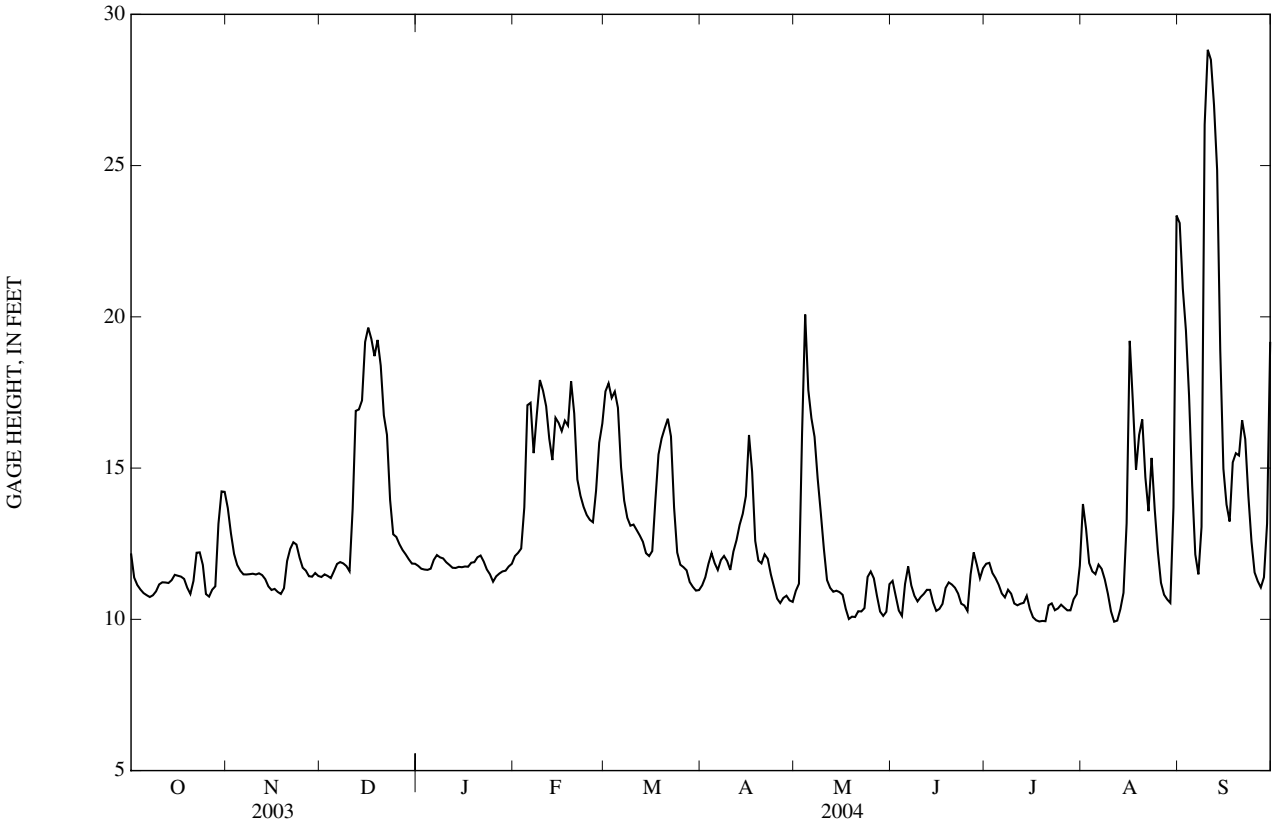
EXTREMES FOR PERIOD OF RECORD.--Maximum, 46.17 ft, Sept. 7, 1996; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum, 29.01 ft, Sept. 11; minimum, 9.89 ft, Aug. 11, 12.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.18	13.68	11.40	11.77	12.09	17.54	11.13	10.94	11.27	11.84	13.81	23.10
2	11.38	12.84	11.49	11.67	12.20	17.80	11.39	11.18	10.78	11.87	12.99	20.93
3	11.14	12.16	11.43	11.65	12.34	17.32	11.84	16.14	10.29	11.53	11.86	19.55
4	10.99	11.80	11.36	11.64	13.70	17.53	12.19	20.08	10.11	11.36	11.59	17.40
5	10.87	11.61	11.59	11.67	17.08	16.99	11.86	17.58	11.17	11.14	11.49	14.43
6	10.80	11.49	11.83	11.97	17.16	15.03	11.63	16.65	11.75	10.86	11.81	12.15
7	10.74	11.48	11.89	12.13	15.49	13.93	11.96	16.03	11.12	10.72	11.67	11.49
8	10.80	11.49	11.85	12.05	16.76	13.36	12.10	14.66	10.78	10.98	11.32	13.06
9	10.93	11.51	11.76	12.01	17.91	13.10	11.93	13.52	10.59	10.85	10.84	26.35
10	11.15	11.48	11.59	11.89	17.56	13.13	11.63	12.32	10.74	10.52	10.26	28.83
11	11.22	11.52	13.65	11.80	17.05	12.95	12.24	11.30	10.84	10.46	9.92	28.50
12	11.22	11.46	16.89	11.70	15.97	12.77	12.62	11.04	10.98	10.52	9.96	27.00
13	11.20	11.33	16.94	11.70	15.26	12.56	13.12	10.91	10.97	10.54	10.34	24.85
14	11.30	11.09	17.24	11.74	16.66	12.19	13.49	10.95	10.55	10.78	10.88	18.89
15	11.47	10.97	19.17	11.72	16.49	12.09	14.08	10.90	10.28	10.34	13.18	14.98
16	11.44	11.01	19.64	11.75	16.22	12.26	16.09	10.81	10.34	10.07	19.21	13.80
17	11.41	10.91	19.27	11.74	16.57	13.93	14.88	10.35	10.51	9.97	17.18	13.23
18	11.34	10.84	18.70	11.87	16.41	15.45	12.59	10.01	11.04	9.93	14.94	15.19
19	11.05	11.03	19.24	11.89	17.87	15.98	11.95	10.09	11.22	9.95	16.10	15.49
20	10.84	11.93	18.39	12.05	16.80	16.32	11.85	10.08	11.15	9.94	16.61	15.42
21	11.27	12.33	16.74	12.11	14.62	16.63	12.15	10.27	11.04	10.47	14.69	16.58
22	12.20	12.55	16.10	11.91	14.09	16.05	12.01	10.26	10.85	10.53	13.58	15.96
23	12.21	12.47	13.95	11.65	13.72	13.69	11.49	10.37	10.52	10.30	15.34	14.08
24	11.80	12.04	12.81	11.49	13.45	12.21	11.08	11.40	10.46	10.36	13.63	12.58
25	10.84	11.71	12.72	11.24	13.29	11.81	10.69	11.58	10.28	10.48	12.24	11.55
26	10.75	11.61	12.48	11.42	13.21	11.73	10.54	11.35	11.48	10.39	11.21	11.26
27	10.98	11.43	12.29	11.51	14.25	11.62	10.71	10.77	12.21	10.30	10.81	11.05
28	11.09	11.41	12.15	11.58	15.84	11.23	10.78	10.26	11.80	10.30	10.66	11.39
29	13.16	11.53	11.99	11.61	16.48	11.07	10.63	10.11	11.36	10.66	10.54	13.17
30	14.23	11.43	11.84	11.75	---	10.95	10.58	10.25	11.69	10.83	13.70	19.17
31	14.21	---	11.84	11.84	---	10.97	---	11.16	---	11.77	23.35	---
MEAN	11.49	11.67	14.20	11.76	15.40	13.88	12.04	12.04	10.94	10.66	13.09	17.05
MAX	14.23	13.68	19.64	12.13	17.91	17.80	16.09	20.08	12.21	11.87	23.35	28.83
MIN	10.74	10.84	11.36	11.24	12.09	10.95	10.54	10.01	10.11	9.93	9.92	11.05

02104000 CAPE FEAR RIVER AT FAYETTEVILLE, NC—Continued



02104220 ROCKFISH CREEK AT RAEFORD, NC

LOCATION.--Lat 34°59'59", long 79°12'53", Hoke County, Hydrologic Unit 03030004, at upstream side of bridge on U.S. Highway 401, 1.0 mi downstream of Nicholsons Creek, and 1.0 mile north of Raeford.

DRAINAGE AREA.--93.1 mi^2.

PERIOD OF RECORD.--July 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 178 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Minimum discharge for period of record also occurred July 23, 2002.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	134	237	101	102	103	281	119	79	73	105	97	455
2	128	168	99	101	97	263	117	107	65	95	111	295
3	123	126	97	101	117	232	108	174	59	77	127	203
4	121	116	99	101	138	196	103	224	64	80	95	129
5	120	115	121	104	132	160	98	270	121	70	73	112
6	118	117	129	128	120	140	94	201	111	60	70	107
7	120	123	124	124	163	135	92	114	97	54	66	132
8	130	122	112	108	150	129	92	93	87	50	58	577
9	164	117	105	105	120	122	92	85	89	50	56	820
10	178	112	112	111	109	120	96	80	106	59	55	505
11	183	108	171	108	105	117	169	76	89	59	53	327
12	171	108	210	104	122	115	184	74	77	65	67	242
13	153	107	216	106	162	114	220	80	71	67	159	182
14	145	103	218	104	168	111	213	77	69	62	192	149
15	168	101	195	101	181	112	176	73	73	54	221	156
16	167	101	175	99	177	122	129	70	82	49	234	165
17	154	102	160	96	165	133	109	68	105	47	201	168
18	139	103	144	107	153	135	101	66	103	60	158	193
19	132	115	137	122	136	126	97	66	83	70	97	212
20	127	148	129	114	123	119	93	84	67	115	84	199
21	123	159	120	102	115	116	89	83	60	95	74	165
22	120	154	114	98	109	114	86	81	61	72	138	128
23	118	130	111	97	105	107	84	97	60	127	205	117
24	116	112	113	96	104	105	82	127	74	111	151	111
25	114	107	117	95	104	104	80	130	84	76	92	109
26	118	104	113	99	104	104	83	99	157	68	78	108
27	121	103	108	100	152	102	103	76	193	65	77	108
28	131	105	106	107	237	102	102	69	145	84	74	126
29	221	107	105	111	271	100	87	63	98	144	83	140
30	285	103	105	112	---	99	80	72	79	105	380	136
31	299	---	104	110	---	108	---	86	---	97	520	---
TOTAL	4,641	3,633	4,070	3,273	4,042	4,143	3,378	3,144	2,702	2,392	4,146	6,576
MEAN	150	121	131	106	139	134	113	101	90.1	77.2	134	219
MAX	299	237	218	128	271	281	220	270	193	144	520	820
MIN	114	101	97	95	97	99	80	63	59	47	53	107
CFSM	1.61	1.30	1.41	1.13	1.50	1.44	1.21	1.09	0.97	0.83	1.44	2.35
IN.	1.85	1.45	1.63	1.31	1.62	1.66	1.35	1.26	1.08	0.96	1.66	2.63

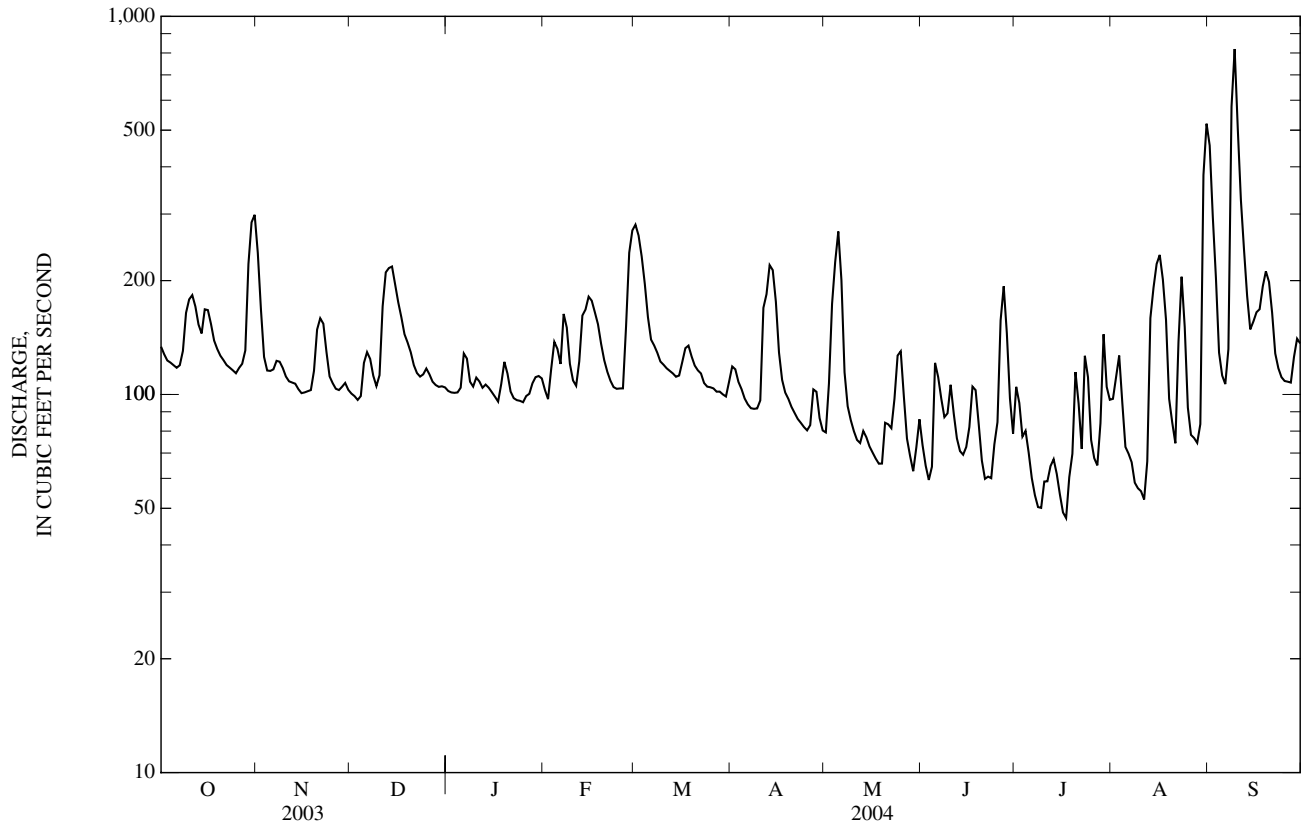
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	115	115	115	137	141	152	135	106	92.6	94.0	101	117
MAX	207	169	186	209	291	289	305	182	175	224	203	247
(WY)	(2000)	(1990)	(1990)	(1998)	(1998)	(1998)	(1998)	(1989)	(1989)	(1989)	(2003)	(1996)
MIN	60.0	62.4	68.0	90.4	84.7	78.4	72.0	51.9	31.2	28.8	39.1	47.4
(WY)	(2002)	(2002)	(2002)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL TOTAL	56,076		46,140			
ANNUAL MEAN	154		126		119	
HIGHEST ANNUAL MEAN					167	1998
LOWEST ANNUAL MEAN					60.8	2002
HIGHEST DAILY MEAN	586	Sep 20	820	Sep 9	884	Sep 7, 1996
LOWEST DAILY MEAN	76	May 15	47	Jul 17	20	Jul 22, 2002
ANNUAL SEVEN-DAY MINIMUM	82	Jan 23	57	Jul 6	22	Aug 10, 2002
MAXIMUM PEAK FLOW			903	Sep 9	1,030	Sep 7, 1996
MAXIMUM PEAK STAGE			8.05	Sep 9	8.29	Sep 7, 1996
INSTANTANEOUS LOW FLOW			47	Jul 17	19*	Jul 10, 2002
ANNUAL RUNOFF (CFSM)	1.65		1.35		1.28	
ANNUAL RUNOFF (INCHES)	22.41		18.44		17.33	
10 PERCENT EXCEEDS	238		193		198	
50 PERCENT EXCEEDS	129		109		100	
90 PERCENT EXCEEDS	93		70		57	

* See REMARKS.

02104220 ROCKFISH CREEK AT RAEFORD, NC—Continued



02105500 CAPE FEAR RIVER AT WILLIAM O. HUSKE LOCK NEAR TARHEEL, NC

LOCATION.--Lat 34°50'45", long 78°49'14", Bladen County, Hydrologic Unit 03030005, on right bank 100 ft upstream from William O. Huske Lock, 1 mi downstream of Cumberland-Bladen County line, 7 mi north of Tar Heel, 9 mi upstream from Phillips Creek, and at river mile 123.

DRAINAGE AREA.--4,852 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1937 to current year. Prior to October 1964, published as "Cape Fear River at Lock 3 near Tarheel".

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

GAGE.--Water-stage recorder and concrete lock and dam contro1. Datum of gage is 28.97 ft above NGVD of 1929. Prior to Jan. 8, 1939, nonrecording gage on upper lock wall 100 ft downstream at same datum. Auxiliary water-stage recorder 1.8 mi downstream of base gage; prior to Jan. 14, 1943, auxiliary nonrecording gage 400 ft downstream on lower end of lock wall; Jan. 14, 1943, to Sept. 30, 1953, auxiliary water-stage recorder at site 600 ft downstream. U.S. Army Corps of Engineers satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Slight regulation at high flow, December 1972 to August 1981, caused by temporary storage in B. Everett Jordan Lake. Flow regulated since September 1981 by B. Everett Jordan Lake (station 02098197). Slight diurnal fluctuation and some regulation for short periods at low flow caused by power plants above station. Prior to regulation, maximum discharge not determined; minimum discharge, 170 ft^3/s, Sep. 20, 1950. Minimum discharge during regulation from unknown source.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e3,600	4,880	e2,260	2,490	2,780	8,970	1,950	1,890	2,270	2,910	5,170	20,800
2	e2,500	3,890	e2,200	2,400	2,920	9,340	2,190	1,980	1,760	2,990	4,430	12,900
3	e2,200	3,130	e2,250	2,380	3,060	8,780	2,650	7,130	1,340	2,600	2,990	9,610
4	1,860	2,730	e2,200	2,360	4,260	8,850	3,050	12,900	1,130	2,370	2,620	7,800
5	1,760	2,520	e2,510	2,390	7,980	8,330	2,680	9,890	1,990	2,180	2,520	5,920
6	1,700	2,400	2,650	2,710	8,430	6,260	2,370	7,990	2,800	1,920	2,810	3,210
7	1,650	2,390	2,720	2,880	6,620	4,870	2,610	7,360	2,210	1,720	2,710	2,430
8	1,700	2,410	2,660	2,780	7,550	4,230	2,780	5,940	1,850	1,910	2,330	3,820
9	1,820	e2,380	2,590	2,760	9,180	3,810	2,720	4,540	1,660	1,910	1,890	23,400
10	2,000	e2,330	2,410	2,660	8,780	3,880	2,500	3,260	1,670	1,570	1,350	23,300
11	2,120	e2,250	4,350	2,560	8,190	3,650	3,170	2,090	1,910	1,510	1,020	22,200
12	2,120	2,360	8,300	2,450	7,140	3,490	3,590	1,850	1,930	1,550	1,060	20,100
13	2,090	2,270	8,150	2,450	6,190	3,380	4,170	1,730	2,080	1,550	1,400	17,100
14	2,120	e2,020	8,500	2,480	7,710	2,990	4,550	1,810	1,660	1,800	1,910	6,540
15	2,280	e1,900	10,800	2,480	7,810	2,900	5,080	1,850	1,360	1,430	4,140	6,450
16	2,270	e1,820	12,000	2,500	7,400	3,020	7,220	1,790	1,390	1,180	11,800	5,060
17	2,240	1,870	11,300	2,480	7,740	4,700	6,400	1,340	1,510	1,060	9,630	4,140
18	2,260	1,800	10,400	2,580	7,640	6,420	3,600	985	1,870	1,030	6,490	6,430
19	1,990	1,950	10,900	2,640	8,980	7,140	2,770	1,070	2,230	1,050	7,260	6,980
20	1,770	2,870	10,200	2,740	8,330	7,370	2,560	1,100	2,160	1,050	8,000	6,850
21	2,000	e3,300	7,860	2,810	5,560	7,830	2,860	1,310	2,070	1,440	6,130	7,640
22	2,990	3,480	7,070	2,650	4,930	7,100	2,740	1,320	1,950	1,580	4,500	7,520
23	3,020	3,440	4,930	2,450	4,480	4,600	2,340	1,390	1,650	1,380	6,730	5,260
24	2,710	2,990	3,470	2,320	4,140	2,890	2,080	2,290	1,540	1,430	4,870	3,750
25	1,840	e2,760	3,380	2,120	3,960	2,470	1,690	2,500	1,380	1,540	3,330	2,530
26	1,660	e2,560	3,160	2,260	3,890	2,430	1,460	2,290	2,260	1,460	2,220	2,230
27	1,860	e2,370	2,970	2,340	5,170	2,500	1,580	1,760	3,370	1,350	1,820	2,050
28	1,960	2,310	2,840	2,390	7,250	2,170	1,660	1,300	2,940	1,350	1,670	2,270
29	4,210	e2,300	2,680	2,370	7,870	1,930	1,520	1,200	2,450	1,730	1,570	3,520
30	e5,710	e2,340	2,560	2,480	---	1,730	1,460	1,280	2,690	1,940	4,720	10,400
31	5,520	---	2,540	2,570	---	1,750	---	2,030	---	2,670	17,800	---
TOTAL	75,530	78,020	162,810	77,930	185,940	149,780	88,000	97,165	59,080	53,160	136,890	262,210
MEAN	2,436	2,601	5,252	2,514	6,412	4,832	2,933	3,134	1,969	1,715	4,416	8,740
MAX	5,710	4,880	12,000	2,880	9,180	9,340	7,220	12,900	3,370	2,990	17,800	23,400
MIN	1,650	1,800	2,200	2,120	2,780	1,730	1,460	985	1,130	1,030	1,020	2,050

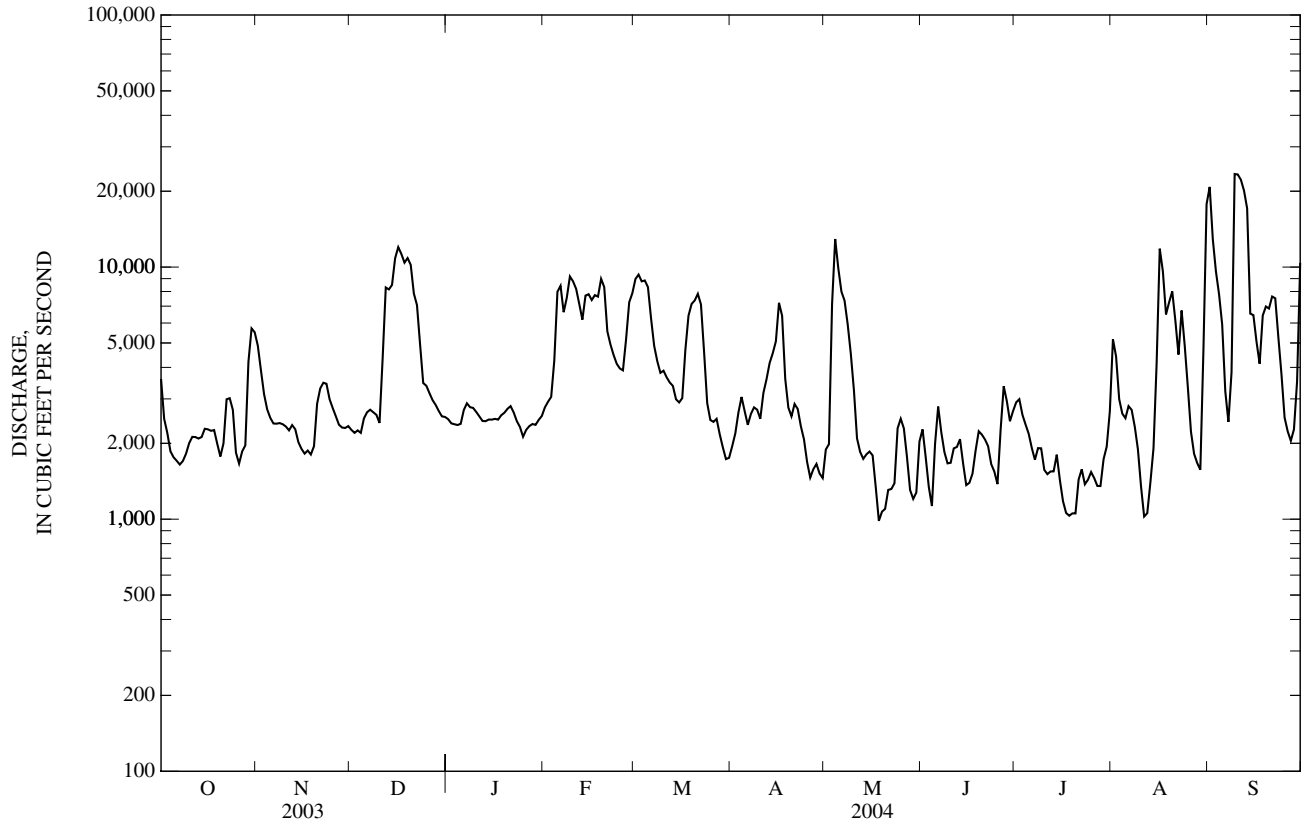
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2004,* BY WATER YEAR (WY)

MEAN	3,074	3,112	4,169	7,098	8,472	9,889	6,916	3,729	3,361	2,912	2,984	3,367
MAX	10,230	10,190	11,360	17,240	24,770	21,520	18,510	11,770	14,200	9,262	12,430	18,950
(WY)	(2000)	(1996)	(1984)	(1998)	(1998)	(1998)	(2003)	(1989)	(1982)	(1995)	(2003)	(1996)
MIN	979	978	1,004	1,633	2,799	2,510	1,508	882	846	699	701	935
(WY)	(1987)	(2002)	(2002)	(2001)	(1986)	(2002)	(1986)	(2002)	(2002)	(2002)	(2002)	(1990)

02105500 CAPE FEAR RIVER AT WILLIAM O. HUSKE LOCK NEAR TARHEEL, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1982 - 2004*	
ANNUAL TOTAL	3,159,050		1,426,515			
ANNUAL MEAN	8,655		3,898		4,905	
HIGHEST ANNUAL MEAN					9,689	2003
LOWEST ANNUAL MEAN					1,636	2002
HIGHEST DAILY MEAN	40,200	Apr 12	23,400	Sep 9	60,000	Sep 8, 1996
LOWEST DAILY MEAN	1,440	May 16	985	May 18	154	Aug 13, 1999
ANNUAL SEVEN-DAY MINIMUM	1,750	May 13	1,180	Jul 15	408	Aug 7, 2002
MAXIMUM PEAK FLOW			22,700	Sep 11	NOT DETERMINED	
MAXIMUM PEAK STAGE			13.97	Sep 11	26.75	Sep 8, 1996
INSTANTANEOUS LOW FLOW			926	May 18	36*	Aug 13, 1999
10 PERCENT EXCEEDS	20,200		7,980		13,000	
50 PERCENT EXCEEDS	6,000		2,560		2,380	
90 PERCENT EXCEEDS	2,030		1,530		983	

* Regulated period only (1982-2004). See REMARKS.
e Estimated.



02105500 CAPE FEAR RIVER AT WILLIAM O. HUSKE LOCK NEAR TARHEEL, NC—Continued

PRECIPITATION RECORDS

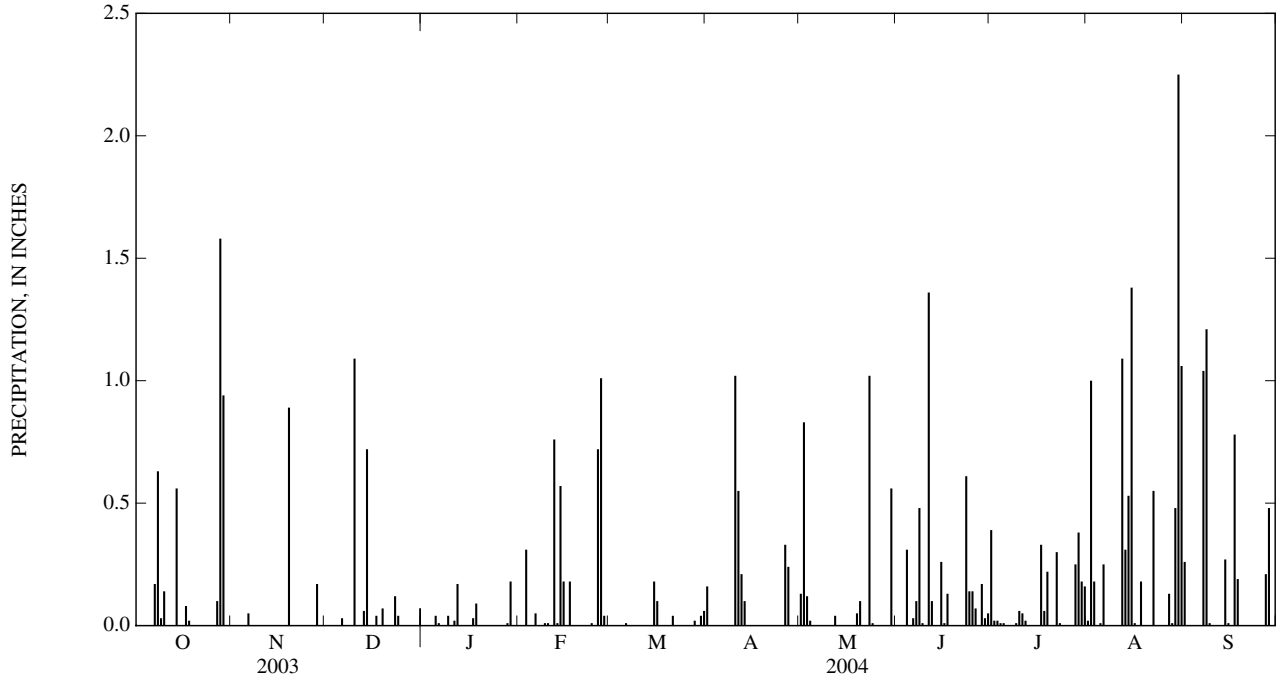
PERIOD OF RECORD.--October 2003 to September 2004. Prior precipitation records are unreliable and should not be used.

GAGE.--Tipping-bucket raingage and data collection platform. Satellite telemetry at station.

REMARKS.--Gage is operated in cooperation with the U.S. Army Corps of Engineers. Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.13	0.00	0.39	0.02	0.26
2	0.00	0.00	---	0.00	0.00	0.00	0.00	0.83	0.00	0.02	1.00	0.00
3	0.00	0.00	---	0.00	0.31	0.00	0.00	0.12	0.00	0.02	0.18	0.00
4	0.00	0.00	---	0.00	0.00	0.00	0.00	0.02	0.31	0.01	0.00	0.00
5	0.00	0.00	---	0.04	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00
6	0.00	0.05	0.03	0.01	0.05	0.01	0.00	0.00	0.03	0.00	0.25	0.00
7	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	1.04
8	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	1.21
9	0.03	0.00	0.00	0.04	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.01
10	0.14	0.00	1.09	0.00	0.01	0.00	1.02	0.00	0.00	0.06	0.00	0.00
11	0.00	0.00	0.00	0.02	0.00	0.00	0.55	0.00	1.36	0.05	0.00	0.00
12	0.00	0.00	0.00	0.17	0.76	0.00	0.21	0.04	0.10	0.02	1.09	0.00
13	0.00	0.00	0.06	0.00	0.01	0.00	0.10	0.00	0.00	0.00	0.31	0.00
14	0.56	0.00	0.72	0.00	0.57	0.00	0.00	0.00	0.00	0.00	0.53	0.27
15	0.00	0.00	0.00	0.00	0.18	0.18	0.00	0.00	0.26	0.00	1.38	0.01
16	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.01	0.00	0.01	0.00
17	0.08	0.00	0.04	0.03	0.18	0.00	0.00	0.00	0.13	0.33	0.00	0.78
18	0.02	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.06	0.18	0.19
19	0.00	0.89	0.07	0.00	0.00	0.00	0.00	0.05	0.00	0.22	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.55	0.00
23	0.00	0.00	0.12	0.00	0.00	0.00	0.00	1.02	0.61	0.01	0.00	0.00
24	0.00	0.00	0.04	0.00	0.01	0.00	0.00	0.01	0.14	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.72	0.00	0.33	0.00	0.07	0.00	0.00	0.00
27	0.10	0.00	0.00	0.00	1.01	0.00	0.24	0.00	0.00	0.00	0.13	0.21
28	1.58	0.17	0.00	0.01	0.04	0.02	0.00	0.00	0.17	0.25	0.01	0.48
29	0.94	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.03	0.38	0.48	0.00
30	0.00	0.00	0.00	0.00	---	0.04	0.00	0.56	0.05	0.18	2.25	0.00
31	0.00	---	0.00	0.00	---	0.06	---	0.00	---	0.16	1.06	---
TOTAL	4.25	1.11	---	0.59	3.86	0.45	2.61	2.88	4.00	2.48	9.44	4.46



02105500 CAPE FEAR RIVER AT WILLIAM O. HUSKE LOCK NEAR TARHEEL, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947, 1955, 2000 to February 2004 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June 2000 to February 2004.
pH: June 2000 to February 2004.
WATER TEMPERATURE: June 2000 to February 2004.
DISSOLVED OXYGEN: June 2000 to February 2004.
DISSOLVED OXYGEN, PERCENT SATURATION: June 2000 to February 2004.
TURBIDITY: October 2000 to February 2003.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from June 2000 to February 2004.

REMARKS.--Station operated in cooperation with the Middle Cape Fear River Association. The constituents were monitored at approximately 10 ft above the streambed. On June 28, 2002 the data sonde was raised to approximately 16 ft above the streambed. Beginning October 1, 2000 dissolved oxygen, percent saturation was computed using a barometric pressure of 760mm Hg. Daily records of water temperature for water years 1947 and 1955 are available in the files of the District Office in Raleigh, NC.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	291, September 3, 2002	38, April 12, 13, 14, 2003
pH, standard units	9.6, August 25, 2002	5.6, August 13, 14, 2003
WATER TEMPERATURE, °C	32.3, July 31, 2002	2.5, January 28, 2003
DISSOLVED OXYGEN, mg/L	13.4, January 30, 2001, January 28, 29, 2003	1.3, June 14, 2002
DISSOLVED OXYGEN, PERCENT SATURATION,%	130, July 16, 2000	17, June 14, 2002
TURBIDITY, NTU	420, January 24, 2002	0.9, May 19, 2002

EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	132, December 7, 8	82, October 14, 16
pH, standard units	7.6, February 3	5.9, October 31, November 1
WATER TEMPERATURE, °C	21.4, October 1	3.4, January 30
DISSOLVED OXYGEN, mg/L	13.3, February 2, 3, 4	6.1, October 12, 13
DISSOLVED OXYGEN, PERCENT SATURATION,%	104, February 3, 4	64, November 22, 26, 27, 29, December 1

02105500 CAPE FEAR RIVER AT WILLIAM O. HUSKE LOCK NEAR TARHEEL, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	95	92	94	98	88	91	130	128	129	90	89	89
2	95	92	94	99	98	99	129	126	128	90	87	89
3	95	92	94	99	97	98	127	124	125	89	88	88
4	95	92	94	103	99	100	128	126	126	90	88	89
5	95	92	94	108	102	105	131	127	129	92	90	91
6	95	91	93	115	108	112	131	129	130	92	90	91
7	91	89	90	121	114	117	132	129	130	92	90	91
8	90	88	89	124	121	123	132	125	128	90	89	90
9	91	89	90	124	121	122	125	122	123	90	88	89
10	91	88	90	123	121	122	124	121	123	95	90	93
11	90	88	89	124	122	123	122	108	119	98	95	97
12	88	87	87	126	123	125	115	108	111	98	96	97
13	88	85	87	126	123	124	126	92	114	96	93	95
14	86	82	84	126	125	125	103	90	96	96	93	94
15	85	83	84	127	123	125	107	103	106	97	95	97
16	85	82	84	124	120	123	111	102	107	97	96	97
17	87	84	85	121	116	119	110	102	106	99	97	98
18	89	87	88	116	114	115	106	98	100	100	97	99
19	90	89	89	116	113	115	116	101	108	103	100	102
20	92	89	91	121	116	118	116	112	115	105	103	105
21	94	91	92	116	105	108	112	105	108	106	102	104
22	96	93	95	110	105	108	105	104	104	102	97	99
23	109	95	100	105	99	102	107	105	106	103	99	101
24	117	109	113	116	103	110	105	102	104	105	103	104
25	120	117	119	117	115	116	102	90	93	110	105	109
26	122	119	121	118	117	117	90	86	87	111	109	111
27	123	121	122	120	118	119	87	85	86	110	108	109
28	121	111	118	124	117	120	86	84	85	120	109	113
29	111	100	107	131	124	128	87	86	86	116	111	113
30	100	91	94	131	129	130	89	87	88	112	110	110
31	95	88	91	---	---	---	90	89	89	111	110	111
MONTH	123	82	96	131	88	115	132	84	109	120	87	99
		FEBRUARY			MARCH			APRIL			MAY	
1	112	110	112	---	---	---	---	---	---	---	---	---
2	112	109	111	---	---	---	---	---	---	---	---	---
3	116	112	114	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02105500 CAPE FEAR RIVER AT WILLIAM O. HUSKE LOCK NEAR TARHEEL, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.4	6.3	6.3	6.0	5.9	6.0	6.5	6.5	6.5	6.4	6.4	6.4
2	6.3	6.3	6.3	6.1	6.0	6.0	6.5	6.5	6.5	6.4	6.4	6.4
3	6.3	6.3	6.3	6.2	6.0	6.1	6.6	6.5	6.5	6.5	6.4	6.4
4	6.3	6.3	6.3	6.3	6.2	6.2	6.6	6.6	6.6	6.5	6.4	6.4
5	6.3	6.2	6.3	6.3	6.2	6.3	6.6	6.5	6.5	6.7	6.5	6.5
6	6.3	6.1	6.2	6.3	6.3	6.3	6.5	6.4	6.4	6.7	6.7	6.7
7	6.2	6.1	6.1	6.3	6.3	6.3	6.5	6.4	6.4	6.7	6.6	6.7
8	6.2	6.1	6.1	6.4	6.3	6.3	6.4	6.4	6.4	6.7	6.6	6.7
9	6.4	6.1	6.3	6.4	6.3	6.4	6.4	6.4	6.4	6.7	6.6	6.6
10	6.4	6.3	6.3	6.4	6.4	6.4	6.5	6.4	6.4	6.8	6.7	6.7
11	6.4	6.3	6.3	6.4	6.4	6.4	6.5	6.3	6.4	6.9	6.7	6.8
12	6.4	6.2	6.3	6.5	6.4	6.4	6.6	6.3	6.4	6.9	6.8	6.8
13	6.3	6.2	6.2	6.5	6.5	6.5	6.6	6.2	6.4	6.9	6.8	6.8
14	6.3	6.2	6.2	6.5	6.4	6.4	6.5	6.2	6.3	6.9	6.8	6.8
15	6.3	6.2	6.2	6.4	6.4	6.4	6.7	6.3	6.4	6.9	6.9	6.9
16	6.4	6.2	6.2	6.4	6.3	6.3	6.8	6.2	6.5	6.9	6.9	6.9
17	6.3	6.2	6.2	6.4	6.3	6.3	6.8	6.3	6.5	6.9	6.9	6.9
18	6.4	6.2	6.3	6.4	6.3	6.3	6.8	6.3	6.5	6.9	6.9	6.9
19	6.3	6.2	6.2	6.4	6.3	6.4	6.9	6.4	6.6	7.0	6.9	6.9
20	6.3	6.2	6.2	6.4	6.3	6.4	7.0	6.5	6.7	7.0	6.9	7.0
21	6.3	6.2	6.2	6.3	6.2	6.2	6.9	6.5	6.6	7.0	6.9	7.0
22	6.4	6.2	6.3	6.3	6.3	6.3	7.0	6.5	6.6	7.0	6.9	7.0
23	6.6	6.3	6.4	6.4	6.3	6.3	6.7	6.6	6.7	7.0	7.0	7.0
24	6.6	6.5	6.6	6.4	6.3	6.4	6.6	6.5	6.6	7.2	7.0	7.1
25	6.6	6.4	6.5	6.4	6.4	6.4	6.5	6.4	6.5	7.2	7.2	7.2
26	6.5	6.4	6.4	6.4	6.4	6.4	6.5	6.3	6.4	7.2	7.1	7.2
27	6.4	6.4	6.4	6.5	6.4	6.4	6.4	6.3	6.3	7.2	7.1	7.2
28	6.4	6.3	6.4	6.5	6.4	6.5	6.4	6.3	6.4	7.2	7.1	7.2
29	6.4	6.2	6.3	6.5	6.5	6.5	6.4	6.4	6.4	7.2	7.1	7.1
30	6.2	6.0	6.0	6.5	6.5	6.5	6.4	6.4	6.4	7.2	7.1	7.2
31	6.1	5.9	6.0	---	---	---	6.4	6.4	6.4	7.3	7.2	7.2
MONTH	6.6	5.9	6.3	6.5	5.9	6.3	7.0	6.2	6.5	7.3	6.4	6.9
		FEBRUARY			MARCH			APRIL			MAY	
1	7.4	7.2	7.3	---	---	---	---	---	---	---	---	---
2	7.5	7.3	7.4	---	---	---	---	---	---	---	---	---
3	7.6	7.4	7.5	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
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31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02105500 CAPE FEAR RIVER AT WILLIAM O. HUSKE LOCK NEAR TARHEEL, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	21.4	20.9	21.1	16.1	15.4	15.8	12.1	11.5	11.8	7.1	6.8	7.0
2	21.0	20.1	20.6	16.4	15.8	16.1	11.5	10.6	11.1	7.3	7.0	7.1
3	20.1	19.6	19.7	16.5	16.1	16.3	10.6	9.2	9.9	8.0	7.3	7.6
4	20.0	19.1	19.4	17.4	16.5	16.9	9.2	8.5	8.8	8.6	8.0	8.3
5	19.6	18.7	19.1	18.1	17.1	17.5	8.5	8.4	8.4	10.0	8.6	9.3
6	19.4	18.7	19.0	18.9	18.0	18.4	8.5	8.2	8.4	10.9	10.0	10.5
7	19.3	18.9	19.1	19.3	18.8	19.1	8.2	7.9	8.0	10.9	10.4	10.7
8	19.3	19.1	19.2	19.4	19.0	19.3	7.9	7.6	7.7	10.4	9.1	9.7
9	19.7	19.2	19.4	19.0	18.0	18.5	7.6	7.4	7.5	9.1	7.4	8.2
10	19.7	19.6	19.7	18.0	16.8	17.4	7.9	7.4	7.6	7.4	5.8	6.5
11	19.7	19.6	19.7	16.8	15.8	16.3	9.0	7.8	8.2	5.8	5.2	5.4
12	20.1	19.5	19.7	16.1	15.4	15.6	9.5	8.8	9.1	5.2	5.0	5.1
13	20.6	19.6	19.9	15.5	15.0	15.3	9.3	7.8	8.1	5.1	4.8	5.0
14	20.2	20.0	20.1	15.0	14.6	14.8	8.1	7.3	7.7	5.2	4.9	5.0
15	20.2	19.7	20.0	14.6	14.2	14.4	7.4	7.3	7.3	5.7	5.2	5.4
16	20.0	19.2	19.6	14.4	13.7	13.9	7.3	7.0	7.1	6.1	5.7	5.9
17	19.5	18.8	19.0	14.5	13.7	13.9	7.1	6.9	7.0	6.3	6.1	6.2
18	18.8	18.1	18.5	14.4	13.6	13.9	7.1	6.8	7.0	6.7	6.2	6.4
19	18.5	17.7	18.0	14.5	14.0	14.2	7.0	6.5	6.8	6.9	6.6	6.8
20	18.5	17.4	17.7	15.0	14.3	14.7	7.0	6.4	6.7	6.9	6.6	6.7
21	18.1	17.2	17.5	15.3	15.0	15.1	6.4	6.0	6.2	6.7	6.2	6.4
22	18.0	17.4	17.7	15.0	14.6	14.9	6.1	5.8	5.9	6.2	5.7	6.0
23	17.8	17.4	17.6	14.6	13.9	14.2	6.5	5.8	6.1	5.7	5.2	5.5
24	17.6	17.1	17.4	14.1	13.8	13.9	7.3	6.5	6.8	5.5	5.0	5.3
25	17.4	16.8	17.1	14.0	13.6	13.9	7.5	7.3	7.4	5.5	5.0	5.2
26	17.3	16.8	17.0	13.6	13.3	13.5	7.8	7.5	7.7	5.0	4.6	4.8
27	17.4	16.8	17.1	13.5	13.1	13.2	7.8	7.4	7.7	4.6	3.9	4.3
28	17.4	17.2	17.3	13.5	13.2	13.3	7.4	6.5	7.0	4.0	3.6	3.8
29	17.2	16.9	17.1	13.3	12.7	13.0	6.5	6.1	6.2	3.8	3.5	3.6
30	16.9	16.2	16.4	12.7	12.1	12.4	6.6	5.9	6.2	3.9	3.4	3.6
31	16.3	15.7	15.9	---	---	---	6.9	6.3	6.6	4.3	3.9	4.1
MONTH	21.4	15.7	18.6	19.4	12.1	15.3	12.1	5.8	7.7	10.9	3.4	6.3
		FEBRUARY			MARCH			APRIL			MAY	
1	4.5	4.1	4.3	---	---	---	---	---	---	---	---	---
2	4.6	4.1	4.4	---	---	---	---	---	---	---	---	---
3	4.9	4.5	4.7	---	---	---	---	---	---	---	---	---
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02105500 CAPE FEAR RIVER AT WILLIAM O. HUSKE LOCK NEAR TARHEEL, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.6	6.3	6.5	8.4	7.8	8.1	7.8	6.9	7.3	11.9	11.2	11.5
2	6.9	6.3	6.6	8.3	7.5	7.9	8.1	7.2	7.5	11.4	10.9	11.2
3	7.0	6.6	6.8	8.0	7.3	7.6	8.9	7.6	8.0	11.2	10.7	11.0
4	7.2	6.8	6.9	7.6	7.1	7.3	9.0	8.2	8.5	11.2	10.6	10.9
5	7.2	6.7	6.9	7.5	7.0	7.2	9.4	8.5	8.8	11.0	9.9	10.6
6	7.0	6.7	6.8	7.4	6.8	7.1	9.5	8.6	8.9	10.5	9.5	10.0
7	6.9	6.6	6.8	7.1	6.5	6.8	9.6	8.5	8.9	10.0	9.1	9.6
8	7.0	6.6	6.8	6.9	6.4	6.6	9.3	8.3	8.8	10.0	8.8	9.6
9	7.0	6.3	6.7	7.1	6.5	6.7	9.7	8.8	9.2	10.5	9.3	10.0
10	6.8	6.2	6.5	7.1	6.6	6.8	9.7	9.0	9.2	11.2	10.0	10.7
11	6.8	6.2	6.5	7.2	6.5	6.9	10.6	9.1	9.7	11.6	10.6	11.1
12	6.7	6.1	6.4	7.7	7.0	7.3	11.0	9.9	10.4	11.7	10.6	11.2
13	6.8	6.1	6.5	8.0	7.2	7.5	11.5	10.5	11.1	11.8	10.8	11.4
14	6.9	6.2	6.5	7.8	7.1	7.5	11.9	11.0	11.4	12.1	11.1	11.6
15	6.8	6.3	6.6	7.9	7.0	7.3	11.8	11.5	11.6	12.2	11.1	11.6
16	7.0	6.5	6.7	7.6	7.0	7.2	12.1	11.4	11.8	11.8	10.9	11.4
17	7.2	6.6	6.9	7.6	7.0	7.3	12.4	11.8	12.1	11.5	10.3	11.1
18	7.4	6.7	7.0	7.8	7.1	7.4	12.2	11.7	11.9	11.5	10.6	11.1
19	7.6	7.0	7.2	7.8	7.2	7.5	12.2	11.8	12.0	11.6	10.6	11.2
20	7.7	7.1	7.4	8.0	7.0	7.4	12.4	11.9	12.2	11.5	10.6	11.1
21	7.8	7.0	7.3	7.5	6.5	6.8	12.5	12.0	12.2	11.4	10.8	11.1
22	7.9	7.1	7.5	7.1	6.5	6.7	12.6	12.0	12.3	11.7	10.9	11.4
23	8.0	7.1	7.5	7.3	6.6	6.9	12.6	12.0	12.3	12.1	11.1	11.7
24	7.9	7.4	7.6	7.6	6.9	7.1	12.4	11.7	12.1	12.5	11.2	11.8
25	8.0	7.3	7.6	7.6	6.7	7.0	12.0	11.3	11.6	12.2	11.0	11.8
26	8.6	7.2	7.7	7.6	6.7	7.0	11.6	10.8	11.2	12.1	11.0	11.8
27	8.2	7.5	7.7	7.5	6.7	6.9	11.3	10.6	11.0	12.3	11.4	11.9
28	8.1	7.4	7.7	7.4	6.8	7.1	11.6	10.9	11.3	12.7	11.5	12.1
29	8.3	7.6	7.9	7.6	6.8	7.1	12.0	11.3	11.7	12.8	11.7	12.4
30	8.3	7.5	7.9	7.5	6.9	7.1	12.0	11.5	11.8	13.1	11.9	12.7
31	8.3	7.6	8.0	---	---	---	12.1	11.3	11.7	13.1	12.2	12.7
MONTH	8.6	6.1	7.1	8.4	6.4	7.2	12.6	6.9	10.6	13.1	8.8	11.3
		FEBRUARY			MARCH			APRIL			MAY	
1	13.1	12.2	12.7	---	---	---	---	---	---	---	---	---
2	13.3	12.2	12.8	---	---	---	---	---	---	---	---	---
3	13.3	12.4	12.9	---	---	---	---	---	---	---	---	---
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02105500 CAPE FEAR RIVER AT WILLIAM O. HUSKE LOCK NEAR TARHEEL, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	75	71	73	85	79	82	72	64	67	98	92	95
2	77	70	73	84	77	80	73	66	69	95	90	92
3	77	72	75	82	75	78	78	68	71	95	90	92
4	79	74	75	78	74	76	78	71	74	96	91	93
5	79	72	75	78	73	76	80	73	76	96	87	93
6	76	72	74	79	73	75	81	73	76	94	86	90
7	75	71	74	76	71	74	81	72	76	91	82	86
8	76	71	74	75	69	72	78	70	74	87	78	84
9	76	69	73	75	69	72	81	74	77	88	80	85
10	74	68	71	75	68	71	82	75	77	91	83	87
11	75	68	71	74	67	71	90	77	83	92	84	88
12	74	67	70	78	70	73	95	86	91	92	83	88
13	76	68	71	80	72	75	97	91	94	93	85	89
14	76	68	72	77	70	74	99	93	96	95	87	91
15	75	69	73	78	69	72	98	96	97	96	88	92
16	77	71	74	74	68	70	100	95	98	95	88	91
17	78	71	74	74	68	71	102	97	99	93	84	90
18	79	72	75	77	69	72	101	97	98	94	86	90
19	80	74	76	77	70	74	101	97	99	95	87	92
20	82	74	78	79	69	73	102	97	100	94	87	91
21	82	73	77	75	65	68	101	97	99	93	88	90
22	83	74	79	70	64	66	101	96	99	94	88	91
23	84	75	79	71	65	68	102	97	99	96	88	93
24	83	77	80	74	67	69	102	97	99	99	88	93
25	84	75	79	74	65	68	100	94	97	97	87	93
26	90	76	80	73	64	67	97	91	94	95	86	92
27	86	77	80	71	64	66	95	89	92	96	88	91
28	85	77	80	71	65	68	96	90	94	97	87	92
29	86	79	82	73	64	67	97	92	94	97	89	94
30	85	77	81	70	65	67	97	92	95	100	90	96
31	84	78	81	---	---	---	98	93	96	101	94	97
MONTH	90	67	76	85	64	72	102	64	89	101	78	91
		FEBRUARY			MARCH			APRIL			MAY	
1	101	94	98	---	---	---	---	---	---	---	---	---
2	103	94	99	---	---	---	---	---	---	---	---	---
3	104	96	101	---	---	---	---	---	---	---	---	---
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02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC

LOCATION.--Lat 34°24'16", long 78°17'37", Bladen County, Hydrologic Unit 03030005, on right bank near upstream end of Lock 1, 1.3 mi upstream from Natmore Creek, 2.0 mi upstream from bridge on State Highway 11, 4.6 mi southeast of Kelly, and at river mile 67.

DRAINAGE AREA.--5,255 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1969 to current year.

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

GAGE.--Water-stage recorder with concrete lock and dam control. Datum of gage is 2.90 ft below NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Slight regulation at high flow December 1972 to August 1981, caused by storage in B. Everett Jordan Lake. Flow regulated since September 1981 by B. Everett Jordan Lake (station 02098197). Slight diurnal fluctuation and some regulation for short periods at low flow caused by power plants upstream from station. The City of Wilmington diverted an average of 26.3 ft^3/s for municipal water supply, most of which was returned downstream of station as treated effluent. Prior to regulation, maximum discharge: 57,000 ft^3/s, March 3, 1979; gage height: 24.92 ft, from floodmarks. Minimum discharge prior to regulation, 406 ft^3/s, July 1, 1981. Minimum discharge for period of record not determined due to fish lockage.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6,370	6,420	2,550	3,190	3,180	9,320	2,300	1,870	2,360	2,840	3,940	14,600
2	3,640	5,540	2,530	3,100	3,400	9,970	2,390	1,990	2,280	3,280	5,470	16,100
3	2,540	4,460	2,580	3,010	3,510	10,300	2,620	4,190	1,800	3,060	4,310	15,700
4	2,230	3,610	2,570	2,960	3,930	10,000	3,110	9,180	1,330	2,680	3,260	14,400
5	2,040	3,140	2,760	2,930	5,870	9,920	3,330	11,300	1,370	2,460	2,880	11,600
6	1,880	2,930	3,040	3,080	8,390	9,240	3,030	10,400	2,420	2,140	2,860	7,480
7	1,630	2,920	3,230	3,350	8,560	7,330	2,920	9,140	2,700	1,720	3,090	4,530
8	1,720	3,030	3,200	3,430	7,330	5,970	3,190	8,050	2,150	1,630	2,810	4,060
9	1,870	2,990	3,160	3,410	8,430	5,250	3,280	6,460	1,820	1,790	2,400	8,800
10	1,980	2,890	3,030	3,370	9,320	5,120	3,070	5,270	1,580	1,730	1,830	16,400
11	2,150	2,660	3,800	3,230	9,230	4,770	3,140	3,750	1,870	1,680	1,300	19,100
12	2,190	2,620	6,730	3,090	8,880	4,490	4,720	2,730	2,110	1,680	1,080	20,600
13	2,150	2,540	8,830	3,000	7,960	4,320	5,610	2,420	2,230	1,700	1,570	21,200
14	2,210	2,290	9,580	2,990	7,620	3,940	6,170	2,310	2,070	1,820	2,740	20,600
15	2,370	2,050	10,400	3,020	8,790	3,640	6,200	2,130	1,880	1,800	5,120	16,900
16	2,480	1,950	11,700	3,000	8,830	3,560	6,800	2,030	1,640	1,460	9,200	10,700
17	2,440	1,960	12,200	3,000	8,650	4,080	7,920	1,850	1,690	1,220	12,800	6,820
18	2,410	1,930	12,100	3,030	8,870	5,690	6,410	1,490	1,960	1,180	11,200	6,300
19	2,230	1,930	11,700	3,150	8,840	7,040	4,500	1,250	2,440	1,140	8,830	7,760
20	1,910	2,610	11,800	3,190	9,800	7,480	3,620	1,200	2,530	1,150	9,390	8,030
21	1,760	3,530	11,000	3,400	8,640	7,970	3,550	1,260	2,400	1,230	9,400	7,920
22	2,390	3,860	9,360	3,420	6,700	8,080	3,670	1,320	2,250	1,610	7,140	8,870
23	3,050	4,030	8,090	3,230	5,860	7,360	3,390	1,310	1,980	1,610	6,840	7,850
24	3,130	3,790	5,850	2,950	5,430	5,170	2,710	1,790	1,760	1,520	7,460	5,900
25	2,490	3,290	4,770	2,740	5,160	3,650	2,160	2,730	1,600	1,560	5,800	3,940
26	1,770	2,950	4,400	2,680	5,150	3,130	1,870	2,800	1,670	1,590	4,010	2,900
27	1,710	2,770	4,050	2,880	5,800	3,010	2,180	2,470	2,990	1,480	2,980	2,520
28	1,910	2,580	3,810	3,010	7,510	2,760	2,300	1,950	3,540	1,370	2,520	2,410
29	3,660	2,580	3,590	3,120	8,680	2,490	2,200	1,430	2,880	1,510	2,280	2,870
30	6,300	2,630	3,390	3,090	---	2,360	1,950	1,280	2,550	1,870	2,900	6,310
31	6,770	---	3,230	3,080	---	2,320	---	1,530	---	2,070	8,480	---
TOTAL	83,380	92,480	189,030	96,130	208,320	179,730	110,310	108,880	63,850	55,580	155,890	303,170
MEAN	2,690	3,083	6,098	3,101	7,183	5,798	3,677	3,512	2,128	1,793	5,029	10,110
MAX	6,770	6,420	12,200	3,430	9,800	10,300	7,920	11,300	3,540	3,280	12,800	21,200
MIN	1,630	1,930	2,530	2,680	3,180	2,320	1,870	1,200	1,330	1,140	1,080	2,410

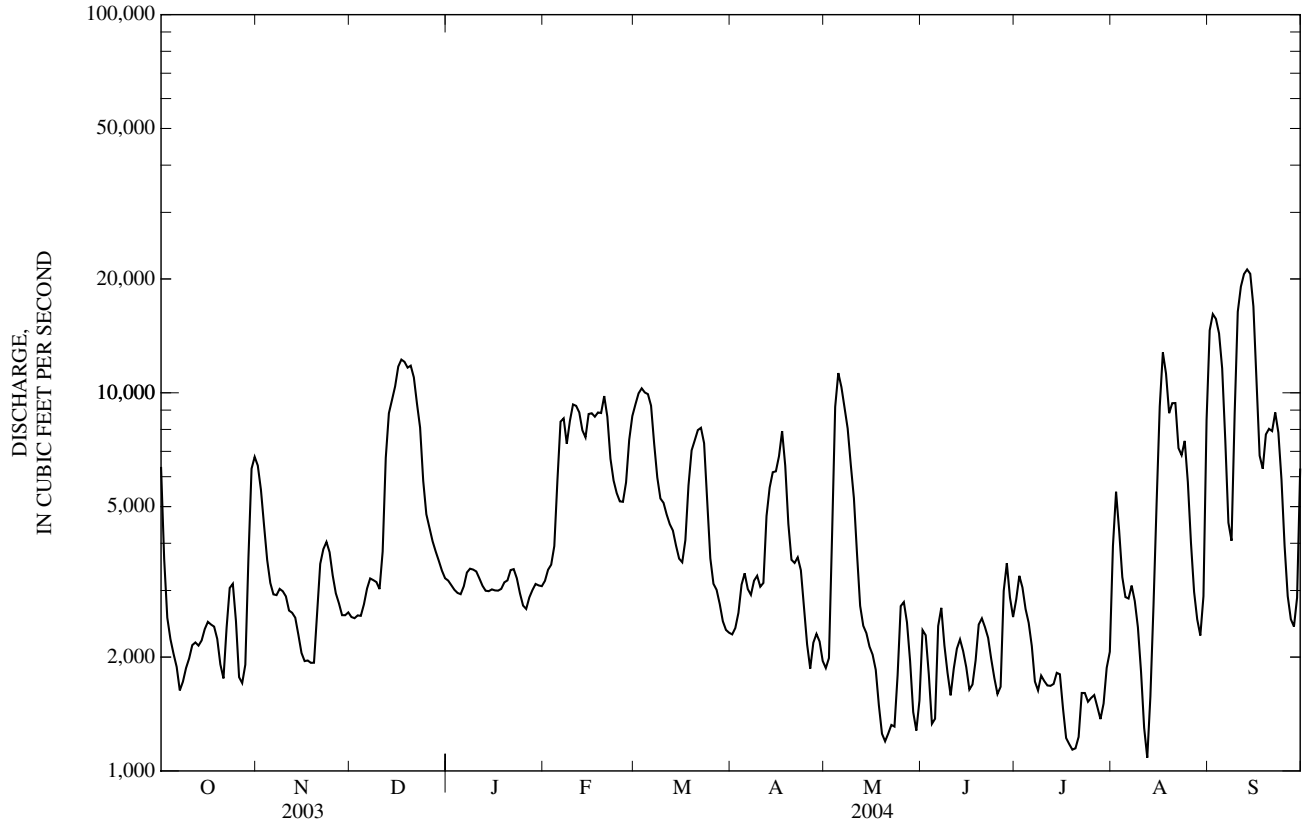
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2004,* BY WATER YEAR (WY)

MEAN	3,560	3,443	4,751	7,895	9,450	10,960	8,144	4,117	3,861	3,175	3,385	4,126
MAX	15,080	11,390	11,050	17,180	27,780	23,830	21,650	12,110	15,070	10,860	13,400	22,580
(WY)	(2000)	(1996)	(1984)	(1998)	(1998)	(1998)	(2003)	(1989)	(1982)	(1995)	(2003)	(1996)
MIN	1,023	1,062	1,111	1,717	2,992	3,016	1,667	968	874	802	776	985
(WY)	(1999)	(2002)	(2002)	(2001)	(2001)	(2002)	(1986)	(2002)	(2002)	(2002)	(2002)	(1990)

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1982 - 2004*	
ANNUAL TOTAL	3,546,260		1,646,750			
ANNUAL MEAN	9,716		4,499		5,551	
HIGHEST ANNUAL MEAN					10,740	2003
LOWEST ANNUAL MEAN					1,833	2002
HIGHEST DAILY MEAN	42,800	Apr 15	21,200	Sep 13	47,600	Sep 11, 1996
LOWEST DAILY MEAN	1,630	Oct 7	1,080	Aug 12	179	Aug 10, 2002
ANNUAL SEVEN-DAY MINIMUM	1,900	Oct 5	1,280	Jul 16	350	Aug 7, 2002
MAXIMUM PEAK FLOW			21,300	Sep 13	48,300	Sep 11, 1996
MAXIMUM PEAK STAGE			20.48	Sep 13	24.29	Sep 11, 1996
INSTANTANEOUS LOW FLOW			1,030	Aug 12	NOT DETERMINED*	
10 PERCENT EXCEEDS	21,400		9,210		14,800	
50 PERCENT EXCEEDS	7,330		3,080		2,840	
90 PERCENT EXCEEDS	2,200		1,690		1,050	

* Regulated period only (1982-2004). See REMARKS.



02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1956 to 1996, September 1999, 2003 to December 2004 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January 1973 to September 1984, September 2003 to December 2004.
SALINITY: September 2003 to December 2004.
pH: September 2003 to December 2004.
WATER TEMPERATURE: January 1973 to September 1984, September 2003 to December 2004.
DISSOLVED OXYGEN: September 2003 to December 2004.
DISSOLVED OXYGEN, PERCENT SATURATION: September 2003 to December 2004.

INSTRUMENTATION.--Water-quality monitor from May 1973 to September 1984 and September 2003 to December 2004.

REMARKS.--Station operated as part of NASQAN network from January 1973 to 1995. Station currently operated in cooperation with the North Carolina Department of Environment and Natural Resources. Daily records of specific conductance for period October 1956 to September 1961 are available in the files of the District office in Raleigh. During period 1956-73, data were collected at bridge on State Highway 11 located 2 mi downstream and published as Cape Fear River near Acme (station 02105771). Salinity and dissolved oxygen, percent saturation are computed. The salinity is computed from specific conductance using the conversion from U.S. Geological Survey Water-Supply Paper 2311. The dissolved oxygen, percent saturation is computed using a barometric pressure of 760 mm of Hg.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	317, October 19, 20, 1976	40, June 26, 1973
SALINITY, ppt	0.07, on several days during the period	0.02, September 3, 11, 12, 22, 2004
pH, standard units	7.4, April 12, 13, 2004	6.0, June 16, 2004
WATER TEMPERATURE, °C	32.0, July 9, 19, 20, 21, 1977, August 10, 1979	0.5, January 24, 1976
DISSOLVED OXYGEN, mg/L	11.9, December 13, 2003	4.7, June 3, 2004, September 15, 16, 2004
DISSOLVED OXYGEN, PERCENT SATURATION,%	101, December 13, 2003	5.6, September 15, 16, 2004

EXTREMES FOR CURRENT PERIOD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	178, August 7, 2004	61, September 3, 11, 2004
SALINITY, ppt	0.07, on several days during the period	0.02, September 3, 11, 12, 22, 2004
pH, standard units	7.4, April 12, 13, 2003	6.0, June 16, 2004
WATER TEMPERATURE, °C	31.2, July 15, 16, 2004	3.9, February 2, 2004
DISSOLVED OXYGEN, mg/L	11.9, December 13, 2003	4.7, June 3, 2004, September 15, 16, 2004
DISSOLVED OXYGEN, PERCENT SATURATION,%	101, December 13, 2003	56, September 15, 16, 2004

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	104	88	94
10	---	---	---	---	---	---	---	---	---	91	87	89
11	---	---	---	---	---	---	---	---	---	87	76	81
12	---	---	---	---	---	---	---	---	---	87	79	81
13	---	---	---	---	---	---	---	---	---	83	80	81
14	---	---	---	---	---	---	---	---	---	90	82	86
15	---	---	---	---	---	---	---	---	---	94	90	92
16	---	---	---	---	---	---	---	---	---	96	93	95
17	---	---	---	---	---	---	---	---	---	98	96	97
18	---	---	---	---	---	---	---	---	---	100	98	99
19	---	---	---	---	---	---	---	---	---	100	94	97
20	---	---	---	---	---	---	---	---	---	95	92	93
21	---	---	---	---	---	---	---	---	---	94	89	92
22	---	---	---	---	---	---	---	---	---	89	76	80
23	---	---	---	---	---	---	---	---	---	98	75	84
24	---	---	---	---	---	---	---	---	---	98	76	90
25	---	---	---	---	---	---	---	---	---	95	74	83
26	---	---	---	---	---	---	---	---	---	102	95	97
27	---	---	---	---	---	---	---	---	---	102	81	89
28	---	---	---	---	---	---	---	---	---	82	73	76
29	---	---	---	---	---	---	---	---	---	74	73	73
30	---	---	---	---	---	---	---	---	---	80	74	77
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	83	79	81	102	86	95	122	117	119	91	89	90
2	86	83	85	90	86	89	123	116	120	90	88	89
3	88	86	87	87	84	85	119	116	117	92	90	91
4	90	88	89	88	83	85	127	119	123	93	91	91
5	92	89	91	97	88	93	127	124	126	96	92	94
6	94	91	93	98	97	98	124	123	123	95	92	93
7	97	94	96	98	95	96	123	120	122	95	92	93
8	97	94	96	99	96	98	121	120	120	96	94	95
9	96	94	95	103	98	101	123	121	122	95	93	94
10	96	94	95	109	102	105	123	121	123	94	92	93
11	97	95	96	112	108	111	122	119	120	92	91	92
12	97	95	96	120	112	116	120	116	118	92	90	91
13	95	92	94	120	119	120	117	104	114	91	89	90
14	94	92	93	119	117	118	109	101	103	96	90	93
15	94	92	93	120	118	119	114	87	103	99	95	97
16	92	91	91	121	119	120	100	87	94	99	94	97
17	92	88	90	122	120	121	102	98	100	97	93	95
18	90	88	89	124	122	123	102	95	97	97	94	95
19	88	84	86	124	122	123	101	94	98	98	96	97
20	85	83	84	127	122	124	98	92	94	99	98	99
21	85	84	84	127	121	125	105	98	102	101	99	100
22	87	84	85	122	117	120	106	104	105	102	98	101
23	95	87	91	117	115	116	105	100	103	101	98	100
24	96	93	95	117	108	115	100	97	98	103	101	102
25	96	94	95	108	107	108	98	96	97	104	102	103
26	95	94	94	109	107	108	101	97	99	102	97	99
27	96	94	95	107	103	105	103	101	102	98	96	96
28	98	95	96	108	103	105	102	96	100	103	97	100
29	109	98	105	115	108	113	96	88	91	106	103	104
30	122	108	118	118	114	116	88	87	87	106	105	106
31	122	102	114	---	---	---	89	86	87	105	103	104
MONTH	122	79	93	127	83	109	127	86	107	106	88	96
		FEBRUARY			MARCH			APRIL			MAY	
1	109	102	104	---	---	---	---	---	---	121	114	116
2	110	106	108	---	---	---	---	---	---	124	121	123
3	107	103	104	---	---	---	96	94	95	---	---	---
4	106	103	105	---	---	---	96	94	95	---	---	---
5	---	---	---	---	---	---	97	95	96	---	---	---
6	---	---	---	---	---	---	99	96	96	---	---	---
7	---	---	---	---	---	---	101	99	100	---	---	---
8	---	---	---	---	---	---	100	96	98	---	---	---
9	---	---	---	104	103	104	99	96	97	---	---	---
10	---	---	---	104	100	103	105	99	103	---	---	---
11	---	---	---	100	93	96	107	104	106	---	---	---
12	---	---	---	---	---	---	112	106	110	108	104	106
13	---	---	---	---	---	---	117	112	114	112	108	111
14	---	---	---	---	---	---	113	110	112	113	111	112
15	---	---	---	---	---	---	111	96	100	117	113	115
16	---	---	---	---	---	---	96	88	90	119	117	118
17	---	---	---	---	---	---	92	90	91	120	118	118
18	---	---	---	---	---	---	103	91	98	120	119	120
19	---	---	---	---	---	---	110	103	106	119	117	118
20	---	---	---	---	---	---	113	109	112	118	114	116
21	---	---	---	---	---	---	126	113	118	119	115	118
22	---	---	---	---	---	---	131	126	129	120	119	119
23	---	---	---	---	---	---	130	128	129	119	117	118
24	---	---	---	---	---	---	129	125	127	118	117	118
25	---	---	---	---	---	---	125	124	124	123	118	122
26	---	---	---	---	---	---	124	121	123	122	120	121
27	---	---	---	---	---	---	122	119	120	126	119	123
28	---	---	---	---	---	---	125	119	121	119	110	113
29	---	---	---	---	---	---	126	121	124	111	107	108
30	---	---	---	---	---	---	126	115	121	111	107	109
31	---	---	---	---	---	---	---	---	---	113	111	112
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	112	107	110	---	---	---	153	150	152	114	74	90
2	113	108	112	---	---	---	153	146	151	98	64	79
3	113	104	107	---	---	---	146	127	135	66	61	63
4	105	102	104	---	---	---	147	127	136	75	66	71
5	103	100	101	---	---	---	157	146	151	85	71	78
6	108	100	103	---	---	---	176	157	168	94	85	89
7	110	108	109	---	---	---	178	166	173	98	94	96
8	117	110	113	---	---	---	167	157	161	101	97	99
9	---	---	---	---	---	---	158	147	151	103	100	101
10	---	---	---	---	---	---	149	147	148	104	69	84
11	---	---	---	---	---	---	152	149	150	84	61	66
12	---	---	---	---	---	---	153	148	151	79	62	69
13	---	---	---	---	---	---	153	144	149	75	69	70
14	---	---	---	---	---	---	146	120	133	85	71	79
15	---	---	---	149	144	146	122	108	116	90	85	87
16	---	---	---	154	145	150	134	105	115	98	90	94
17	---	---	---	156	154	155	139	101	126	102	97	100
18	---	---	---	156	154	155	101	68	83	102	95	99
19	---	---	---	156	153	155	74	67	70	96	91	94
20	---	---	---	154	149	151	79	74	77	91	78	85
21	---	---	---	152	149	150	92	78	82	78	74	75
22	---	---	---	153	148	151	108	92	102	74	62	67
23	---	---	---	148	133	141	126	106	113	78	73	77
24	---	---	---	133	127	130	137	126	133	88	78	83
25	---	---	---	141	129	135	137	116	127	105	88	98
26	---	---	---	145	140	142	118	116	117	110	105	108
27	---	---	---	149	144	147	120	116	117	110	108	109
28	---	---	---	150	148	149	124	120	122	108	106	107
29	---	---	---	150	147	148	125	124	124	111	106	109
30	---	---	---	148	142	145	125	118	122	114	109	112
31	---	---	---	153	144	150	119	110	114	---	---	---
MONTH	---	---	---	---	---	---	178	67	128	114	61	88

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	109	93	99	120	120	120	122	122	122	---	---	---
2	124	93	113	120	120	120	123	112	115	---	---	---
3	106	80	89	120	120	120	---	---	---	---	---	---
4	93	80	88	120	120	120	---	---	---	---	---	---
5	102	93	97	120	120	120	---	---	---	---	---	---
6	102	99	101	130	120	128	---	---	---	---	---	---
7	100	96	97	130	130	130	---	---	---	---	---	---
8	103	100	102	130	130	130	---	---	---	---	---	---
9	108	103	105	130	130	130	---	---	---	---	---	---
10	109	107	108	130	130	130	---	---	---	---	---	---
11	109	107	108	131	121	130	---	---	---	---	---	---
12	108	107	108	122	120	121	---	---	---	---	---	---
13	110	108	109	122	122	122	---	---	---	---	---	---
14	109	106	108	123	122	122	---	---	---	---	---	---
15	107	103	105	123	123	123	---	---	---	---	---	---
16	108	105	107	124	123	124	---	---	---	---	---	---
17	109	107	108	124	94	119	---	---	---	---	---	---
18	108	103	106	105	94	99	---	---	---	---	---	---
19	104	100	102	136	105	118	---	---	---	---	---	---
20	103	100	101	176	136	161	---	---	---	---	---	---
21	110	100	103	176	156	162	---	---	---	---	---	---
22	---	---	---	157	147	150	---	---	---	---	---	---
23	---	---	---	148	137	147	---	---	---	---	---	---
24	---	---	---	148	138	142	---	---	---	---	---	---
25	---	---	---	139	138	139	---	---	---	---	---	---
26	110	110	110	139	139	139	---	---	---	---	---	---
27	110	110	110	140	130	135	---	---	---	---	---	---
28	110	110	110	130	120	127	---	---	---	---	---	---
29	120	110	119	121	121	121	---	---	---	---	---	---
30	120	120	120	122	111	118	---	---	---	---	---	---
31	120	120	120	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	176	94	129	---	---	---	---	---	---

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	0.04	0.04	0.04
10	---	---	---	---	---	---	---	---	---	0.04	0.03	0.04
11	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
12	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
13	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
14	---	---	---	---	---	---	---	---	---	0.04	0.03	0.03
15	---	---	---	---	---	---	---	---	---	0.04	0.04	0.04
16	---	---	---	---	---	---	---	---	---	0.04	0.04	0.04
17	---	---	---	---	---	---	---	---	---	0.04	0.04	0.04
18	---	---	---	---	---	---	---	---	---	0.04	0.04	0.04
19	---	---	---	---	---	---	---	---	---	0.04	0.04	0.04
20	---	---	---	---	---	---	---	---	---	0.04	0.04	0.04
21	---	---	---	---	---	---	---	---	---	0.04	0.04	0.04
22	---	---	---	---	---	---	---	---	---	0.04	0.03	0.03
23	---	---	---	---	---	---	---	---	---	0.04	0.03	0.03
24	---	---	---	---	---	---	---	---	---	0.04	0.03	0.04
25	---	---	---	---	---	---	---	---	---	0.04	0.03	0.03
26	---	---	---	---	---	---	---	---	---	0.04	0.04	0.04
27	---	---	---	---	---	---	---	---	---	0.04	0.03	0.04
28	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
29	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
30	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	0.03	0.03	0.03	0.04	0.03	0.04	0.05	0.05	0.05	0.04	0.04	0.04
2	0.03	0.03	0.03	0.04	0.03	0.04	0.05	0.05	0.05	0.04	0.04	0.04
3	0.04	0.03	0.03	0.03	0.03	0.03	0.05	0.05	0.05	0.04	0.04	0.04
4	0.04	0.04	0.04	0.04	0.03	0.03	0.05	0.05	0.05	0.04	0.04	0.04
5	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04
6	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04
7	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04
8	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04
9	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04
10	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04
11	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04
12	0.04	0.04	0.04	0.05	0.04	0.05	0.05	0.05	0.05	0.04	0.04	0.04
13	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.04	0.05	0.04	0.04	0.04
14	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04
15	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.03	0.04	0.04	0.04	0.04
16	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.03	0.04	0.04	0.04	0.04
17	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04
18	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04
19	0.04	0.03	0.03	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04
20	0.03	0.03	0.03	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04
21	0.03	0.03	0.03	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04
22	0.03	0.03	0.03	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04
23	0.04	0.03	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04
24	0.04	0.04	0.04	0.05	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04
25	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
26	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
27	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
28	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
29	0.04	0.04	0.04	0.05	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04
30	0.05	0.04	0.05	0.05	0.05	0.05	0.04	0.03	0.03	0.04	0.04	0.04
31	0.05	0.04	0.05	---	---	---	0.04	0.03	0.03	0.04	0.04	0.04
MONTH	0.05	0.03	0.04	0.05	0.03	0.04	0.05	0.03	0.04	0.04	0.04	0.04
		FEBRUARY			MARCH			APRIL			MAY	
1	0.04	0.04	0.04	---	---	---	---	---	---	0.05	0.05	0.05
2	0.04	0.04	0.04	---	---	---	---	---	---	0.05	0.05	0.05
3	0.04	0.04	0.04	---	---	---	0.04	0.04	0.04	---	---	---
4	0.04	0.04	0.04	---	---	---	0.04	0.04	0.04	---	---	---
5	---	---	---	---	---	---	0.04	0.04	0.04	---	---	---
6	---	---	---	---	---	---	0.04	0.04	0.04	---	---	---
7	---	---	---	---	---	---	0.04	0.04	0.04	---	---	---
8	---	---	---	---	---	---	0.04	0.04	0.04	---	---	---
9	---	---	---	0.04	0.04	0.04	0.04	0.04	0.04	---	---	---
10	---	---	---	0.04	0.04	0.04	0.04	0.04	0.04	---	---	---
11	---	---	---	0.04	0.04	0.04	0.04	0.04	0.04	---	---	---
12	---	---	---	---	---	---	0.04	0.04	0.04	0.04	0.04	0.04
13	---	---	---	---	---	---	0.05	0.04	0.05	0.04	0.04	0.04
14	---	---	---	---	---	---	0.05	0.04	0.04	0.05	0.04	0.04
15	---	---	---	---	---	---	0.04	0.04	0.04	0.05	0.05	0.05
16	---	---	---	---	---	---	0.04	0.04	0.04	0.05	0.05	0.05
17	---	---	---	---	---	---	0.04	0.04	0.04	0.05	0.05	0.05
18	---	---	---	---	---	---	0.04	0.04	0.04	0.05	0.05	0.05
19	---	---	---	---	---	---	0.04	0.04	0.04	0.05	0.05	0.05
20	---	---	---	---	---	---	0.05	0.04	0.04	0.05	0.05	0.05
21	---	---	---	---	---	---	0.05	0.05	0.05	0.05	0.05	0.05
22	---	---	---	---	---	---	0.05	0.05	0.05	0.05	0.05	0.05
23	---	---	---	---	---	---	0.05	0.05	0.05	0.05	0.05	0.05
24	---	---	---	---	---	---	0.05	0.05	0.05	0.05	0.05	0.05
25	---	---	---	---	---	---	0.05	0.05	0.05	0.05	0.05	0.05
26	---	---	---	---	---	---	0.05	0.05	0.05	0.05	0.05	0.05
27	---	---	---	---	---	---	0.05	0.05	0.05	0.05	0.05	0.05
28	---	---	---	---	---	---	0.05	0.05	0.05	0.05	0.04	0.05
29	---	---	---	---	---	---	0.05	0.05	0.05	0.04	0.04	0.04
30	---	---	---	---	---	---	0.05	0.05	0.05	0.04	0.04	0.04
31	---	---	---	---	---	---	---	---	---	0.05	0.04	0.04
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	0.04	0.04	0.04	---	---	---	0.06	0.06	0.06	0.05	0.03	0.04
2	0.05	0.04	0.04	---	---	---	0.06	0.06	0.06	0.04	0.03	0.03
3	0.05	0.04	0.04	---	---	---	0.06	0.05	0.05	0.03	0.02	0.03
4	0.04	0.04	0.04	---	---	---	0.06	0.05	0.05	0.03	0.03	0.03
5	0.04	0.04	0.04	---	---	---	0.06	0.06	0.06	0.03	0.03	0.03
6	0.04	0.04	0.04	---	---	---	0.07	0.06	0.07	0.04	0.03	0.04
7	0.04	0.04	0.04	---	---	---	0.07	0.07	0.07	0.04	0.04	0.04
8	0.05	0.04	0.05	---	---	---	0.07	0.06	0.06	0.04	0.04	0.04
9	---	---	---	---	---	---	0.06	0.06	0.06	0.04	0.04	0.04
10	---	---	---	---	---	---	0.06	0.06	0.06	0.04	0.03	0.03
11	---	---	---	---	---	---	0.06	0.06	0.06	0.03	0.02	0.03
12	---	---	---	---	---	---	0.06	0.06	0.06	0.03	0.02	0.03
13	---	---	---	---	---	---	0.06	0.06	0.06	0.03	0.03	0.03
14	---	---	---	---	---	---	0.06	0.05	0.05	0.03	0.03	0.03
15	---	---	---	0.06	0.06	0.06	0.05	0.04	0.05	0.04	0.03	0.03
16	---	---	---	0.06	0.06	0.06	0.05	0.04	0.05	0.04	0.04	0.04
17	---	---	---	0.06	0.06	0.06	0.06	0.04	0.05	0.04	0.04	0.04
18	---	---	---	0.06	0.06	0.06	0.04	0.03	0.03	0.04	0.04	0.04
19	---	---	---	0.06	0.06	0.06	0.03	0.03	0.03	0.04	0.04	0.04
20	---	---	---	0.06	0.06	0.06	0.03	0.03	0.03	0.04	0.03	0.03
21	---	---	---	0.06	0.06	0.06	0.04	0.03	0.03	0.03	0.03	0.03
22	---	---	---	0.06	0.06	0.06	0.04	0.04	0.04	0.03	0.02	0.03
23	---	---	---	0.06	0.05	0.06	0.05	0.04	0.05	0.03	0.03	0.03
24	---	---	---	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.03	0.03
25	---	---	---	0.06	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04
26	---	---	---	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04
27	---	---	---	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04
28	---	---	---	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04
29	---	---	---	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04
30	---	---	---	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.04	0.04
31	---	---	---	0.06	0.06	0.06	0.05	0.04	0.05	---	---	---
MONTH	---	---	---	---	---	---	0.07	0.03	0.05	0.05	0.02	0.04

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
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	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	---	---	---
2	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.04	0.05	---	---	---
3	0.04	0.03	0.04	0.05	0.05	0.05	---	---	---	---	---	---
4	0.04	0.03	0.04	0.05	0.05	0.05	---	---	---	---	---	---
5	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
6	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
7	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
8	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
9	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
10	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
11	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
12	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
13	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
14	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
15	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
16	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
17	0.04	0.04	0.04	0.05	0.04	0.05	---	---	---	---	---	---
18	0.04	0.04	0.04	0.04	0.04	0.04	---	---	---	---	---	---
19	0.04	0.04	0.04	0.05	0.04	0.05	---	---	---	---	---	---
20	0.04	0.04	0.04	0.07	0.05	0.06	---	---	---	---	---	---
21	0.04	0.04	0.04	0.07	0.06	0.06	---	---	---	---	---	---
22	---	---	---	0.06	0.06	0.06	---	---	---	---	---	---
23	---	---	---	0.06	0.05	0.06	---	---	---	---	---	---
24	---	---	---	0.06	0.06	0.06	---	---	---	---	---	---
25	---	---	---	0.06	0.06	0.06	---	---	---	---	---	---
26	0.04	0.04	0.04	0.06	0.06	0.06	---	---	---	---	---	---
27	0.04	0.04	0.04	0.06	0.05	0.05	---	---	---	---	---	---
28	0.04	0.04	0.04	0.05	0.05	0.05	---	---	---	---	---	---
29	0.05	0.04	0.05	0.05	0.05	0.05	---	---	---	---	---	---
30	0.05	0.05	0.05	0.05	0.04	0.05	---	---	---	---	---	---
31	0.05	0.05	0.05	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	0.07	0.04	0.05	---	---	---	---	---	---

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

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

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.7	6.3	6.4	6.9	6.5	6.7	7.2	6.8	6.9	6.8	6.6	6.7
2	6.6	6.3	6.3	6.7	6.5	6.6	7.2	6.7	7.0	6.8	6.6	6.7
3	6.7	6.3	6.4	6.9	6.4	6.7	7.0	6.8	6.9	6.7	6.6	6.7
4	6.9	6.3	6.4	6.9	6.5	6.7	7.0	6.8	6.9	6.8	6.6	6.7
5	7.1	6.3	6.5	6.9	6.5	6.8	7.0	6.8	6.9	6.8	6.5	6.7
6	6.9	6.3	6.4	6.9	6.8	6.9	7.1	6.9	7.0	6.8	6.7	6.8
7	7.1	6.2	6.4	6.9	6.6	6.8	7.1	6.9	7.0	6.9	6.8	6.8
8	6.9	6.2	6.3	6.9	6.6	6.8	7.0	6.9	7.0	6.9	6.8	6.8
9	6.8	6.2	6.4	7.0	6.7	6.9	7.1	6.9	7.0	6.9	6.8	6.9
10	6.9	6.5	6.6	7.0	6.8	6.9	7.0	6.9	7.0	7.0	6.8	6.9
11	6.8	6.5	6.6	7.0	6.9	6.9	7.0	6.8	6.9	7.0	6.8	6.9
12	6.8	6.5	6.6	7.0	6.7	6.8	7.0	6.7	6.9	6.9	6.8	6.9
13	6.8	6.5	6.7	7.1	6.7	6.8	7.0	6.8	6.9	6.9	6.8	6.8
14	6.8	6.5	6.6	7.2	6.8	7.0	7.0	6.7	6.8	6.9	6.8	6.8
15	6.8	6.6	6.7	7.2	6.8	6.9	7.0	6.6	6.8	6.9	6.8	6.9
16	6.8	6.5	6.7	7.1	6.7	6.9	6.9	6.5	6.8	7.0	6.9	6.9
17	6.8	6.6	6.7	7.1	6.8	6.8	7.0	6.7	6.8	7.0	6.8	6.9
18	6.9	6.6	6.7	7.1	6.7	6.8	7.0	6.7	6.8	6.9	6.8	6.8
19	6.8	6.5	6.7	6.9	6.7	6.8	6.9	6.7	6.8	7.0	6.8	6.9
20	6.9	6.6	6.7	7.0	6.7	6.8	7.0	6.7	6.9	7.0	6.9	7.0
21	6.8	6.4	6.7	7.2	6.8	6.8	7.0	6.8	6.9	7.0	6.9	7.0
22	6.8	6.5	6.7	7.0	6.8	6.8	6.9	6.8	6.9	7.0	6.9	7.0
23	6.8	6.7	6.8	6.9	6.8	6.8	6.9	6.8	6.9	7.0	6.9	7.0
24	6.9	6.7	6.8	7.0	6.7	6.8	7.0	6.7	6.8	7.0	6.9	7.0
25	6.9	6.7	6.8	7.0	6.7	6.8	6.9	6.8	6.8	7.1	7.0	7.0
26	6.9	6.6	6.8	6.9	6.7	6.8	6.9	6.8	6.9	7.0	7.0	7.0
27	6.9	6.7	6.8	6.8	6.7	6.7	7.0	6.8	6.9	7.0	6.9	7.0
28	6.9	6.7	6.8	6.9	6.6	6.7	7.0	6.8	6.8	7.0	6.9	7.0
29	6.9	6.8	6.8	7.2	6.8	6.9	6.8	6.7	6.7	7.0	6.9	7.0
30	7.0	6.7	6.8	7.3	6.8	7.0	6.8	6.6	6.7	7.1	6.9	7.0
31	7.0	6.7	6.8	---	---	---	6.8	6.6	6.7	7.1	7.0	7.0
MONTH	7.1	6.2	6.6	7.3	6.4	6.8	7.2	6.5	6.9	7.1	6.5	6.9
		FEBRUARY			MARCH			APRIL			MAY	
1	7.1	7.0	7.0	---	---	---	---	---	---	6.7	6.3	6.5
2	7.1	6.9	7.0	---	---	---	---	---	---	6.8	6.3	6.5
3	7.0	6.9	7.0	---	---	---	7.0	6.9	6.9	---	---	---
4	7.1	7.0	7.0	---	---	---	7.1	6.9	7.0	---	---	---
5	---	---	---	---	---	---	7.2	6.9	7.0	---	---	---
6	---	---	---	---	---	---	7.1	6.9	7.0	---	---	---
7	---	---	---	---	---	---	7.2	7.0	7.0	---	---	---
8	---	---	---	---	---	---	7.1	7.0	7.0	---	---	---
9	---	---	---	6.9	6.7	6.8	7.2	7.0	7.0	---	---	---
10	---	---	---	7.0	6.7	6.8	7.3	7.0	7.1	---	---	---
11	---	---	---	7.0	6.7	6.9	7.3	7.1	7.2	---	---	---
12	---	---	---	---	---	---	7.4	7.1	7.2	6.4	6.4	6.4
13	---	---	---	---	---	---	7.4	6.7	7.2	6.5	6.4	6.4
14	---	---	---	---	---	---	7.1	6.6	6.9	6.5	6.4	6.5
15	---	---	---	---	---	---	7.0	6.3	6.7	6.6	6.5	6.5
16	---	---	---	---	---	---	6.9	6.3	6.7	6.6	6.5	6.6
17	---	---	---	---	---	---	7.0	6.4	6.8	6.6	6.5	6.6
18	---	---	---	---	---	---	7.1	6.5	6.9	6.7	6.5	6.6
19	---	---	---	---	---	---	7.0	6.6	6.9	6.6	6.5	6.5
20	---	---	---	---	---	---	7.1	6.5	6.8	6.6	6.4	6.5
21	---	---	---	---	---	---	7.1	6.6	6.8	6.7	6.4	6.5
22	---	---	---	---	---	---	7.1	6.7	6.9	6.7	6.4	6.5
23	---	---	---	---	---	---	7.1	6.6	6.9	6.7	6.4	6.5
24	---	---	---	---	---	---	7.2	6.6	6.9	6.7	6.4	6.5
25	---	---	---	---	---	---	7.2	6.6	6.8	6.7	6.5	6.6
26	---	---	---	---	---	---	7.2	6.7	6.8	6.7	6.5	6.6
27	---	---	---	---	---	---	7.1	6.4	6.7	6.8	6.6	6.6
28	---	---	---	---	---	---	7.0	6.4	6.6	6.7	6.5	6.6
29	---	---	---	---	---	---	6.8	6.3	6.5	6.7	6.4	6.6
30	---	---	---	---	---	---	7.0	6.3	6.5	6.7	6.3	6.5
31	---	---	---	---	---	---	---	---	---	6.7	6.3	6.6
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.8	6.7	6.7	6.8	6.6	6.7	7.0	6.8	6.9	---	---	---
2	7.0	6.8	6.9	6.9	6.7	6.8	7.0	6.8	6.9	---	---	---
3	6.8	6.6	6.7	6.9	6.7	6.8	---	---	---	---	---	---
4	6.8	6.6	6.7	6.9	6.7	6.8	---	---	---	---	---	---
5	6.9	6.8	6.8	6.9	6.6	6.8	---	---	---	---	---	---
6	6.9	6.8	6.8	6.8	6.6	6.7	---	---	---	---	---	---
7	6.9	6.7	6.8	6.8	6.6	6.7	---	---	---	---	---	---
8	7.0	6.8	6.9	6.8	6.6	6.7	---	---	---	---	---	---
9	7.0	6.8	6.9	6.8	6.6	6.7	---	---	---	---	---	---
10	7.0	6.8	6.9	6.9	6.6	6.8	---	---	---	---	---	---
11	7.0	6.8	6.8	6.8	6.6	6.7	---	---	---	---	---	---
12	7.0	6.8	6.8	6.8	6.6	6.7	---	---	---	---	---	---
13	6.9	6.8	6.8	6.8	6.6	6.7	---	---	---	---	---	---
14	6.9	6.8	6.8	6.8	6.6	6.7	---	---	---	---	---	---
15	6.9	6.8	6.8	6.9	6.6	6.8	---	---	---	---	---	---
16	6.9	6.8	6.8	6.9	6.7	6.8	---	---	---	---	---	---
17	7.0	6.8	6.8	6.9	6.5	6.8	---	---	---	---	---	---
18	6.9	6.8	6.8	6.8	6.5	6.6	---	---	---	---	---	---
19	6.9	6.8	6.8	7.0	6.6	6.8	---	---	---	---	---	---
20	6.9	6.8	6.8	7.1	6.9	7.0	---	---	---	---	---	---
21	6.9	6.7	6.8	7.1	7.0	7.1	---	---	---	---	---	---
22	---	---	---	7.1	6.9	7.0	---	---	---	---	---	---
23	---	---	---	7.1	6.8	7.0	---	---	---	---	---	---
24	---	---	---	7.0	6.8	6.9	---	---	---	---	---	---
25	---	---	---	7.0	6.8	6.9	---	---	---	---	---	---
26	7.0	6.7	6.9	7.0	6.8	6.9	---	---	---	---	---	---
27	7.0	6.6	6.8	7.0	6.8	6.9	---	---	---	---	---	---
28	6.9	6.6	6.8	7.0	6.7	6.9	---	---	---	---	---	---
29	6.8	6.6	6.8	6.9	6.7	6.8	---	---	---	---	---	---
30	6.8	6.6	6.7	6.9	6.7	6.8	---	---	---	---	---	---
31	6.8	6.6	6.7	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	7.1	6.5	6.8	---	---	---	---	---	---

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	25.7	25.2	25.4
10	---	---	---	---	---	---	---	---	---	25.3	24.6	24.9
11	---	---	---	---	---	---	---	---	---	24.6	24.0	24.2
12	---	---	---	---	---	---	---	---	---	24.0	23.7	23.8
13	---	---	---	---	---	---	---	---	---	23.7	23.5	23.6
14	---	---	---	---	---	---	---	---	---	24.1	23.4	23.7
15	---	---	---	---	---	---	---	---	---	24.7	23.9	24.2
16	---	---	---	---	---	---	---	---	---	24.9	24.2	24.6
17	---	---	---	---	---	---	---	---	---	25.0	24.4	24.6
18	---	---	---	---	---	---	---	---	---	24.4	23.5	23.9
19	---	---	---	---	---	---	---	---	---	23.6	23.2	23.4
20	---	---	---	---	---	---	---	---	---	23.7	23.2	23.4
21	---	---	---	---	---	---	---	---	---	23.8	23.4	23.5
22	---	---	---	---	---	---	---	---	---	23.6	22.9	23.2
23	---	---	---	---	---	---	---	---	---	23.6	22.9	23.3
24	---	---	---	---	---	---	---	---	---	23.3	22.7	22.9
25	---	---	---	---	---	---	---	---	---	23.2	22.6	22.9
26	---	---	---	---	---	---	---	---	---	23.1	22.8	23.0
27	---	---	---	---	---	---	---	---	---	22.9	22.3	22.7
28	---	---	---	---	---	---	---	---	---	22.6	22.3	22.5
29	---	---	---	---	---	---	---	---	---	22.4	22.1	22.3
30	---	---	---	---	---	---	---	---	---	22.1	21.6	21.8
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	21.8	21.4	21.6	17.0	16.6	16.8	12.9	12.6	12.7	7.8	7.5	7.7
2	21.6	21.3	21.5	16.7	16.4	16.6	12.6	11.8	12.2	7.5	7.1	7.2
3	21.4	21.0	21.1	16.7	16.2	16.5	11.8	11.0	11.4	7.3	6.9	7.1
4	21.4	20.7	20.9	17.0	16.6	16.8	11.0	10.6	10.8	8.1	7.3	7.6
5	21.2	20.7	20.9	17.6	17.0	17.3	10.6	10.3	10.5	9.3	8.1	8.6
6	21.6	20.6	20.9	18.2	17.5	17.9	10.3	9.8	10.1	9.5	9.3	9.4
7	21.0	20.7	20.8	18.6	18.2	18.4	9.8	9.1	9.5	9.4	9.0	9.2
8	20.7	20.4	20.6	18.5	18.2	18.4	9.1	8.3	8.7	9.0	8.7	8.8
9	20.6	20.3	20.4	18.3	17.5	17.9	8.3	8.0	8.2	8.7	8.4	8.6
10	20.4	20.1	20.3	17.5	17.1	17.3	8.7	8.1	8.3	8.4	8.1	8.3
11	20.1	19.8	20.0	17.3	17.1	17.2	8.8	8.5	8.6	8.3	8.0	8.2
12	20.0	19.7	19.8	17.6	17.2	17.5	8.7	8.3	8.5	8.1	7.7	7.9
13	20.2	19.7	20.0	17.6	17.0	17.4	8.6	7.9	8.1	7.7	7.1	7.4
14	20.5	20.1	20.3	17.0	16.2	16.6	9.0	8.6	8.8	7.1	6.5	6.8
15	20.5	20.1	20.3	16.2	15.6	16.0	8.8	7.7	8.0	6.5	6.1	6.3
16	20.2	19.9	20.0	15.8	15.3	15.5	7.9	7.4	7.6	6.1	5.9	6.0
17	19.9	19.6	19.8	15.5	15.1	15.2	7.7	7.5	7.6	5.9	5.6	5.8
18	19.7	19.3	19.5	15.4	14.9	15.1	7.5	7.0	7.2	6.3	5.7	6.0
19	19.4	19.0	19.2	15.5	15.1	15.2	7.1	6.8	7.0	6.6	6.2	6.4
20	19.7	19.0	19.2	15.3	15.1	15.2	7.0	6.6	6.8	6.4	6.1	6.3
21	19.6	18.9	19.2	15.2	14.8	15.0	6.6	6.2	6.4	6.6	6.2	6.4
22	19.4	19.1	19.2	14.8	14.4	14.6	6.5	6.2	6.3	6.5	6.2	6.4
23	19.1	18.4	18.7	14.4	14.1	14.3	6.3	6.1	6.1	6.4	6.1	6.2
24	18.4	17.8	18.1	15.1	14.3	14.6	6.8	6.2	6.5	6.6	6.1	6.4
25	17.8	17.5	17.6	15.1	14.8	14.9	6.8	6.6	6.7	6.5	6.1	6.3
26	17.8	17.4	17.6	14.8	14.5	14.7	6.9	6.6	6.8	6.1	5.5	5.8
27	18.1	17.7	17.9	14.5	14.3	14.4	6.9	6.7	6.8	5.5	5.0	5.3
28	18.2	18.0	18.1	14.6	14.2	14.4	7.0	6.6	6.9	5.0	4.8	4.9
29	18.1	17.8	18.0	14.4	13.4	13.8	7.2	7.0	7.1	4.9	4.6	4.8
30	17.8	17.2	17.5	13.4	12.9	13.2	7.8	7.2	7.6	4.9	4.6	4.8
31	17.2	16.9	17.0	---	---	---	8.0	7.6	7.8	5.0	4.7	4.8
MONTH	21.8	16.9	19.5	18.6	12.9	16.0	12.9	6.1	8.2	9.5	4.6	6.8
		FEBRUARY			MARCH			APRIL			MAY	
1	4.7	4.2	4.4	---	---	---	---	---	---	22.0	21.8	21.9
2	4.4	3.9	4.2	---	---	---	---	---	---	22.4	21.8	22.0
3	4.6	4.2	4.4	---	---	---	15.8	15.3	15.6	---	---	---
4	5.2	4.5	4.9	---	---	---	16.2	15.6	15.9	---	---	---
5	---	---	---	---	---	---	16.0	15.6	15.8	---	---	---
6	---	---	---	---	---	---	15.9	15.3	15.7	---	---	---
7	---	---	---	---	---	---	15.8	15.3	15.6	---	---	---
8	---	---	---	---	---	---	15.8	15.4	15.6	---	---	---
9	---	---	---	13.6	13.3	13.4	16.5	15.6	16.0	---	---	---
10	---	---	---	13.5	13.2	13.4	16.9	16.2	16.5	---	---	---
11	---	---	---	13.6	13.2	13.4	17.3	16.5	16.9	---	---	---
12	---	---	---	---	---	---	17.3	17.0	17.1	23.0	22.5	22.7
13	---	---	---	---	---	---	17.9	17.1	17.5	23.6	22.8	23.1
14	---	---	---	---	---	---	17.9	17.2	17.5	24.0	23.2	23.5
15	---	---	---	---	---	---	17.2	16.9	17.0	24.2	23.6	23.9
16	---	---	---	---	---	---	17.0	16.5	16.7	24.7	23.7	24.1
17	---	---	---	---	---	---	16.7	16.2	16.5	25.0	24.1	24.6
18	---	---	---	---	---	---	16.6	15.9	16.3	25.4	24.7	25.0
19	---	---	---	---	---	---	17.6	16.4	16.9	25.8	25.0	25.3
20	---	---	---	---	---	---	18.4	17.5	17.9	26.1	25.0	25.4
21	---	---	---	---	---	---	19.0	18.3	18.6	26.6	25.5	25.9
22	---	---	---	---	---	---	19.8	18.9	19.3	26.7	25.8	26.2
23	---	---	---	---	---	---	20.6	19.8	20.2	27.0	26.1	26.5
24	---	---	---	---	---	---	21.5	20.5	20.9	27.6	26.6	27.0
25	---	---	---	---	---	---	21.9	21.2	21.6	27.7	27.0	27.4
26	---	---	---	---	---	---	22.6	21.9	22.1	28.1	27.5	27.8
27	---	---	---	---	---	---	22.6	22.0	22.3	28.2	27.8	28.0
28	---	---	---	---	---	---	22.4	21.9	22.1	28.3	27.8	28.1
29	---	---	---	---	---	---	22.4	21.9	22.1	28.7	27.9	28.2
30	---	---	---	---	---	---	22.4	21.7	22.0	28.3	27.7	28.0
31	---	---	---	---	---	---	---	---	---	28.3	27.9	28.1
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	28.5	27.8	28.1	---	---	---	29.5	29.3	29.4	26.6	25.3	25.9
2	28.6	28.0	28.2	---	---	---	29.3	28.6	28.9	25.4	24.4	24.9
3	28.6	27.9	28.2	---	---	---	28.6	28.2	28.3	24.8	24.4	24.5
4	28.5	28.1	28.3	---	---	---	28.9	28.1	28.5	24.8	24.4	24.6
5	28.5	27.9	28.2	---	---	---	29.6	28.8	29.1	24.9	24.4	24.6
6	28.4	27.9	28.1	---	---	---	29.3	28.8	29.1	24.9	24.7	24.8
7	28.5	28.0	28.2	---	---	---	28.8	27.5	28.1	24.9	24.7	24.8
8	28.1	27.7	27.9	---	---	---	27.5	27.0	27.3	25.4	24.9	25.1
9	---	---	---	---	---	---	27.7	27.1	27.4	25.9	25.3	25.6
10	---	---	---	---	---	---	27.8	27.2	27.5	25.8	25.2	25.4
11	---	---	---	---	---	---	28.2	27.3	27.7	25.4	24.3	24.5
12	---	---	---	---	---	---	27.9	27.3	27.6	24.5	24.1	24.3
13	---	---	---	---	---	---	27.4	26.9	27.2	24.4	24.1	24.2
14	---	---	---	---	---	---	26.9	25.6	26.2	24.2	24.0	24.1
15	---	---	---	31.2	30.2	30.7	25.6	24.8	25.2	24.2	24.0	24.1
16	---	---	---	31.2	30.2	30.7	25.0	24.4	24.7	24.2	23.9	24.1
17	---	---	---	30.7	30.1	30.4	25.0	24.1	24.8	24.8	24.2	24.4
18	---	---	---	30.4	29.7	30.1	24.1	23.4	23.6	24.6	24.0	24.3
19	---	---	---	30.3	29.4	29.7	24.2	23.3	23.7	24.0	23.5	23.7
20	---	---	---	30.3	29.4	29.8	25.1	24.2	24.6	23.5	23.1	23.2
21	---	---	---	30.1	29.3	29.7	26.3	25.1	25.7	23.1	22.5	22.8
22	---	---	---	30.2	29.3	29.7	26.2	25.7	25.9	22.6	21.8	22.1
23	---	---	---	30.3	29.5	29.8	26.5	25.7	26.1	21.8	21.5	21.7
24	---	---	---	30.5	29.5	29.9	26.8	26.2	26.5	21.8	21.3	21.6
25	---	---	---	30.1	29.6	29.8	26.7	26.3	26.5	22.3	21.7	22.0
26	---	---	---	30.2	29.5	29.8	26.6	26.4	26.5	22.6	22.2	22.4
27	---	---	---	30.4	29.6	29.9	26.8	26.4	26.6	23.0	22.4	22.7
28	---	---	---	30.0	29.6	29.8	27.1	26.5	26.7	23.3	23.0	23.1
29	---	---	---	29.8	29.4	29.6	26.9	26.6	26.7	23.5	23.0	23.2
30	---	---	---	29.8	29.2	29.5	27.0	26.4	26.6	23.5	23.2	23.4
31	---	---	---	29.9	29.3	29.5	26.7	26.4	26.6	---	---	---
MONTH	---	---	---	---	---	---	29.6	23.3	26.8	26.6	21.3	23.9

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.4	23.1	23.3	19.6	18.9	19.2	13.2	12.1	12.7	---	---	---
2	23.4	22.9	23.2	19.8	19.1	19.4	12.1	11.7	11.9	---	---	---
3	22.9	22.5	22.7	19.9	19.3	19.6	---	---	---	---	---	---
4	23.0	22.5	22.7	20.0	19.5	19.7	---	---	---	---	---	---
5	22.9	22.4	22.7	19.8	19.2	19.5	---	---	---	---	---	---
6	22.8	22.1	22.4	19.3	18.8	19.0	---	---	---	---	---	---
7	22.1	21.8	22.0	18.8	18.4	18.6	---	---	---	---	---	---
8	21.9	21.5	21.7	18.5	18.1	18.3	---	---	---	---	---	---
9	21.8	21.5	21.7	18.1	17.4	17.7	---	---	---	---	---	---
10	22.1	21.5	21.8	17.4	16.8	17.0	---	---	---	---	---	---
11	22.1	21.6	21.8	16.8	16.5	16.7	---	---	---	---	---	---
12	21.9	21.4	21.6	16.7	16.5	16.6	---	---	---	---	---	---
13	21.9	21.4	21.6	16.6	16.0	16.4	---	---	---	---	---	---
14	21.7	21.4	21.5	16.0	15.2	15.7	---	---	---	---	---	---
15	21.4	21.0	21.2	15.2	14.0	14.5	---	---	---	---	---	---
16	21.0	20.3	20.5	14.0	12.8	13.5	---	---	---	---	---	---
17	20.3	19.9	20.1	12.9	12.4	12.7	---	---	---	---	---	---
18	20.4	19.9	20.1	12.7	12.0	12.2	---	---	---	---	---	---
19	20.6	20.0	20.2	12.2	11.7	11.9	---	---	---	---	---	---
20	20.8	20.3	20.5	12.7	12.2	12.5	---	---	---	---	---	---
21	20.6	20.4	20.5	13.2	12.6	12.9	---	---	---	---	---	---
22	---	---	---	13.7	13.2	13.4	---	---	---	---	---	---
23	---	---	---	14.0	13.6	13.8	---	---	---	---	---	---
24	---	---	---	14.7	14.0	14.3	---	---	---	---	---	---
25	---	---	---	15.1	14.7	14.9	---	---	---	---	---	---
26	18.8	18.4	18.7	15.0	14.6	14.8	---	---	---	---	---	---
27	18.6	18.2	18.4	14.6	14.3	14.5	---	---	---	---	---	---
28	18.6	18.3	18.4	14.7	14.5	14.6	---	---	---	---	---	---
29	18.5	18.3	18.4	14.6	14.1	14.3	---	---	---	---	---	---
30	18.8	18.3	18.5	14.1	13.2	13.6	---	---	---	---	---	---
31	19.3	18.5	18.9	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	20.0	11.7	15.7	---	---	---	---	---	---

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	7.2	6.8	7.0
10	---	---	---	---	---	---	---	---	---	7.4	7.0	7.2
11	---	---	---	---	---	---	---	---	---	7.5	7.3	7.4
12	---	---	---	---	---	---	---	---	---	7.5	7.3	7.4
13	---	---	---	---	---	---	---	---	---	7.5	7.1	7.3
14	---	---	---	---	---	---	---	---	---	7.4	7.0	7.2
15	---	---	---	---	---	---	---	---	---	7.4	6.8	7.1
16	---	---	---	---	---	---	---	---	---	7.3	6.8	7.0
17	---	---	---	---	---	---	---	---	---	7.3	6.8	7.0
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	7.3	7.0	7.2
27	---	---	---	---	---	---	---	---	---	7.0	6.6	6.7
28	---	---	---	---	---	---	---	---	---	6.7	6.3	6.5
29	---	---	---	---	---	---	---	---	---	6.8	6.3	6.6
30	---	---	---	---	---	---	---	---	---	6.9	5.8	6.6
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.1	5.6	6.4	8.7	8.3	8.5	9.3	8.7	9.0	---	---	---
2	7.1	7.0	7.0	8.5	8.2	8.3	9.5	8.8	9.2	---	---	---
3	7.5	7.0	7.2	8.6	8.2	8.4	9.8	9.0	9.5	---	---	---
4	7.6	7.2	7.3	8.6	8.3	8.5	10.1	9.2	9.7	---	---	---
5	7.7	7.2	7.3	8.5	8.2	8.4	10.1	9.8	9.9	---	---	---
6	7.6	6.5	7.2	8.4	8.0	8.3	10.4	10.0	10.2	10.4	10.2	10.4
7	7.4	6.2	6.8	8.3	7.8	8.2	10.7	10.3	10.6	10.4	10.2	10.3
8	7.4	6.2	6.9	8.3	8.1	8.1	11.3	10.7	11.0	10.4	10.2	10.3
9	7.7	6.5	7.1	8.6	8.1	8.3	11.5	11.2	11.3	10.5	10.2	10.4
10	7.7	6.7	7.2	8.7	8.2	8.4	11.5	11.0	11.3	10.5	10.3	10.4
11	7.8	6.8	7.3	8.3	7.6	8.0	11.5	11.3	11.4	10.6	10.2	10.4
12	8.0	6.8	7.5	8.3	7.6	8.0	11.7	11.4	11.5	10.5	10.2	10.3
13	8.1	7.2	7.6	8.5	7.8	8.2	11.9	10.9	11.5	10.9	10.4	10.6
14	8.1	7.2	7.6	8.9	7.9	8.4	11.0	10.7	10.8	11.0	10.8	10.9
15	8.0	7.1	7.6	9.0	8.1	8.5	11.4	10.9	11.3	11.3	10.9	11.1
16	8.1	7.1	7.7	9.0	8.2	8.7	11.7	11.2	11.5	11.3	11.2	11.2
17	8.1	7.2	7.8	9.3	8.3	8.9	11.7	11.5	11.6	11.3	11.0	11.2
18	8.2	7.3	7.8	9.5	8.5	9.1	---	---	---	11.2	10.9	11.0
19	8.3	7.4	7.9	9.2	8.6	8.8	---	---	---	11.1	10.9	11.0
20	8.4	7.4	7.9	9.3	8.7	9.0	---	---	---	11.1	10.8	11.0
21	8.4	7.3	7.9	9.2	9.0	9.1	---	---	---	10.9	10.6	10.8
22	8.2	7.3	7.8	9.4	9.1	9.3	---	---	---	10.8	10.6	10.7
23	8.5	7.5	8.2	9.5	9.3	9.4	---	---	---	11.0	10.7	10.9
24	8.8	8.2	8.6	9.3	8.7	9.1	---	---	---	10.9	10.6	10.8
25	8.9	8.2	8.6	9.0	8.6	8.8	---	---	---	10.8	10.6	10.7
26	9.0	8.1	8.5	8.9	8.6	8.8	---	---	---	10.9	10.6	10.7
27	8.9	8.0	8.3	8.9	8.3	8.7	---	---	---	10.9	10.6	10.7
28	8.7	7.8	8.2	8.9	8.2	8.6	---	---	---	11.2	10.8	11.0
29	8.6	8.0	8.3	9.4	8.7	9.0	---	---	---	11.3	11.1	11.2
30	8.7	8.3	8.5	9.5	8.7	9.1	---	---	---	11.2	11.0	11.1
31	8.8	8.4	8.6	---	---	---	---	---	---	11.2	10.9	11.1
MONTH	9.0	5.6	7.7	9.5	7.6	8.6	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	11.3	11.0	11.2	---	---	---	---	---	---	6.2	5.3	5.5
2	11.4	11.2	11.3	---	---	---	---	---	---	6.3	5.4	5.5
3	11.4	11.3	11.4	---	---	---	9.2	8.7	9.0	---	---	---
4	11.4	11.2	11.3	---	---	---	9.3	8.6	9.0	---	---	---
5	---	---	---	---	---	---	9.4	8.9	9.2	---	---	---
6	---	---	---	---	---	---	9.4	9.0	9.2	---	---	---
7	---	---	---	---	---	---	9.6	8.9	9.2	---	---	---
8	---	---	---	---	---	---	9.5	9.1	9.3	---	---	---
9	---	---	---	9.8	9.5	9.7	9.7	9.0	9.3	---	---	---
10	---	---	---	9.9	9.6	9.7	9.6	9.2	9.4	---	---	---
11	---	---	---	9.8	9.6	9.7	9.6	9.0	9.2	---	---	---
12	---	---	---	---	---	---	9.5	9.1	9.2	6.6	5.6	6.0
13	---	---	---	---	---	---	9.3	8.0	8.6	6.3	5.5	5.8
14	---	---	---	---	---	---	8.2	8.0	8.1	6.3	5.5	5.8
15	---	---	---	---	---	---	8.1	7.5	7.9	6.6	5.5	6.0
16	---	---	---	---	---	---	8.1	7.9	8.0	6.6	5.5	6.0
17	---	---	---	---	---	---	8.2	8.0	8.1	6.7	5.6	6.1
18	---	---	---	---	---	---	8.2	8.0	8.1	6.8	5.6	6.0
19	---	---	---	---	---	---	8.0	7.6	7.8	6.4	5.7	5.9
20	---	---	---	---	---	---	7.7	7.0	7.4	6.1	5.7	5.9
21	---	---	---	---	---	---	7.5	7.0	7.2	6.7	5.4	6.1
22	---	---	---	---	---	---	7.3	6.8	7.1	6.7	5.4	6.2
23	---	---	---	---	---	---	7.1	6.5	6.8	6.8	5.3	6.3
24	---	---	---	---	---	---	6.8	6.2	6.5	7.0	5.8	6.5
25	---	---	---	---	---	---	6.9	6.0	6.2	6.9	5.9	6.4
26	---	---	---	---	---	---	6.7	5.8	6.2	7.0	6.2	6.6
27	---	---	---	---	---	---	6.5	5.7	6.2	7.5	6.5	6.9
28	---	---	---	---	---	---	6.5	5.4	5.9	7.0	6.6	6.8
29	---	---	---	---	---	---	6.4	5.3	5.6	7.2	6.6	6.9
30	---	---	---	---	---	---	6.3	5.2	5.7	7.0	6.6	6.8
31	---	---	---	---	---	---	---	---	---	7.0	6.6	6.7
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	6.6	5.3	6.2	---	---	---	6.8	5.7	6.4	7.3	6.1	6.8
2	6.0	4.8	5.2	---	---	---	7.0	6.6	6.8	6.1	5.4	5.9
3	6.3	4.7	5.3	---	---	---	6.8	6.3	6.6	6.1	5.8	5.9
4	5.9	4.9	5.2	---	---	---	6.7	6.0	6.4	6.4	6.1	6.3
5	6.4	5.0	5.4	---	---	---	---	---	---	6.5	6.0	6.3
6	6.4	5.1	5.7	---	---	---	---	---	---	6.4	5.9	6.1
7	6.8	5.9	6.3	---	---	---	---	---	---	6.7	5.5	6.0
8	6.6	5.9	6.1	---	---	---	---	---	---	6.7	5.5	6.0
9	---	---	---	---	---	---	---	---	---	7.2	6.1	6.9
10	---	---	---	---	---	---	---	---	---	7.0	5.6	6.4
11	---	---	---	---	---	---	---	---	---	5.7	5.3	5.4
12	---	---	---	---	---	---	---	---	---	5.4	5.2	5.3
13	---	---	---	---	---	---	---	---	---	5.5	5.2	5.4
14	---	---	---	---	---	---	---	---	---	5.4	5.2	5.4
15	---	---	---	6.9	5.4	6.4	---	---	---	5.3	4.7	4.9
16	---	---	---	7.3	6.2	6.8	---	---	---	5.4	4.7	5.1
17	---	---	---	6.8	6.4	6.7	---	---	---	6.0	5.4	5.7
18	---	---	---	6.7	6.2	6.5	---	---	---	7.0	6.0	6.5
19	---	---	---	6.9	6.1	6.5	---	---	---	7.4	6.9	7.1
20	---	---	---	7.3	6.2	6.7	7.2	6.8	7.1	7.5	7.1	7.3
21	---	---	---	7.4	6.4	6.9	7.2	6.8	7.1	7.5	7.1	7.3
22	---	---	---	7.3	6.4	6.9	6.9	6.7	6.8	8.0	7.4	7.8
23	---	---	---	7.1	6.2	6.7	7.0	6.7	6.8	8.0	7.7	7.9
24	---	---	---	7.0	6.2	6.6	7.2	6.9	7.1	8.0	7.8	7.9
25	---	---	---	7.0	6.2	6.5	7.2	7.0	7.1	8.0	7.7	7.8
26	---	---	---	7.0	6.1	6.5	7.2	6.7	7.0	7.9	7.6	7.8
27	---	---	---	6.8	5.9	6.3	7.0	6.4	6.8	7.8	7.4	7.6
28	---	---	---	6.4	5.4	6.0	6.9	6.2	6.5	7.6	7.4	7.5
29	---	---	---	6.7	5.4	6.1	6.8	6.1	6.4	7.8	7.4	7.6
30	---	---	---	7.1	5.6	6.4	7.0	6.2	6.5	7.8	7.5	7.7
31	---	---	---	7.2	5.6	6.5	7.3	6.6	7.1	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	8.0	4.7	6.6

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.0	7.6	7.7	8.1	7.6	7.8	10.0	9.5	9.7	---	---	---
2	7.8	7.6	7.7	8.1	7.6	7.8	10.1	9.9	10.0	---	---	---
3	7.6	7.4	7.5	8.0	7.6	7.7	---	---	---	---	---	---
4	7.8	7.5	7.7	8.0	7.6	7.7	---	---	---	---	---	---
5	7.9	7.7	7.8	8.1	7.7	7.8	---	---	---	---	---	---
6	8.0	7.7	7.9	8.1	7.7	7.8	---	---	---	---	---	---
7	8.2	7.8	8.1	8.1	7.7	7.9	---	---	---	---	---	---
8	8.4	8.1	8.2	8.2	7.7	7.9	---	---	---	---	---	---
9	8.4	7.8	8.2	8.3	7.8	8.1	---	---	---	---	---	---
10	8.2	7.8	8.0	8.4	7.7	8.0	---	---	---	---	---	---
11	8.2	7.7	7.9	8.2	7.7	7.9	---	---	---	---	---	---
12	8.1	7.7	7.8	8.2	7.8	7.9	---	---	---	---	---	---
13	7.8	7.5	7.6	8.6	7.8	8.1	---	---	---	---	---	---
14	7.8	7.4	7.5	8.8	8.2	8.5	---	---	---	---	---	---
15	8.0	7.3	7.6	9.1	8.6	8.8	---	---	---	---	---	---
16	8.3	7.9	8.1	9.5	9.0	9.3	---	---	---	---	---	---
17	8.6	8.2	8.3	9.6	9.2	9.5	---	---	---	---	---	---
18	8.6	8.0	8.3	9.7	9.3	9.5	---	---	---	---	---	---
19	8.4	7.8	8.0	9.8	9.7	9.8	---	---	---	---	---	---
20	8.2	7.6	7.9	9.8	9.6	9.6	---	---	---	---	---	---
21	8.2	7.3	7.6	9.8	9.4	9.6	---	---	---	---	---	---
22	---	---	---	9.5	9.2	9.4	---	---	---	---	---	---
23	---	---	---	9.4	9.1	9.3	---	---	---	---	---	---
24	---	---	---	9.2	8.8	9.0	---	---	---	---	---	---
25	---	---	---	9.0	8.8	8.9	---	---	---	---	---	---
26	7.8	7.5	7.6	9.1	8.9	9.0	---	---	---	---	---	---
27	7.9	7.6	7.8	9.2	8.9	9.0	---	---	---	---	---	---
28	8.0	7.7	7.8	9.1	8.9	9.0	---	---	---	---	---	---
29	8.0	7.7	7.8	9.2	9.0	9.1	---	---	---	---	---	---
30	8.1	7.7	7.8	9.6	9.1	9.3	---	---	---	---	---	---
31	8.1	7.7	7.8	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	9.8	7.6	8.6	---	---	---	---	---	---

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	88	83	86
10	---	---	---	---	---	---	---	---	---	90	85	87
11	---	---	---	---	---	---	---	---	---	90	87	89
12	---	---	---	---	---	---	---	---	---	89	87	88
13	---	---	---	---	---	---	---	---	---	89	84	86
14	---	---	---	---	---	---	---	---	---	88	83	85
15	---	---	---	---	---	---	---	---	---	89	82	85
16	---	---	---	---	---	---	---	---	---	88	82	85
17	---	---	---	---	---	---	---	---	---	88	82	84
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	86	82	84
27	---	---	---	---	---	---	---	---	---	82	76	78
28	---	---	---	---	---	---	---	---	---	77	73	75
29	---	---	---	---	---	---	---	---	---	78	73	76
30	---	---	---	---	---	---	---	---	---	79	66	76
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	94	89	91	88	83	85	93	90	92	---	---	---
2	91	89	90	88	82	85	94	92	93	---	---	---
3	89	86	87	88	83	85	---	---	---	---	---	---
4	91	87	89	88	83	84	---	---	---	---	---	---
5	92	89	90	89	84	85	---	---	---	---	---	---
6	92	89	91	88	83	85	---	---	---	---	---	---
7	94	90	93	87	82	84	---	---	---	---	---	---
8	96	92	94	88	82	85	---	---	---	---	---	---
9	96	89	93	88	83	85	---	---	---	---	---	---
10	94	89	91	87	80	83	---	---	---	---	---	---
11	94	88	90	85	79	81	---	---	---	---	---	---
12	92	87	89	84	80	81	---	---	---	---	---	---
13	88	85	87	88	80	83	---	---	---	---	---	---
14	89	84	86	88	83	86	---	---	---	---	---	---
15	90	83	86	88	85	86	---	---	---	---	---	---
16	92	88	90	90	87	89	---	---	---	---	---	---
17	95	91	92	91	87	89	---	---	---	---	---	---
18	95	88	91	90	87	89	---	---	---	---	---	---
19	93	87	89	91	90	91	---	---	---	---	---	---
20	92	85	88	92	90	91	---	---	---	---	---	---
21	92	81	85	92	90	91	---	---	---	---	---	---
22	---	---	---	91	89	90	---	---	---	---	---	---
23	---	---	---	91	88	90	---	---	---	---	---	---
24	---	---	---	90	87	89	---	---	---	---	---	---
25	---	---	---	89	87	88	---	---	---	---	---	---
26	84	81	82	90	88	89	---	---	---	---	---	---
27	85	81	83	90	88	88	---	---	---	---	---	---
28	86	82	84	90	88	89	---	---	---	---	---	---
29	85	82	83	90	88	89	---	---	---	---	---	---
30	86	83	84	92	88	90	---	---	---	---	---	---
31	87	82	84	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	92	79	87	---	---	---	---	---	---

02105769 CAPE FEAR RIVER AT LOCK 1 NEAR KELLY, NC—Continued

PRECIPITATION RECORDS

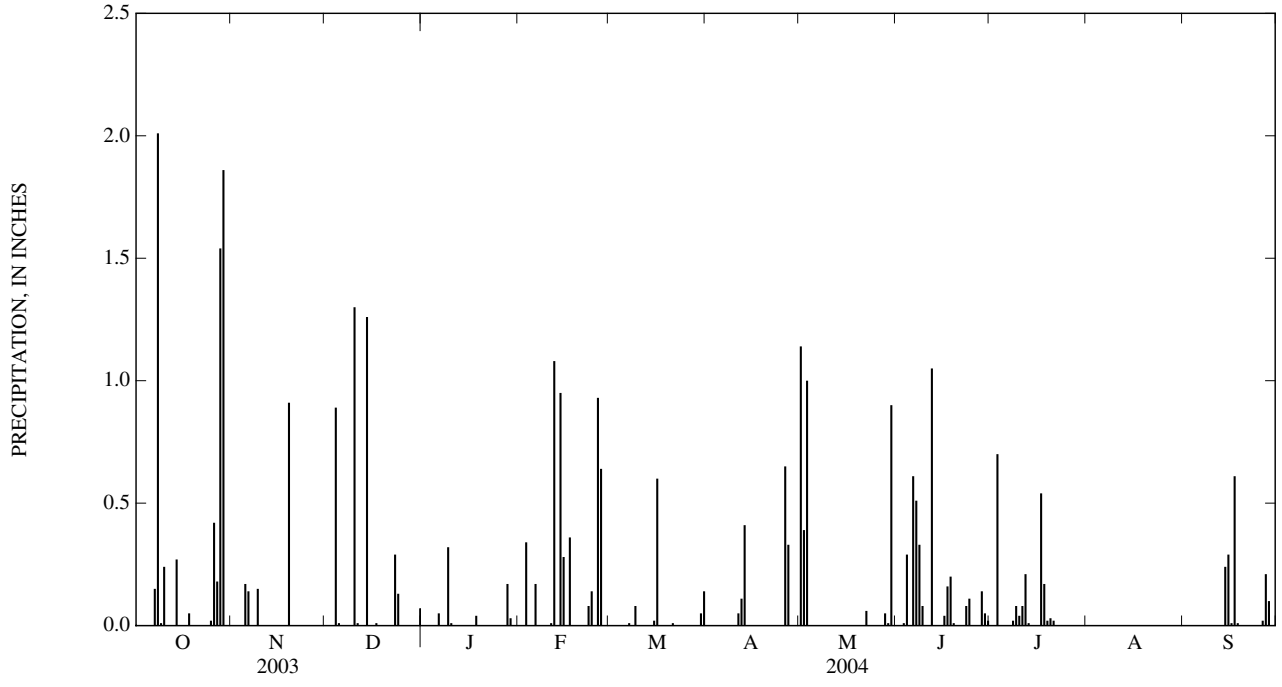
PERIOD OF RECORD.--November 1998 to current year. Records from November 1998 to September 1999 are unpublished and available in the USGS District Office, Raleigh, NC.

GAGE.--Tipping-bucket raingage and data collection platform.

REMARKS.--Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	0.00	0.00	---	---
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00	---	---
3	0.00	0.00	0.00	0.00	0.34	0.00	0.00	1.00	0.01	0.70	---	---
4	0.00	0.00	0.89	0.00	0.00	0.00	0.00	0.00	0.29	0.00	---	---
5	0.00	0.17	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
6	0.00	0.14	0.00	0.05	0.17	0.00	0.00	0.00	0.61	0.00	---	---
7	0.15	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.51	0.00	---	---
8	2.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.02	---	---
9	0.01	0.15	0.00	0.32	0.00	0.08	0.00	0.00	0.08	0.08	---	---
10	0.24	0.00	1.30	0.01	0.00	0.00	0.00	0.00	0.00	0.04	---	---
11	0.00	0.00	0.01	0.00	0.01	0.00	0.05	0.00	0.00	0.08	---	---
12	0.00	0.00	0.00	0.00	1.08	0.00	0.11	0.00	1.05	0.21	---	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.01	---	0.00
14	0.27	0.00	1.26	0.00	0.95	0.00	0.00	0.00	0.00	0.00	---	0.24
15	0.00	0.00	0.00	0.00	0.28	0.02	0.00	0.00	0.00	0.00	---	0.29
16	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.04	0.00	---	0.01
17	0.00	0.00	0.01	0.00	0.36	0.00	0.00	0.00	0.16	0.54	---	0.61
18	0.05	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.20	0.17	---	0.01
19	0.00	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	---	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	---	0.00
21	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.02	---	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	---	0.00
23	0.00	0.00	0.29	0.00	0.08	0.00	0.00	0.00	0.08	---	---	0.00
24	0.00	0.00	0.13	0.00	0.14	0.00	0.00	0.00	0.11	---	---	0.00
25	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00
26	0.42	0.00	0.00	0.00	0.93	0.00	0.65	0.00	0.00	---	---	0.02
27	0.18	0.00	0.00	0.00	0.64	0.00	0.33	0.00	0.00	---	---	0.21
28	1.54	0.00	0.00	0.17	0.00	0.00	0.00	0.05	0.14	---	---	0.10
29	1.86	0.00	0.00	0.03	0.00	0.00	0.00	0.01	0.05	---	---	0.00
30	0.00	0.00	0.00	0.00	---	0.05	0.00	0.90	0.02	---	---	0.00
31	0.00	---	0.00	0.00	---	0.14	---	0.00	---	---	---	---
TOTAL	6.75	1.37	3.90	0.62	4.98	0.91	1.55	3.55	3.69	---	---	---



02105900 HOOD CREEK NEAR LELAND, NC

LOCATION.--Lat 34°16'43", long 78°07'31", Brunswick County, Hydrologic Unit 03030005, on right bank at downstream side of bridge on U.S. Highway 74-76, 0.4 mi downstream from Pasture Pond Branch, 1 mi southeast of Maco, and 4.8 mi northwest of Leland.

DRAINAGE AREA.--21.6 mi^2.

PERIOD OF RECORD.--Occasional low-flow measurements water years 1950-56, and annual maximum, water years 1953-56. October 1956 to September 1973. October 1993 to current year.

GAGE.--Water-stage recorder. Datum of gage is 12.22 ft above NGVD of 1929. Prior to Nov. 28, 1956, crest-stage gage at site 150 ft upstream at datum 9.60 ft lower. Nov. 29, 1956 to Apr. 24, 1969, water-stage recorder 150 ft upstream at datum 0.19 ft higher. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records poor. Maximum gage height for period of record from floodmark. Maximum gage height for current water year also occurred Aug. 16. Low flows possibly affected by tide. No flow, also occurred Sept. 11, 1997.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	71	15	24	32	88	8.5	20	3.9	7.8	14	42
2	3.6	52	14	23	29	66	8.5	71	3.0	14	14	59
3	3.0	41	14	22	30	54	8.3	90	3.7	15	15	64
4	2.5	34	15	21	32	45	7.7	103	8.2	12	15	46
5	1.8	31	22	20	30	40	7.1	56	10	11	15	35
6	1.3	28	24	19	28	35	6.5	32	9.0	10	18	32
7	1.1	25	21	18	36	31	6.1	21	7.9	8.5	16	54
8	24	23	19	17	37	28	6.1	16	6.4	7.3	15	100
9	97	21	17	18	31	24	5.9	12	5.3	7.7	13	159
10	71	21	25	20	27	24	5.6	9.6	4.4	7.1	11	128
11	46	19	88	20	25	23	5.5	8.0	3.4	8.5	9.3	93
12	37	18	76	20	45	22	5.6	6.8	7.8	15	9.6	121
13	28	16	49	19	95	20	5.9	5.9	7.7	20	206	87
14	24	14	122	18	85	18	5.8	6.0	6.7	17	200	59
15	32	14	186	17	158	17	5.6	5.8	6.0	13	262	45
16	39	14	105	16	129	20	5.3	5.6	5.0	11	296	42
17	27	14	78	15	102	23	4.8	5.3	5.4	10	166	50
18	22	13	67	16	120	21	4.3	5.5	7.0	13	98	64
19	19	23	56	16	94	17	3.6	5.3	4.9	17	65	59
20	17	58	47	15	69	15	3.2	5.1	3.1	17	45	46
21	15	49	40	15	55	13	2.7	4.6	2.5	14	48	35
22	14	33	37	14	46	11	2.4	3.6	2.3	13	155	27
23	12	27	33	14	39	10	2.4	2.9	1.9	11	110	21
24	12	23	48	14	36	9.3	2.4	2.3	1.2	10	63	18
25	11	20	58	13	34	9.1	2.4	1.8	0.89	8.9	41	16
26	12	18	48	28	41	8.7	2.9	1.4	0.69	8.5	33	14
27	18	18	38	91	127	8.5	4.1	0.99	0.63	8.3	37	16
28	52	17	33	84	227	8.3	5.2	0.87	1.5	8.7	59	17
29	298	16	30	60	135	8.0	5.9	1.4	1.3	15	58	17
30	228	15	28	46	---	7.8	6.4	3.6	2.1	13	56	17
31	109	---	26	38	---	8.1	---	4.6	---	13	56	---
TOTAL	1,281.4	786	1,479	791	1,974	732.8	156.7	517.96	133.81	365.3	2,218.9	1,583
MEAN	41.3	26.2	47.7	25.5	68.1	23.6	5.22	16.7	4.46	11.8	71.6	52.8
MAX	298	71	186	91	227	88	8.5	103	10	20	296	159
MIN	1.1	13	14	13	25	7.8	2.4	0.87	0.63	7.1	9.3	14
CFSM	1.91	1.21	2.21	1.18	3.15	1.09	0.24	0.77	0.21	0.55	3.31	2.44
IN.	2.21	1.35	2.55	1.36	3.40	1.26	0.27	0.89	0.23	0.63	3.82	2.73

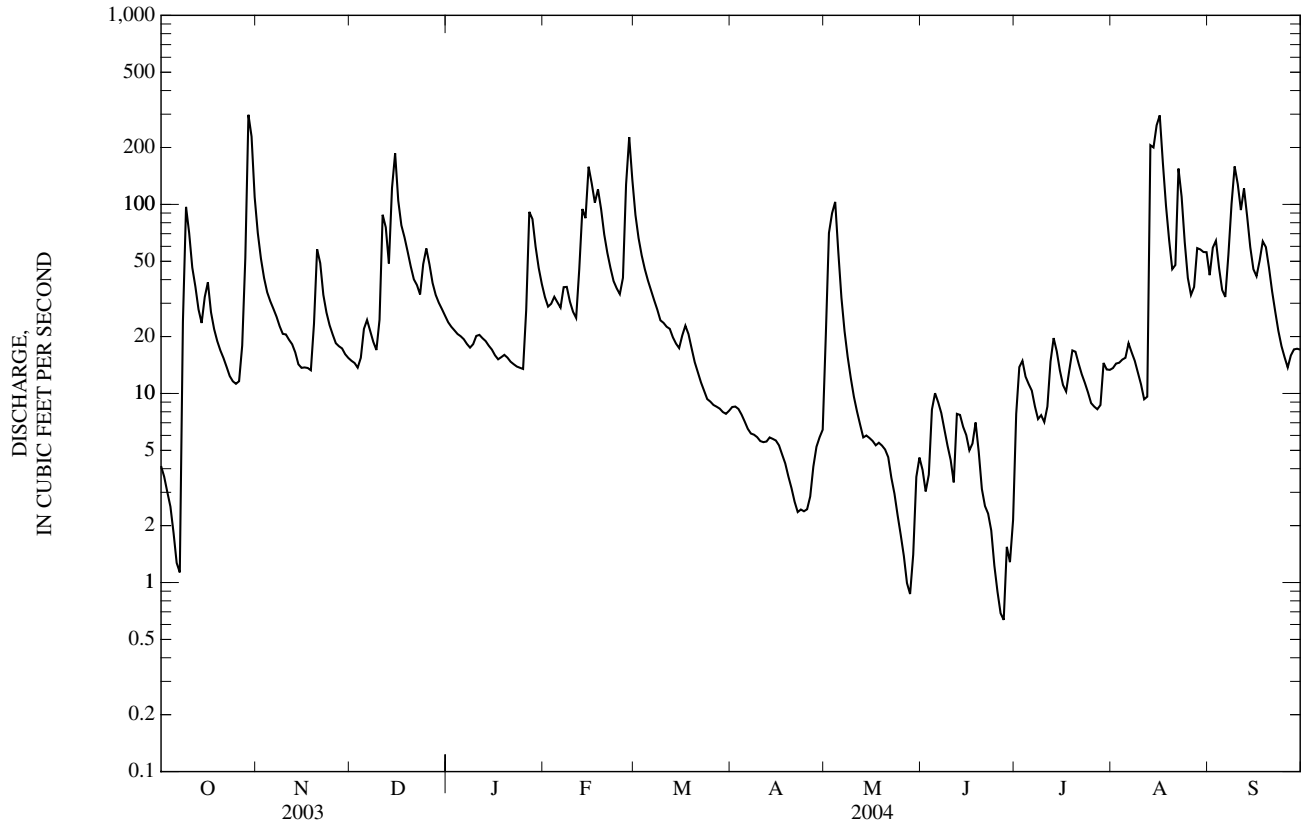
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2004, BY WATER YEAR (WY)

MEAN	30.3	20.9	28.0	44.3	53.4	55.4	32.1	18.3	21.9	36.4	48.7	58.0
MAX	115	52.6	74.5	93.8	177	111	115	137	143	133	153	534
(WY)	(2000)	(1960)	(1973)	(1964)	(1998)	(1959)	(1961)	(1999)	(1961)	(1996)	(1969)	(1999)
MIN	1.11	0.53	1.53	3.20	3.54	8.27	3.69	1.67	0.32	0.73	0.15	0.51
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(1967)	(1995)	(1960)	(1957)	(1957)	(1963)

02105900 HOOD CREEK NEAR LELAND, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1957 - 2004	
ANNUAL TOTAL	13,795.37		12,019.87			
ANNUAL MEAN	37.8		32.8		37.2	
HIGHEST ANNUAL MEAN					80.6	1999
LOWEST ANNUAL MEAN					10.5	2002
HIGHEST DAILY MEAN	842	Mar 21	298	Oct 29	3,000	Sep 16, 1999
LOWEST DAILY MEAN	0.43	Sep 17	0.63	Jun 27	0.00	Sep 10, 1997
ANNUAL SEVEN-DAY MINIMUM	0.52	Sep 11	1.2	Jun 23	0.02	Sep 4, 1997
MAXIMUM PEAK FLOW			448	Oct 29	4,800	Sep 16, 1999
MAXIMUM PEAK STAGE			7.35	Aug 13	13.89*	Sep 16, 1999
INSTANTANEOUS LOW FLOW			0.58	Jun 26	0.00*	Sep 10, 1997
ANNUAL RUNOFF (CFSM)	1.75		1.52		1.72	
ANNUAL RUNOFF (INCHES)	23.76		20.70		23.42	
10 PERCENT EXCEEDS	72		84		83	
50 PERCENT EXCEEDS	20		17		15	
90 PERCENT EXCEEDS	3.4		3.7		1.6	

* See REMARKS.



02106500 BLACK RIVER NEAR TOMAHAWK, NC

LOCATION.--Lat 34°45'18", long 78°17'19", Sampson County, Hydrologic Unit 03030006, on left bank 30 ft upstream from bridge on State Highway 411, 0.2 mi downstream of Clear Run Swamp, and 3.8 mi northeast of Tomahawk.

DRAINAGE AREA.--676 mi^2.

PERIOD OF RECORD.--October 1951 to current year.

REVISED RECORDS.--WSP 1723: 1955(M). WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 24.61 ft above NGVD of 1929. Nonrecording gage on downstream side of bridge Oct. 1, 1951 to June 29, 1961. Water-stage recorder was at present site at datum of 24.26 ft June 30, 1961 to Sept. 30, 1964. Satellite telemetry at station

REMARKS.--Records good, except those for estimated daily discharges, which are poor. Maximum gage height for period of record, from floodmarks.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1928 reached a stage of 22.0 ft, present datum; discharge, 14,500 ft^3/s and floods in 1945 and 1948 reached a stage of 17.6 ft, present datum; discharge, 5,420 ft^3/s, from information furnished by North Carolina State Highway Commission.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	413	1,440	523	818	670	1,980	466	528	582	458	133	1,070
2	381	1,390	498	768	620	2,030	460	e611	535	640	144	1,280
3	347	1,220	468	731	607	2,000	432	e1,030	487	558	188	1,260
4	319	1,060	457	703	687	1,870	414	e1,510	433	485	256	1,090
5	297	972	619	686	700	1,730	393	1,770	506	441	245	909
6	277	953	793	668	667	1,620	368	2,080	512	357	234	806
7	259	1,000	775	653	650	1,520	348	2,370	399	302	254	839
8	254	1,040	710	632	636	1,380	335	2,400	334	260	248	892
9	340	929	652	628	602	1,240	323	2,100	308	225	239	973
10	450	781	624	674	576	1,080	313	1,590	314	194	228	1,090
11	429	666	1,000	688	564	928	392	1,120	295	172	214	1,170
12	419	604	1,300	660	595	808	1,180	815	340	179	199	1,160
13	396	573	1,390	659	869	731	1,730	768	425	178	235	1,080
14	364	534	1,500	649	1,030	671	2,180	979	385	207	431	996
15	369	492	1,750	628	1,170	634	2,410	996	343	219	1,030	904
16	389	463	1,930	604	1,330	629	2,490	762	337	200	1,360	806
17	373	445	2,080	e570	1,430	656	2,350	530	353	173	1,580	727
18	354	431	2,170	557	1,510	649	2,000	440	383	153	1,810	759
19	344	450	2,160	576	1,530	619	1,480	392	378	144	2,000	908
20	328	851	2,040	567	1,490	589	983	359	389	e131	2,050	910
21	312	1,090	1,860	541	1,380	557	736	394	351	e132	1,930	834
22	298	1,030	1,690	523	1,250	531	612	382	308	e125	1,670	744
23	282	935	1,550	511	1,130	502	524	333	e280	e119	1,430	663
24	267	830	1,470	496	1,050	475	458	400	e290	e109	1,350	600
25	252	750	1,460	487	971	456	409	704	338	e107	1,340	558
26	242	696	1,400	499	925	439	391	593	300	e104	1,310	524
27	243	652	1,280	560	1,230	422	825	419	270	e97	1,230	503
28	252	621	1,150	658	1,620	409	1,030	346	266	e91	1,130	507
29	e735	594	1,020	740	1,860	399	834	297	319	85	1,010	542
30	e1,140	554	933	755	---	386	615	274	356	82	975	502
31	1,410	---	872	725	---	399	---	425	---	112	998	---
TOTAL	12,535	24,046	38,124	19,614	29,349	28,339	27,481	27,717	11,116	6,839	27,451	25,606
MEAN	404	802	1,230	633	1,012	914	916	894	371	221	886	854
MAX	1,410	1,440	2,170	818	1,860	2,030	2,490	2,400	582	640	2,050	1,280
MIN	242	431	457	487	564	386	313	274	266	82	133	502
CFSM	0.60	1.19	1.82	0.94	1.50	1.35	1.36	1.32	0.55	0.33	1.31	1.26
IN.	0.69	1.32	2.10	1.08	1.62	1.56	1.51	1.53	0.61	0.38	1.51	1.41

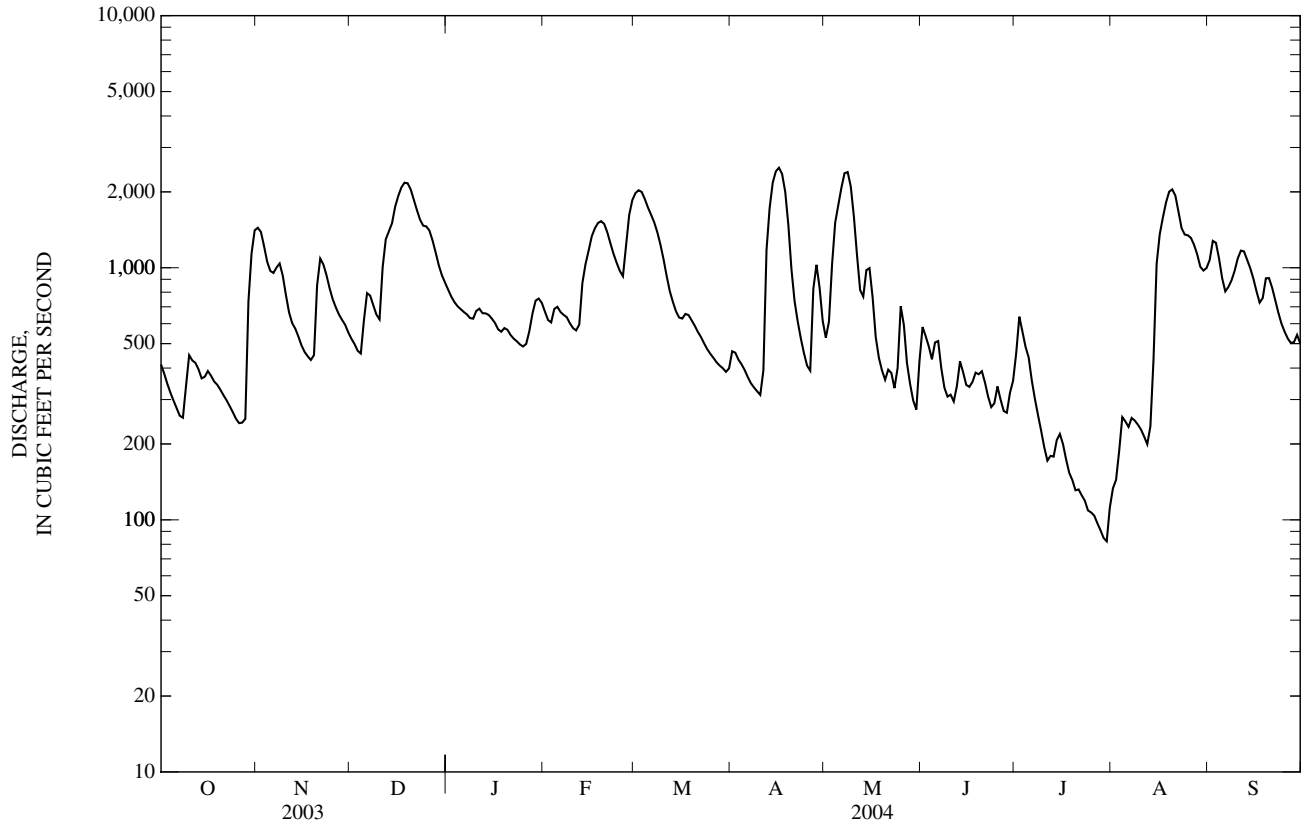
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2004, BY WATER YEAR (WY)

MEAN	525	500	711	1,123	1,310	1,418	1,062	542	488	533	714	717
MAX	4,421	1,412	2,164	2,903	4,212	3,410	3,070	1,687	3,089	3,949	2,810	5,812
(WY)	(2000)	(1963)	(1993)	(1993)	(1998)	(1983)	(1973)	(1978)	(1995)	(2003)	(1974)	(1999)
MIN	29.6	57.1	238	287	448	460	225	117	73.0	68.0	25.2	13.4
(WY)	(1955)	(1974)	(1989)	(1986)	(1989)	(1981)	(1981)	(2001)	(2002)	(1998)	(1954)	(1954)

02106500 BLACK RIVER NEAR TOMAHAWK, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1952 - 2004	
ANNUAL TOTAL	500,560		278,217			
ANNUAL MEAN	1,371		760		801	
HIGHEST ANNUAL MEAN					1,300	1960
LOWEST ANNUAL MEAN					327	1986
HIGHEST DAILY MEAN	7,990	Jul 17	2,490	Apr 16	27,300	Sep 18, 1999
LOWEST DAILY MEAN	242	Oct 26	82	Jul 30	8.9	Sep 13, 1954
ANNUAL SEVEN-DAY MINIMUM	262	Oct 22	96	Jul 24	9.9	Oct 9, 1954
MAXIMUM PEAK FLOW			2,510	Apr 16	28,500	Sep 18, 1999
MAXIMUM PEAK STAGE			12.49	Apr 16	27.14*	Sep 18, 1999
INSTANTANEOUS LOW FLOW			79	Jul 30	8.5	Oct 13, 1954
ANNUAL RUNOFF (CFSM)	2.03		1.12		1.18	
ANNUAL RUNOFF (INCHES)	27.55		15.31		16.10	
10 PERCENT EXCEEDS	2,920		1,520		1,780	
50 PERCENT EXCEEDS	935		612		520	
90 PERCENT EXCEEDS	376		251		107	

* See REMARKS.
e Estimated.



02107544 BLACK RIVER NEAR CURRIE, NC

LOCATION.--Lat 34°25'54", long 78°08'37", Pender County, Hydrologic Unit 03030005, at bridge on NC Highway 210, 3 mi above Moores Creek, and 3.25 mi southwest of Currie.

DRAINAGE AREA.--1,405 mi^2.

PERIOD OF RECORD.--March 2004 to September 2004.

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is at NGVD of 1929 (approximate). Satellite telemetry at station.

REMARKS.--Records fair. 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 CURRENT WATER YEAR.--Maximum discharge, 3,610 ft^3/s, Mar. 8, maximum gage height, 5.20 ft, Mar. 8; minimum discharge, -1,030, Aug. 1.

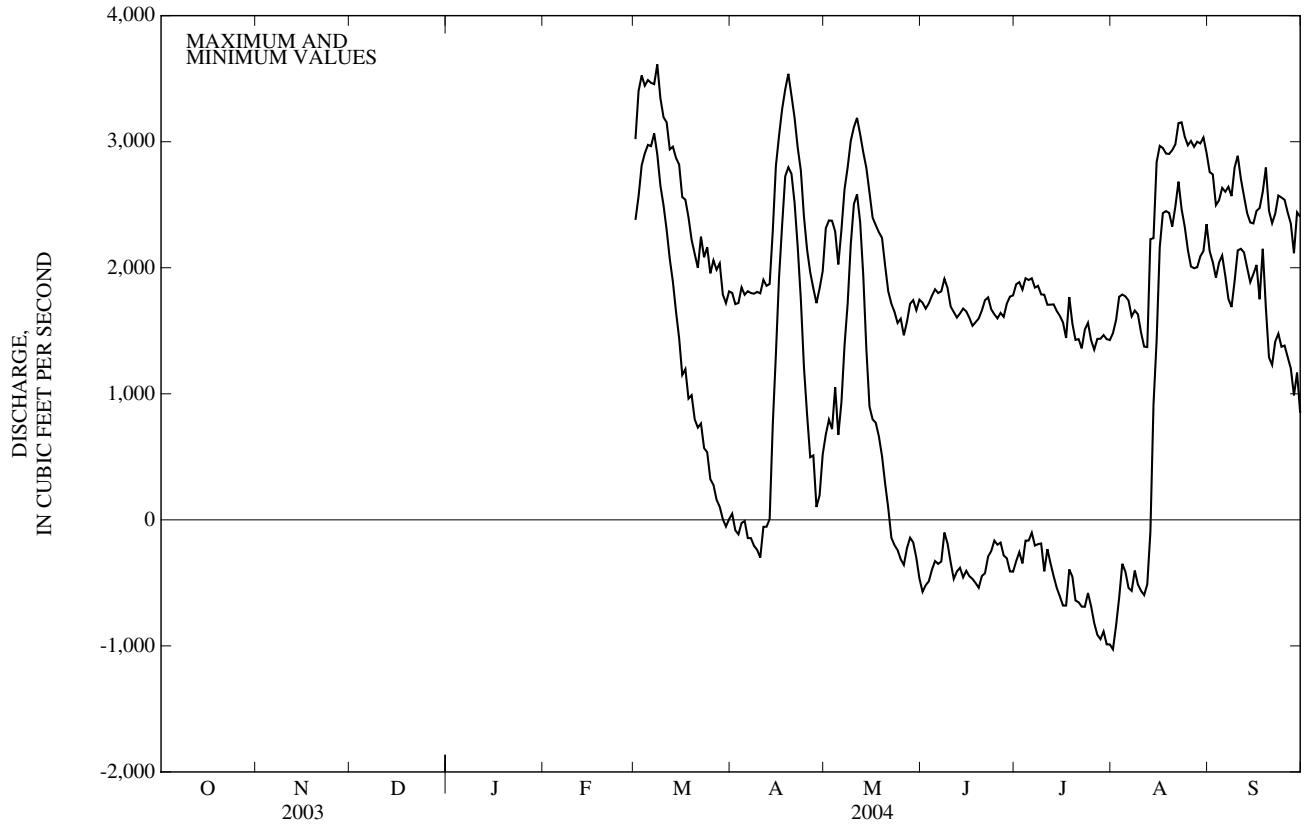
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	---	---	---	---	3,020	2,380
2	---	---	---	---	---	---	---	---	---	---	3,400	2,570
3	---	---	---	---	---	---	---	---	---	---	3,530	2,810
4	---	---	---	---	---	---	---	---	---	---	3,440	2,910
5	---	---	---	---	---	---	---	---	---	---	3,490	2,970
6	---	---	---	---	---	---	---	---	---	---	3,470	2,960
7	---	---	---	---	---	---	---	---	---	---	3,460	3,070
8	---	---	---	---	---	---	---	---	---	---	3,610	2,900
9	---	---	---	---	---	---	---	---	---	---	3,340	2,650
10	---	---	---	---	---	---	---	---	---	---	3,190	2,500
11	---	---	---	---	---	---	---	---	---	---	3,150	2,300
12	---	---	---	---	---	---	---	---	---	---	2,940	2,070
13	---	---	---	---	---	---	---	---	---	---	2,960	1,890
14	---	---	---	---	---	---	---	---	---	---	2,870	1,650
15	---	---	---	---	---	---	---	---	---	---	2,820	1,440
16	---	---	---	---	---	---	---	---	---	---	2,560	1,150
17	---	---	---	---	---	---	---	---	---	---	2,540	1,200
18	---	---	---	---	---	---	---	---	---	---	2,400	962
19	---	---	---	---	---	---	---	---	---	---	2,220	989
20	---	---	---	---	---	---	---	---	---	---	2,110	797
21	---	---	---	---	---	---	---	---	---	---	2,000	732
22	---	---	---	---	---	---	---	---	---	---	2,250	764
23	---	---	---	---	---	---	---	---	---	---	2,080	569
24	---	---	---	---	---	---	---	---	---	---	2,160	536
25	---	---	---	---	---	---	---	---	---	---	1,960	323
26	---	---	---	---	---	---	---	---	---	---	2,060	277
27	---	---	---	---	---	---	---	---	---	---	1,980	159
28	---	---	---	---	---	---	---	---	---	---	2,030	104
29	---	---	---	---	---	---	---	---	---	---	1,790	5.2
30	---	---	---	---	---	---	---	---	---	---	1,720	-53
31	---	---	---	---	---	---	---	---	---	---	1,810	5.4
MONTH	---	---	---	---	---	---	---	---	---	---	3,610	-53

02107544 BLACK RIVER NEAR CURRIE, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	1,800	49	2,310	678	1,720	-571	1,870	-327	1,480	-1,030	2,760	2,130
2	1,710	-83	2,380	795	1,680	-519	1,890	-256	1,590	-840	2,740	2,040
3	1,720	-115	2,370	720	1,720	-488	1,830	-346	1,770	-616	2,500	1,920
4	1,840	-25	2,290	1,050	1,780	-396	1,920	-165	1,790	-349	2,540	2,040
5	1,790	-9.3	2,030	674	1,830	-327	1,900	-165	1,770	-412	2,630	2,100
6	1,810	-145	2,300	931	1,800	-350	1,920	-102	1,740	-541	2,600	1,940
7	1,800	-145	2,620	1,390	1,810	-331	1,840	-204	1,610	-563	2,640	1,750
8	1,790	-207	2,800	1,720	1,910	-101	1,860	-193	1,660	-403	2,570	1,690
9	1,810	-238	3,010	2,190	1,840	-187	1,790	-188	1,630	-512	2,800	1,900
10	1,800	-299	3,120	2,510	1,690	-337	1,790	-408	1,490	-563	2,890	2,140
11	1,900	-55	3,190	2,580	1,650	-469	1,710	-233	1,370	-597	2,710	2,150
12	1,860	-55	3,060	2,360	1,600	-410	1,710	-344	1,370	-511	2,570	2,120
13	1,870	5.7	2,920	1,940	1,640	-380	1,710	-446	2,230	-97	2,430	2,000
14	2,290	752	2,790	1,350	1,680	-456	1,660	-540	2,230	915	2,360	1,890
15	2,810	1,310	2,600	899	1,650	-404	1,620	-608	2,840	1,420	2,350	1,950
16	3,040	1,920	2,400	797	1,600	-447	1,570	-680	2,970	2,160	2,450	2,020
17	3,260	2,340	2,340	770	1,540	-469	1,440	-680	2,950	2,430	2,470	1,750
18	3,420	2,730	2,280	663	1,570	-501	1,770	-393	2,910	2,450	2,600	2,150
19	3,540	2,800	2,240	508	1,600	-539	1,560	-451	2,900	2,440	2,790	1,680
20	3,370	2,740	2,020	290	1,660	-445	1,430	-639	2,930	2,330	2,450	1,290
21	3,190	2,510	1,810	95	1,740	-424	1,430	-654	2,980	2,490	2,350	1,230
22	2,950	2,160	1,710	-142	1,760	-291	1,360	-689	3,150	2,680	2,430	1,410
23	2,770	1,740	1,650	-200	1,670	-247	1,510	-690	3,150	2,460	2,570	1,480
24	2,410	1,210	1,560	-240	1,630	-165	1,560	-580	3,040	2,330	2,560	1,370
25	2,140	832	1,600	-313	1,600	-197	1,430	-685	2,970	2,140	2,540	1,380
26	1,960	497	1,460	-358	1,640	-180	1,350	-819	3,010	2,010	2,440	1,290
27	1,840	511	1,570	-224	1,610	-283	1,440	-912	2,960	2,000	2,350	1,200
28	1,720	102	1,710	-142	1,720	-305	1,440	-947	3,000	2,000	2,120	988
29	1,840	194	1,740	-179	1,770	-409	1,470	-885	2,990	2,090	2,440	1,170
30	1,970	519	1,660	-302	1,780	-411	1,430	-988	3,030	2,130	2,410	849
31	---	---	1,750	-466	---	---	1,430	-988	2,910	2,350	---	---
MONTH	3,540	-299	3,190	-466	1,910	-571	1,920	-988	3,150	-1,030	2,890	849



02107544 BLACK RIVER NEAR CURRIE, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1956, 2003 to December 2004 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1955 to September 1956, September 2003 to December 2004.
SALINITY: October 1955 to September 1956, September 2003 to December 2004.
pH: September 2003 to December 2004.
WATER TEMPERATURE: October 1955 to September 1956, September 2003 to December 2004.
DISSOLVED OXYGEN: September 2003 to December 2004.
DISSOLVED OXYGEN, PERCENT SATURATION: September 2003 to December 2004.

INSTRUMENTATION.--Water-quality monitor from September 2003 to February 2004. Water-quality monitor with satellite telemetry from February 2004 to December 2004.

REMARKS.--Station currently operated in cooperation with the North Carolina Department of Environment and Natural Resources. Salinity and dissolved oxygen, percent saturation are computed. The salinity is computed from specific conductance using the conversion from U.S. Geological Survey Water-Supply Paper 2311. The dissolved oxygen, percent saturation is computed using a barometric pressure of 760 mm of Hg.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	114, November 21, 22, 2004	38, May 11, 1956 (daily)
SALINITY, ppt	0.05, November 21, 22, 23, 2004	0.02, on many days during the period
pH, standard units	6.7, August 13, 2004	5.1, August 17, 18, 19, 20, 2004
WATER TEMPERATURE, ^{o}C	30.0, June 30, July 24, 28, 1956 (daily)	2.8, January 28, February 2, 2004
DISSOLVED OXYGEN, mg/L	11.4, January 12, 13, 2004	2.4, September 28, 2003
DISSOLVED OXYGEN, PERCENT SATURATION,%	90, February 5, 2004	28, September 28, 2003

EXTREMES FOR CURRENT PERIOD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	114, November 21, 22, 2004	45, August 17, 2004
SALINITY, ppt	0.05, November 21, 22, 23, 2004	0.02, on many days during the period
pH, standard units	6.7, August 13, 2004	5.1, August 17, 18, 19, 20, 2004
WATER TEMPERATURE, ^{o}C	29.8, July 15, 2004	2.8, January 28, February 2, 2004
DISSOLVED OXYGEN, mg/L	11.4, January 12, 13, 2004	2.4, September 28, 2003
DISSOLVED OXYGEN, PERCENT SATURATION,%	90, February 5, 2004	28, September 28, 2003

02107544 BLACK RIVER NEAR CURRIE, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	75	69	73
10	---	---	---	---	---	---	---	---	---	76	70	73
11	---	---	---	---	---	---	---	---	---	76	72	74
12	---	---	---	---	---	---	---	---	---	77	72	74
13	---	---	---	---	---	---	---	---	---	78	72	75
14	---	---	---	---	---	---	---	---	---	78	73	76
15	---	---	---	---	---	---	---	---	---	78	73	76
16	---	---	---	---	---	---	---	---	---	79	74	77
17	---	---	---	---	---	---	---	---	---	80	76	78
18	---	---	---	---	---	---	---	---	---	80	75	77
19	---	---	---	---	---	---	---	---	---	77	70	73
20	---	---	---	---	---	---	---	---	---	77	73	74
21	---	---	---	---	---	---	---	---	---	78	73	75
22	---	---	---	---	---	---	---	---	---	79	74	77
23	---	---	---	---	---	---	---	---	---	80	74	78
24	---	---	---	---	---	---	---	---	---	79	74	77
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02107544 BLACK RIVER NEAR CURRIE, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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

02107544 BLACK RIVER NEAR CURRIE, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	85	79	82	75	65	72	90	81	85	59	55	58
2	89	83	86	73	65	69	91	83	87	59	55	57
3	92	86	89	78	70	75	92	86	89	62	59	61
4	93	89	91	79	74	76	88	80	84	62	60	61
5	91	82	88	80	75	78	84	80	81	62	60	61
6	88	82	85	79	75	77	86	80	82	64	60	62
7	89	83	85	79	74	77	87	81	83	65	61	63
8	88	77	83	80	76	78	91	85	87	65	61	63
9	85	77	81	80	75	78	89	84	85	64	60	62
10	84	78	80	78	71	73	87	84	85	61	57	59
11	85	80	81	74	71	73	89	85	86	59	56	57
12	84	76	79	73	67	68	88	84	86	57	56	56
13	83	76	80	69	67	68	85	48	62	59	57	58
14	87	80	84	70	67	68	52	49	51	60	58	59
15	88	84	86	73	68	71	50	47	48	61	59	60
16	88	84	86	76	71	74	48	46	47	61	59	60
17	87	84	85	79	75	77	46	45	45	63	59	61
18	87	83	85	79	72	75	49	46	47	62	59	60
19	87	83	85	79	72	76	53	49	51	62	59	60
20	89	84	86	87	77	82	57	53	56	63	59	61
21	89	85	87	88	84	85	58	56	57	64	60	62
22	87	81	85	88	84	86	60	56	58	65	61	62
23	83	81	82	88	85	86	60	58	59	66	61	64
24	84	81	82	86	76	81	61	58	60	66	63	64
25	81	79	80	78	73	76	62	59	60	67	63	65
26	80	77	78	80	78	79	62	59	60	67	62	64
27	78	76	77	81	79	80	61	58	59	66	62	64
28	77	75	76	83	79	81	62	58	60	66	61	64
29	77	73	75	85	80	81	61	56	58	65	61	63
30	75	73	74	84	79	81	59	56	58	66	62	64
31	---	---	---	87	80	83	58	56	57	---	---	---
MONTH	93	73	83	88	65	77	92	45	67	67	55	61

02107544 BLACK RIVER NEAR CURRIE, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	66	62	64	92	81	87	89	83	87	---	---	---
2	67	62	64	93	84	88	87	82	84	---	---	---
3	68	63	65	94	84	89	---	---	---	---	---	---
4	69	64	66	95	86	90	---	---	---	---	---	---
5	70	65	67	96	88	92	---	---	---	---	---	---
6	71	66	68	97	91	93	---	---	---	---	---	---
7	70	65	67	99	91	94	---	---	---	---	---	---
8	70	64	67	101	93	96	---	---	---	---	---	---
9	71	65	68	103	95	99	---	---	---	---	---	---
10	73	66	70	105	98	101	---	---	---	---	---	---
11	74	66	70	104	97	100	---	---	---	---	---	---
12	75	68	72	104	97	100	---	---	---	---	---	---
13	76	68	72	102	90	95	---	---	---	---	---	---
14	76	68	72	100	92	96	---	---	---	---	---	---
15	77	69	72	107	96	100	---	---	---	---	---	---
16	76	68	72	108	95	101	---	---	---	---	---	---
17	76	70	72	98	91	96	---	---	---	---	---	---
18	78	70	73	102	93	99	---	---	---	---	---	---
19	78	70	73	107	96	102	---	---	---	---	---	---
20	78	70	73	112	100	107	---	---	---	---	---	---
21	78	70	72	114	105	110	---	---	---	---	---	---
22	81	71	75	114	104	110	---	---	---	---	---	---
23	82	74	76	113	92	103	---	---	---	---	---	---
24	85	75	79	100	91	95	---	---	---	---	---	---
25	84	75	79	100	91	95	---	---	---	---	---	---
26	85	76	79	97	90	94	---	---	---	---	---	---
27	86	78	80	100	91	96	---	---	---	---	---	---
28	88	78	81	98	84	90	---	---	---	---	---	---
29	89	80	83	90	84	87	---	---	---	---	---	---
30	90	82	85	90	83	87	---	---	---	---	---	---
31	92	83	86	---	---	---	---	---	---	---	---	---
MONTH	92	62	73	114	81	96	---	---	---	---	---	---

02107544 BLACK RIVER NEAR CURRIE, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
10	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
11	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
12	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
13	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
14	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
15	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
16	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
17	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
18	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
19	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
20	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
21	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
22	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
23	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
24	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02107544 BLACK RIVER NEAR CURRIE, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	0.03	0.03	0.03	---	---	---	---	---	---
2	---	---	---	0.03	0.03	0.03	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
7	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
8	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
9	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
10	0.03	0.03	0.03	---	---	---	---	---	---	0.03	0.03	0.03
11	0.03	0.03	0.03	---	---	---	---	---	---	0.03	0.03	0.03
12	0.03	0.03	0.03	---	---	---	---	---	---	0.03	0.03	0.03
13	0.03	0.03	0.03	---	---	---	---	---	---	0.03	0.03	0.03
14	0.03	0.03	0.03	---	---	---	---	---	---	0.03	0.03	0.03
15	0.03	0.03	0.03	---	---	---	---	---	---	0.03	0.03	0.03
16	0.03	0.03	0.03	---	---	---	---	---	---	0.03	0.03	0.03
17	0.03	0.03	0.03	---	---	---	---	---	---	0.03	0.03	0.03
18	0.03	0.03	0.03	---	---	---	---	---	---	0.03	0.03	0.03
19	0.03	0.03	0.03	---	---	---	---	---	---	0.03	0.03	0.03
20	0.03	0.03	0.03	---	---	---	---	---	---	0.03	0.03	0.03
21	0.03	0.03	0.03	---	---	---	---	---	---	0.03	0.03	0.03
22	0.03	0.03	0.03	---	---	---	---	---	---	0.03	0.03	0.03
23	0.03	0.03	0.03	---	---	---	---	---	---	0.03	0.03	0.03
24	0.03	0.03	0.03	---	---	---	---	---	---	0.03	0.03	0.03
25	0.03	0.03	0.03	---	---	---	---	---	---	0.03	0.03	0.03
26	0.03	0.03	0.03	---	---	---	---	---	---	0.03	0.03	0.03
27	0.03	0.03	0.03	---	---	---	---	---	---	0.03	0.03	0.03
28	0.03	0.03	0.03	---	---	---	---	---	---	0.03	0.03	0.03
29	0.03	0.02	0.03	---	---	---	---	---	---	0.03	0.03	0.03
30	0.03	0.02	0.02	---	---	---	---	---	---	0.03	0.03	0.03
31	0.03	0.02	0.03	---	---	---	---	---	---	0.03	0.03	0.03
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.02
2	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.02
3	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.02
4	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.02	0.02	0.02
5	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02
6	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02
7	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.02	0.02	0.02
8	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.02	0.02	0.02
9	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.02
10	---	---	---	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.02
11	---	---	---	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.02	0.02
12	0.04	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.02	0.02
13	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.03	0.03	0.02	0.02
14	0.03	0.03	0.03	0.03	0.02	0.02	0.03	0.02	0.03	0.03	0.02	0.02
15	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02
16	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.03
17	0.03	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02
18	0.03	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02
19	0.03	0.03	0.03	0.03	0.02	0.03	0.02	0.02	0.02	0.03	0.02	0.02
20	0.03	0.03	0.03	0.03	0.02	0.03	0.02	0.02	0.02	0.03	0.02	0.03
21	0.03	0.03	0.03	0.03	0.02	0.03	0.02	0.02	0.02	0.03	0.03	0.03
22	0.03	0.03	0.03	0.03	0.02	0.03	0.02	0.02	0.02	0.03	0.03	0.03
23	0.03	0.03	0.03	0.03	0.02	0.03	0.02	0.02	0.02	0.03	0.03	0.03
24	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.03
25	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.03
26	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.03
27	0.03	0.02	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.03
28	0.03	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.03
29	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03
30	---	---	---	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03
31	---	---	---	0.03	0.03	0.03	---	---	---	0.03	0.03	0.03
MONTH	---	---	---	0.03	0.02	0.03	0.03	0.02	0.03	0.03	0.02	0.02

02107544 BLACK RIVER NEAR CURRIE, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.02	0.02	0.02
2	0.04	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.02	0.02	0.02
3	0.04	0.03	0.04	0.03	0.03	0.03	0.04	0.03	0.04	0.02	0.02	0.02
4	0.04	0.04	0.04	0.03	0.03	0.03	0.04	0.03	0.03	0.02	0.02	0.02
5	0.04	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02
6	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02
7	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03
8	0.04	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.02	0.03
9	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.02	0.02
10	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02
11	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.02	0.02	0.02
12	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.02	0.02	0.02
13	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02
14	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
15	0.04	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
16	0.04	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
17	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.02
18	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
19	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
20	0.04	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.02
21	0.04	0.03	0.03	0.04	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.02
22	0.03	0.03	0.03	0.04	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.02
23	0.03	0.03	0.03	0.04	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.03
24	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.03
25	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.03
26	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.03
27	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.03
28	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.03
29	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.03
30	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.03
31	---	---	---	0.03	0.03	0.03	0.02	0.02	0.02	---	---	---
MONTH	0.04	0.03	0.03	0.04	0.03	0.03	0.04	0.02	0.02	0.03	0.02	0.02

02107544 BLACK RIVER NEAR CURRIE, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
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	0.03	0.02	0.03	0.04	0.03	0.03	0.04	0.03	0.03	---	---	---
2	0.03	0.02	0.03	0.04	0.03	0.04	0.03	0.03	0.03	---	---	---
3	0.03	0.03	0.03	0.04	0.03	0.04	---	---	---	---	---	---
4	0.03	0.03	0.03	0.04	0.03	0.04	---	---	---	---	---	---
5	0.03	0.03	0.03	0.04	0.04	0.04	---	---	---	---	---	---
6	0.03	0.03	0.03	0.04	0.04	0.04	---	---	---	---	---	---
7	0.03	0.03	0.03	0.04	0.04	0.04	---	---	---	---	---	---
8	0.03	0.03	0.03	0.04	0.04	0.04	---	---	---	---	---	---
9	0.03	0.03	0.03	0.04	0.04	0.04	---	---	---	---	---	---
10	0.03	0.03	0.03	0.04	0.04	0.04	---	---	---	---	---	---
11	0.03	0.03	0.03	0.04	0.04	0.04	---	---	---	---	---	---
12	0.03	0.03	0.03	0.04	0.04	0.04	---	---	---	---	---	---
13	0.03	0.03	0.03	0.04	0.04	0.04	---	---	---	---	---	---
14	0.03	0.03	0.03	0.04	0.04	0.04	---	---	---	---	---	---
15	0.03	0.03	0.03	0.04	0.04	0.04	---	---	---	---	---	---
16	0.03	0.03	0.03	0.04	0.04	0.04	---	---	---	---	---	---
17	0.03	0.03	0.03	0.04	0.04	0.04	---	---	---	---	---	---
18	0.03	0.03	0.03	0.04	0.04	0.04	---	---	---	---	---	---
19	0.03	0.03	0.03	0.04	0.04	0.04	---	---	---	---	---	---
20	0.03	0.03	0.03	0.04	0.04	0.04	---	---	---	---	---	---
21	0.03	0.03	0.03	0.05	0.04	0.04	---	---	---	---	---	---
22	0.03	0.03	0.03	0.05	0.04	0.04	---	---	---	---	---	---
23	0.03	0.03	0.03	0.05	0.04	0.04	---	---	---	---	---	---
24	0.03	0.03	0.03	0.04	0.04	0.04	---	---	---	---	---	---
25	0.03	0.03	0.03	0.04	0.04	0.04	---	---	---	---	---	---
26	0.03	0.03	0.03	0.04	0.04	0.04	---	---	---	---	---	---
27	0.03	0.03	0.03	0.04	0.04	0.04	---	---	---	---	---	---
28	0.04	0.03	0.03	0.04	0.03	0.04	---	---	---	---	---	---
29	0.04	0.03	0.03	0.04	0.03	0.03	---	---	---	---	---	---
30	0.04	0.03	0.03	0.04	0.03	0.03	---	---	---	---	---	---
31	0.04	0.03	0.03	---	---	---	---	---	---	---	---	---
MONTH	0.04	0.02	0.03	0.05	0.03	0.04	---	---	---	---	---	---

02107544 BLACK RIVER NEAR CURRIE, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	6.4	6.1	6.3
10	---	---	---	---	---	---	---	---	---	6.4	6.0	6.2
11	---	---	---	---	---	---	---	---	---	6.2	6.0	6.1
12	---	---	---	---	---	---	---	---	---	6.2	6.0	6.1
13	---	---	---	---	---	---	---	---	---	6.3	6.0	6.1
14	---	---	---	---	---	---	---	---	---	6.3	6.0	6.2
15	---	---	---	---	---	---	---	---	---	6.2	6.0	6.1
16	---	---	---	---	---	---	---	---	---	6.2	6.0	6.1
17	---	---	---	---	---	---	---	---	---	6.2	6.0	6.1
18	---	---	---	---	---	---	---	---	---	6.3	6.1	6.2
19	---	---	---	---	---	---	---	---	---	6.3	5.8	6.0
20	---	---	---	---	---	---	---	---	---	6.0	5.8	5.9
21	---	---	---	---	---	---	---	---	---	6.0	5.8	5.9
22	---	---	---	---	---	---	---	---	---	6.1	5.8	6.0
23	---	---	---	---	---	---	---	---	---	6.0	5.7	5.9
24	---	---	---	---	---	---	---	---	---	5.9	5.6	5.8
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	6.0	5.9	6.0
27	---	---	---	---	---	---	---	---	---	6.0	5.9	5.9
28	---	---	---	---	---	---	---	---	---	6.0	5.9	5.9
29	---	---	---	---	---	---	---	---	---	6.0	5.9	5.9
30	---	---	---	---	---	---	---	---	---	6.1	5.9	5.9
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02107544 BLACK RIVER NEAR CURRIE, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.2	5.9	6.0	5.8	5.7	5.7	---	---	---	---	---	---
2	6.2	6.0	6.1	5.7	5.6	5.7	---	---	---	---	---	---
3	6.2	6.0	6.1	---	---	---	---	---	---	---	---	---
4	6.2	6.0	6.1	---	---	---	---	---	---	---	---	---
5	6.2	6.0	6.1	---	---	---	---	---	---	---	---	---
6	6.3	6.1	6.1	---	---	---	---	---	---	5.8	5.6	5.7
7	6.3	6.1	6.1	---	---	---	---	---	---	5.9	5.7	5.8
8	6.3	6.0	6.1	---	---	---	---	---	---	6.0	5.7	5.8
9	6.3	6.0	6.1	---	---	---	---	---	---	6.0	5.7	5.8
10	6.2	6.0	6.1	---	---	---	---	---	---	6.0	5.7	5.8
11	6.2	6.0	6.1	---	---	---	---	---	---	6.1	5.8	5.9
12	6.2	6.0	6.1	---	---	---	---	---	---	6.1	5.9	6.0
13	6.2	6.0	6.1	---	---	---	---	---	---	6.1	5.9	6.0
14	6.2	6.0	6.1	---	---	---	---	---	---	6.1	5.9	6.0
15	6.2	6.0	6.1	---	---	---	---	---	---	6.2	5.8	6.0
16	6.3	6.0	6.1	---	---	---	---	---	---	6.2	5.9	6.0
17	6.3	6.1	6.2	---	---	---	---	---	---	6.2	5.9	6.0
18	6.3	6.1	6.2	---	---	---	---	---	---	6.2	5.8	6.0
19	6.4	6.1	6.2	---	---	---	---	---	---	6.1	5.8	6.0
20	6.4	6.1	6.2	---	---	---	---	---	---	6.2	5.8	6.0
21	6.4	6.2	6.2	---	---	---	---	---	---	6.2	5.9	6.0
22	6.4	6.2	6.2	---	---	---	---	---	---	6.2	5.9	6.1
23	6.4	6.2	6.2	---	---	---	---	---	---	6.2	5.9	6.0
24	6.4	6.2	6.2	---	---	---	---	---	---	6.2	5.9	6.1
25	6.4	6.1	6.2	---	---	---	---	---	---	6.2	5.9	6.0
26	6.4	6.1	6.2	---	---	---	---	---	---	6.2	5.9	6.0
27	6.3	6.1	6.2	---	---	---	---	---	---	6.2	5.9	6.0
28	6.3	6.1	6.2	---	---	---	---	---	---	6.0	5.9	6.0
29	6.2	5.7	6.0	---	---	---	---	---	---	6.1	5.9	6.0
30	5.8	5.7	5.7	---	---	---	---	---	---	6.1	5.9	6.0
31	5.8	5.7	5.8	---	---	---	---	---	---	6.1	5.9	6.0
MONTH	6.4	5.7	6.1	---	---	---	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	6.1	5.9	6.0	5.9	5.7	5.8	6.4	6.1	6.2	6.0	5.7	5.9
2	6.2	5.9	6.0	5.8	5.7	5.8	6.5	6.1	6.3	5.9	5.7	5.8
3	6.1	5.8	5.9	5.8	5.7	5.7	6.5	6.2	6.3	5.9	5.7	5.8
4	6.0	5.8	5.9	5.8	5.6	5.8	6.5	6.1	6.3	5.8	5.7	5.8
5	---	---	---	5.8	5.7	5.7	6.4	6.1	6.3	5.9	5.6	5.7
6	6.4	6.1	6.2	5.8	5.7	5.7	6.4	6.1	6.2	5.8	5.6	5.7
7	6.3	6.0	6.1	5.8	5.6	5.7	6.4	6.1	6.2	5.8	5.6	5.7
8	6.3	6.0	6.1	6.0	5.7	5.8	6.4	6.0	6.2	5.8	5.6	5.7
9	6.3	6.0	6.2	6.1	5.8	6.0	6.3	6.0	6.1	5.7	5.5	5.6
10	---	---	---	6.1	5.9	6.0	6.3	6.0	6.1	5.7	5.6	5.6
11	---	---	---	6.2	5.9	6.0	6.2	5.9	6.1	5.8	5.6	5.7
12	6.4	6.1	6.2	6.2	6.0	6.1	6.2	5.9	6.0	5.8	5.6	5.7
13	6.2	6.0	6.1	6.3	6.0	6.2	6.2	5.8	6.0	5.8	5.6	5.7
14	6.2	6.0	6.1	6.4	6.1	6.2	6.2	5.9	6.0	5.8	5.6	5.7
15	6.2	6.0	6.0	6.4	6.2	6.3	6.1	5.8	6.0	5.9	5.6	5.7
16	6.0	5.9	6.0	6.3	6.1	6.2	6.0	5.7	5.8	6.0	5.7	5.8
17	6.0	5.9	5.9	6.3	6.1	6.2	5.9	5.7	5.8	6.0	5.7	5.9
18	6.0	5.8	5.9	6.3	6.1	6.2	5.9	5.7	5.8	6.0	5.7	5.9
19	6.0	5.8	5.9	6.4	6.1	6.3	5.9	5.6	5.8	6.0	5.7	5.9
20	5.9	5.8	5.9	6.4	6.1	6.3	5.8	5.6	5.7	6.3	5.8	6.1
21	5.9	5.8	5.9	6.4	6.1	6.2	5.8	5.6	5.7	6.4	6.1	6.3
22	6.0	5.7	5.8	6.3	6.0	6.2	5.9	5.7	5.8	6.3	6.1	6.2
23	6.0	5.8	5.9	6.4	6.1	6.3	5.9	5.6	5.7	6.4	6.2	6.3
24	5.9	5.8	5.9	6.4	6.2	6.3	5.8	5.6	5.7	6.5	6.2	6.3
25	5.9	5.8	5.9	6.5	6.3	6.4	5.8	5.7	5.8	6.4	6.2	6.3
26	5.9	5.8	5.9	6.4	6.2	6.3	5.9	5.7	5.8	6.4	6.2	6.3
27	6.0	5.8	5.9	6.5	6.2	6.3	5.9	5.7	5.8	6.4	6.2	6.3
28	5.9	5.8	5.9	6.5	6.2	6.4	5.9	5.5	5.8	6.5	6.2	6.3
29	5.9	5.8	5.8	6.6	6.2	6.4	6.1	5.7	5.9	6.3	6.2	6.2
30	---	---	---	6.6	6.1	6.3	6.1	5.9	6.0	6.3	6.2	6.2
31	---	---	---	6.4	6.1	6.2	---	---	---	6.3	6.0	6.2
MONTH	---	---	---	6.6	5.6	6.1	6.5	5.5	6.0	6.5	5.5	5.9

02107544 BLACK RIVER NEAR CURRIE, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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

02107544 BLACK RIVER NEAR CURRIE, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	5.8	5.6	5.7	6.3	6.0	6.2	6.1	5.9	6.0	---	---	---
2	5.8	5.5	5.6	6.2	6.0	6.1	6.1	5.9	6.0	---	---	---
3	5.8	5.5	5.6	6.3	6.0	6.1	---	---	---	---	---	---
4	5.8	5.5	5.7	6.3	6.1	6.2	---	---	---	---	---	---
5	5.9	5.6	5.7	6.3	6.1	6.2	---	---	---	---	---	---
6	5.9	5.6	5.8	6.3	6.2	6.2	---	---	---	---	---	---
7	5.9	5.6	5.8	6.4	6.2	6.2	---	---	---	---	---	---
8	6.0	5.6	5.8	6.4	6.2	6.3	---	---	---	---	---	---
9	6.0	5.7	5.8	6.5	6.2	6.3	---	---	---	---	---	---
10	6.0	5.7	5.9	6.4	6.2	6.3	---	---	---	---	---	---
11	6.0	5.7	5.9	6.4	6.2	6.3	---	---	---	---	---	---
12	6.0	5.8	5.9	6.4	6.2	6.3	---	---	---	---	---	---
13	6.1	5.8	5.9	6.4	6.1	6.2	---	---	---	---	---	---
14	6.0	5.7	5.9	6.4	6.2	6.3	---	---	---	---	---	---
15	6.1	5.8	5.9	6.5	6.2	6.3	---	---	---	---	---	---
16	6.1	5.8	5.9	6.5	6.2	6.4	---	---	---	---	---	---
17	6.1	5.8	5.9	6.3	6.1	6.2	---	---	---	---	---	---
18	6.1	5.9	6.0	6.3	6.0	6.2	---	---	---	---	---	---
19	6.2	5.9	6.0	6.3	6.0	6.2	---	---	---	---	---	---
20	6.1	5.9	6.0	6.4	6.0	6.2	---	---	---	---	---	---
21	6.2	5.9	6.0	6.3	6.1	6.2	---	---	---	---	---	---
22	6.2	6.0	6.1	6.3	6.1	6.2	---	---	---	---	---	---
23	6.3	6.0	6.1	6.4	6.0	6.2	---	---	---	---	---	---
24	6.2	6.0	6.1	6.2	5.9	6.1	---	---	---	---	---	---
25	6.2	5.9	6.0	6.1	5.9	6.0	---	---	---	---	---	---
26	6.1	5.9	5.9	6.1	5.9	6.0	---	---	---	---	---	---
27	6.1	5.9	6.0	6.2	5.9	6.1	---	---	---	---	---	---
28	6.2	6.0	6.0	6.2	6.0	6.1	---	---	---	---	---	---
29	6.2	6.0	6.1	6.1	5.9	6.0	---	---	---	---	---	---
30	6.3	6.0	6.1	6.1	5.9	6.0	---	---	---	---	---	---
31	6.3	6.1	6.1	---	---	---	---	---	---	---	---	---
MONTH	6.3	5.5	5.9	6.5	5.9	6.2	---	---	---	---	---	---

02107544 BLACK RIVER NEAR CURRIE, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	24.3	23.2	23.8
10	---	---	---	---	---	---	---	---	---	24.0	23.2	23.6
11	---	---	---	---	---	---	---	---	---	23.3	22.4	22.8
12	---	---	---	---	---	---	---	---	---	22.5	22.1	22.4
13	---	---	---	---	---	---	---	---	---	22.3	22.0	22.2
14	---	---	---	---	---	---	---	---	---	22.7	21.7	22.2
15	---	---	---	---	---	---	---	---	---	23.4	22.2	22.7
16	---	---	---	---	---	---	---	---	---	24.2	23.0	23.5
17	---	---	---	---	---	---	---	---	---	23.8	22.9	23.5
18	---	---	---	---	---	---	---	---	---	23.2	21.5	22.2
19	---	---	---	---	---	---	---	---	---	22.3	20.9	21.5
20	---	---	---	---	---	---	---	---	---	23.1	21.8	22.4
21	---	---	---	---	---	---	---	---	---	23.4	22.4	22.9
22	---	---	---	---	---	---	---	---	---	23.7	22.9	23.4
23	---	---	---	---	---	---	---	---	---	23.9	23.4	23.6
24	---	---	---	---	---	---	---	---	---	23.6	22.5	23.1
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	22.9	22.1	22.5
27	---	---	---	---	---	---	---	---	---	22.8	22.0	22.3
28	---	---	---	---	---	---	---	---	---	23.5	22.7	23.0
29	---	---	---	---	---	---	---	---	---	23.5	21.9	22.6
30	---	---	---	---	---	---	---	---	---	21.9	20.2	20.7
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02107544 BLACK RIVER NEAR CURRIE, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20.3	19.2	19.6	16.6	15.5	16.1	---	---	---	---	---	---
2	19.8	19.2	19.6	16.7	15.6	16.2	---	---	---	---	---	---
3	19.6	17.9	18.4	---	---	---	---	---	---	---	---	---
4	18.4	17.5	18.0	---	---	---	---	---	---	---	---	---
5	19.0	17.9	18.5	---	---	---	---	---	---	---	---	---
6	19.2	18.2	18.7	---	---	---	---	---	---	12.5	11.2	12.1
7	19.4	18.9	19.1	---	---	---	---	---	---	11.2	8.1	9.4
8	19.4	19.1	19.2	---	---	---	---	---	---	8.1	6.7	7.1
9	19.7	19.0	19.3	---	---	---	---	---	---	6.9	6.3	6.7
10	19.9	19.6	19.7	---	---	---	---	---	---	6.3	5.2	5.9
11	19.9	19.6	19.7	---	---	---	---	---	---	5.2	3.6	4.3
12	19.9	19.3	19.6	---	---	---	---	---	---	4.4	3.2	3.8
13	20.3	19.4	19.8	---	---	---	---	---	---	5.1	4.2	4.6
14	20.6	20.2	20.4	---	---	---	---	---	---	5.4	4.7	5.1
15	20.5	19.4	20.0	---	---	---	---	---	---	6.1	5.1	5.6
16	19.4	17.9	18.5	---	---	---	---	---	---	5.9	5.0	5.3
17	18.0	17.0	17.6	---	---	---	---	---	---	5.0	4.3	4.7
18	17.9	17.4	17.7	---	---	---	---	---	---	7.4	5.0	5.9
19	17.4	16.5	16.9	---	---	---	---	---	---	7.9	7.3	7.6
20	17.1	16.3	16.7	---	---	---	---	---	---	7.3	5.4	6.1
21	17.4	16.4	16.9	---	---	---	---	---	---	5.4	4.2	4.7
22	18.2	17.3	17.7	---	---	---	---	---	---	4.9	3.8	4.4
23	17.8	16.4	16.9	---	---	---	---	---	---	5.3	4.4	4.9
24	16.4	15.3	15.7	---	---	---	---	---	---	5.8	4.5	5.2
25	15.8	15.1	15.4	---	---	---	---	---	---	5.8	4.3	5.2
26	17.1	15.8	16.3	---	---	---	---	---	---	4.3	3.2	3.8
27	18.0	17.0	17.5	---	---	---	---	---	---	3.3	3.0	3.1
28	18.3	18.0	18.1	---	---	---	---	---	---	3.6	2.8	3.2
29	18.1	16.9	17.4	---	---	---	---	---	---	4.1	3.0	3.5
30	16.9	16.0	16.5	---	---	---	---	---	---	4.7	3.7	4.2
31	16.5	15.6	16.1	---	---	---	---	---	---	4.7	4.1	4.4
MONTH	20.6	15.1	18.1	---	---	---	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	4.1	3.2	3.5	9.5	7.7	8.5	16.8	15.7	16.2	19.8	19.4	19.6
2	4.2	2.8	3.4	11.5	9.2	10.3	16.2	14.8	15.1	21.0	19.5	20.1
3	6.1	4.2	5.1	13.0	11.1	11.9	15.4	13.6	14.5	20.8	20.1	20.5
4	6.3	5.2	5.8	14.5	12.6	13.5	16.1	14.4	15.3	20.1	18.4	19.1
5	6.8	5.5	6.1	15.6	14.1	14.8	15.9	14.0	15.0	19.1	17.6	18.5
6	9.5	6.6	7.6	16.8	15.4	16.1	15.2	13.4	14.4	20.4	18.4	19.4
7	11.1	9.5	10.3	17.5	16.2	16.8	16.3	14.1	15.0	21.4	19.5	20.4
8	10.4	8.5	9.2	16.9	15.4	16.2	17.0	15.9	16.4	22.0	20.4	21.1
9	8.5	7.4	7.8	15.4	14.2	14.8	18.2	16.7	17.3	22.4	21.0	21.7
10	---	---	---	14.2	13.0	13.7	18.1	17.6	17.9	22.5	21.2	21.9
11	---	---	---	13.5	12.0	12.8	19.0	17.6	18.2	22.6	21.4	22.0
12	9.3	8.2	8.9	13.9	12.2	13.0	19.1	18.5	18.7	23.0	21.9	22.4
13	8.7	7.8	8.3	13.8	12.3	13.0	19.2	18.4	18.7	23.6	22.4	22.9
14	8.7	8.4	8.5	13.5	12.1	12.7	19.1	16.2	17.7	24.0	22.5	23.2
15	8.8	8.4	8.5	14.4	12.8	13.5	16.8	15.0	15.9	23.6	22.5	23.1
16	8.4	7.5	7.9	14.8	14.0	14.4	17.1	15.0	16.0	23.7	22.3	23.1
17	7.6	6.2	6.8	14.8	14.0	14.4	17.8	15.8	16.7	24.2	22.4	23.3
18	7.1	5.7	6.3	14.4	13.0	13.7	18.8	17.0	17.8	23.7	22.5	23.2
19	7.7	6.0	6.8	15.9	13.8	14.8	19.7	17.9	18.7	24.4	22.6	23.5
20	8.8	7.0	7.9	15.6	13.8	14.8	20.4	18.6	19.4	24.7	23.3	24.1
21	10.4	8.5	9.4	16.0	14.9	15.4	21.0	19.5	20.2	25.2	23.7	24.5
22	10.4	9.2	9.8	15.3	13.3	14.0	21.5	19.9	20.6	26.2	24.6	25.4
23	10.4	9.0	9.7	13.5	11.5	12.5	22.2	20.3	21.2	27.0	25.4	26.1
24	10.3	9.8	10.0	13.2	11.2	12.2	22.9	21.2	22.0	27.1	25.8	26.4
25	10.4	9.5	10	14.0	12.1	13.1	22.3	21.4	21.9	27.5	26.1	26.7
26	9.8	8.0	8.8	15.2	13.4	14.3	22.6	21.2	21.9	28.0	26.7	27.3
27	8.0	6.7	7.3	16.5	14.4	15.4	22.3	21.0	21.6	28.2	27.2	27.7
28	7.8	6.0	6.8	17.5	16.2	16.9	21.1	19.4	20.2	28.1	27.1	27.6
29	8.4	6.6	7.5	16.9	15.9	16.4	20.0	18.5	19.3	27.8	26.9	27.4
30	---	---	---	16.4	15.3	15.7	20.0	18.6	19.3	27.4	26.3	26.6
31	---	---	---	16.8	15.1	15.9	---	---	---	26.4	25.7	26.1
MONTH	---	---	---	17.5	7.7	14.0	22.9	13.4	18.1	28.2	17.6	23.4

02107544 BLACK RIVER NEAR CURRIE, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.0	25.7	26.3	27.2	25.9	26.3	28.9	28.0	28.5	25.6	25.0	25.3
2	27.5	26.3	26.8	26.7	25.7	26.1	28.6	28.0	28.3	25.4	24.5	25.0
3	27.6	26.6	27.0	26.8	26.0	26.2	28.3	27.4	27.8	24.9	24.1	24.4
4	27.1	26.5	26.8	27.2	25.7	26.4	28.0	27.0	27.5	24.9	24.0	24.4
5	26.6	25.8	26.3	28.9	27.0	27.6	28.9	27.6	28.1	24.9	24.2	24.5
6	26.3	25.9	26.1	29.1	28.0	28.5	28.4	27.0	27.8	24.7	24.3	24.5
7	26.7	25.7	26.2	29.5	28.5	28.9	27.0	25.7	26.3	24.4	24.1	24.3
8	26.4	26.1	26.3	29.6	28.8	29.1	25.9	24.6	25.0	25.3	24.2	24.7
9	26.4	25.9	26.1	28.8	28.1	28.3	25.6	24.2	24.9	25.8	24.8	25.3
10	27.2	25.8	26.4	28.9	27.4	28.1	26.0	24.5	25.3	25.6	25.1	25.4
11	28.3	26.6	27.4	29.2	28.1	28.6	26.2	25.0	25.6	25.2	24.2	24.7
12	28.1	27.0	27.4	28.6	27.3	27.7	26.1	25.4	25.6	24.7	23.7	24.2
13	27.0	25.6	26.0	28.8	27.3	28.0	25.5	23.5	24.2	24.2	23.5	23.8
14	25.8	24.9	25.4	29.5	28.2	28.8	23.5	23.0	23.2	23.6	23.1	23.3
15	26.5	25.2	25.8	29.8	28.7	29.3	23.0	22.4	22.6	23.8	23.0	23.3
16	26.8	25.8	26.3	29.6	28.5	29.0	22.8	22.3	22.5	23.9	23.3	23.6
17	26.7	26.1	26.4	29.0	27.4	28.1	23.1	22.1	22.6	24.6	23.7	24.1
18	28.1	26.2	26.9	27.4	26.2	26.7	23.4	22.6	23.0	24.4	23.0	23.8
19	29.2	27.5	28.2	27.5	26.0	26.5	24.6	23.1	23.8	23.0	21.8	22.4
20	28.8	27.9	28.3	28.3	26.5	27.2	25.3	24.2	24.7	21.8	20.6	21.1
21	27.9	26.8	27.3	28.8	27.1	27.7	25.9	24.8	25.3	21.2	20.0	20.7
22	27.4	26.6	27.0	29.0	27.5	28.2	25.6	25.2	25.4	21.4	20.0	20.7
23	28.6	27.1	27.7	29.1	28.0	28.4	25.7	24.8	25.2	21.7	20.3	21.0
24	28.4	27.5	27.9	28.5	27.5	27.9	25.6	24.6	25.1	21.9	20.8	21.4
25	28.6	27.1	27.8	28.0	27.1	27.4	25.3	24.4	24.9	22.4	21.2	21.8
26	28.1	27.2	27.6	28.6	27.1	27.7	25.0	24.6	24.8	22.0	21.2	21.6
27	27.2	26.1	26.6	28.9	27.8	28.3	25.1	24.5	24.8	22.7	21.5	22.1
28	26.8	26.0	26.4	29.0	28.2	28.6	25.5	24.5	24.9	23.1	22.7	22.9
29	27.2	25.9	26.6	28.8	27.9	28.3	25.3	24.8	25.0	23.6	22.6	23.1
30	27.2	25.4	26.7	28.5	27.5	28.1	25.5	24.6	25.1	23.5	22.7	23.2
31	---	---	---	28.9	27.6	28.3	25.9	25.1	25.5	---	---	---
MONTH	29.2	24.9	26.8	29.8	25.7	27.9	28.9	22.1	25.3	25.8	20.0	23.4

02107544 BLACK RIVER NEAR CURRIE, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.6	23.0	23.3	20.2	19.0	19.6	12.6	11.6	12.1	---	---	---
2	24.0	23.1	23.5	20.6	19.6	20.1	12.2	10.9	11.3	---	---	---
3	24.2	23.3	23.8	20.8	20.1	20.4	---	---	---	---	---	---
4	23.9	23.0	23.4	20.7	20.2	20.5	---	---	---	---	---	---
5	23.3	22.2	22.7	20.4	18.8	19.8	---	---	---	---	---	---
6	22.5	21.2	21.6	18.8	16.9	17.9	---	---	---	---	---	---
7	21.3	19.8	20.3	16.9	16.1	16.3	---	---	---	---	---	---
8	20.1	18.9	19.5	16.2	15.5	15.8	---	---	---	---	---	---
9	20.2	19.2	19.7	15.7	14.6	15.0	---	---	---	---	---	---
10	20.8	19.6	20.2	14.6	13.1	13.6	---	---	---	---	---	---
11	20.7	19.8	20.3	13.4	12.2	12.7	---	---	---	---	---	---
12	20.2	18.8	19.4	13.9	12.8	13.3	---	---	---	---	---	---
13	20.2	19.0	19.5	14.1	13.6	14.0	---	---	---	---	---	---
14	20.5	19.9	20.2	13.6	11.8	12.7	---	---	---	---	---	---
15	20.3	19.3	19.9	11.8	10.3	11.0	---	---	---	---	---	---
16	19.3	17.8	18.4	10.3	9.5	9.9	---	---	---	---	---	---
17	18.0	17.1	17.6	10.1	9.2	9.7	---	---	---	---	---	---
18	18.3	17.2	17.7	10.6	9.6	10.0	---	---	---	---	---	---
19	19.8	18.2	18.9	11.5	10.5	11.0	---	---	---	---	---	---
20	20.7	19.8	20.2	12.5	11.3	11.8	---	---	---	---	---	---
21	20.6	19.9	20.2	13.7	12.5	13.0	---	---	---	---	---	---
22	19.9	19.1	19.3	14.3	13.6	13.9	---	---	---	---	---	---
23	19.1	18.0	18.3	15.0	14.3	14.6	---	---	---	---	---	---
24	18.0	16.8	17.2	16.0	14.9	15.4	---	---	---	---	---	---
25	16.9	16.6	16.8	16.9	15.8	16.3	---	---	---	---	---	---
26	17.2	16.3	16.7	15.8	12.8	14.0	---	---	---	---	---	---
27	16.7	16.0	16.4	12.8	11.4	12.0	---	---	---	---	---	---
28	17.1	16.4	16.6	13.2	12.4	12.8	---	---	---	---	---	---
29	17.0	16.8	16.9	13.0	11.8	12.3	---	---	---	---	---	---
30	17.8	16.7	17.1	11.8	10.6	11.2	---	---	---	---	---	---
31	19.4	17.7	18.4	---	---	---	---	---	---	---	---	---
MONTH	24.2	16.0	19.5	20.8	9.2	14.4	---	---	---	---	---	---

02107544 BLACK RIVER NEAR CURRIE, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	3.6	3.2	3.3
10	---	---	---	---	---	---	---	---	---	3.6	3.2	3.4
11	---	---	---	---	---	---	---	---	---	3.8	3.3	3.5
12	---	---	---	---	---	---	---	---	---	3.9	3.4	3.6
13	---	---	---	---	---	---	---	---	---	4.1	3.4	3.8
14	---	---	---	---	---	---	---	---	---	4.5	3.9	4.2
15	---	---	---	---	---	---	---	---	---	4.6	4.1	4.4
16	---	---	---	---	---	---	---	---	---	4.4	4.1	4.3
17	---	---	---	---	---	---	---	---	---	4.9	4.3	4.5
18	---	---	---	---	---	---	---	---	---	6.1	4.7	5.5
19	---	---	---	---	---	---	---	---	---	6.0	4.3	4.9
20	---	---	---	---	---	---	---	---	---	4.5	4.1	4.4
21	---	---	---	---	---	---	---	---	---	4.4	3.8	4.1
22	---	---	---	---	---	---	---	---	---	4.0	3.3	3.7
23	---	---	---	---	---	---	---	---	---	3.6	2.7	3.1
24	---	---	---	---	---	---	---	---	---	3.1	2.6	2.8
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	3.6	3.2	3.3
27	---	---	---	---	---	---	---	---	---	3.6	3.1	3.3
28	---	---	---	---	---	---	---	---	---	3.2	2.4	2.9
29	---	---	---	---	---	---	---	---	---	3.0	2.5	2.6
30	---	---	---	---	---	---	---	---	---	3.8	2.7	3.2
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02107544 BLACK RIVER NEAR CURRIE, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	4.5	3.5	4.0	5.5	5.2	5.4	---	---	---	---	---	---
2	5.2	4.1	4.6	5.5	5.3	5.4	---	---	---	---	---	---
3	5.8	4.9	5.3	---	---	---	---	---	---	---	---	---
4	5.9	5.6	5.8	---	---	---	---	---	---	---	---	---
5	6.0	5.6	5.8	---	---	---	---	---	---	---	---	---
6	6.1	5.7	5.9	---	---	---	---	---	---	8.4	7.8	8.1
7	6.1	5.5	5.8	---	---	---	---	---	---	9.1	8.2	8.6
8	6.1	5.6	5.9	---	---	---	---	---	---	9.8	9.1	9.4
9	5.9	4.9	5.4	---	---	---	---	---	---	9.9	9.6	9.8
10	5.1	4.8	4.9	---	---	---	---	---	---	10.4	9.7	10
11	5.0	4.8	4.9	---	---	---	---	---	---	11.1	10.2	10.7
12	4.9	4.5	4.7	---	---	---	---	---	---	11.4	11.0	11.2
13	4.8	4.4	4.6	---	---	---	---	---	---	11.4	11.1	11.3
14	4.8	4.5	4.6	---	---	---	---	---	---	11.3	10.9	11.1
15	4.7	4.2	4.5	---	---	---	---	---	---	11.2	10.7	11.0
16	5.4	4.7	5.0	---	---	---	---	---	---	11.1	10.6	10.8
17	5.7	5.3	5.5	---	---	---	---	---	---	11.3	10.9	11.1
18	6.1	5.7	6.0	---	---	---	---	---	---	11.2	10.5	10.9
19	6.1	5.8	6.0	---	---	---	---	---	---	---	---	---
20	6.2	6.0	6.1	---	---	---	---	---	---	---	---	---
21	6.3	6.1	6.2	---	---	---	---	---	---	---	---	---
22	6.2	5.7	5.9	---	---	---	---	---	---	---	---	---
23	6.0	5.7	5.9	---	---	---	---	---	---	---	---	---
24	6.0	5.8	6.0	---	---	---	---	---	---	---	---	---
25	6.2	5.9	6.1	---	---	---	---	---	---	---	---	---
26	6.2	5.7	6.0	---	---	---	---	---	---	---	---	---
27	6.0	5.4	5.8	---	---	---	---	---	---	---	---	---
28	5.6	5.1	5.3	---	---	---	---	---	---	---	---	---
29	6.2	5.3	6.0	---	---	---	---	---	---	---	---	---
30	5.3	5.0	5.1	---	---	---	---	---	---	---	---	---
31	5.4	5.0	5.2	---	---	---	---	---	---	---	---	---
MONTH	6.3	3.5	5.4	---	---	---	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	9.9	9.3	9.6	7.1	6.5	6.8	6.3	5.6	5.9
2	---	---	---	9.4	8.8	9.2	7.1	6.6	6.9	5.7	5.1	5.3
3	---	---	---	9.0	8.3	8.7	7.3	6.8	7.0	5.5	5.0	5.2
4	---	---	---	8.5	7.8	8.2	7.3	6.9	7.1	5.3	4.8	5.1
5	11.2	10.3	10.6	8.0	7.2	7.7	7.6	6.9	7.2	5.5	5.2	5.3
6	10.6	9.6	10.1	7.4	6.6	7.1	7.7	7.2	7.4	5.5	5.2	5.3
7	9.7	8.7	9.0	7.2	6.4	6.7	7.8	7.2	7.5	5.5	5.1	5.2
8	9.3	8.6	8.9	7.1	6.1	6.5	7.6	6.9	7.2	5.4	5.1	5.2
9	9.6	9.2	9.3	7.1	6.0	6.5	7.1	6.6	6.9	5.3	5.0	5.2
10	---	---	---	7.4	6.5	6.9	7.0	6.5	6.8	5.4	5.1	5.2
11	---	---	---	8.1	6.9	7.4	6.6	6.0	6.2	5.3	5.0	5.2
12	9.4	9.0	9.2	8.2	7.3	7.6	6.1	5.8	6.0	5.2	5.0	5.1
13	9.3	8.8	9.1	8.3	7.3	7.7	5.8	5.5	5.6	5.1	4.8	5.0
14	9.3	8.9	9.1	8.4	7.6	7.9	6.0	5.1	5.5	5.0	4.8	4.9
15	9.1	8.7	8.9	8.1	7.4	7.8	6.8	5.9	6.3	5.1	4.7	4.9
16	9.4	8.8	9.0	7.6	6.9	7.2	6.8	6.5	6.6	5.3	4.8	5.1
17	9.6	9.2	9.4	7.5	6.5	6.9	6.6	6.3	6.5	5.5	5.0	5.3
18	9.9	9.5	9.7	7.9	6.9	7.3	6.5	6.1	6.3	5.5	5.2	5.4
19	9.9	9.5	9.7	7.7	6.9	7.3	6.3	5.9	6.1	5.5	5.2	5.4
20	9.7	9.2	9.5	7.7	6.8	7.3	6.1	5.6	5.9	---	---	---
21	9.3	8.8	9.1	7.6	6.6	7.0	5.8	5.4	5.6	---	---	---
22	9.1	8.6	8.8	7.9	6.7	7.2	5.6	5.2	5.4	---	---	---
23	9.2	8.6	8.9	8.4	7.6	7.9	5.3	5.0	5.1	---	---	---
24	8.9	8.4	8.7	8.7	8.1	8.4	5.0	4.7	4.9	---	---	---
25	9.0	8.3	8.6	8.7	8.2	8.4	5.0	4.7	4.8	---	---	---
26	9.2	8.5	8.8	8.5	8.0	8.2	5.0	4.7	4.8	---	---	---
27	9.7	9.0	9.4	8.1	7.6	7.9	5.1	4.8	4.9	---	---	---
28	10.1	9.5	9.8	7.8	7.2	7.5	5.5	5.0	5.2	---	---	---
29	10.1	9.7	9.8	7.4	7.1	7.3	5.9	5.3	5.6	---	---	---
30	---	---	---	7.4	7.2	7.3	6.0	5.7	5.8	---	---	---
31	---	---	---	7.4	7.0	7.2	---	---	---	---	---	---
MONTH	---	---	---	9.9	6.0	7.6	7.8	4.7	6.1	---	---	---

02107544 BLACK RIVER NEAR CURRIE, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	5.6	4.4	4.9	5.0	4.4	4.6	4.6	3.7	4.0
2	---	---	---	5.4	4.3	4.8	4.8	4.3	4.5	4.2	3.7	3.8
3	---	---	---	4.7	4.2	4.4	4.9	4.2	4.4	3.9	3.7	3.8
4	4.7	4.2	4.5	---	---	---	4.4	4.0	4.3	4.0	3.8	3.9
5	4.7	4.3	4.5	---	---	---	4.4	3.8	4.1	4.0	3.8	3.9
6	4.9	4.4	4.6	---	---	---	4.6	4.0	4.3	4.1	3.8	3.9
7	4.7	4.2	4.5	---	---	---	5.0	4.4	4.7	4.1	3.8	3.9
8	5.0	4.4	4.7	---	---	---	5.3	4.9	5.1	4.2	3.8	4.0
9	4.8	4.5	4.6	---	---	---	5.6	5.2	5.3	3.9	3.3	3.6
10	4.8	4.5	4.7	---	---	---	5.6	5.2	5.4	3.5	3.2	3.4
11	4.8	4.6	4.7	---	---	---	5.6	5.2	5.4	3.6	3.4	3.5
12	5.3	4.6	5.1	---	---	---	5.7	5.2	5.5	3.6	3.4	3.5
13	5.1	4.8	4.9	---	---	---	6.5	5.4	5.9	3.6	3.4	3.5
14	5.4	4.9	5.2	---	---	---	5.7	5.2	5.4	3.7	3.5	3.6
15	5.6	5.2	5.4	---	---	---	5.6	5.1	5.3	3.8	3.5	3.6
16	5.6	5.0	5.3	4.3	3.8	4.1	5.3	4.9	5.1	3.7	3.4	3.6
17	5.5	4.9	5.2	4.9	4.0	4.4	5.0	4.7	4.9	3.7	3.4	3.5
18	5.2	4.7	5.0	4.8	4.3	4.5	4.9	4.6	4.7	3.6	3.3	3.4
19	5.1	4.5	4.9	4.5	4.2	4.3	4.8	4.4	4.6	4.1	3.5	3.8
20	4.9	4.4	4.7	4.6	4.2	4.4	4.6	4.3	4.4	4.5	3.9	4.3
21	5.0	4.4	4.8	4.7	4.2	4.5	4.4	4.1	4.3	4.8	4.3	4.5
22	5.2	4.7	4.9	4.6	4.3	4.4	4.2	4.1	4.1	4.8	4.4	4.6
23	5.1	4.5	4.8	4.9	4.3	4.6	4.3	4.1	4.2	4.8	4.5	4.7
24	5.2	4.6	4.9	4.8	4.5	4.7	4.2	4.1	4.2	4.8	4.5	4.6
25	5.0	4.5	4.8	4.7	4.3	4.5	4.3	4.1	4.2	4.8	4.4	4.6
26	5.0	4.5	4.8	4.8	4.4	4.6	4.5	4.1	4.3	4.7	4.3	4.5
27	5.0	4.5	4.8	4.8	4.4	4.5	4.4	4.1	4.2	4.7	4.2	4.5
28	5.1	4.6	4.9	4.8	4.4	4.5	4.3	4.0	4.1	4.6	3.7	4.2
29	5.1	4.6	4.8	5.1	4.4	4.9	4.2	4.0	4.2	4.0	3.6	3.8
30	5.1	4.6	4.8	4.8	4.6	4.7	4.2	3.8	4.0	4.3	3.8	4.0
31	---	---	---	4.8	4.5	4.6	4.0	3.7	3.9	---	---	---
MONTH	---	---	---	---	---	---	6.5	3.7	4.6	4.8	3.2	4.0

02107544 BLACK RIVER NEAR CURRIE, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	4.2	3.6	3.9	5.5	4.8	5.1	7.6	7.2	7.4	---	---	---
2	3.9	3.5	3.7	5.4	4.8	5.0	7.8	7.2	7.5	---	---	---
3	4.1	3.5	3.7	5.0	4.5	4.7	---	---	---	---	---	---
4	4.0	3.6	3.8	4.9	4.5	4.6	---	---	---	---	---	---
5	4.4	3.7	4.0	5.0	4.4	4.7	---	---	---	---	---	---
6	4.9	4.0	4.4	5.4	4.6	4.9	---	---	---	---	---	---
7	4.9	4.5	4.7	5.8	5.1	5.4	---	---	---	---	---	---
8	5.0	4.6	4.9	6.1	5.6	5.8	---	---	---	---	---	---
9	5.0	4.8	4.9	6.4	5.9	6.1	---	---	---	---	---	---
10	5.0	4.7	4.8	6.6	6.1	6.4	---	---	---	---	---	---
11	4.8	4.6	4.8	6.9	6.3	6.6	---	---	---	---	---	---
12	5.0	4.8	4.9	7.0	6.5	6.7	---	---	---	---	---	---
13	5.0	4.5	4.8	7.0	6.1	6.6	---	---	---	---	---	---
14	4.6	4.1	4.3	7.0	6.1	6.5	---	---	---	---	---	---
15	4.7	4.1	4.4	7.6	6.6	7.2	---	---	---	---	---	---
16	4.7	4.3	4.4	8.0	7.3	7.7	---	---	---	---	---	---
17	5.3	4.6	4.9	8.0	7.6	7.8	---	---	---	---	---	---
18	5.6	5.2	5.4	8.0	7.6	7.8	---	---	---	---	---	---
19	5.5	5.0	5.4	8.0	7.5	7.7	---	---	---	---	---	---
20	5.4	4.9	5.2	8.0	7.4	7.6	---	---	---	---	---	---
21	5.2	4.9	5.0	7.7	7.1	7.3	---	---	---	---	---	---
22	5.3	4.9	5.1	7.4	6.7	7.0	---	---	---	---	---	---
23	5.5	5.0	5.2	7.4	6.6	7.0	---	---	---	---	---	---
24	5.5	5.1	5.3	6.8	5.7	6.2	---	---	---	---	---	---
25	5.3	4.9	5.1	6.1	5.3	5.6	---	---	---	---	---	---
26	5.3	4.8	5.1	6.5	5.4	5.9	---	---	---	---	---	---
27	5.6	5.1	5.3	7.2	6.5	6.8	---	---	---	---	---	---
28	5.7	5.2	5.4	7.3	6.7	7.1	---	---	---	---	---	---
29	5.8	5.2	5.5	7.0	6.6	6.8	---	---	---	---	---	---
30	5.8	5.3	5.5	7.6	7.0	7.3	---	---	---	---	---	---
31	5.5	5.0	5.3	---	---	---	---	---	---	---	---	---
MONTH	5.8	3.5	4.8	8.0	4.4	6.4	---	---	---	---	---	---

02107544 BLACK RIVER NEAR CURRIE, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	43	38	39
10	---	---	---	---	---	---	---	---	---	43	38	40
11	---	---	---	---	---	---	---	---	---	44	38	41
12	---	---	---	---	---	---	---	---	---	45	39	42
13	---	---	---	---	---	---	---	---	---	47	39	43
14	---	---	---	---	---	---	---	---	---	52	45	48
15	---	---	---	---	---	---	---	---	---	53	48	51
16	---	---	---	---	---	---	---	---	---	53	48	50
17	---	---	---	---	---	---	---	---	---	58	51	54
18	---	---	---	---	---	---	---	---	---	69	55	63
19	---	---	---	---	---	---	---	---	---	68	49	55
20	---	---	---	---	---	---	---	---	---	52	48	50
21	---	---	---	---	---	---	---	---	---	51	45	48
22	---	---	---	---	---	---	---	---	---	47	39	43
23	---	---	---	---	---	---	---	---	---	43	32	36
24	---	---	---	---	---	---	---	---	---	37	30	33
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	42	37	39
27	---	---	---	---	---	---	---	---	---	42	36	38
28	---	---	---	---	---	---	---	---	---	37	28	33
29	---	---	---	---	---	---	---	---	---	35	29	30
30	---	---	---	---	---	---	---	---	---	42	31	36
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02107544 BLACK RIVER NEAR CURRIE, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	49	39	43	56	53	54	---	---	---	---	---	---
2	57	45	51	57	54	55	---	---	---	---	---	---
3	62	52	57	---	---	---	---	---	---	---	---	---
4	63	59	61	---	---	---	---	---	---	---	---	---
5	64	59	62	---	---	---	---	---	---	---	---	---
6	65	61	64	---	---	---	---	---	---	79	73	75
7	66	60	63	---	---	---	---	---	---	77	73	75
8	66	61	64	---	---	---	---	---	---	81	75	78
9	64	54	59	---	---	---	---	---	---	81	78	80
10	56	53	54	---	---	---	---	---	---	82	78	80
11	55	53	54	---	---	---	---	---	---	84	80	82
12	53	49	52	---	---	---	---	---	---	88	83	85
13	53	48	51	---	---	---	---	---	---	89	86	88
14	53	50	51	---	---	---	---	---	---	89	86	88
15	52	46	49	---	---	---	---	---	---	89	86	87
16	57	51	54	---	---	---	---	---	---	88	84	86
17	60	56	58	---	---	---	---	---	---	88	85	86
18	64	60	63	---	---	---	---	---	---	89	86	88
19	63	60	62	---	---	---	---	---	---	---	---	---
20	64	61	63	---	---	---	---	---	---	---	---	---
21	66	63	65	---	---	---	---	---	---	---	---	---
22	65	60	62	---	---	---	---	---	---	---	---	---
23	62	60	61	---	---	---	---	---	---	---	---	---
24	61	59	60	---	---	---	---	---	---	---	---	---
25	63	59	61	---	---	---	---	---	---	---	---	---
26	63	59	61	---	---	---	---	---	---	---	---	---
27	62	57	60	---	---	---	---	---	---	---	---	---
28	60	54	56	---	---	---	---	---	---	---	---	---
29	65	55	63	---	---	---	---	---	---	---	---	---
30	55	51	53	---	---	---	---	---	---	---	---	---
31	55	51	53	---	---	---	---	---	---	---	---	---
MONTH	66	39	58	---	---	---	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	86	80	83	73	66	70	69	61	65
2	---	---	---	86	79	82	72	66	68	62	57	59
3	---	---	---	85	78	81	73	66	69	62	55	58
4	---	---	---	83	76	79	74	68	71	58	51	55
5	90	82	86	80	72	76	76	67	72	60	55	57
6	87	83	85	76	68	72	76	70	73	59	56	58
7	85	78	80	75	65	69	78	71	74	60	56	58
8	80	74	77	73	61	67	78	71	74	60	57	59
9	81	77	79	71	59	64	74	69	71	61	57	59
10	---	---	---	72	62	67	74	69	72	61	58	60
11	---	---	---	78	65	70	70	64	66	61	58	59
12	82	77	79	80	68	72	66	62	64	61	57	59
13	80	74	77	80	68	73	62	59	61	59	56	58
14	80	76	78	81	71	75	62	54	58	60	56	58
15	78	75	76	79	71	75	70	60	64	60	55	58
16	80	74	76	74	68	71	71	65	67	63	56	60
17	79	76	77	74	63	68	70	65	67	66	58	62
18	82	76	79	78	66	71	70	64	66	65	60	64
19	83	77	80	78	67	72	69	62	65	65	60	63
20	83	77	80	78	66	72	68	60	64	---	---	---
21	82	76	79	76	65	71	65	59	62	---	---	---
22	82	75	78	76	64	70	64	57	60	---	---	---
23	82	75	78	80	70	75	61	55	58	---	---	---
24	79	75	77	83	74	79	58	53	56	---	---	---
25	80	73	76	83	77	80	58	53	55	---	---	---
26	79	74	76	83	78	80	58	53	55	---	---	---
27	81	76	78	81	77	79	58	54	56	---	---	---
28	85	77	80	80	75	77	61	55	57	---	---	---
29	86	79	82	77	73	75	65	58	61	---	---	---
30	---	---	---	76	72	74	66	61	63	---	---	---
31	---	---	---	74	72	73	---	---	---	---	---	---
MONTH	---	---	---	86	59	74	78	53	65	---	---	---

02107544 BLACK RIVER NEAR CURRIE, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	70	54	60	65	56	59	56	45	49
2	---	---	---	67	54	59	62	55	58	51	45	47
3	---	---	---	58	52	55	63	54	56	47	44	46
4	59	53	56	---	---	---	56	51	54	48	45	47
5	58	54	56	---	---	---	56	49	53	48	45	47
6	61	54	57	---	---	---	59	51	55	49	46	47
7	59	52	56	---	---	---	62	54	59	49	45	47
8	62	55	58	---	---	---	64	60	62	51	46	48
9	59	56	57	---	---	---	68	63	65	47	40	44
10	61	55	58	---	---	---	69	64	66	43	39	42
11	62	58	59	---	---	---	69	64	67	44	41	42
12	67	59	64	---	---	---	70	64	67	43	40	42
13	63	59	61	---	---	---	78	64	71	43	40	42
14	67	60	64	---	---	---	67	61	64	44	41	42
15	70	64	66	---	---	---	65	59	62	45	41	43
16	69	63	66	57	50	53	61	57	59	44	40	42
17	69	61	65	62	52	56	58	55	56	45	41	42
18	66	60	63	60	54	57	57	54	55	42	39	40
19	65	59	63	57	52	54	56	53	54	48	41	44
20	64	57	61	59	53	56	55	52	54	51	44	49
21	64	56	61	61	54	57	53	50	52	54	48	51
22	65	59	62	60	55	57	52	50	50	54	49	52
23	65	58	62	63	55	59	53	50	51	55	50	53
24	67	59	63	62	57	60	52	49	51	55	51	53
25	64	58	62	60	55	57	52	49	51	55	51	53
26	64	57	61	62	56	58	55	50	52	54	49	51
27	63	56	60	63	56	59	53	50	51	54	49	51
28	64	58	61	63	57	59	52	49	50	53	43	49
29	62	58	60	66	57	63	51	48	51	47	42	45
30	64	58	60	62	59	61	51	46	49	51	44	47
31	---	---	---	63	58	60	49	46	47	---	---	---
MONTH	---	---	---	---	---	---	78	46	56	56	39	47

02107544 BLACK RIVER NEAR CURRIE, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	49	42	46	60	53	56	71	67	69	---	---	---
2	46	42	44	59	53	56	71	67	69	---	---	---
3	49	41	44	56	50	53	---	---	---	---	---	---
4	47	42	45	55	50	51	---	---	---	---	---	---
5	51	43	47	55	48	52	---	---	---	---	---	---
6	56	46	51	56	49	52	---	---	---	---	---	---
7	54	49	52	59	52	55	---	---	---	---	---	---
8	55	50	53	62	56	59	---	---	---	---	---	---
9	55	52	54	64	59	61	---	---	---	---	---	---
10	55	51	53	64	59	62	---	---	---	---	---	---
11	54	51	53	65	60	63	---	---	---	---	---	---
12	55	52	53	68	62	64	---	---	---	---	---	---
13	55	50	52	68	59	64	---	---	---	---	---	---
14	51	45	48	65	59	61	---	---	---	---	---	---
15	52	45	48	69	61	65	---	---	---	---	---	---
16	50	45	48	71	65	68	---	---	---	---	---	---
17	56	49	51	71	67	68	---	---	---	---	---	---
18	59	55	57	72	67	70	---	---	---	---	---	---
19	60	54	58	74	68	70	---	---	---	---	---	---
20	59	55	57	74	68	70	---	---	---	---	---	---
21	58	54	56	72	67	69	---	---	---	---	---	---
22	58	53	55	71	66	68	---	---	---	---	---	---
23	59	54	56	73	66	69	---	---	---	---	---	---
24	57	54	55	68	58	62	---	---	---	---	---	---
25	55	50	53	62	54	57	---	---	---	---	---	---
26	55	49	52	62	54	57	---	---	---	---	---	---
27	57	52	55	68	61	63	---	---	---	---	---	---
28	59	53	56	69	64	67	---	---	---	---	---	---
29	60	54	57	66	62	64	---	---	---	---	---	---
30	60	55	57	70	64	67	---	---	---	---	---	---
31	59	54	56	---	---	---	---	---	---	---	---	---
MONTH	60	41	52	74	48	62	---	---	---	---	---	---

02107576 CAPE FEAR RIVER AT NAVASSA, NC

LOCATION.--Lat 34°15'36", long 77°59'15", Brunswick County, Hydrologic Unit 03030005, at Seaboard Air Line Railroad bridge, .75 mi northeast of Navassa.

DRAINAGE AREA.--7,060 mi^2.

PERIOD OF RECORD.--Water years 1960 to 1967, 2003 to December 2004 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1959 to September 1967, November 2003 to November 2004.
SALINITY: October 1959 to September 1967, November 2003 to November 2004.
pH: September 2003 to November 2004.
WATER TEMPERATURE: October 1959 to September 1967, September 2003 to November 2004.
DISSOLVED OXYGEN: November 2003 to November 2004.
DISSOLVED OXYGEN, PERCENT SATURATION: November 2003 to November 2004.

INSTRUMENTATION.--Water-quality monitor from September 2003 to December 2004.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources. Salinity and dissolved oxygen, percent saturation are computed. The salinity is computed from specific conductance using the conversion from U.S. Geological Survey Water Supply Paper 2311. The dissolved oxygen, percent saturation is computed using a barometric pressure of 760 mm of Hg. A top and bottom sample was collected daily at high tide for specific conductance during the period 1959 to 1967.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	26,000, October 24, 1963 (daily, bottom)	40, February 22, 26, 1960 (daily)
SALINITY, ppt	15.9, October 24, 1963 (daily, bottom)	0.02, February 22, 26, 1960 (daily)
pH, standard units	7.7, November 27, 28, 2003	6.0, September 18, 19, 2004
WATER TEMPERATURE, °C	31.1, July 11, August 21, 25, 1966 (top)	1.1, December 6, 1965 (bottom)
DISSOLVED OXYGEN, mg/L	12.2, January 31, February 1, 2004	2.8, July 26, 27, 2004
DISSOLVED OXYGEN, PERCENT SATURATION,%	97, January 25, 2004	37, July 26, 27, 2004

EXTREMES FOR CURRENT PERIOD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	21,300, November 11, 2004	74, September 4, 2004
SALINITY, ppt	12.8, November 11, 2004	0.03, on many days during the period
pH, standard units	7.7, November 27, 28, 2003	6.0, September 18, 19, 2004
WATER TEMPERATURE, °C	30.7, July 21, 2004	4.5, February 2, 2004
DISSOLVED OXYGEN, mg/L	12.2, January 31, February 1, 2004	2.8, July 26, 27, 2004
DISSOLVED OXYGEN, PERCENT SATURATION,%	97, January 25, 2004	37, July 26, 27, 2004

02107576 CAPE FEAR RIVER AT NAVASSA, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	160	103	114	1,920	117	470	---	---	---
2	---	---	---	134	98	111	3,090	126	577	---	---	---
3	---	---	---	387	94	119	3,610	127	1,190	---	---	---
4	---	---	---	801	92	131	6,980	131	2,440	---	---	---
5	---	---	---	203	94	104	8,300	142	2,780	---	---	---
6	---	---	---	287	95	110	8,400	144	2,050	---	---	---
7	---	---	---	122	98	105	10,200	145	2,580	---	---	---
8	---	---	---	723	100	151	9,370	139	2,690	---	---	---
9	---	---	---	1,390	107	208	9,970	140	2,240	7,630	129	1,370
10	---	---	---	4,850	108	633	11,100	136	2,970	6,620	121	1,310
11	---	---	---	5,400	110	660	7,080	132	870	7,790	119	2,360
12	---	---	---	4,990	114	462	1,440	118	225	8,270	128	1,840
13	---	---	---	1,280	114	204	138	107	123	5,320	128	1,240
14	---	---	---	4,720	117	551	168	100	115	4,990	125	1,420
15	---	---	---	4,310	121	753	110	88	100	7,560	126	1,520
16	---	---	---	6,530	132	961	104	84	93	6,260	130	1,680
17	---	---	---	7,190	137	1,150	95	80	87	9,660	134	2,230
18	---	---	---	10,800	141	2,470	95	84	90	11,000	132	2,590
19	---	---	---	10,200	150	2,850	97	80	89	8,560	136	1,830
20	---	---	---	8,180	149	2,020	94	80	88	8,230	137	2,260
21	---	---	---	9,300	156	2,700	93	80	85	10,100	132	2,670
22	---	---	---	9,420	157	1,560	100	82	89	9,420	136	2,170
23	---	---	---	7,250	141	1,000	101	87	94	6,840	139	1,720
24	---	---	---	4,940	132	850	102	88	95	6,950	136	1,610
25	---	---	---	3,740	122	626	101	86	94	7,610	135	1,870
26	---	---	---	5,330	117	1,030	---	---	---	7,990	140	2,010
27	---	---	---	6,250	118	1,440	---	---	---	7,260	145	1,470
28	---	---	---	5,900	116	1,400	---	---	---	3,970	138	643
29	---	---	---	2,550	117	370	---	---	---	3,150	134	817
30	---	---	---	4,350	116	741	---	---	---	3,000	127	707
31	---	---	---	---	---	---	---	---	---	3,180	131	777
MONTH	---	---	---	10,800	92	853	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	4,380	129	936	---	---	---	---	---	---	8,790	168	3,180
2	6,530	129	1,530	---	---	---	---	---	---	7,720	148	1,760
3	10,200	133	2,370	---	---	---	---	---	---	6,070	143	1,010
4	5,580	133	1,010	---	---	---	---	---	---	1,740	131	236
5	---	---	---	---	---	---	---	---	---	1,530	117	211
6	---	---	---	---	---	---	---	---	---	484	105	133
7	---	---	---	---	---	---	---	---	---	140	94	104
8	---	---	---	---	---	---	---	---	---	127	93	100
9	---	---	---	---	---	---	---	---	---	121	91	99
10	---	---	---	---	---	---	---	---	---	110	87	95
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	2,270	111	318	---	---	---	---	---	---
13	---	---	---	1,720	106	298	---	---	---	---	---	---
14	---	---	---	1,910	105	279	---	---	---	---	---	---
15	---	---	---	3,690	109	316	1,580	129	248	---	---	---
16	---	---	---	3,690	120	432	1,250	125	289	---	---	---
17	---	---	---	3,380	120	496	141	104	118	---	---	---
18	---	---	---	2,760	125	615	114	98	104	---	---	---
19	---	---	---	1,870	120	255	156	98	105	---	---	---
20	---	---	---	2,680	116	415	157	101	113	6,830	142	1,190
21	---	---	---	372	116	132	163	106	116	6,770	144	1,480
22	---	---	---	180	116	124	158	113	123	8,400	151	2,000
23	---	---	---	301	109	131	155	114	126	8,880	159	2,160
24	---	---	---	1,110	120	204	175	124	135	8,110	167	2,150
25	---	---	---	1,660	123	229	1,170	130	190	9,160	177	1,810
26	---	---	---	2,300	131	336	1,680	132	398	7,810	183	1,890
27	---	---	---	2,670	137	448	2,530	141	649	9,120	188	2,420
28	---	---	---	11,800	144	1,080	7,700	155	1,950	11,800	179	4,030
29	---	---	---	13,200	173	3,730	9,080	171	3,160	13,000	175	4,270
30	---	---	---	14,900	960	5,580	9,290	169	3,420	15,600	202	6,420
31	---	---	---	15,300	229	7,130	---	---	---	16,300	202	6,440
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02107576 CAPE FEAR RIVER AT NAVASSA, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16,100	191	5,880	13,300	208	4,490	17,700	243	6,930	134	109	120
2	16,200	174	5,970	12,300	209	3,270	15,500	224	4,030	127	90	106
3	16,600	187	5,710	12,000	210	3,400	13,500	199	3,180	102	78	93
4	16,400	195	6,420	11,800	200	3,530	12,000	200	3,660	83	74	78
5	18,200	187	6,960	11,500	189	3,660	13,100	200	4,410	91	78	84
6	19,000	189	7,840	11,800	179	3,470	10,200	182	2,280	96	83	88
7	18,300	169	6,470	11,600	186	4,570	14,400	177	4,420	297	88	103
8	---	---	---	11,600	177	4,630	12,600	183	3,380	303	94	117
9	---	---	---	10,200	164	4,210	11,600	205	2,920	128	100	112
10	---	---	---	9,440	167	3,400	15,000	218	3,850	129	102	111
11	---	---	---	10,100	180	3,760	13,400	242	4,980	116	87	98
12	---	---	---	13,300	184	4,800	13,700	250	5,240	98	76	81
13	---	---	---	13,300	195	5,350	---	---	---	87	76	82
14	---	---	---	---	---	---	---	---	---	84	78	81
15	---	---	---	16,900	215	5,830	---	---	---	91	82	86
16	13,700	199	3,850	17,300	224	6,320	---	---	---	95	88	92
17	12,800	197	4,090	16,000	299	7,480	---	---	---	103	90	95
18	13,600	202	4,480	18,100	227	6,220	---	---	---	106	90	96
19	15,400	200	4,930	15,900	237	6,280	113	83	95	113	91	101
20	17,000	202	4,790	15,800	250	6,390	93	77	84	729	98	142
21	17,000	222	6,290	16,400	290	7,420	94	80	85	3,650	96	544
22	15,800	220	5,460	17,100	319	8,290	95	81	85	1,130	86	185
23	13,900	210	4,440	16,500	308	8,290	106	86	93	815	85	155
24	10,100	202	4,210	17,500	244	6,510	111	91	98	2,360	87	401
25	13,700	213	6,210	15,300	248	6,250	126	96	110	3,930	95	698
26	12,600	222	5,650	17,900	260	7,760	1,630	112	282	5,520	103	1,250
27	14,800	214	5,990	18,700	271	8,640	1,830	115	295	6,810	114	1,990
28	13,100	220	4,240	19,000	271	8,240	2,800	109	387	7,400	124	1,940
29	15,500	226	4,340	16,600	247	6,510	2,690	118	593	3,110	131	616
30	---	---	---	16,500	249	6,480	3,680	116	606	3,250	141	691
31	---	---	---	16,700	258	7,330	632	114	158	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	7,400	74	348

02107576 CAPE FEAR RIVER AT NAVASSA, 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
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	2,080	138	367	---	---	---	---	---	---	---	---	---
2	391	114	137	---	---	---	---	---	---	---	---	---
3	139	114	122	---	---	---	---	---	---	---	---	---
4	133	104	119	---	---	---	---	---	---	---	---	---
5	111	99	105	---	---	---	---	---	---	---	---	---
6	818	103	157	---	---	---	---	---	---	---	---	---
7	4,000	109	520	---	---	---	---	---	---	---	---	---
8	8,980	120	1,790	---	---	---	---	---	---	---	---	---
9	12,800	135	3,720	---	---	---	---	---	---	---	---	---
10	14,700	148	5,920	18,800	367	9,500	---	---	---	---	---	---
11	17,100	167	6,760	21,300	310	9,970	---	---	---	---	---	---
12	17,900	221	8,630	21,200	338	11,200	---	---	---	---	---	---
13	18,500	271	9,450	16,900	250	5,840	---	---	---	---	---	---
14	17,400	229	7,290	18,100	221	6,600	---	---	---	---	---	---
15	18,200	198	6,790	18,400	221	6,210	---	---	---	---	---	---
16	13,400	189	3,370	16,400	198	4,950	---	---	---	---	---	---
17	10,500	181	2,340	11,700	171	2,590	---	---	---	---	---	---
18	10,400	164	2,810	5,360	149	1,030	---	---	---	---	---	---
19	10,100	159	2,830	5,310	127	786	---	---	---	---	---	---
20	---	---	---	3,470	122	743	---	---	---	---	---	---
21	---	---	---	3,670	123	873	---	---	---	---	---	---
22	---	---	---	7,370	142	2,300	---	---	---	---	---	---
23	---	---	---	9,730	157	2,430	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02107576 CAPE FEAR RIVER AT NAVASSA, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	0.06	0.04	0.05	1.0	0.05	0.2	---	---	---
2	---	---	---	0.05	0.04	0.04	1.6	0.05	0.3	---	---	---
3	---	---	---	0.2	0.04	0.05	1.9	0.05	0.6	---	---	---
4	---	---	---	0.4	0.04	0.05	3.8	0.05	1.3	---	---	---
5	---	---	---	0.08	0.04	0.04	4.6	0.06	1.5	---	---	---
6	---	---	---	0.1	0.04	0.04	4.7	0.06	1.1	---	---	---
7	---	---	---	0.05	0.04	0.04	5.7	0.06	1.4	---	---	---
8	---	---	---	0.3	0.04	0.06	5.2	0.06	1.4	---	---	---
9	---	---	---	0.7	0.04	0.09	5.6	0.06	1.2	4.2	0.05	0.7
10	---	---	---	2.6	0.04	0.3	6.3	0.05	1.6	3.6	0.05	0.7
11	---	---	---	2.9	0.04	0.3	3.9	0.05	0.4	4.3	0.05	1.2
12	---	---	---	2.7	0.05	0.2	0.7	0.05	0.10	4.6	0.05	1.0
13	---	---	---	0.6	0.05	0.09	0.06	0.04	0.05	2.9	0.05	0.6
14	---	---	---	2.5	0.05	0.3	0.07	0.04	0.05	2.7	0.05	0.7
15	---	---	---	2.3	0.05	0.4	0.04	0.04	0.04	4.2	0.05	0.8
16	---	---	---	3.6	0.05	0.5	0.04	0.03	0.04	3.4	0.05	0.9
17	---	---	---	3.9	0.05	0.6	0.04	0.03	0.03	5.4	0.05	1.2
18	---	---	---	6.1	0.06	1.3	0.04	0.03	0.04	6.2	0.05	1.4
19	---	---	---	5.7	0.06	1.5	0.04	0.03	0.04	4.8	0.05	1.0
20	---	---	---	4.5	0.06	1.1	0.04	0.03	0.04	4.6	0.05	1.2
21	---	---	---	5.2	0.06	1.4	0.04	0.03	0.03	5.7	0.05	1.4
22	---	---	---	5.3	0.06	0.8	0.04	0.03	0.04	5.3	0.05	1.2
23	---	---	---	4.0	0.06	0.5	0.04	0.03	0.04	3.7	0.06	0.9
24	---	---	---	2.6	0.05	0.4	0.04	0.04	0.04	3.8	0.05	0.8
25	---	---	---	2.0	0.05	0.3	0.04	0.03	0.04	4.2	0.05	1.0
26	---	---	---	2.9	0.05	0.5	---	---	---	4.4	0.06	1.0
27	---	---	---	3.4	0.05	0.7	---	---	---	4.0	0.06	0.8
28	---	---	---	3.2	0.05	0.7	---	---	---	2.1	0.06	0.3
29	---	---	---	1.3	0.05	0.2	---	---	---	1.6	0.05	0.4
30	---	---	---	2.3	0.05	0.4	---	---	---	1.5	0.05	0.3
31	---	---	---	---	---	---	---	---	---	1.6	0.05	0.4
MONTH	---	---	---	6.1	0.04	0.4	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	2.3	0.05	0.5	---	---	---	---	---	---	4.9	0.07	1.7
2	3.6	0.05	0.8	---	---	---	---	---	---	4.3	0.06	0.9
3	5.7	0.05	1.3	---	---	---	---	---	---	3.3	0.06	0.5
4	3.0	0.05	0.5	---	---	---	---	---	---	0.9	0.05	0.1
5	---	---	---	---	---	---	---	---	---	0.8	0.05	0.09
6	---	---	---	---	---	---	---	---	---	0.2	0.04	0.05
7	---	---	---	---	---	---	---	---	---	0.06	0.04	0.04
8	---	---	---	---	---	---	---	---	---	0.05	0.04	0.04
9	---	---	---	---	---	---	---	---	---	0.05	0.04	0.04
10	---	---	---	---	---	---	---	---	---	0.04	0.03	0.04
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	1.1	0.04	0.1	---	---	---	---	---	---
13	---	---	---	0.9	0.04	0.1	---	---	---	---	---	---
14	---	---	---	1.0	0.04	0.1	---	---	---	---	---	---
15	---	---	---	1.9	0.04	0.1	0.8	0.05	0.1	---	---	---
16	---	---	---	1.9	0.05	0.2	0.6	0.05	0.1	---	---	---
17	---	---	---	1.8	0.05	0.2	0.06	0.04	0.05	---	---	---
18	---	---	---	1.4	0.05	0.3	0.05	0.04	0.04	---	---	---
19	---	---	---	0.9	0.05	0.1	0.06	0.04	0.04	---	---	---
20	---	---	---	1.4	0.05	0.2	0.06	0.04	0.05	3.7	0.06	0.6
21	---	---	---	0.2	0.05	0.05	0.07	0.04	0.05	3.7	0.06	0.8
22	---	---	---	0.07	0.05	0.05	0.06	0.05	0.05	4.7	0.06	1.1
23	---	---	---	0.1	0.04	0.05	0.06	0.05	0.05	4.9	0.06	1.1
24	---	---	---	0.5	0.05	0.09	0.07	0.05	0.05	4.5	0.07	1.1
25	---	---	---	0.8	0.05	0.1	0.6	0.05	0.08	5.1	0.07	0.9
26	---	---	---	1.2	0.05	0.2	0.8	0.05	0.2	4.3	0.07	1.0
27	---	---	---	1.4	0.05	0.2	1.3	0.06	0.3	5.1	0.08	1.3
28	---	---	---	6.7	0.06	0.6	4.2	0.06	1.0	6.7	0.07	2.2
29	---	---	---	7.6	0.07	2.0	5.1	0.07	1.7	7.5	0.07	2.3
30	---	---	---	8.6	0.5	3.1	5.2	0.07	1.8	9.1	0.08	3.6
31	---	---	---	8.9	0.09	4.0	---	---	---	9.5	0.08	3.6
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02107576 CAPE FEAR RIVER AT NAVASSA, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.4	0.08	3.3	7.6	0.08	2.5	10.4	0.1	3.9	0.05	0.04	0.05
2	9.5	0.07	3.4	7.0	0.08	1.8	9.0	0.09	2.2	0.05	0.04	0.04
3	9.7	0.07	3.2	6.8	0.09	1.8	7.8	0.08	1.7	0.04	0.03	0.04
4	9.6	0.08	3.6	6.7	0.08	1.9	6.8	0.08	2.0	0.03	0.03	0.03
5	10.7	0.07	3.9	6.5	0.08	2.0	7.5	0.08	2.4	0.04	0.03	0.03
6	11.3	0.08	4.5	6.7	0.07	1.9	5.7	0.07	1.2	0.04	0.03	0.04
7	10.8	0.07	3.7	6.6	0.07	2.5	8.3	0.07	2.4	0.1	0.04	0.04
8	---	---	---	6.6	0.07	2.6	7.2	0.07	1.8	0.1	0.04	0.05
9	---	---	---	5.7	0.07	2.3	6.6	0.08	1.6	0.05	0.04	0.04
10	---	---	---	5.3	0.07	1.8	8.7	0.09	2.1	0.05	0.04	0.04
11	---	---	---	5.7	0.07	2.0	7.7	0.1	2.7	0.05	0.03	0.04
12	---	---	---	7.6	0.07	2.6	7.9	0.1	2.9	0.04	0.03	0.03
13	---	---	---	7.6	0.08	3.0	---	---	---	0.03	0.03	0.03
14	---	---	---	---	---	---	---	---	---	0.03	0.03	0.03
15	---	---	---	9.9	0.09	3.3	---	---	---	0.04	0.03	0.03
16	7.9	0.08	2.1	10.2	0.09	3.5	---	---	---	0.04	0.04	0.04
17	7.3	0.08	2.2	9.3	0.1	4.2	---	---	---	0.04	0.04	0.04
18	7.8	0.08	2.5	10.7	0.09	3.5	---	---	---	0.04	0.04	0.04
19	9.0	0.08	2.7	9.3	0.10	3.5	0.05	0.03	0.04	0.05	0.04	0.04
20	10	0.08	2.6	9.2	0.1	3.6	0.04	0.03	0.03	0.3	0.04	0.06
21	10	0.09	3.5	9.6	0.1	4.2	0.04	0.03	0.03	1.9	0.04	0.3
22	9.2	0.09	3.0	10.0	0.1	4.7	0.04	0.03	0.03	0.5	0.03	0.08
23	8.0	0.09	2.4	9.6	0.1	4.7	0.04	0.03	0.04	0.4	0.03	0.07
24	5.7	0.08	2.3	10.3	0.1	3.6	0.04	0.04	0.04	1.2	0.03	0.2
25	7.9	0.09	3.5	8.9	0.1	3.5	0.05	0.04	0.04	2.1	0.04	0.3
26	7.2	0.09	3.1	10.5	0.1	4.4	0.8	0.04	0.1	3.0	0.04	0.6
27	8.6	0.09	3.3	11.1	0.1	4.9	0.9	0.05	0.1	3.7	0.05	1.0
28	7.5	0.09	2.3	11.3	0.1	4.7	1.4	0.04	0.2	4.1	0.05	1.0
29	9.0	0.09	2.4	9.7	0.1	3.7	1.4	0.05	0.3	1.6	0.05	0.3
30	---	---	---	9.6	0.1	3.6	1.9	0.05	0.3	1.7	0.06	0.3
31	---	---	---	9.8	0.1	4.2	0.3	0.05	0.07	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	4.1	0.03	0.2

02107576 CAPE FEAR RIVER AT NAVASSA, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
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	1.0	0.06	0.2	---	---	---	---	---	---	---	---	---
2	0.2	0.05	0.06	---	---	---	---	---	---	---	---	---
3	0.06	0.05	0.05	---	---	---	---	---	---	---	---	---
4	0.05	0.04	0.05	---	---	---	---	---	---	---	---	---
5	0.04	0.04	0.04	---	---	---	---	---	---	---	---	---
6	0.4	0.04	0.07	---	---	---	---	---	---	---	---	---
7	2.1	0.04	0.2	---	---	---	---	---	---	---	---	---
8	5.0	0.05	0.9	---	---	---	---	---	---	---	---	---
9	7.3	0.05	2.0	---	---	---	---	---	---	---	---	---
10	8.5	0.06	3.3	11.1	0.2	5.4	---	---	---	---	---	---
11	10.0	0.07	3.8	12.8	0.1	5.7	---	---	---	---	---	---
12	10.5	0.09	4.9	12.7	0.1	6.5	---	---	---	---	---	---
13	10.9	0.1	5.4	9.9	0.1	3.3	---	---	---	---	---	---
14	10.2	0.09	4.1	10.7	0.09	3.7	---	---	---	---	---	---
15	10.7	0.08	3.8	10.9	0.09	3.5	---	---	---	---	---	---
16	7.7	0.08	1.8	9.6	0.08	2.8	---	---	---	---	---	---
17	5.9	0.07	1.2	6.7	0.07	1.4	---	---	---	---	---	---
18	5.9	0.07	1.5	2.9	0.06	0.5	---	---	---	---	---	---
19	5.7	0.06	1.5	2.8	0.05	0.4	---	---	---	---	---	---
20	---	---	---	1.8	0.05	0.4	---	---	---	---	---	---
21	---	---	---	1.9	0.05	0.4	---	---	---	---	---	---
22	---	---	---	4.1	0.06	1.2	---	---	---	---	---	---
23	---	---	---	5.5	0.06	1.3	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02107576 CAPE FEAR RIVER AT NAVASSA, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

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

02107576 CAPE FEAR RIVER AT NAVASSA, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.7	6.4	6.5	6.6	6.4	6.5	6.8	6.7	6.8	---	---	---
2	6.8	6.5	6.6	6.6	6.3	6.5	6.9	6.8	6.8	---	---	---
3	7.0	6.5	6.6	6.6	6.3	6.5	7.0	6.8	6.9	---	---	---
4	6.9	6.5	6.6	6.4	6.2	6.4	7.1	6.8	7.0	---	---	---
5	6.8	6.5	6.6	6.4	6.2	6.3	7.2	6.9	7.0	---	---	---
6	6.8	6.6	6.6	6.3	6.2	6.3	7.2	6.9	7.0	---	---	---
7	6.9	6.6	6.7	6.3	6.1	6.3	7.2	7.0	7.1	---	---	---
8	6.9	6.6	6.7	6.4	6.1	6.3	7.3	7.0	7.1	---	---	---
9	6.9	6.6	6.7	6.4	6.1	6.4	7.3	6.9	7.1	6.7	6.4	6.5
10	6.9	6.7	6.7	6.6	6.2	6.4	7.3	7.0	7.1	6.7	6.4	6.6
11	6.8	6.6	6.7	6.5	6.3	6.4	7.3	7.0	7.1	6.9	6.4	6.6
12	6.8	6.6	6.7	6.5	6.4	6.4	7.1	6.9	7.0	6.8	6.5	6.6
13	6.8	6.7	6.7	6.6	6.4	6.5	7.1	6.9	7.0	6.8	6.5	6.6
14	6.8	6.6	6.7	6.6	6.4	6.5	7.2	6.9	7.0	6.7	6.5	6.6
15	6.7	6.6	6.7	6.7	6.5	6.5	7.1	6.9	7.0	6.8	6.5	6.6
16	6.8	6.6	6.7	6.6	6.5	6.6	7.1	6.8	7.0	6.7	6.4	6.6
17	6.7	6.5	6.6	6.7	6.5	6.6	7.0	6.8	6.9	6.8	6.5	6.6
18	6.7	6.6	6.6	6.8	6.5	6.6	7.1	6.8	6.9	6.9	6.5	6.6
19	6.8	6.6	6.7	6.8	6.6	6.7	7.1	6.8	6.9	6.8	6.5	6.6
20	6.8	6.6	6.7	6.8	6.6	6.7	7.1	6.8	6.9	6.9	6.5	6.7
21	7.0	6.6	6.7	6.9	6.6	6.8	7.1	6.8	6.9	7.0	6.5	6.7
22	7.0	6.7	6.8	6.9	6.6	6.7	7.1	6.9	6.9	6.9	6.5	6.7
23	7.0	6.7	6.8	6.8	6.6	6.7	7.1	6.8	6.9	6.9	6.6	6.7
24	7.1	6.7	6.8	6.8	6.5	6.7	7.0	6.8	6.9	6.9	6.6	6.7
25	7.0	6.7	6.8	6.9	6.6	6.7	7.0	6.8	6.9	6.9	6.5	6.7
26	7.0	6.6	6.8	7.0	6.6	6.8	---	---	---	7.0	6.6	6.7
27	7.1	6.7	6.8	7.7	6.7	6.8	---	---	---	6.9	6.6	6.7
28	7.1	6.7	6.8	7.7	6.7	6.8	---	---	---	6.8	6.6	6.7
29	7.0	6.7	6.8	6.9	6.7	6.7	---	---	---	6.8	6.6	6.7
30	6.8	6.6	6.7	7.0	6.7	6.8	---	---	---	6.8	6.6	6.6
31	6.7	6.3	6.6	---	---	---	---	---	---	6.8	6.6	6.6
MONTH	7.1	6.3	6.7	7.7	6.1	6.6	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	6.8	6.6	6.7	---	---	---	---	---	---	6.9	6.6	6.8
2	6.8	6.6	6.7	---	---	---	---	---	---	6.9	6.6	6.7
3	7.0	6.6	6.7	---	---	---	---	---	---	6.8	6.6	6.6
4	6.9	6.6	6.7	---	---	---	---	---	---	6.7	6.5	6.6
5	---	---	---	---	---	---	---	---	---	6.7	6.5	6.6
6	---	---	---	---	---	---	---	---	---	6.7	6.5	6.6
7	---	---	---	---	---	---	---	---	---	6.6	6.4	6.4
8	---	---	---	---	---	---	---	---	---	6.5	6.3	6.4
9	---	---	---	---	---	---	---	---	---	6.5	6.3	6.3
10	---	---	---	---	---	---	---	---	---	6.4	6.2	6.3
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	6.7	6.6	6.7	---	---	---	---	---	---
13	---	---	---	6.7	6.5	6.6	---	---	---	---	---	---
14	---	---	---	6.7	6.5	6.6	---	---	---	---	---	---
15	---	---	---	6.7	6.6	6.6	6.9	6.7	6.8	---	---	---
16	---	---	---	6.8	6.6	6.6	6.8	6.6	6.8	---	---	---
17	---	---	---	6.8	6.6	6.7	6.7	6.5	6.6	---	---	---
18	---	---	---	6.8	6.6	6.7	6.6	6.4	6.5	---	---	---
19	---	---	---	6.8	6.6	6.7	6.6	6.4	6.5	---	---	---
20	---	---	---	6.9	6.7	6.8	6.7	6.4	6.5	6.6	6.5	6.6
21	---	---	---	7.0	6.8	6.9	6.7	6.4	6.5	6.7	6.4	6.5
22	---	---	---	7.0	6.7	6.8	6.6	6.5	6.5	6.8	6.5	6.6
23	---	---	---	7.0	6.7	6.9	6.6	6.5	6.5	6.8	6.5	6.6
24	---	---	---	7.0	6.8	6.9	6.6	6.5	6.6	6.8	6.6	6.6
25	---	---	---	6.9	6.8	6.8	6.6	6.5	6.6	6.8	6.6	6.6
26	---	---	---	6.9	6.8	6.8	6.7	6.5	6.6	6.8	6.6	6.7
27	---	---	---	6.9	6.8	6.8	6.8	6.6	6.6	6.9	6.6	6.7
28	---	---	---	7.1	6.8	6.9	6.9	6.6	6.7	6.9	6.7	6.8
29	---	---	---	7.3	6.8	7.0	6.9	6.6	6.7	7.0	6.6	6.8
30	---	---	---	7.2	6.8	7.0	6.9	6.6	6.7	7.0	6.7	6.8
31	---	---	---	7.3	6.9	7.0	---	---	---	7.0	6.6	6.8
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02107576 CAPE FEAR RIVER AT NAVASSA, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.0	6.6	6.8	7.0	6.6	6.8	7.1	6.8	6.9	6.6	6.3	6.4
2	---	---	---	7.0	6.7	6.8	7.0	6.8	6.9	6.6	6.3	6.4
3	---	---	---	7.0	6.7	6.8	7.0	6.8	6.9	6.5	6.3	6.4
4	---	---	---	7.0	6.5	6.8	7.0	6.7	6.9	6.3	6.2	6.3
5	---	---	---	7.0	6.7	6.8	7.0	6.7	6.8	6.4	6.2	6.3
6	---	---	---	6.9	6.6	6.8	7.0	6.7	6.8	6.4	6.2	6.3
7	---	---	---	6.9	6.6	6.8	7.0	6.7	6.8	6.4	6.2	6.3
8	---	---	---	6.9	6.6	6.7	7.0	6.7	6.8	6.6	6.3	6.4
9	---	---	---	6.9	6.6	6.7	7.0	6.8	6.9	6.6	6.4	6.5
10	---	---	---	6.8	6.6	6.7	7.1	6.8	6.9	6.7	6.4	6.5
11	---	---	---	6.9	6.6	6.7	7.1	6.8	7.0	6.6	6.3	6.5
12	---	---	---	6.9	6.6	6.7	7.0	6.8	7.0	6.4	6.2	6.3
13	---	---	---	7.0	6.6	6.8	---	---	---	6.3	6.2	6.3
14	---	---	---	---	---	---	---	---	---	6.3	6.2	6.3
15	---	---	---	7.0	6.7	6.8	---	---	---	6.4	6.2	6.3
16	7.0	6.7	6.8	7.0	6.7	6.8	---	---	---	6.3	6.2	6.3
17	7.0	6.7	6.8	7.0	6.7	6.8	---	---	---	6.3	6.2	6.2
18	7.0	6.7	6.8	7.0	6.7	6.8	---	---	---	6.3	6.0	6.2
19	7.0	6.7	6.8	6.9	6.7	6.8	6.6	6.2	6.3	6.3	6.0	6.2
20	7.1	6.7	6.8	6.9	6.7	6.8	6.3	6.1	6.1	6.5	6.1	6.3
21	7.1	6.7	6.8	6.9	6.7	6.8	6.3	6.1	6.1	6.4	6.2	6.3
22	7.1	6.7	6.8	7.0	6.7	6.9	6.4	6.2	6.2	6.5	6.2	6.3
23	7.0	6.7	6.8	7.0	6.7	6.9	6.4	6.2	6.2	6.4	6.2	6.3
24	6.9	6.7	6.8	7.0	6.7	6.8	6.4	6.2	6.2	6.4	6.2	6.3
25	7.0	6.7	6.8	7.0	6.7	6.8	6.5	6.2	6.3	6.6	6.3	6.4
26	7.0	6.7	6.9	7.0	6.7	6.9	6.5	6.2	6.4	6.6	6.3	6.4
27	7.1	6.7	6.9	7.1	6.7	6.9	6.5	6.2	6.4	6.7	6.4	6.5
28	7.0	6.7	6.8	7.1	6.7	6.9	6.4	6.2	6.4	6.8	6.4	6.5
29	7.0	6.8	6.9	7.1	6.8	6.9	6.5	6.3	6.4	6.6	6.5	6.5
30	---	---	---	7.1	6.8	6.9	6.6	6.4	6.4	6.6	6.4	6.5
31	---	---	---	7.1	6.8	6.9	6.4	6.3	6.4	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	6.8	6.0	6.4

02107576 CAPE FEAR RIVER AT NAVASSA, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.6	6.4	6.5	---	---	---	---	---	---	---	---	---
2	6.6	6.4	6.5	---	---	---	---	---	---	---	---	---
3	6.8	6.5	6.6	---	---	---	---	---	---	---	---	---
4	6.7	6.4	6.5	---	---	---	---	---	---	---	---	---
5	6.6	6.4	6.5	---	---	---	---	---	---	---	---	---
6	6.7	6.4	6.5	---	---	---	---	---	---	---	---	---
7	6.7	6.4	6.6	---	---	---	---	---	---	---	---	---
8	6.8	6.5	6.6	---	---	---	---	---	---	---	---	---
9	6.9	6.6	6.7	---	---	---	---	---	---	---	---	---
10	7.0	6.6	6.8	7.3	6.9	7.1	---	---	---	---	---	---
11	7.0	6.6	6.8	7.4	6.9	7.1	---	---	---	---	---	---
12	7.1	6.7	6.9	7.4	6.9	7.1	---	---	---	---	---	---
13	7.1	6.7	6.9	7.2	6.9	7.1	---	---	---	---	---	---
14	7.1	6.7	6.9	7.4	6.9	7.1	---	---	---	---	---	---
15	7.2	6.8	7.0	7.4	6.9	7.1	---	---	---	---	---	---
16	7.1	6.8	6.9	7.3	6.9	7.1	---	---	---	---	---	---
17	7.0	6.8	6.9	7.2	6.9	7.0	---	---	---	---	---	---
18	7.1	6.8	6.9	7.1	6.9	6.9	---	---	---	---	---	---
19	7.2	6.8	6.9	7.0	6.8	6.9	---	---	---	---	---	---
20	---	---	---	7.0	6.7	6.8	---	---	---	---	---	---
21	---	---	---	6.9	6.7	6.8	---	---	---	---	---	---
22	---	---	---	7.0	6.7	6.9	---	---	---	---	---	---
23	---	---	---	7.1	6.9	7.0	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02107576 CAPE FEAR RIVER AT NAVASSA, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	25.0	23.9	24.5
12	---	---	---	---	---	---	---	---	---	24.6	23.6	24.1
13	---	---	---	---	---	---	---	---	---	24.0	23.5	23.8
14	---	---	---	---	---	---	---	---	---	24.8	23.4	23.8
15	---	---	---	---	---	---	---	---	---	25.3	23.4	24.1
16	---	---	---	---	---	---	---	---	---	25.1	23.8	24.3
17	---	---	---	---	---	---	---	---	---	24.4	23.6	24.0
18	---	---	---	---	---	---	---	---	---	23.8	22.8	23.3
19	---	---	---	---	---	---	---	---	---	24.1	22.9	23.4
20	---	---	---	---	---	---	---	---	---	24.9	23.1	23.7
21	---	---	---	---	---	---	---	---	---	24.8	23.4	23.9
22	---	---	---	---	---	---	---	---	---	24.6	23.8	24.1
23	---	---	---	---	---	---	---	---	---	24.1	23.9	23.9
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	24.1	23.0	23.3
27	---	---	---	---	---	---	---	---	---	24.0	22.5	23.2
28	---	---	---	---	---	---	---	---	---	24.6	23.1	23.4
29	---	---	---	---	---	---	---	---	---	23.6	22.2	22.7
30	---	---	---	---	---	---	---	---	---	22.6	21.2	21.8
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02107576 CAPE FEAR RIVER AT NAVASSA, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.0	20.3	21.3	17.8	16.7	17.3	13.6	13.0	13.3	---	---	---
2	21.9	20.3	21.0	17.6	16.5	17.1	13.0	12.3	12.8	---	---	---
3	21.5	19.7	20.6	18.0	16.9	17.3	12.6	11.5	12.1	---	---	---
4	21.5	19.9	20.6	18.2	17.3	17.7	12.0	11.0	11.5	---	---	---
5	21.4	20.1	20.7	18.5	17.7	18.0	11.7	10.7	11.1	---	---	---
6	21.5	20.5	20.9	19.4	18.1	18.6	11.2	10.3	10.6	---	---	---
7	21.3	20.7	21.0	19.5	18.9	19.1	10.8	9.8	10.1	---	---	---
8	21.2	20.7	20.9	19.5	18.8	19.2	10.4	9.4	9.8	---	---	---
9	21.0	20.6	20.8	18.9	17.6	18.4	10.3	9.1	9.5	9.5	8.7	9.1
10	21.0	20.7	20.8	18.1	17.4	17.7	10.9	9.0	9.8	8.8	7.5	8.3
11	21.0	20.6	20.7	18.2	17.1	17.4	11.0	9.3	9.6	8.1	7.1	7.5
12	21.5	20.4	20.7	18.2	16.6	17.1	9.7	9.0	9.2	7.8	6.7	7.1
13	22.1	20.4	20.9	17.3	16.4	16.8	9.1	8.7	8.8	7.6	6.7	7.1
14	21.4	20.7	21.0	16.7	15.8	16.1	8.8	8.2	8.5	7.6	6.8	7.1
15	21.1	20.4	20.7	16.3	15.3	15.8	8.5	8.1	8.3	7.5	7.0	7.2
16	20.9	20.0	20.3	16.4	15.4	15.8	8.6	7.8	8.1	7.3	6.8	7.1
17	20.6	19.5	20.2	16.4	15.5	15.8	8.3	7.9	8.1	7.3	6.7	6.9
18	20.3	19.6	19.9	16.5	15.4	15.8	8.0	7.7	7.9	7.6	6.7	7.2
19	20.3	19.2	19.7	16.6	15.4	16.0	7.7	7.2	7.4	7.9	6.8	7.2
20	20.1	19.2	19.6	16.2	15.3	15.6	7.2	6.8	7.0	7.3	6.5	6.8
21	20.3	19.2	19.6	16.0	15.1	15.5	6.8	6.4	6.5	7.2	6.4	6.6
22	20.0	19.3	19.6	15.8	15.1	15.3	6.5	6.0	6.2	7.3	6.1	6.6
23	19.6	18.5	19.1	15.8	14.9	15.2	6.5	6.1	6.3	7.1	6.2	6.5
24	19.1	18.4	18.6	15.8	14.8	15.2	7.1	6.3	6.8	7.4	6.2	6.6
25	18.5	18.1	18.3	15.5	14.7	15.0	7.3	6.9	7.1	6.6	6.0	6.3
26	19.3	18.1	18.5	15.3	14.3	14.7	---	---	---	6.4	5.6	5.9
27	19.8	18.4	18.9	15.3	14.3	14.7	---	---	---	6.0	5.4	5.6
28	19.5	18.7	19.0	15.9	14.6	15.0	---	---	---	5.6	5.1	5.3
29	19.4	18.3	18.7	14.9	14.0	14.4	---	---	---	5.5	4.9	5.1
30	18.8	17.8	18.1	14.2	13.4	13.8	---	---	---	5.2	4.8	5.0
31	18.4	17.2	17.7	---	---	---	---	---	---	5.1	4.7	4.8
MONTH	22.1	17.2	19.9	19.5	13.4	16.4	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	4.9	4.6	4.7	---	---	---	---	---	---	22.4	21.8	22.1
2	5.1	4.5	4.8	---	---	---	---	---	---	22.4	21.8	22.0
3	6.3	5.0	5.4	---	---	---	---	---	---	22.1	21.5	21.7
4	5.7	5.2	5.5	---	---	---	---	---	---	21.6	20.9	21.3
5	---	---	---	---	---	---	---	---	---	21.4	20.8	21.1
6	---	---	---	---	---	---	---	---	---	21.4	20.4	20.8
7	---	---	---	---	---	---	---	---	---	22.2	20.1	20.5
8	---	---	---	---	---	---	---	---	---	22.0	20.3	20.7
9	---	---	---	---	---	---	---	---	---	22.4	20.7	21.3
10	---	---	---	---	---	---	---	---	---	22.4	21.3	21.8
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	13.6	12.9	13.3	---	---	---	---	---	---
13	---	---	---	13.6	12.9	13.3	---	---	---	---	---	---
14	---	---	---	13.8	13.1	13.5	---	---	---	---	---	---
15	---	---	---	14.0	13.4	13.7	17.6	17.1	17.4	---	---	---
16	---	---	---	14.2	13.7	13.9	17.9	17.2	17.6	---	---	---
17	---	---	---	14.2	13.6	13.9	17.8	17.3	17.6	---	---	---
18	---	---	---	14.1	13.6	13.8	18.0	17.3	17.6	---	---	---
19	---	---	---	14.6	13.8	14.2	18.8	17.5	17.9	---	---	---
20	---	---	---	14.9	14.0	14.5	19.5	18.0	18.5	25.4	24.8	25.1
21	---	---	---	15.0	14.3	14.7	19.7	18.7	19.2	25.6	25.0	25.3
22	---	---	---	14.6	13.0	14.1	20.3	19.3	19.8	26.0	25.3	25.6
23	---	---	---	13.8	12.8	13.2	20.8	20.0	20.4	26.5	25.7	26.0
24	---	---	---	13.7	12.8	13.3	21.7	20.6	21.0	27.0	26.0	26.4
25	---	---	---	14.1	13.1	13.6	22.2	21.0	21.4	27.3	26.2	26.8
26	---	---	---	14.5	13.4	14.0	22.2	21.5	21.8	27.7	26.6	27.2
27	---	---	---	14.8	14.0	14.5	22.3	21.6	22.0	28.0	27.0	27.6
28	---	---	---	15.3	14.4	14.9	22.3	21.4	21.8	28.4	27.0	27.7
29	---	---	---	15.2	14.5	15.0	22.3	21.2	21.9	28.6	27.3	28.0
30	---	---	---	15.3	14.5	15.1	22.6	21.6	22.1	28.3	27.0	27.7
31	---	---	---	16.1	14.9	15.5	---	---	---	28.2	27.0	27.6
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02107576 CAPE FEAR RIVER AT NAVASSA, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	28.4	27.1	27.8	28.8	28.2	28.6	29.8	29.1	29.4	26.8	26.3	26.5
2	28.4	27.3	27.8	28.6	28.2	28.5	30.1	29.1	29.5	26.5	25.6	26.0
3	28.7	27.4	27.9	28.7	27.9	28.2	29.8	29.0	29.3	25.6	24.7	25.2
4	28.1	27.4	27.8	29.0	27.9	28.3	30.1	28.7	29.2	25.4	24.6	24.8
5	28.4	27.2	27.8	29.5	28.1	28.6	30.0	29.0	29.3	25.6	24.7	24.9
6	28.1	27.3	27.8	29.8	28.4	28.9	29.2	28.4	28.8	24.9	24.7	24.8
7	28.7	27.3	27.9	30.0	28.6	29.2	28.6	27.8	28.3	24.9	24.7	24.8
8	---	---	---	29.6	28.9	29.2	28.4	27.7	28.1	25.4	24.7	24.9
9	---	---	---	29.7	28.8	29.2	28.4	27.7	28.0	25.8	24.9	25.3
10	---	---	---	30.1	28.9	29.4	28.7	27.7	28.0	25.9	25.6	25.7
11	---	---	---	30.1	29.2	29.5	28.2	27.8	28.0	25.7	24.9	25.4
12	---	---	---	29.5	29.1	29.4	28.0	27.6	27.8	24.9	24.2	24.5
13	---	---	---	29.9	29.1	29.4	---	---	---	24.6	24.2	24.3
14	---	---	---	---	---	---	---	---	---	24.2	23.8	24.0
15	---	---	---	30.2	29.6	29.9	---	---	---	24.1	23.7	23.9
16	28.3	27.8	28.0	30.2	29.7	30.0	---	---	---	24.2	24.0	24.1
17	28.0	27.6	27.9	30.2	29.4	29.8	---	---	---	24.6	24.1	24.4
18	28.6	27.7	28.0	30.1	29.1	29.5	---	---	---	24.4	24.0	24.2
19	29.3	28.0	28.4	30.3	28.9	29.4	25.0	23.9	24.2	24.0	23.2	23.7
20	28.7	28.0	28.4	30.4	29.1	29.5	25.1	24.1	24.5	23.2	22.7	23.0
21	28.9	27.7	28.2	30.7	29.2	29.7	25.8	24.8	25.1	23.0	22.3	22.7
22	29.0	27.9	28.4	30.0	29.3	29.7	25.8	25.2	25.4	23.0	22.1	22.5
23	29.5	28.2	28.7	30.1	29.3	29.7	26.3	25.5	25.7	22.9	22.0	22.3
24	29.1	28.4	28.8	30.1	29.3	29.7	26.4	25.5	25.8	22.7	21.9	22.2
25	29.5	28.5	29.0	29.8	29.2	29.6	26.6	25.6	25.9	22.9	22.0	22.3
26	29.2	28.5	28.9	30.2	29.2	29.7	26.2	25.8	26.0	22.8	22.2	22.4
27	29.1	28.5	28.8	30.1	29.5	29.8	26.5	25.9	26.1	23.6	22.3	22.8
28	29.2	28.5	28.9	29.8	29.2	29.6	26.6	25.8	26.1	23.9	22.9	23.3
29	29.1	28.6	28.8	29.5	29.0	29.3	26.6	26.0	26.2	24.0	23.1	23.4
30	---	---	---	29.7	29.0	29.3	26.6	26.0	26.3	24.1	23.4	23.7
31	---	---	---	29.9	29.1	29.4	26.6	26.2	26.4	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	26.8	21.9	24.1

02107576 CAPE FEAR RIVER AT NAVASSA, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.0	23.7	23.8	---	---	---	---	---	---	---	---	---
2	24.0	23.5	23.8	---	---	---	---	---	---	---	---	---
3	24.3	23.6	23.8	---	---	---	---	---	---	---	---	---
4	23.8	23.2	23.4	---	---	---	---	---	---	---	---	---
5	23.5	22.8	23.1	---	---	---	---	---	---	---	---	---
6	23.0	22.6	22.8	---	---	---	---	---	---	---	---	---
7	22.9	22.2	22.5	---	---	---	---	---	---	---	---	---
8	23.1	21.9	22.3	---	---	---	---	---	---	---	---	---
9	23.2	21.8	22.2	---	---	---	---	---	---	---	---	---
10	23.3	21.8	22.4	18.4	17.7	18.0	---	---	---	---	---	---
11	23.2	21.8	22.3	17.9	17.3	17.6	---	---	---	---	---	---
12	23.0	21.6	22.3	17.8	17.1	17.5	---	---	---	---	---	---
13	23.1	21.6	22.4	17.6	16.5	17.0	---	---	---	---	---	---
14	22.8	21.6	22.2	16.7	15.7	16.1	---	---	---	---	---	---
15	22.6	21.3	21.9	16.0	15.1	15.4	---	---	---	---	---	---
16	21.7	20.8	21.1	15.3	14.4	14.8	---	---	---	---	---	---
17	21.4	20.4	20.7	14.7	13.8	14.2	---	---	---	---	---	---
18	21.4	20.2	20.7	14.0	12.9	13.5	---	---	---	---	---	---
19	21.7	20.3	20.9	13.6	12.6	13.0	---	---	---	---	---	---
20	---	---	---	13.6	12.6	13.0	---	---	---	---	---	---
21	---	---	---	13.7	12.7	13.0	---	---	---	---	---	---
22	---	---	---	14.1	12.9	13.4	---	---	---	---	---	---
23	---	---	---	14.4	13.3	13.8	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02107576 CAPE FEAR RIVER AT NAVASSA, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	7.2	6.0	6.7	8.2	7.9	8.0	---	---	---
2	---	---	---	7.3	6.0	6.8	8.5	8.1	8.3	---	---	---
3	---	---	---	7.3	5.9	6.9	8.7	8.1	8.4	---	---	---
4	---	---	---	6.9	5.7	6.5	8.8	8.2	8.5	---	---	---
5	---	---	---	6.6	5.4	6.2	8.8	8.2	8.5	---	---	---
6	---	---	---	6.3	5.3	6.0	8.9	8.2	8.6	---	---	---
7	---	---	---	6.0	5.1	5.8	8.9	8.2	8.6	---	---	---
8	---	---	---	6.2	5.0	5.8	8.8	8.1	8.5	---	---	---
9	---	---	---	6.5	5.4	6.2	8.7	7.8	8.4	10.3	9.6	10.0
10	---	---	---	6.8	5.7	6.3	8.5	7.6	8.1	10.6	10.0	10.3
11	---	---	---	6.5	5.9	6.3	8.2	7.6	8.1	10.8	10.1	10.5
12	---	---	---	6.8	5.9	6.5	8.2	7.6	8.1	11.0	10.2	10.7
13	---	---	---	7.6	6.4	7.0	8.1	7.7	8.0	11.1	10.4	10.9
14	---	---	---	7.4	6.6	7.2	---	---	---	11.0	10.5	10.8
15	---	---	---	7.3	6.6	7.2	---	---	---	11.1	10.4	10.8
16	---	---	---	7.3	6.6	7.1	---	---	---	11.2	10.5	10.9
17	---	---	---	7.3	6.6	7.1	---	---	---	11.5	10.4	11.0
18	---	---	---	7.5	6.4	7.1	---	---	---	11.5	10.4	11.1
19	---	---	---	7.9	6.8	7.4	---	---	---	11.6	10.4	11.3
20	---	---	---	7.9	7.2	7.7	---	---	---	11.6	10.7	11.3
21	---	---	---	7.8	7.0	7.6	---	---	---	11.5	10.6	11.2
22	---	---	---	7.8	7.0	7.6	---	---	---	11.7	10.7	11.3
23	---	---	---	8.1	7.0	7.7	---	---	---	11.8	10.8	11.5
24	---	---	---	8.5	7.3	8.0	---	---	---	11.8	11.0	11.6
25	---	---	---	9.0	7.6	8.1	---	---	---	11.9	11.1	11.6
26	---	---	---	8.4	7.6	8.1	---	---	---	12.0	11.1	11.7
27	---	---	---	8.2	7.4	7.9	---	---	---	12.0	11.3	11.8
28	---	---	---	7.9	7.4	7.8	---	---	---	11.9	11.5	11.8
29	---	---	---	8.2	7.8	8.0	---	---	---	12.0	11.5	11.8
30	---	---	---	8.2	7.8	8.0	---	---	---	12.1	11.6	11.9
31	---	---	---	---	---	---	---	---	---	12.2	11.6	12.0
MONTH	---	---	---	9.0	5.0	7.1	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	12.2	11.5	11.9	---	---	---	---	---	---	---	---	---
2	12.1	11.3	11.7	---	---	---	---	---	---	---	---	---
3	11.8	10.7	11.4	---	---	---	---	---	---	---	---	---
4	11.7	10.9	11.3	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	8.9	8.4	8.7	---	---	---	---	---	---
13	---	---	---	8.8	8.4	8.6	---	---	---	---	---	---
14	---	---	---	8.8	8.3	8.6	---	---	---	---	---	---
15	---	---	---	8.8	8.2	8.6	---	---	---	---	---	---
16	---	---	---	8.7	8.1	8.5	---	---	---	---	---	---
17	---	---	---	8.6	8.0	8.4	---	---	---	---	---	---
18	---	---	---	8.6	8.1	8.4	---	---	---	---	---	---
19	---	---	---	8.9	8.0	8.6	---	---	---	---	---	---
20	---	---	---	9.1	8.1	8.7	---	---	---	5.1	4.8	4.9
21	---	---	---	9.0	8.4	8.8	---	---	---	5.1	4.7	4.9
22	---	---	---	9.2	8.3	8.7	---	---	---	5.6	4.8	4.9
23	---	---	---	9.2	8.3	8.8	---	---	---	5.2	4.7	5.0
24	---	---	---	9.2	8.4	8.9	---	---	---	5.3	4.7	4.9
25	---	---	---	9.0	7.7	8.7	---	---	---	5.3	4.8	4.9
26	---	---	---	8.7	8.0	8.5	---	---	---	5.2	4.7	4.9
27	---	---	---	8.6	7.8	8.4	---	---	---	5.2	4.7	4.9
28	---	---	---	8.5	7.2	8.3	---	---	---	5.4	4.8	5.1
29	---	---	---	8.5	7.0	8.1	---	---	---	5.5	4.8	5.0
30	---	---	---	8.2	7.3	7.9	---	---	---	5.3	4.7	4.9
31	---	---	---	8.0	7.2	7.7	---	---	---	5.0	4.5	4.7
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02107576 CAPE FEAR RIVER AT NAVASSA, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	5.0	4.4	4.6	5.0	4.0	4.5	4.2	3.5	3.9	5.6	3.7	4.4
2	4.8	4.2	4.5	5.0	4.0	4.5	5.0	3.5	4.1	6.0	4.8	5.3
3	4.8	4.0	4.3	5.0	4.0	4.5	5.6	3.6	4.7	5.3	4.5	4.9
4	4.8	3.8	4.2	5.2	4.0	4.5	5.3	4.0	4.7	5.2	4.3	4.8
5	4.8	3.9	4.3	5.0	4.0	4.6	4.9	3.8	4.5	5.3	4.4	4.8
6	4.6	3.9	4.2	4.8	4.1	4.5	5.0	4.2	4.7	5.1	4.2	4.7
7	4.6	3.8	4.1	4.6	4.0	4.4	4.9	4.1	4.5	5.0	4.1	4.5
8	---	---	---	4.4	4.0	4.2	4.9	4.1	4.6	5.3	4.2	4.6
9	---	---	---	4.3	3.7	4.0	5.2	4.2	4.7	4.5	3.9	4.3
10	---	---	---	4.2	3.6	3.9	5.5	4.1	4.9	5.6	4.1	4.9
11	---	---	---	4.4	3.7	4.1	5.1	4.1	4.7	6.0	4.7	5.4
12	---	---	---	4.4	3.8	4.1	4.7	3.9	4.4	5.0	4.3	4.7
13	---	---	---	4.2	3.7	4.0	---	---	---	4.7	4.1	4.5
14	---	---	---	---	---	---	---	---	---	4.6	4.1	4.4
15	---	---	---	4.0	3.4	3.6	---	---	---	4.6	3.9	4.2
16	4.8	4.2	4.4	3.9	3.3	3.6	---	---	---	4.1	3.6	3.8
17	4.6	4.2	4.3	4.1	3.5	3.7	---	---	---	4.2	3.4	3.7
18	4.6	4.1	4.3	4.4	3.5	3.8	---	---	---	4.2	3.5	3.7
19	4.6	3.9	4.2	4.1	3.3	3.7	5.5	4.4	4.8	4.7	3.6	4.0
20	4.3	3.8	4.1	4.1	3.3	3.7	5.1	4.1	4.4	6.0	4.3	5.1
21	4.4	3.8	4.0	4.0	3.2	3.6	5.4	4.0	4.6	6.4	5.0	5.6
22	4.3	3.9	4.1	3.8	3.1	3.5	5.9	4.3	4.9	6.2	5.2	5.6
23	4.5	3.9	4.2	3.8	3.2	3.5	5.0	3.8	4.2	6.4	5.2	5.7
24	4.4	3.9	4.2	4.0	3.0	3.5	4.7	3.8	4.1	6.5	5.3	5.8
25	4.7	3.8	4.2	3.9	3.0	3.4	5.2	4.1	4.4	6.3	5.3	5.8
26	4.6	4.0	4.2	3.9	2.8	3.4	4.9	3.7	4.4	5.9	5.1	5.5
27	4.5	3.9	4.1	3.9	2.8	3.3	4.8	3.6	4.3	5.6	4.9	5.3
28	4.4	3.8	4.1	4.1	2.9	3.5	4.6	3.5	4.1	5.8	5.1	5.3
29	4.6	3.8	4.1	4.2	3.3	3.8	5.3	3.5	4.1	5.3	4.7	5.1
30	---	---	---	4.2	3.4	3.8	5.0	4.1	4.3	5.0	4.4	4.7
31	---	---	---	4.2	3.4	3.8	4.3	3.7	4.0	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	6.5	3.4	4.8

02107576 CAPE FEAR RIVER AT NAVASSA, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	5.8	4.4	5.0	---	---	---	---	---	---	---	---	---
2	6.6	5.2	5.8	---	---	---	---	---	---	---	---	---
3	6.6	5.3	5.8	---	---	---	---	---	---	---	---	---
4	6.3	4.9	5.5	---	---	---	---	---	---	---	---	---
5	6.4	5.0	5.5	---	---	---	---	---	---	---	---	---
6	6.4	5.2	5.8	---	---	---	---	---	---	---	---	---
7	6.1	5.1	5.6	---	---	---	---	---	---	---	---	---
8	5.8	5.0	5.3	---	---	---	---	---	---	---	---	---
9	5.6	4.8	5.3	---	---	---	---	---	---	---	---	---
10	5.4	4.4	5.0	6.2	5.5	5.9	---	---	---	---	---	---
11	5.2	4.3	4.8	6.2	5.8	6.0	---	---	---	---	---	---
12	5.1	4.2	4.6	6.3	5.8	6.0	---	---	---	---	---	---
13	4.9	4.1	4.5	6.6	5.8	6.2	---	---	---	---	---	---
14	4.8	4.1	4.5	7.0	6.2	6.5	---	---	---	---	---	---
15	4.7	4.2	4.5	6.8	6.4	6.5	---	---	---	---	---	---
16	4.8	4.4	4.7	6.8	6.4	6.6	---	---	---	---	---	---
17	5.1	4.5	4.9	7.2	6.3	6.8	---	---	---	---	---	---
18	5.3	4.6	5.0	7.8	6.8	7.3	---	---	---	---	---	---
19	5.3	4.6	5.0	7.9	7.1	7.5	---	---	---	---	---	---
20	---	---	---	7.6	6.9	7.3	---	---	---	---	---	---
21	---	---	---	7.5	6.8	7.2	---	---	---	---	---	---
22	---	---	---	7.4	6.4	6.9	---	---	---	---	---	---
23	---	---	---	7.0	6.2	6.7	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02107576 CAPE FEAR RIVER AT NAVASSA, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	75	63	70	79	76	77	---	---	---
2	---	---	---	76	62	71	80	77	79	---	---	---
3	---	---	---	76	62	72	81	76	79	---	---	---
4	---	---	---	73	60	69	81	76	78	---	---	---
5	---	---	---	71	57	66	80	75	78	---	---	---
6	---	---	---	69	56	64	80	75	78	---	---	---
7	---	---	---	65	55	63	79	74	77	---	---	---
8	---	---	---	68	54	63	77	72	75	---	---	---
9	---	---	---	69	58	66	76	70	73	89	84	87
10	---	---	---	71	60	67	74	68	72	90	86	88
11	---	---	---	68	62	66	72	68	71	90	85	88
12	---	---	---	71	62	67	72	67	70	91	85	89
13	---	---	---	79	67	72	70	67	69	92	87	90
14	---	---	---	75	68	73	---	---	---	91	87	90
15	---	---	---	74	67	73	---	---	---	92	86	90
16	---	---	---	74	68	72	---	---	---	92	87	90
17	---	---	---	74	68	72	---	---	---	94	86	91
18	---	---	---	76	66	72	---	---	---	95	87	92
19	---	---	---	80	70	76	---	---	---	96	88	93
20	---	---	---	80	73	77	---	---	---	95	89	93
21	---	---	---	78	71	76	---	---	---	94	88	92
22	---	---	---	78	71	76	---	---	---	95	88	92
23	---	---	---	81	71	77	---	---	---	96	89	94
24	---	---	---	85	73	79	---	---	---	96	91	95
25	---	---	---	89	76	80	---	---	---	97	91	94
26	---	---	---	83	76	80	---	---	---	96	90	94
27	---	---	---	81	74	78	---	---	---	95	91	94
28	---	---	---	80	75	77	---	---	---	95	92	93
29	---	---	---	81	77	78	---	---	---	94	91	93
30	---	---	---	80	76	77	---	---	---	95	91	93
31	---	---	---	---	---	---	---	---	---	95	91	93
MONTH	---	---	---	89	54	72	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	95	90	93	---	---	---	---	---	---	---	---	---
2	94	88	92	---	---	---	---	---	---	---	---	---
3	93	86	90	---	---	---	---	---	---	---	---	---
4	93	87	90	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	86	80	83	---	---	---	---	---	---
13	---	---	---	85	80	83	---	---	---	---	---	---
14	---	---	---	85	80	83	---	---	---	---	---	---
15	---	---	---	85	79	83	---	---	---	---	---	---
16	---	---	---	85	79	82	---	---	---	---	---	---
17	---	---	---	84	78	82	---	---	---	---	---	---
18	---	---	---	83	78	81	---	---	---	---	---	---
19	---	---	---	87	78	84	---	---	---	---	---	---
20	---	---	---	90	79	86	---	---	---	62	58	60
21	---	---	---	89	83	87	---	---	---	63	57	60
22	---	---	---	89	81	85	---	---	---	69	59	60
23	---	---	---	87	79	84	---	---	---	64	58	61
24	---	---	---	88	81	85	---	---	---	66	58	61
25	---	---	---	87	75	83	---	---	---	66	60	62
26	---	---	---	85	79	83	---	---	---	65	59	62
27	---	---	---	85	77	83	---	---	---	67	59	62
28	---	---	---	85	72	82	---	---	---	70	61	64
29	---	---	---	85	69	80	---	---	---	71	61	64
30	---	---	---	82	72	78	---	---	---	67	60	62
31	---	---	---	81	72	78	---	---	---	63	57	60
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02107576 CAPE FEAR RIVER AT NAVASSA, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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

02107576 CAPE FEAR RIVER AT NAVASSA, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	69	52	60	---	---	---	---	---	---	---	---	---
2	78	62	69	---	---	---	---	---	---	---	---	---
3	78	63	69	---	---	---	---	---	---	---	---	---
4	74	58	64	---	---	---	---	---	---	---	---	---
5	75	59	65	---	---	---	---	---	---	---	---	---
6	74	61	67	---	---	---	---	---	---	---	---	---
7	71	59	65	---	---	---	---	---	---	---	---	---
8	67	58	62	---	---	---	---	---	---	---	---	---
9	64	56	61	---	---	---	---	---	---	---	---	---
10	62	51	58	66	59	62	---	---	---	---	---	---
11	59	50	55	65	61	63	---	---	---	---	---	---
12	58	49	53	66	60	63	---	---	---	---	---	---
13	56	48	52	68	61	64	---	---	---	---	---	---
14	55	48	52	71	63	66	---	---	---	---	---	---
15	54	49	52	69	64	65	---	---	---	---	---	---
16	55	50	53	67	63	65	---	---	---	---	---	---
17	57	51	55	70	62	66	---	---	---	---	---	---
18	59	52	56	75	66	70	---	---	---	---	---	---
19	59	52	56	75	68	72	---	---	---	---	---	---
20	---	---	---	72	65	70	---	---	---	---	---	---
21	---	---	---	71	66	68	---	---	---	---	---	---
22	---	---	---	70	62	66	---	---	---	---	---	---
23	---	---	---	67	61	65	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02108000 NORTHEAST CAPE FEAR RIVER NEAR CHINQUAPIN, NC

LOCATION.--Lat 34°49'44", long 77°49'56", Duplin County, Hydrologic Unit 03030007, on right bank 540 ft downstream of bridge on State Highway 41, 0.5 mi downstream of Muddy Creek, and 1.2 mi west of Chinquapin.

DRAINAGE AREA.--599 mi^2.

PERIOD OF RECORD.--July 1940 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 17.28 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Minimum discharge for period of record also occurred Oct. 11, 1954. Minimum discharge for current water year also occurred Aug. 2.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1908 reached a stage of 22.6 ft at old bridge site 1,000 ft upstream from gage. Flood in 1928 reached a stage 0.8 ft lower than the flood in 1908, from information by North Carolina State Highway Commission.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	361	3,620	455	724	600	1,770	259	678	239	578	46	1,680
2	318	3,110	418	678	550	1,580	277	1,270	274	639	63	1,580
3	273	2,370	385	635	524	1,370	292	1,970	277	681	130	1,380
4	235	1,740	370	595	545	1,240	295	3,120	252	596	184	1,170
5	201	1,320	560	563	539	1,160	282	4,020	296	428	203	1,020
6	176	1,200	719	539	531	1,060	256	4,070	539	330	327	874
7	157	1,610	771	514	544	937	232	3,690	668	283	394	943
8	158	1,720	764	493	546	813	215	2,970	616	257	403	1,030
9	476	1,570	704	484	525	709	199	2,370	473	220	289	1,210
10	804	1,350	672	501	498	626	184	1,900	363	157	194	1,370
11	996	1,140	1,450	502	469	556	215	1,420	348	131	133	1,510
12	1,060	930	1,990	490	498	499	553	1,040	465	153	95	1,530
13	1,050	760	2,050	486	766	452	980	733	575	137	339	1,390
14	934	634	2,130	473	925	411	1,400	565	582	145	1,220	1,150
15	812	551	2,620	460	1,140	386	1,770	476	503	110	e2,240	967
16	679	497	3,090	444	1,370	424	1,930	450	396	87	e3,570	791
17	560	452	3,120	423	1,520	538	1,970	449	488	73	e4,150	675
18	479	415	2,940	416	1,660	573	1,840	402	796	63	4,030	708
19	419	424	2,550	426	1,710	556	1,560	333	945	56	3,410	751
20	367	843	2,200	420	1,610	525	1,240	276	906	51	2,550	746
21	321	1,010	1,890	411	1,450	480	928	233	755	76	1,880	728
22	280	1,030	1,610	404	1,280	429	663	197	533	99	1,400	702
23	247	1,020	1,370	390	1,110	382	494	169	378	88	1,140	650
24	215	942	1,250	370	986	345	395	156	324	79	942	558
25	192	824	1,220	354	904	315	326	215	340	105	780	467
26	180	708	1,170	e400	893	291	278	246	402	121	658	390
27	173	637	1,110	e510	1,320	270	341	231	399	97	583	337
28	191	595	1,030	589	1,700	254	479	181	327	74	607	321
29	1,240	555	941	669	1,830	245	552	139	389	60	672	322
30	2,720	499	853	678	---	235	590	142	472	51	1,100	312
31	3,630	---	780	653	---	237	---	188	---	48	1,520	---
TOTAL	19,904	34,076	43,182	15,694	28,543	19,668	20,995	34,299	14,320	6,073	35,252	27,262
MEAN	642	1,136	1,393	506	984	634	700	1,106	477	196	1,137	909
MAX	3,630	3,620	3,120	724	1,830	1,770	1,970	4,070	945	681	4,150	1,680
MIN	157	415	370	354	469	235	184	139	239	48	46	312
CFSM	1.07	1.90	2.33	0.85	1.64	1.06	1.17	1.85	0.80	0.33	1.90	1.52
IN.	1.24	2.12	2.68	0.97	1.77	1.22	1.30	2.13	0.89	0.38	2.19	1.69

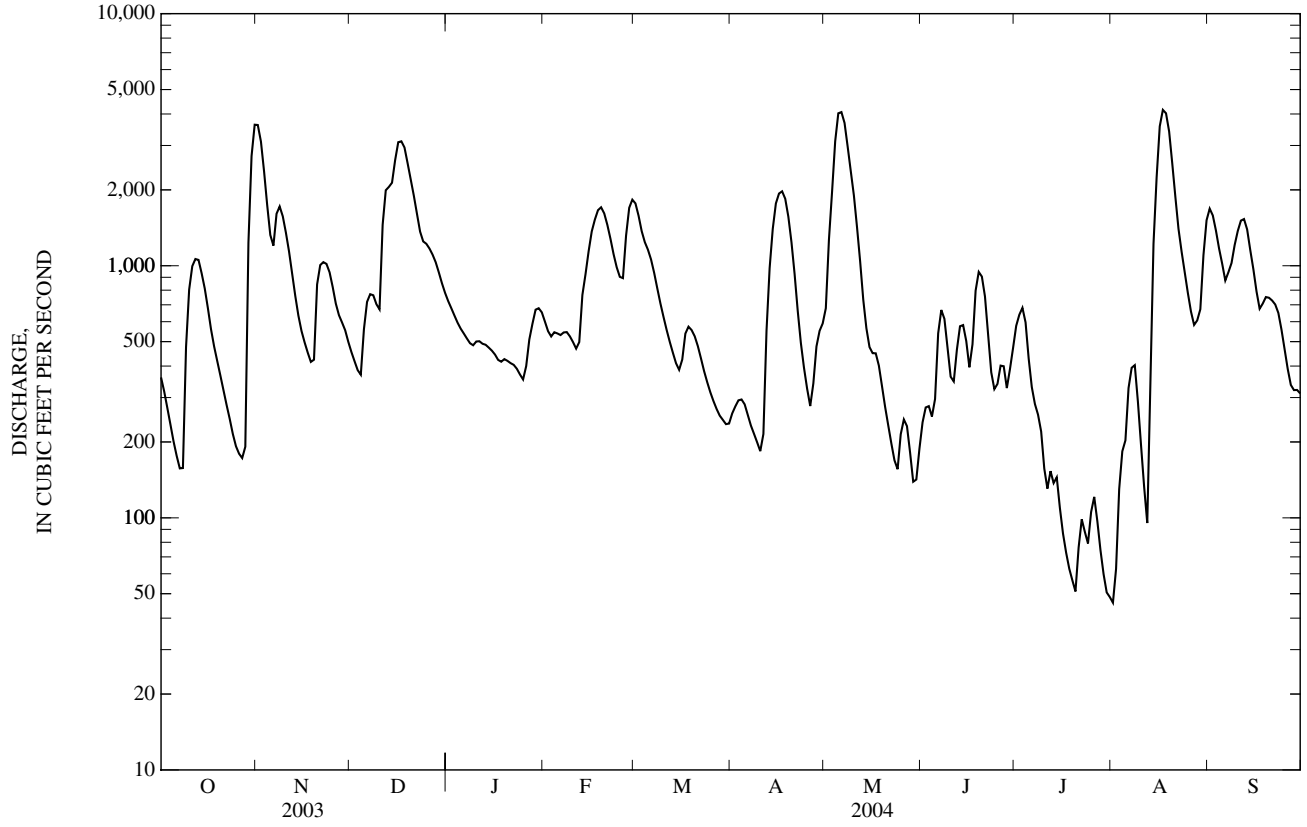
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2004, BY WATER YEAR (WY)

MEAN	458	430	662	1,043	1,198	1,232	848	475	414	570	680	681
MAX	3,237	1,852	2,225	2,548	4,399	3,506	2,958	1,901	1,953	3,922	2,681	7,329
(WY)	(2000)	(1948)	(1949)	(1993)	(1998)	(1983)	(1973)	(1969)	(1961)	(1962)	(1955)	(1999)
MIN	7.59	15.6	59.6	158	249	261	145	64.9	17.3	25.9	13.8	11.0
(WY)	(1955)	(1955)	(1955)	(1955)	(1955)	(1955)	(1986)	(1995)	(1994)	(1954)	(1954)	(1954)

02108000 NORTHEAST CAPE FEAR RIVER NEAR CHINQUAPIN, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1940 - 2004	
ANNUAL TOTAL	467,787		299,268			
ANNUAL MEAN	1,282		818		723	
HIGHEST ANNUAL MEAN					1,243	1973
LOWEST ANNUAL MEAN					279	1951
HIGHEST DAILY MEAN	5,460	Jul 17	4,150	Aug 17	29,900	Sep 18, 1999
LOWEST DAILY MEAN	125	Sep 17	46	Aug 1	5.3	Oct 10, 1954
ANNUAL SEVEN-DAY MINIMUM	144	Sep 12	63	Jul 27	5.5	Oct 8, 1954
MAXIMUM PEAK FLOW			4,180	Aug 17	30,700	Sep 18, 1999
MAXIMUM PEAK STAGE			12.79	Aug 17	23.51	Sep 18, 1999
INSTANTANEOUS LOW FLOW			45*	Aug 1	5.3*	Oct 10, 1954
ANNUAL RUNOFF (CFSM)	2.14		1.37		1.21	
ANNUAL RUNOFF (INCHES)	29.05		18.59		16.41	
10 PERCENT EXCEEDS	3,130		1,750		1,700	
50 PERCENT EXCEEDS	853		552		409	
90 PERCENT EXCEEDS	269		181		59	

* See REMARKS.
e Estimated.



02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC

LOCATION.--Lat 34°35'54", long 77°52'31", Pender County, Hydrologic Unit 03030007, on left bank at State Highway 53 bridge, 3.9 mi above Holly Shelter Creek and 4.5 mi east of Burgaw.

DRAINAGE AREA.--920 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1999 to November 2003 (elevations only), November 2003 to current year. Records for September 1999 are unpublished and available in the USGS District Office, Raleigh, NC.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum, 22.77 ft, Sept. 20, 1999; minimum, -0.18 ft, Jan. 2, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,610 ft^3/s, Aug. 20; minimum discharge -472 ft^3/s, July 30.

REMARKS.--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 for this site may be affected by aliasing due to tides and can contain flucuations that are not representative of net downstream discharge.

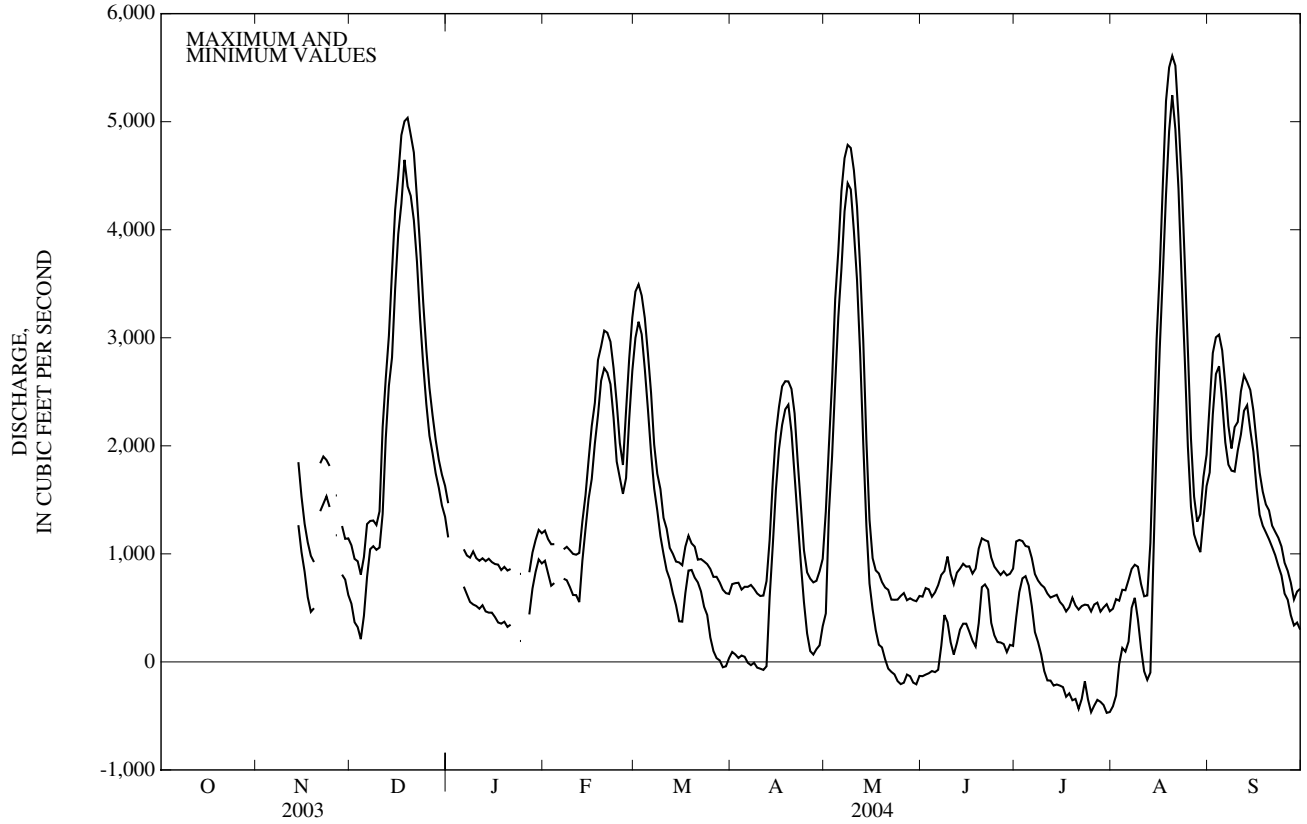
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	1,080	538	1,470	1,150	1,220	936	3,430	3,000
2	---	---	---	---	954	367	---	---	1,140	819	3,490	3,150
3	---	---	---	---	931	321	---	---	1,090	705	3,390	3,030
4	---	---	---	---	808	211	---	---	1,090	729	3,180	2,710
5	---	---	---	---	971	427	---	---	---	---	2,850	2,340
6	---	---	---	---	1,280	785	1,040	696	---	---	2,490	1,930
7	---	---	---	---	1,300	1,040	985	625	1,040	770	2,010	1,610
8	---	---	---	---	1,310	1,070	965	555	1,060	755	1,740	1,400
9	---	---	---	---	1,270	1,040	1,020	531	1,030	692	1,600	1,160
10	---	---	---	---	1,390	1,060	961	517	1,000	619	1,330	998
11	---	---	---	---	2,170	1,370	936	492	992	618	1,230	848
12	---	---	---	---	2,620	2,070	959	524	1,010	553	1,060	766
13	---	---	---	---	3,020	2,560	933	467	1,300	937	1,000	633
14	---	---	1,850	1,270	3,610	2,820	955	456	1,540	1,230	929	524
15	---	---	1,530	1,020	4,180	3,450	924	456	1,870	1,510	921	376
16	---	---	1,280	834	4,500	3,960	906	415	2,180	1,690	895	373
17	---	---	1,110	599	4,880	4,240	900	365	2,400	2,020	1,070	637
18	---	---	982	463	5,000	4,650	850	354	2,790	2,280	1,170	846
19	---	---	924	497	5,040	4,400	880	372	2,920	2,600	1,100	851
20	---	---	---	---	4,880	4,310	845	324	3,070	2,720	1,070	780
21	---	---	1,840	1,400	4,710	4,090	860	344	3,050	2,680	946	736
22	---	---	1,900	1,460	4,290	3,700	---	---	2,960	2,570	952	653
23	---	---	1,870	1,530	3,840	3,180	---	---	2,720	2,260	929	510
24	---	---	1,810	1,430	3,330	2,750	815	193	2,400	1,850	905	434
25	---	---	---	---	2,890	2,390	---	---	2,030	1,700	860	226
26	---	---	1,540	1,170	2,540	2,090	---	---	1,820	1,560	787	100
27	---	---	---	---	2,280	1,930	830	439	2,320	1,700	787	35
28	---	---	1,260	807	2,060	1,750	1,010	678	2,810	2,250	735	13
29	---	---	1,140	761	1,870	1,610	1,130	832	3,190	2,690	668	-50
30	---	---	1,140	619	1,730	1,450	1,220	948	---	---	636	-41
31	---	---	---	---	1,630	1,340	1,190	911	---	---	629	36
MONTH	---	---	---	---	5,040	211	---	---	---	---	3,490	-50

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	720	92	1,390	449	604	-132	1,110	413	492	-411	2,390	1,750
2	729	69	2,010	1,380	683	-118	1,130	646	581	-312	2,860	2,290
3	732	36	2,600	1,900	671	-105	1,120	773	566	-20	3,000	2,660
4	669	59	3,360	2,570	603	-85	1,070	793	668	129	3,030	2,740
5	695	47	3,800	3,190	644	-95	1,070	708	663	95	2,880	2,410
6	694	-8.2	4,360	3,640	711	-73	961	517	759	188	2,570	2,030
7	712	-30	4,660	4,170	805	149	813	276	861	501	2,190	1,830
8	677	-8.2	4,790	4,430	840	434	753	184	899	593	1,980	1,770
9	633	-53	4,760	4,370	975	367	714	69	881	393	2,170	1,760
10	610	-63	4,550	3,990	812	182	689	-85	721	126	2,220	1,960
11	614	-74	4,210	3,540	719	68	633	-171	607	-87	2,500	2,100
12	748	-41	3,650	2,850	826	174	596	-173	615	-166	2,650	2,320
13	1,130	596	2,970	2,020	863	299	608	-219	1,100	-99	2,590	2,380
14	1,670	1,070	2,050	1,260	908	354	621	-209	2,050	997	2,520	2,150
15	2,110	1,590	1,320	725	881	354	555	-219	2,990	2,050	2,330	1,940
16	2,360	1,970	960	486	885	279	522	-234	3,620	2,900	2,040	1,620
17	2,550	2,190	847	293	817	197	467	-323	4,430	3,600	1,750	1,360
18	2,600	2,340	818	159	863	142	506	-291	5,190	4,320	1,580	1,260
19	2,600	2,380	739	134	1,050	358	593	-355	5,500	4,910	1,460	1,200
20	2,530	2,130	689	24	1,140	692	523	-343	5,610	5,240	1,400	1,140
21	2,300	1,720	667	-62	1,130	717	484	-435	5,520	4,930	1,260	1,060
22	1,850	1,320	576	-92	1,110	669	517	-343	5,040	4,380	1,200	988
23	1,450	910	575	-116	966	361	530	-179	4,470	3,550	1,150	889
24	1,030	552	576	-178	882	246	525	-348	3,710	2,820	1,070	800
25	828	263	610	-206	842	184	467	-466	2,900	2,000	918	632
26	770	100	637	-193	805	180	531	-405	2,060	1,440	842	575
27	736	68	571	-117	838	165	548	-351	1,530	1,180	732	431
28	751	118	589	-133	801	91	465	-370	1,300	1,090	577	337
29	839	154	571	-192	816	158	504	-400	1,370	1,020	651	364
30	954	330	562	-207	863	148	534	-472	1,710	1,330	677	299
31	---	---	610	-130	---	---	469	-464	1,920	1,630	---	---
MONTH	2,600	-74	4,790	-207	1,140	-132	1,130	-472	5,610	-411	3,030	299



02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1964 to 1967, 2004 to December 2004 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1964 to September 1967, November 2003 to December 2004.
SALINITY: October 1964 to September 1967, November 2003 to December 2004.
pH: November 2003 to December 2004.
WATER TEMPERATURE: October 1963 to September 1967, November 2003 to December 2004.
DISSOLVED OXYGEN: November 2003 to December 2004.
DISSOLVED OXYGEN, PERCENT SATURATION: November 2003 to December 2004.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from November 2003 to December 2004.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources. Salinity and dissolved oxygen, percent saturation are computed. The salinity is computed from specific conductance using the conversion from U.S. Geological Survey Water Supply Paper 2311. The dissolved oxygen, percent saturation is computed using a barometric pressure of 760 mm of Hg.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	249, July 27, 2004	39, June 29, August 16, 1965, March 2, 3, 4, 1966
SALINITY, ppt	0.1, July 26, 27, 2004	0.02, June 29, August 16, 1965, March 2, 3, 4, 1966
pH, standard units	7.2, March 9, 10, 12, 13, 2004	5.5, August 19, 2004
WATER TEMPERATURE, ^{o}C	30.3, July 15, 16, 2004	1.1, December 22, 1963
DISSOLVED OXYGEN, mg/L	12.2, January 23, 29, 30, February 2, 3, 2004	2.9, August 23, 24, 2004
DISSOLVED OXYGEN, PERCENT SATURATION,%	96, January 23, 2004	35, August 23, 24, 2004

EXTREMES FOR CURRENT PERIOD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	249, July 27, 2004	71, August 19, 2004
SALINITY, ppt	0.1, July 26, 27, 2004	0.03, on many days during the period
pH, standard units	7.2, March 9, 10, 12, 13, 2004	5.5, August 19, 2004
WATER TEMPERATURE, ^{o}C	30.3, July 15, 16, 2004	3.0, January 29, 30, 2004
DISSOLVED OXYGEN, mg/L	12.2, January 23, 29, 30, February 2, 3, 2004	2.9, August 23, 24, 2004
DISSOLVED OXYGEN, PERCENT SATURATION,%	96, January 23, 2004	35, August 23, 24, 2004

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	138	135	137	---	---	---
2	---	---	---	---	---	---	140	137	139	---	---	---
3	---	---	---	---	---	---	140	140	140	---	---	---
4	---	---	---	86	80	83	140	138	139	---	---	---
5	---	---	---	93	86	90	141	127	136	---	---	---
6	---	---	---	101	93	97	135	127	134	121	120	121
7	---	---	---	112	101	106	130	123	127	123	121	122
8	---	---	---	112	105	109	125	123	123	124	122	123
9	---	---	---	109	105	107	123	115	122	124	121	123
10	---	---	---	112	109	110	123	115	121	125	123	125
11	---	---	---	113	111	112	115	103	108	126	120	125
12	---	---	---	114	112	113	106	92	98	124	123	124
13	---	---	---	---	---	---	92	91	91	125	123	124
14	---	---	---	119	114	116	91	85	88	124	122	123
15	---	---	---	124	119	121	85	83	84	125	124	125
16	---	---	---	129	124	125	84	81	83	125	124	125
17	---	---	---	132	129	131	81	80	81	128	125	127
18	---	---	---	137	129	135	83	80	81	127	126	126
19	---	---	---	138	133	137	86	82	84	129	127	128
20	---	---	---	---	---	---	90	86	88	130	127	129
21	---	---	---	125	120	122	95	90	93	130	128	128
22	---	---	---	123	114	119	99	95	97	---	---	---
23	---	---	---	120	117	118	102	99	101	---	---	---
24	---	---	---	120	113	119	103	101	102	132	130	131
25	---	---	---	---	---	---	104	102	103	---	---	---
26	---	---	---	123	117	122	107	104	105	---	---	---
27	---	---	---	---	---	---	109	106	108	130	126	128
28	---	---	---	128	121	127	109	107	108	128	125	126
29	---	---	---	131	128	129	110	108	109	127	121	124
30	---	---	---	135	131	134	111	109	110	122	121	121
31	---	---	---	---	---	---	113	110	111	122	120	121
MONTH	---	---	---	---	---	---	141	80	108	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
1	120	120	120	86	85	85	133	125	131	124	100	115
2	121	120	121	88	86	87	133	125	132	101	90	96
3	121	120	120	91	88	89	134	131	133	94	83	88
4	123	120	122	93	91	92	136	133	134	83	79	81
5	---	---	---	96	93	95	136	133	134	79	76	77
6	---	---	---	104	96	100	135	132	134	77	76	77
7	127	125	126	109	104	107	134	133	133	77	76	76
8	127	124	125	112	109	111	136	133	134	77	75	76
9	129	127	128	113	111	112	137	132	134	79	76	77
10	130	128	129	116	112	114	138	137	137	85	79	82
11	130	127	129	118	116	117	142	138	140	93	85	89
12	130	124	127	119	118	119	144	141	142	97	93	95
13	124	118	121	120	118	119	146	135	142	98	96	97
14	122	116	119	120	118	119	135	106	117	102	98	100
15	117	108	112	123	120	122	106	98	100	107	102	104
16	109	105	107	123	117	120	98	94	96	111	107	110
17	106	103	104	118	115	116	98	94	96	116	111	114
18	103	101	102	117	114	116	100	97	98	117	116	116
19	102	100	101	114	113	113	100	99	99	118	116	117
20	102	101	102	115	106	114	104	100	101	120	115	118
21	103	102	102	114	113	113	108	103	105	121	119	120
22	105	103	104	114	113	113	114	108	111	123	121	122
23	108	105	106	115	113	114	121	114	117	128	122	124
24	109	106	107	118	114	115	126	120	124	134	128	130
25	112	108	110	121	111	119	131	125	129	138	134	136
26	113	112	112	126	118	122	132	130	131	141	137	139
27	112	99	107	125	118	123	133	131	132	144	139	142
28	99	89	93	127	117	125	135	130	132	149	143	147
29	89	85	87	129	118	126	134	130	132	149	130	140
30	---	---	---	134	123	130	132	124	129	132	128	130
31	---	---	---	132	120	130	---	---	---	132	130	131
MONTH	---	---	---	134	85	113	146	94	124	149	75	109

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	138	130	133	128	114	121	164	161	163	103	90	98
2	156	138	149	116	109	112	162	153	160	90	78	85
3	156	152	153	110	104	108	156	150	152	83	78	80
4	154	151	153	104	100	102	182	150	163	89	83	86
5	151	144	148	100	97	98	178	141	150	93	89	91
6	154	143	146	102	100	101	141	135	137	93	93	93
7	158	153	155	106	100	103	138	130	135	95	93	94
8	158	115	136	109	105	107	131	116	122	100	95	97
9	116	114	115	119	109	114	119	116	118	101	93	97
10	124	115	120	126	118	123	119	118	118	97	94	96
11	135	124	131	131	126	129	120	118	119	96	91	94
12	140	135	137	136	130	133	125	120	122	92	90	90
13	144	136	141	137	134	136	125	107	116	92	90	91
14	140	124	129	139	135	136	114	93	101	95	92	93
15	124	115	119	150	139	143	94	77	83	96	94	95
16	118	116	117	150	144	149	78	75	76	99	96	98
17	118	114	115	150	144	148	77	75	76	103	99	101
18	117	114	115	147	140	146	76	75	76	107	102	105
19	119	101	115	144	135	139	75	71	74	108	106	107
20	101	88	91	143	136	138	76	74	75	109	107	108
21	98	89	93	147	141	144	81	76	79	110	109	109
22	102	98	100	147	145	146	88	81	84	111	109	110
23	109	102	105	153	146	151	98	88	93	111	110	111
24	117	109	112	172	153	165	107	97	102	113	111	112
25	124	116	121	180	171	173	117	107	111	116	113	114
26	145	123	130	233	173	199	131	117	124	120	116	118
27	151	132	137	249	200	227	137	131	135	123	119	121
28	133	123	127	222	176	195	137	131	136	126	123	125
29	123	119	121	188	167	175	131	121	126	---	---	---
30	125	120	122	169	163	166	122	106	113	---	---	---
31	---	---	---	165	163	164	109	102	105	---	---	---
MONTH	158	88	126	249	97	142	182	71	114	---	---	---

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	137	131	133	165	162	163	137	131	134	---	---	---
2	138	137	138	166	164	165	131	129	129	---	---	---
3	138	137	137	166	162	164	---	---	---	---	---	---
4	138	137	137	166	162	163	---	---	---	---	---	---
5	137	135	136	169	164	168	---	---	---	---	---	---
6	136	135	136	171	167	169	---	---	---	---	---	---
7	141	136	138	177	170	174	---	---	---	---	---	---
8	139	137	138	182	176	180	---	---	---	---	---	---
9	140	137	138	187	181	184	---	---	---	---	---	---
10	145	140	143	189	183	186	---	---	---	---	---	---
11	148	144	146	192	184	186	---	---	---	---	---	---
12	151	147	149	196	189	194	---	---	---	---	---	---
13	153	150	151	195	185	192	---	---	---	---	---	---
14	154	152	153	185	172	178	---	---	---	---	---	---
15	157	153	155	174	163	169	---	---	---	---	---	---
16	158	156	157	163	148	153	---	---	---	---	---	---
17	159	151	155	148	137	141	---	---	---	---	---	---
18	161	156	158	138	136	137	---	---	---	---	---	---
19	161	154	157	139	137	138	---	---	---	---	---	---
20	154	151	152	142	139	140	---	---	---	---	---	---
21	153	151	152	146	141	143	---	---	---	---	---	---
22	151	143	147	151	145	148	---	---	---	---	---	---
23	144	142	143	153	150	151	---	---	---	---	---	---
24	145	143	144	156	153	154	---	---	---	---	---	---
25	145	144	145	158	155	156	---	---	---	---	---	---
26	150	145	148	157	153	154	---	---	---	---	---	---
27	153	149	151	153	147	149	---	---	---	---	---	---
28	156	153	153	147	138	143	---	---	---	---	---	---
29	159	155	157	143	139	141	---	---	---	---	---	---
30	161	158	159	142	136	140	---	---	---	---	---	---
31	162	160	161	---	---	---	---	---	---	---	---	---
MONTH	162	131	147	196	136	161	---	---	---	---	---	---

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	0.06	0.05	0.05	---	---	---
2	---	---	---	---	---	---	0.06	0.05	0.06	---	---	---
3	---	---	---	---	---	---	0.06	0.06	0.06	---	---	---
4	---	---	---	0.03	0.03	0.03	0.06	0.06	0.06	---	---	---
5	---	---	---	0.04	0.03	0.04	0.06	0.05	0.05	---	---	---
6	---	---	---	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05
7	---	---	---	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05
8	---	---	---	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05
9	---	---	---	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05
10	---	---	---	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05
11	---	---	---	0.05	0.04	0.04	0.05	0.04	0.04	0.05	0.05	0.05
12	---	---	---	0.05	0.04	0.05	0.04	0.04	0.04	0.05	0.05	0.05
13	---	---	---	---	---	---	0.04	0.04	0.04	0.05	0.05	0.05
14	---	---	---	0.05	0.05	0.05	0.04	0.03	0.04	0.05	0.05	0.05
15	---	---	---	0.05	0.05	0.05	0.03	0.03	0.03	0.05	0.05	0.05
16	---	---	---	0.05	0.05	0.05	0.03	0.03	0.03	0.05	0.05	0.05
17	---	---	---	0.05	0.05	0.05	0.03	0.03	0.03	0.05	0.05	0.05
18	---	---	---	0.05	0.05	0.05	0.03	0.03	0.03	0.05	0.05	0.05
19	---	---	---	0.06	0.05	0.05	0.03	0.03	0.03	0.05	0.05	0.05
20	---	---	---	---	---	---	0.04	0.03	0.04	0.05	0.05	0.05
21	---	---	---	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05
22	---	---	---	0.05	0.05	0.05	0.04	0.04	0.04	---	---	---
23	---	---	---	0.05	0.05	0.05	0.04	0.04	0.04	---	---	---
24	---	---	---	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05
25	---	---	---	---	---	---	0.04	0.04	0.04	---	---	---
26	---	---	---	0.05	0.05	0.05	0.04	0.04	0.04	---	---	---
27	---	---	---	---	---	---	0.04	0.04	0.04	0.05	0.05	0.05
28	---	---	---	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05
29	---	---	---	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05
30	---	---	---	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05
31	---	---	---	---	---	---	0.05	0.04	0.04	0.05	0.05	0.05
MONTH	---	---	---	---	---	---	0.06	0.03	0.04	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	0.05	0.05	0.05	0.03	0.03	0.03	0.05	0.05	0.05	0.05	0.04	0.05
2	0.05	0.05	0.05	0.04	0.03	0.03	0.05	0.05	0.05	0.04	0.04	0.04
3	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.03	0.04
4	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05	0.03	0.03	0.03
5	---	---	---	0.04	0.04	0.04	0.05	0.05	0.05	0.03	0.03	0.03
6	---	---	---	0.04	0.04	0.04	0.05	0.05	0.05	0.03	0.03	0.03
7	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05	0.03	0.03	0.03
8	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05	0.03	0.03	0.03
9	0.05	0.05	0.05	0.05	0.04	0.04	0.05	0.05	0.05	0.03	0.03	0.03
10	0.05	0.05	0.05	0.05	0.04	0.05	0.06	0.05	0.05	0.03	0.03	0.03
11	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.04	0.03	0.04
12	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.04	0.04	0.04
13	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.06	0.04	0.04	0.04
14	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.05	0.04	0.04	0.04
15	0.05	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04
16	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04
17	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.04	0.05
18	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05
19	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05
20	0.04	0.04	0.04	0.05	0.04	0.05	0.04	0.04	0.04	0.05	0.05	0.05
21	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05
22	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.04	0.04	0.05	0.05	0.05
23	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
24	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
25	0.04	0.04	0.04	0.05	0.04	0.05	0.05	0.05	0.05	0.06	0.05	0.05
26	0.05	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.06
27	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06
28	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06
29	0.04	0.03	0.03	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.06
30	---	---	---	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
31	---	---	---	0.05	0.05	0.05	---	---	---	0.05	0.05	0.05
MONTH	---	---	---	0.05	0.03	0.05	0.06	0.04	0.05	0.06	0.03	0.04

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	0.06	0.05	0.05	0.05	0.05	0.05	0.07	0.06	0.07	0.04	0.04	0.04
2	0.06	0.06	0.06	0.05	0.04	0.04	0.06	0.06	0.06	0.04	0.03	0.03
3	0.06	0.06	0.06	0.04	0.04	0.04	0.06	0.06	0.06	0.03	0.03	0.03
4	0.06	0.06	0.06	0.04	0.04	0.04	0.07	0.06	0.07	0.04	0.03	0.03
5	0.06	0.06	0.06	0.04	0.04	0.04	0.07	0.06	0.06	0.04	0.04	0.04
6	0.06	0.06	0.06	0.04	0.04	0.04	0.06	0.05	0.05	0.04	0.04	0.04
7	0.06	0.06	0.06	0.04	0.04	0.04	0.06	0.05	0.05	0.04	0.04	0.04
8	0.06	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04
9	0.05	0.05	0.05	0.05	0.04	0.05	0.05	0.05	0.05	0.04	0.04	0.04
10	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04
11	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04
12	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04
13	0.06	0.05	0.06	0.05	0.05	0.05	0.05	0.04	0.05	0.04	0.04	0.04
14	0.06	0.05	0.05	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04
15	0.05	0.05	0.05	0.06	0.06	0.06	0.04	0.03	0.03	0.04	0.04	0.04
16	0.05	0.05	0.05	0.06	0.06	0.06	0.03	0.03	0.03	0.04	0.04	0.04
17	0.05	0.05	0.05	0.06	0.06	0.06	0.03	0.03	0.03	0.04	0.04	0.04
18	0.05	0.05	0.05	0.06	0.06	0.06	0.03	0.03	0.03	0.04	0.04	0.04
19	0.05	0.04	0.05	0.06	0.05	0.06	0.03	0.03	0.03	0.04	0.04	0.04
20	0.04	0.04	0.04	0.06	0.05	0.06	0.03	0.03	0.03	0.04	0.04	0.04
21	0.04	0.04	0.04	0.06	0.06	0.06	0.03	0.03	0.03	0.04	0.04	0.04
22	0.04	0.04	0.04	0.06	0.06	0.06	0.04	0.03	0.03	0.04	0.04	0.04
23	0.04	0.04	0.04	0.06	0.06	0.06	0.04	0.04	0.04	0.04	0.04	0.04
24	0.05	0.04	0.04	0.07	0.06	0.07	0.04	0.04	0.04	0.05	0.04	0.04
25	0.05	0.05	0.05	0.07	0.07	0.07	0.05	0.04	0.04	0.05	0.05	0.05
26	0.06	0.05	0.05	0.10	0.07	0.08	0.05	0.05	0.05	0.05	0.05	0.05
27	0.06	0.05	0.05	0.1	0.08	0.09	0.05	0.05	0.05	0.05	0.05	0.05
28	0.05	0.05	0.05	0.09	0.07	0.08	0.05	0.05	0.05	0.05	0.05	0.05
29	0.05	0.05	0.05	0.08	0.07	0.07	0.05	0.05	0.05	---	---	---
30	0.05	0.05	0.05	0.07	0.07	0.07	0.05	0.04	0.05	---	---	---
31	---	---	---	0.07	0.07	0.07	0.04	0.04	0.04	---	---	---
MONTH	0.06	0.04	0.05	0.1	0.04	0.06	0.07	0.03	0.05	---	---	---

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
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	0.05	0.05	0.05	0.07	0.06	0.07	0.05	0.05	0.05	---	---	---
2	0.06	0.05	0.06	0.07	0.07	0.07	0.05	0.05	0.05	---	---	---
3	0.06	0.05	0.05	0.07	0.06	0.07	---	---	---	---	---	---
4	0.06	0.05	0.05	0.07	0.06	0.07	---	---	---	---	---	---
5	0.05	0.05	0.05	0.07	0.07	0.07	---	---	---	---	---	---
6	0.05	0.05	0.05	0.07	0.07	0.07	---	---	---	---	---	---
7	0.06	0.05	0.06	0.07	0.07	0.07	---	---	---	---	---	---
8	0.06	0.05	0.06	0.07	0.07	0.07	---	---	---	---	---	---
9	0.06	0.05	0.06	0.07	0.07	0.07	---	---	---	---	---	---
10	0.06	0.06	0.06	0.08	0.07	0.07	---	---	---	---	---	---
11	0.06	0.06	0.06	0.08	0.07	0.07	---	---	---	---	---	---
12	0.06	0.06	0.06	0.08	0.08	0.08	---	---	---	---	---	---
13	0.06	0.06	0.06	0.08	0.07	0.08	---	---	---	---	---	---
14	0.06	0.06	0.06	0.07	0.07	0.07	---	---	---	---	---	---
15	0.06	0.06	0.06	0.07	0.07	0.07	---	---	---	---	---	---
16	0.06	0.06	0.06	0.07	0.06	0.06	---	---	---	---	---	---
17	0.06	0.06	0.06	0.06	0.05	0.06	---	---	---	---	---	---
18	0.06	0.06	0.06	0.06	0.05	0.05	---	---	---	---	---	---
19	0.06	0.06	0.06	0.06	0.05	0.06	---	---	---	---	---	---
20	0.06	0.06	0.06	0.06	0.06	0.06	---	---	---	---	---	---
21	0.06	0.06	0.06	0.06	0.06	0.06	---	---	---	---	---	---
22	0.06	0.06	0.06	0.06	0.06	0.06	---	---	---	---	---	---
23	0.06	0.06	0.06	0.06	0.06	0.06	---	---	---	---	---	---
24	0.06	0.06	0.06	0.06	0.06	0.06	---	---	---	---	---	---
25	0.06	0.06	0.06	0.06	0.06	0.06	---	---	---	---	---	---
26	0.06	0.06	0.06	0.06	0.06	0.06	---	---	---	---	---	---
27	0.06	0.06	0.06	0.06	0.06	0.06	---	---	---	---	---	---
28	0.06	0.06	0.06	0.06	0.06	0.06	---	---	---	---	---	---
29	0.06	0.06	0.06	0.06	0.06	0.06	---	---	---	---	---	---
30	0.06	0.06	0.06	0.06	0.05	0.06	---	---	---	---	---	---
31	0.06	0.06	0.06	---	---	---	---	---	---	---	---	---
MONTH	0.06	0.05	0.06	0.08	0.05	0.07	---	---	---	---	---	---

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	6.5	6.5	6.5	---	---	---
2	---	---	---	---	---	---	6.5	6.4	6.5	---	---	---
3	---	---	---	---	---	---	6.5	6.5	6.5	---	---	---
4	---	---	---	5.8	5.8	5.8	6.5	6.5	6.5	---	---	---
5	---	---	---	5.9	5.8	5.9	6.5	6.5	6.5	---	---	---
6	---	---	---	6.0	5.9	5.9	6.6	6.5	6.6	6.3	6.3	6.3
7	---	---	---	6.1	6.0	6.0	6.6	6.6	6.6	6.3	6.3	6.3
8	---	---	---	6.2	6.1	6.2	6.6	6.6	6.6	6.4	6.3	6.3
9	---	---	---	6.2	6.2	6.2	6.6	6.6	6.6	6.4	6.3	6.3
10	---	---	---	6.2	6.2	6.2	6.6	6.6	6.6	6.5	6.4	6.4
11	---	---	---	6.2	6.2	6.2	6.6	6.3	6.4	6.6	6.5	6.6
12	---	---	---	6.2	6.2	6.2	6.5	6.3	6.4	6.6	6.6	6.6
13	---	---	---	---	---	---	6.3	6.2	6.3	6.6	6.6	6.6
14	---	---	---	6.3	6.2	6.2	6.3	6.2	6.2	6.6	6.6	6.6
15	---	---	---	6.3	6.3	6.3	6.2	6.2	6.2	6.7	6.6	6.7
16	---	---	---	6.4	6.3	6.3	6.2	6.1	6.1	6.7	6.7	6.7
17	---	---	---	6.4	6.4	6.4	6.1	6.0	6.1	6.7	6.7	6.7
18	---	---	---	6.4	6.4	6.4	6.0	6.0	6.0	6.7	6.7	6.7
19	---	---	---	6.5	6.4	6.4	6.0	6.0	6.0	6.7	6.7	6.7
20	---	---	---	---	---	---	6.1	6.0	6.0	6.8	6.7	6.7
21	---	---	---	6.4	6.4	6.4	6.0	6.0	6.0	6.9	6.8	6.9
22	---	---	---	6.4	6.3	6.3	6.0	6.0	6.0	---	---	---
23	---	---	---	6.4	6.3	6.4	6.1	6.0	6.1	---	---	---
24	---	---	---	6.4	6.4	6.4	6.1	6.1	6.1	6.9	6.9	6.9
25	---	---	---	---	---	---	6.1	6.1	6.1	---	---	---
26	---	---	---	6.4	6.4	6.4	6.2	6.1	6.2	---	---	---
27	---	---	---	---	---	---	6.2	6.2	6.2	6.9	6.8	6.9
28	---	---	---	6.4	6.4	6.4	6.3	6.2	6.2	6.9	6.8	6.9
29	---	---	---	6.4	6.4	6.4	6.3	6.3	6.3	6.9	6.8	6.9
30	---	---	---	6.5	6.4	6.5	6.3	6.3	6.3	6.9	6.8	6.8
31	---	---	---	---	---	---	6.3	6.3	6.3	7.0	6.8	6.9
MONTH	---	---	---	---	---	---	6.6	6.0	6.3	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	7.0	6.8	6.9	6.9	6.9	6.9	6.6	6.5	6.6	6.9	6.8	6.9
2	7.0	6.8	6.9	6.9	6.8	6.9	6.6	6.6	6.6	6.8	6.6	6.7
3	6.9	6.9	6.9	6.9	6.9	6.9	6.7	6.6	6.7	6.6	6.5	6.6
4	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.7	6.7	6.5	6.2	6.3
5	---	---	---	6.9	6.9	6.9	6.9	6.7	6.8	6.2	6.2	6.2
6	---	---	---	7.0	6.9	6.9	6.9	6.9	6.9	6.2	6.1	6.2
7	6.8	6.8	6.8	7.0	7.0	7.0	6.9	6.8	6.9	6.1	6.1	6.1
8	6.8	6.7	6.8	7.1	7.0	7.0	6.9	6.8	6.9	6.1	6.0	6.1
9	6.9	6.8	6.8	7.2	7.1	7.1	6.9	6.8	6.8	6.1	6.0	6.1
10	6.9	6.8	6.9	7.2	7.0	7.1	6.9	6.8	6.8	6.1	6.0	6.1
11	6.9	6.9	6.9	7.1	7.1	7.1	6.9	6.9	6.9	6.2	6.1	6.1
12	6.9	6.9	6.9	7.2	7.1	7.2	6.9	6.9	6.9	6.2	6.1	6.2
13	6.9	6.8	6.8	7.2	7.0	7.1	7.2	6.9	7.0	6.2	6.1	6.2
14	7.0	6.9	7.0	7.1	7.0	7.1	7.1	6.9	7.0	6.3	6.2	6.2
15	7.0	6.9	6.9	7.1	7.1	7.1	6.9	6.8	6.9	6.4	6.3	6.3
16	6.9	6.9	6.9	7.1	6.9	7.0	6.8	6.8	6.8	6.5	6.3	6.4
17	6.9	6.8	6.9	7.0	6.9	6.9	6.8	6.7	6.8	6.6	6.5	6.5
18	6.8	6.8	6.8	7.0	7.0	7.0	6.8	6.7	6.7	6.6	6.5	6.6
19	6.8	6.8	6.8	7.0	6.9	6.9	6.7	6.7	6.7	6.6	6.6	6.6
20	6.8	6.8	6.8	7.0	6.9	6.9	6.7	6.6	6.6	6.6	6.6	6.6
21	6.8	6.8	6.8	6.9	6.9	6.9	6.6	6.6	6.6	6.6	6.6	6.6
22	6.8	6.8	6.8	6.9	6.8	6.8	6.6	6.5	6.5	6.6	6.6	6.6
23	6.8	6.7	6.8	6.8	6.8	6.8	6.6	6.5	6.6	6.6	6.5	6.6
24	6.8	6.8	6.8	6.8	6.8	6.8	6.6	6.6	6.6	6.6	6.6	6.6
25	6.8	6.8	6.8	6.8	6.7	6.7	6.7	6.6	6.6	6.6	6.6	6.6
26	6.9	6.8	6.9	6.8	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.6
27	6.9	6.9	6.9	6.7	6.7	6.7	6.7	6.7	6.7	6.8	6.6	6.7
28	6.9	6.8	6.9	6.7	6.6	6.6	6.8	6.7	6.8	6.9	6.8	6.8
29	6.9	6.8	6.8	6.6	6.6	6.6	6.9	6.8	6.8	6.8	6.8	6.8
30	---	---	---	6.6	6.6	6.6	6.9	6.8	6.8	6.8	6.8	6.8
31	---	---	---	6.6	6.5	6.6	---	---	---	6.8	6.8	6.8
MONTH	---	---	---	7.2	6.5	6.9	7.2	6.5	6.8	6.9	6.0	6.5

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.7	6.6	6.6	6.7	6.7	6.7	6.9	6.8	6.9	---	---	---
2	6.7	6.7	6.7	6.7	6.7	6.7	6.9	6.8	6.8	---	---	---
3	6.8	6.7	6.7	6.7	6.6	6.6	---	---	---	---	---	---
4	6.8	6.8	6.8	6.6	6.6	6.6	---	---	---	---	---	---
5	6.8	6.8	6.8	6.7	6.6	6.6	---	---	---	---	---	---
6	6.8	6.8	6.8	6.7	6.7	6.7	---	---	---	---	---	---
7	6.8	6.7	6.8	6.7	6.7	6.7	---	---	---	---	---	---
8	6.8	6.7	6.8	6.8	6.7	6.8	---	---	---	---	---	---
9	6.8	6.7	6.7	6.8	6.8	6.8	---	---	---	---	---	---
10	6.8	6.7	6.7	6.9	6.8	6.9	---	---	---	---	---	---
11	6.8	6.7	6.7	7.0	6.9	7.0	---	---	---	---	---	---
12	6.8	6.7	6.7	7.0	6.9	7.0	---	---	---	---	---	---
13	6.8	6.7	6.7	7.0	7.0	7.0	---	---	---	---	---	---
14	6.7	6.6	6.6	7.0	7.0	7.0	---	---	---	---	---	---
15	6.7	6.6	6.6	7.0	6.9	7.0	---	---	---	---	---	---
16	6.7	6.7	6.7	7.0	6.8	6.9	---	---	---	---	---	---
17	6.8	6.7	6.7	6.9	6.8	6.9	---	---	---	---	---	---
18	6.8	6.8	6.8	6.8	6.8	6.8	---	---	---	---	---	---
19	6.8	6.7	6.8	6.8	6.8	6.8	---	---	---	---	---	---
20	6.8	6.7	6.7	6.8	6.8	6.8	---	---	---	---	---	---
21	6.8	6.7	6.7	6.8	6.7	6.8	---	---	---	---	---	---
22	6.7	6.7	6.7	6.8	6.7	6.8	---	---	---	---	---	---
23	6.7	6.7	6.7	6.8	6.7	6.8	---	---	---	---	---	---
24	6.7	6.7	6.7	6.8	6.7	6.8	---	---	---	---	---	---
25	6.7	6.7	6.7	6.8	6.7	6.8	---	---	---	---	---	---
26	6.7	6.7	6.7	6.8	6.8	6.8	---	---	---	---	---	---
27	6.7	6.7	6.7	6.9	6.8	6.8	---	---	---	---	---	---
28	6.7	6.7	6.7	6.9	6.9	6.9	---	---	---	---	---	---
29	6.7	6.7	6.7	7.0	6.9	6.9	---	---	---	---	---	---
30	6.7	6.7	6.7	6.9	6.9	6.9	---	---	---	---	---	---
31	6.7	6.7	6.7	---	---	---	---	---	---	---	---	---
MONTH	6.8	6.6	6.7	7.0	6.6	6.8	---	---	---	---	---	---

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	11.5	11.0	11.3	---	---	---
2	---	---	---	---	---	---	11.2	9.8	10.5	---	---	---
3	---	---	---	---	---	---	9.8	8.3	8.9	---	---	---
4	---	---	---	17.4	16.6	16.9	8.3	7.7	7.9	---	---	---
5	---	---	---	18.2	17.4	17.7	8.0	7.7	7.9	---	---	---
6	---	---	---	19.5	18.2	18.8	8.1	7.8	7.9	12.2	11.6	12.0
7	---	---	---	20.6	19.5	20.0	7.8	7.3	7.5	12.2	10.9	11.5
8	---	---	---	20.6	19.9	20.4	7.4	6.8	7.0	10.9	9.5	10.0
9	---	---	---	19.9	17.6	18.8	6.9	6.2	6.5	9.5	7.8	8.7
10	---	---	---	17.6	15.5	16.5	7.9	6.2	6.7	7.8	5.4	6.7
11	---	---	---	15.5	14.5	14.9	9.9	7.9	8.8	5.4	3.8	4.4
12	---	---	---	14.7	14.0	14.4	10.5	9.9	10.2	3.8	3.3	3.6
13	---	---	---	---	---	---	10.1	9.2	9.7	3.9	3.4	3.6
14	---	---	---	14.9	14.1	14.5	9.2	8.3	8.8	3.9	3.6	3.8
15	---	---	---	14.1	13.4	13.6	8.3	7.9	8.1	4.6	3.9	4.2
16	---	---	---	13.4	12.9	13.1	7.9	7.5	7.7	5.0	4.6	4.8
17	---	---	---	13.3	12.7	13.0	8.2	7.8	8.0	5.2	4.8	5.0
18	---	---	---	13.8	13.2	13.5	8.0	7.7	7.8	6.4	5.2	5.7
19	---	---	---	15.1	13.8	14.5	7.8	7.6	7.7	7.0	6.4	6.8
20	---	---	---	---	---	---	7.6	6.9	7.3	6.8	6.1	6.4
21	---	---	---	15.3	14.6	14.9	6.9	6.1	6.4	6.1	5.3	5.6
22	---	---	---	14.6	13.8	14.1	6.1	5.5	5.7	---	---	---
23	---	---	---	13.8	13.0	13.4	5.6	5.2	5.4	---	---	---
24	---	---	---	13.6	12.8	13.2	6.8	5.6	6.1	4.9	4.5	4.7
25	---	---	---	---	---	---	7.8	6.8	7.3	---	---	---
26	---	---	---	13.5	13.2	13.3	8.2	7.5	7.8	---	---	---
27	---	---	---	---	---	---	8.0	7.3	7.7	3.8	3.6	3.7
28	---	---	---	13.8	13.3	13.5	7.3	6.4	6.7	3.7	3.4	3.6
29	---	---	---	13.7	12.6	13.1	6.5	6.0	6.2	3.6	3.0	3.3
30	---	---	---	12.6	11.5	11.9	7.2	6.4	6.8	3.7	3.0	3.4
31	---	---	---	---	---	---	7.8	7.1	7.4	3.7	3.4	3.5
MONTH	---	---	---	---	---	---	11.5	5.2	7.7	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	3.6	3.2	3.4	7.9	6.3	7.1	16.6	16.1	16.3	20.3	19.3	19.7
2	4.2	3.3	3.7	10.2	7.9	9.0	16.2	15.3	15.8	20.0	19.0	19.5
3	4.8	4.1	4.4	12.6	10.2	11.4	15.3	14.6	14.9	20.2	19.8	20.0
4	5.3	4.5	4.9	14.9	12.6	13.7	15.5	14.6	14.9	19.9	19.0	19.4
5	---	---	---	16.8	14.9	15.8	15.3	14.6	14.8	19.0	18.3	18.7
6	---	---	---	18.0	16.8	17.4	15.0	14.2	14.6	19.1	18.1	18.6
7	10.0	8.5	9.3	18.4	17.7	18.0	15.6	14.3	14.8	19.6	18.5	19.0
8	10.0	9.7	9.9	18.0	17.0	17.5	16.5	15.2	15.8	20.4	19.3	19.8
9	9.9	9.3	9.5	17.0	15.3	15.9	17.6	16.1	16.8	21.4	20.3	20.8
10	10.0	9.7	9.9	15.3	14.0	14.5	17.9	17.2	17.6	22.3	21.3	21.7
11	9.8	9.1	9.3	14.0	12.7	13.1	18.6	17.7	18.1	22.9	22.0	22.4
12	9.1	8.4	8.7	13.0	12.1	12.6	18.9	18.4	18.6	23.1	22.4	22.8
13	8.8	8.2	8.5	12.8	12.2	12.6	19.0	18.7	18.9	23.4	22.7	23.0
14	8.7	8.5	8.6	12.7	12.3	12.5	18.8	17.2	17.9	23.5	22.6	23.0
15	8.6	8.4	8.5	13.4	12.5	12.9	17.2	16.5	16.9	23.6	22.8	23.2
16	8.6	8.1	8.3	14.0	13.4	13.7	17.0	15.8	16.4	23.9	23.3	23.6
17	8.1	6.9	7.5	14.2	13.9	14.1	17.3	15.7	16.5	24.6	23.5	23.9
18	6.9	6.2	6.5	14.1	13.6	13.9	18.4	16.5	17.4	24.6	24.2	24.4
19	6.7	5.7	6.2	14.4	13.7	14.1	19.6	17.8	18.6	24.6	23.8	24.3
20	7.4	6.1	6.7	14.3	13.6	14.0	20.7	19.1	19.8	25.0	24.4	24.7
21	9.0	7.2	8.1	14.5	14.0	14.2	21.6	20.2	20.9	25.8	24.9	25.3
22	10.2	8.8	9.5	14.3	13.8	14.1	22.1	20.9	21.4	26.5	25.4	25.9
23	10.8	9.7	10.3	14.0	13.2	13.5	22.6	21.1	21.8	27.0	25.7	26.3
24	10.8	10.4	10.6	13.4	12.8	13.1	22.8	21.9	22.4	27.5	26.6	27.0
25	10.7	10.2	10.4	13.4	12.9	13.2	22.9	22.4	22.7	28.0	27.0	27.5
26	10.3	8.9	9.6	14.0	13.3	13.6	22.9	22.4	22.7	28.5	27.6	28.0
27	8.9	6.6	7.7	15.0	14.0	14.6	22.8	22.0	22.5	28.9	28.0	28.4
28	6.6	5.8	6.1	15.8	14.9	15.4	22.0	21.1	21.5	28.9	28.1	28.5
29	6.7	5.4	6.1	16.6	15.5	16.0	21.1	20.3	20.6	28.8	28.1	28.4
30	---	---	---	16.6	16.0	16.3	20.6	19.7	20.2	28.2	27.5	27.8
31	---	---	---	16.7	15.9	16.2	---	---	---	27.5	26.9	27.1
MONTH	---	---	---	18.4	6.3	14.0	22.9	14.2	18.4	28.9	18.1	23.6

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	26.9	26.4	26.6	26.8	26.2	26.4	29.4	28.9	29.1	25.3	24.9	25.1
2	27.2	26.3	26.7	26.2	25.7	26.0	29.1	28.7	29.0	24.9	24.4	24.6
3	27.9	26.7	27.2	26.1	25.7	25.9	28.7	28.2	28.5	24.4	24.0	24.2
4	27.8	27.3	27.5	26.6	25.5	26.0	28.4	27.5	28.0	24.3	23.8	24.1
5	27.6	27.0	27.3	27.6	26.4	26.9	29.2	28.1	28.6	24.5	23.9	24.2
6	27.2	26.7	27.0	28.5	27.5	28.0	28.8	28.0	28.5	24.4	24.1	24.3
7	27.1	26.5	26.8	29.4	28.4	28.8	28.0	26.2	26.8	24.4	24.2	24.3
8	26.9	26.4	26.6	29.8	29.2	29.4	26.2	25.1	25.5	24.9	24.2	24.5
9	26.5	25.9	26.1	29.7	29.1	29.3	25.2	24.4	24.8	25.4	24.6	25.0
10	26.6	25.7	26.1	29.9	29.0	29.3	24.8	24.2	24.6	25.6	25.2	25.4
11	27.6	26.5	27.0	29.9	29.0	29.3	25.3	24.6	24.9	25.4	24.8	25.0
12	27.7	27.2	27.5	29.4	28.6	28.9	25.6	24.9	25.2	24.8	24.3	24.6
13	27.2	25.9	26.4	29.5	28.8	29.1	25.3	24.3	24.9	24.5	23.9	24.2
14	25.9	25.3	25.6	30.0	29.1	29.4	24.3	23.3	23.8	24.0	23.3	23.6
15	26.0	25.3	25.6	30.3	29.5	29.8	23.3	22.4	22.7	23.4	23.0	23.2
16	26.0	25.4	25.8	30.3	29.4	29.8	22.6	22.2	22.4	23.5	23.1	23.3
17	26.1	25.8	25.9	29.8	28.6	29.2	22.8	22.2	22.5	24.1	23.4	23.7
18	27.4	26.1	26.5	28.6	28.1	28.4	23.1	22.5	22.8	24.1	23.7	23.9
19	28.0	27.0	27.5	28.4	27.8	28.1	23.6	22.9	23.2	23.7	22.8	23.3
20	27.7	27.0	27.3	28.4	27.6	27.9	24.3	23.5	23.8	22.8	21.9	22.2
21	27.2	26.4	26.9	28.6	27.8	28.2	24.9	24.2	24.6	21.9	21.0	21.3
22	27.4	26.5	27.0	28.6	28.1	28.3	25.2	24.9	25.0	21.2	20.6	20.9
23	27.6	26.8	27.2	28.8	28.4	28.6	25.5	25.0	25.3	21.1	20.5	20.9
24	27.6	27.4	27.5	29.4	28.4	28.9	25.5	24.9	25.2	21.5	20.8	21.2
25	27.8	27.1	27.5	29.3	28.7	29.0	25.2	24.7	25.0	22.1	21.3	21.6
26	27.7	27.5	27.6	29.3	28.7	29.0	25.0	24.6	24.8	22.1	21.9	22.0
27	27.5	27.0	27.2	29.4	28.7	29.0	24.8	24.5	24.7	22.8	22.1	22.4
28	27.1	26.7	27.0	29.2	28.8	29.0	25.2	24.5	24.8	23.1	22.8	22.9
29	27.1	26.6	26.9	29.1	28.7	28.9	25.3	24.9	25.1	23.5	23.0	23.2
30	27.0	26.7	26.8	29.3	28.5	28.9	25.4	25.0	25.3	23.6	23.3	23.5
31	---	---	---	29.5	28.7	29.0	25.5	25.0	25.3	---	---	---
MONTH	28.0	25.3	26.8	30.3	25.5	28.5	29.4	22.2	25.3	25.6	20.5	23.4

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.0	23.5	23.7	19.1	18.0	18.6	11.8	11.3	11.5	---	---	---
2	24.1	23.7	23.9	19.9	18.9	19.3	11.3	10.7	10.9	---	---	---
3	24.2	23.8	24.0	20.4	19.8	20.1	---	---	---	---	---	---
4	24.1	23.6	23.9	20.6	20.1	20.4	---	---	---	---	---	---
5	23.7	23.2	23.5	20.5	19.8	20.2	---	---	---	---	---	---
6	23.2	22.2	22.8	19.8	18.7	19.1	---	---	---	---	---	---
7	22.2	21.0	21.6	18.7	17.6	17.9	---	---	---	---	---	---
8	21.0	20.3	20.6	17.6	16.5	16.8	---	---	---	---	---	---
9	20.5	19.9	20.2	16.6	15.1	15.6	---	---	---	---	---	---
10	20.6	20.0	20.2	15.1	14.0	14.4	---	---	---	---	---	---
11	20.5	20.1	20.3	14.1	13.2	13.6	---	---	---	---	---	---
12	20.3	19.7	19.9	13.9	13.3	13.6	---	---	---	---	---	---
13	20.1	19.8	19.9	13.7	13.1	13.4	---	---	---	---	---	---
14	20.2	19.8	20.0	13.2	12.7	13.0	---	---	---	---	---	---
15	20.1	19.8	20.0	12.7	11.5	11.9	---	---	---	---	---	---
16	19.9	19.3	19.5	11.5	10.0	10.7	---	---	---	---	---	---
17	19.3	18.6	18.9	10.0	9.1	9.4	---	---	---	---	---	---
18	18.6	18.0	18.2	9.4	8.8	9.1	---	---	---	---	---	---
19	18.9	18.1	18.5	10.0	9.2	9.6	---	---	---	---	---	---
20	19.6	18.8	19.2	11.2	9.9	10.5	---	---	---	---	---	---
21	19.6	19.3	19.5	12.5	11.2	11.7	---	---	---	---	---	---
22	19.5	19.1	19.3	13.7	12.5	13.1	---	---	---	---	---	---
23	19.1	18.4	18.7	14.6	13.7	14.2	---	---	---	---	---	---
24	18.4	17.8	18.0	15.7	14.6	15.1	---	---	---	---	---	---
25	17.8	17.3	17.6	16.4	15.7	16.1	---	---	---	---	---	---
26	17.3	16.9	17.1	16.2	14.5	15.3	---	---	---	---	---	---
27	16.9	16.4	16.6	14.5	13.6	13.9	---	---	---	---	---	---
28	16.9	16.4	16.6	14.0	13.0	13.7	---	---	---	---	---	---
29	16.8	16.4	16.6	13.0	11.6	12.2	---	---	---	---	---	---
30	17.3	16.6	16.8	11.6	11.1	11.4	---	---	---	---	---	---
31	18.3	17.2	17.6	---	---	---	---	---	---	---	---	---
MONTH	24.2	16.4	19.8	20.6	8.8	14.5	---	---	---	---	---	---

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	7.6	7.3	7.4	---	---	---
2	---	---	---	---	---	---	8.0	7.4	7.7	---	---	---
3	---	---	---	---	---	---	8.8	7.9	8.4	---	---	---
4	---	---	---	5.7	5.3	5.5	9.2	8.6	8.9	---	---	---
5	---	---	---	5.4	5.0	5.2	9.2	8.9	9.1	---	---	---
6	---	---	---	5.1	4.6	4.9	9.3	9.0	9.1	8.7	8.2	8.4
7	---	---	---	4.7	4.4	4.6	9.4	9.0	9.2	8.2	8.1	8.2
8	---	---	---	4.7	4.4	4.6	9.5	9.1	9.4	8.7	8.2	8.5
9	---	---	---	5.2	4.6	4.8	9.7	9.3	9.5	9.4	8.7	9.0
10	---	---	---	5.8	5.0	5.4	9.8	9.2	9.6	10.4	9.4	9.8
11	---	---	---	6.2	5.6	5.9	9.4	8.0	8.7	11.1	10.4	10.8
12	---	---	---	6.7	6.1	6.4	8.2	7.2	7.6	11.6	11.1	11.3
13	---	---	---	---	---	---	7.7	7.2	7.4	11.7	11.5	11.6
14	---	---	---	6.6	6.3	6.4	8.2	7.4	7.9	11.7	11.6	11.6
15	---	---	---	6.7	6.4	6.5	8.4	7.9	8.1	11.7	11.4	11.6
16	---	---	---	7.2	6.6	6.9	8.4	8.0	8.1	11.4	11.0	11.2
17	---	---	---	7.4	7.0	7.3	8.3	8.0	8.2	11.1	10.9	11.0
18	---	---	---	7.5	7.1	7.3	8.3	7.9	8.1	11.0	10.7	10.9
19	---	---	---	7.2	6.8	7.0	8.3	8.0	8.1	10.8	10.5	10.6
20	---	---	---	---	---	---	8.6	8.1	8.3	10.7	10.5	10.6
21	---	---	---	6.6	6.2	6.4	9.1	8.4	8.7	11.0	10.6	10.9
22	---	---	---	6.7	6.4	6.6	9.5	8.9	9.2	---	---	---
23	---	---	---	7.0	6.6	6.8	9.7	9.3	9.6	---	---	---
24	---	---	---	7.2	6.7	6.9	9.7	9.2	9.5	11.8	11.6	11.7
25	---	---	---	---	---	---	9.4	8.7	9.0	---	---	---
26	---	---	---	6.9	6.6	6.7	8.9	8.4	8.7	---	---	---
27	---	---	---	---	---	---	9.0	8.4	8.7	11.8	11.5	11.7
28	---	---	---	7.0	6.7	6.9	9.6	8.8	9.3	11.9	11.7	11.8
29	---	---	---	7.3	6.9	7.1	9.8	9.4	9.7	12.2	11.8	12.0
30	---	---	---	7.5	7.2	7.4	9.8	9.3	9.6	12.2	12.0	12.1
31	---	---	---	---	---	---	9.6	9.0	9.3	12.1	12.0	12.0
MONTH	---	---	---	---	---	---	9.8	7.2	8.7	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	12.1	12.0	12.0	10.9	10.4	10.7	7.0	6.8	6.9	6.6	5.5	6.0
2	12.2	11.9	12.0	10.4	9.6	10.1	7.0	6.6	6.8	6.7	5.5	6.2
3	12.2	12.0	12.1	9.7	8.9	9.3	6.8	6.6	6.7	6.2	5.6	5.9
4	12.1	11.8	12.0	8.9	8.0	8.5	6.9	6.7	6.8	6.1	5.3	5.7
5	---	---	---	8.1	7.4	7.7	7.1	6.9	7.0	5.7	5.2	5.5
6	---	---	---	7.4	6.9	7.2	7.2	7.0	7.1	5.7	5.2	5.5
7	11.1	10.4	10.7	7.0	6.6	6.8	7.2	7.0	7.2	5.7	5.2	5.4
8	10.5	10.0	10.2	6.7	6.5	6.6	7.2	6.9	7.0	5.6	5.1	5.3
9	10.1	9.9	10	7.0	6.6	6.7	7.0	6.6	6.8	5.4	4.9	5.1
10	10.1	9.7	9.9	7.4	7.0	7.2	6.6	6.3	6.4	5.1	4.7	4.9
11	10.5	10.0	10.2	8.0	7.4	7.8	6.4	6.0	6.2	4.9	4.4	4.7
12	10.6	10.4	10.5	8.3	8.0	8.2	6.2	6.0	6.0	4.6	4.4	4.5
13	10.5	10.2	10.3	8.4	8.2	8.3	---	---	---	4.5	4.2	4.4
14	10.4	10.2	10.3	8.5	8.3	8.4	---	---	---	4.5	4.3	4.4
15	10.4	10.2	10.3	8.5	8.2	8.3	---	---	---	4.8	4.4	4.6
16	10.3	10.1	10.2	8.2	7.8	8.1	---	---	---	5.1	4.7	4.9
17	10.6	10.1	10.4	7.9	7.7	7.8	---	---	---	5.3	5.1	5.2
18	11.0	10.5	10.8	7.9	7.7	7.8	---	---	---	5.5	5.1	5.3
19	11.1	10.9	11.0	7.9	7.7	7.8	---	---	---	5.6	5.3	5.5
20	11.1	10.7	11.0	8.2	7.9	8.1	6.1	5.9	6.0	5.6	5.0	5.3
21	10.8	10.2	10.5	8.2	8.0	8.1	5.9	5.5	5.7	5.1	4.7	4.9
22	10.2	9.6	9.9	8.1	7.8	7.9	5.6	5.4	5.5	4.9	4.4	4.7
23	9.7	9.2	9.4	8.0	7.8	7.9	5.5	5.3	5.4	4.9	4.4	4.7
24	9.3	9.1	9.2	8.2	7.9	8.0	5.5	5.3	5.4	4.6	4.1	4.4
25	9.4	9.1	9.2	8.3	8.1	8.2	5.4	5.3	5.4	4.4	3.8	4.2
26	9.7	9.2	9.4	8.4	8.1	8.2	5.5	5.3	5.4	4.2	3.8	4.0
27	10.6	9.7	10.2	8.2	7.8	8.0	---	---	---	4.4	3.9	4.2
28	10.9	10.5	10.8	7.9	7.4	7.6	---	---	---	4.6	4.1	4.4
29	11.1	10.8	10.9	7.6	7.1	7.3	---	---	---	4.5	4.1	4.4
30	---	---	---	7.1	6.9	7.0	---	---	---	4.6	4.3	4.5
31	---	---	---	7.1	6.9	7.0	---	---	---	4.6	4.3	4.5
MONTH	---	---	---	10.9	6.5	8.0	---	---	---	6.7	3.8	4.9

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	4.6	4.2	4.5	5.8	5.5	5.6	5.0	4.7	4.8	5.2	4.6	4.8
2	4.6	4.2	4.4	5.6	5.3	5.5	4.8	4.5	4.7	5.0	4.6	4.8
3	4.5	4.1	4.4	5.9	5.6	5.7	5.1	4.6	4.8	4.8	4.5	4.6
4	4.7	4.0	4.3	5.9	5.7	5.8	5.1	4.7	4.9	4.8	4.6	4.7
5	4.8	4.5	4.6	5.8	5.6	5.7	4.8	4.4	4.6	4.7	4.6	4.7
6	4.8	4.5	4.7	5.6	5.3	5.4	4.8	4.7	4.8	4.8	4.6	4.7
7	5.0	4.7	4.9	5.3	4.9	5.1	5.2	4.8	5.1	5.0	4.7	4.8
8	5.2	5.0	5.1	4.9	4.7	4.8	5.5	5.2	5.4	4.9	4.8	4.9
9	5.2	5.0	5.1	4.8	4.6	4.7	5.7	5.4	5.6	5.2	4.8	5.0
10	5.7	4.8	5.1	4.8	4.5	4.7	5.8	5.6	5.7	5.0	4.6	4.8
11	5.2	4.9	5.0	5.0	4.6	4.8	5.6	5.3	5.5	4.8	4.5	4.6
12	5.1	4.8	5.0	4.9	4.7	4.8	5.4	5.1	5.2	4.8	4.5	4.7
13	5.3	5.0	5.1	4.7	4.2	4.5	5.8	5.1	5.6	4.8	4.6	4.7
14	5.5	5.0	5.3	4.6	4.3	4.4	5.9	5.6	5.7	5.0	4.6	4.8
15	5.9	5.2	5.6	4.6	4.0	4.3	5.9	5.3	5.6	5.0	4.7	4.9
16	6.0	5.6	5.8	4.2	4.0	4.1	5.3	4.8	5.1	4.9	4.6	4.8
17	5.8	5.5	5.6	4.9	4.0	4.4	4.8	4.3	4.6	4.8	4.5	4.7
18	5.6	5.4	5.5	4.9	4.4	4.6	4.4	4.1	4.2	4.9	4.5	4.7
19	5.6	5.4	5.5	4.6	4.2	4.4	4.2	3.7	3.9	5.1	4.7	4.9
20	5.5	5.4	5.4	4.4	3.9	4.2	3.7	3.4	3.5	5.5	4.9	5.3
21	5.6	5.4	5.5	4.3	3.9	4.1	3.5	3.3	3.4	5.9	5.3	5.7
22	5.6	5.4	5.5	4.1	3.5	3.9	3.4	3.1	3.2	6.3	5.8	6.1
23	5.5	5.3	5.4	4.2	3.4	3.8	3.1	2.9	3.0	6.4	6.0	6.2
24	5.5	5.3	5.4	4.3	3.5	4.0	3.1	2.9	3.0	6.2	6.0	6.1
25	5.4	5.1	5.3	4.8	4.2	4.4	3.2	3.0	3.1	6.1	5.8	5.9
26	5.3	5.0	5.1	4.8	4.3	4.6	3.8	3.2	3.5	5.8	5.6	5.7
27	5.4	5.1	5.3	4.7	4.4	4.5	4.2	3.7	3.9	5.6	5.4	5.5
28	5.6	5.3	5.5	4.7	4.2	4.4	4.7	4.2	4.5	5.4	5.2	5.4
29	5.8	5.5	5.7	4.8	4.3	4.5	5.0	4.5	4.8	5.3	5.1	5.2
30	5.7	5.2	5.6	5.0	4.5	4.7	5.2	4.8	5.0	5.2	5.0	5.1
31	---	---	---	5.0	4.6	4.8	5.2	4.7	5.0	---	---	---
MONTH	6.0	4.0	5.2	5.9	3.4	4.7	5.9	2.9	4.6	6.4	4.5	5.1

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	5.1	5.0	5.1	5.8	5.5	5.7	8.9	8.5	8.7	---	---	---
2	5.2	5.0	5.1	5.6	5.2	5.4	9.2	8.8	9.1	---	---	---
3	5.3	5.1	5.2	5.2	4.8	5.0	---	---	---	---	---	---
4	5.3	5.2	5.3	4.9	4.4	4.7	---	---	---	---	---	---
5	5.4	5.2	5.3	5.0	4.5	4.8	---	---	---	---	---	---
6	5.6	5.3	5.4	4.9	4.7	4.9	---	---	---	---	---	---
7	---	---	---	5.4	4.8	5.2	---	---	---	---	---	---
8	6.5	5.9	6.1	5.8	5.2	5.6	---	---	---	---	---	---
9	6.4	6.0	6.2	6.5	5.6	6.1	---	---	---	---	---	---
10	6.3	5.8	6.1	6.8	6.3	6.6	---	---	---	---	---	---
11	6.2	5.5	5.9	7.1	6.5	6.8	---	---	---	---	---	---
12	6.0	5.3	5.7	7.3	6.8	7.0	---	---	---	---	---	---
13	5.7	5.1	5.4	8.2	7.0	7.6	---	---	---	---	---	---
14	5.4	4.6	5.1	8.3	8.0	8.2	---	---	---	---	---	---
15	5.3	4.7	5.0	8.8	8.1	8.5	---	---	---	---	---	---
16	5.4	4.9	5.1	9.8	8.7	9.3	---	---	---	---	---	---
17	5.6	5.1	5.3	10.7	9.8	10.3	---	---	---	---	---	---
18	6.1	5.4	5.7	10.8	10.5	10.6	---	---	---	---	---	---
19	6.2	5.7	5.9	10.8	10.2	10.5	---	---	---	---	---	---
20	6.2	5.7	6.0	10.3	9.4	9.9	---	---	---	---	---	---
21	6.0	5.3	5.6	9.5	8.6	9.1	---	---	---	---	---	---
22	5.4	5.2	5.3	8.7	7.8	8.3	---	---	---	---	---	---
23	5.4	5.2	5.3	8.0	7.2	7.6	---	---	---	---	---	---
24	5.5	5.2	5.3	7.3	6.6	7.0	---	---	---	---	---	---
25	5.6	5.3	5.5	6.7	6.3	6.5	---	---	---	---	---	---
26	5.7	5.4	5.5	6.8	6.3	6.6	---	---	---	---	---	---
27	5.8	5.6	5.7	7.2	6.7	7.0	---	---	---	---	---	---
28	5.9	5.8	5.8	8.0	7.1	7.5	---	---	---	---	---	---
29	6.1	5.8	5.9	8.7	8.0	8.4	---	---	---	---	---	---
30	6.0	5.7	5.9	8.8	8.5	8.6	---	---	---	---	---	---
31	5.9	5.6	5.8	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	10.8	4.4	7.3	---	---	---	---	---	---

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	69	66	68	---	---	---
2	---	---	---	---	---	---	71	67	69	---	---	---
3	---	---	---	---	---	---	75	69	73	---	---	---
4	---	---	---	59	55	57	77	73	75	---	---	---
5	---	---	---	56	53	55	78	75	77	---	---	---
6	---	---	---	54	50	53	78	76	77	80	77	78
7	---	---	---	51	49	50	78	75	77	77	74	75
8	---	---	---	52	49	51	79	75	77	76	74	75
9	---	---	---	55	50	52	79	76	78	79	76	77
10	---	---	---	58	53	56	80	77	79	83	79	81
11	---	---	---	61	56	59	80	71	75	85	82	83
12	---	---	---	66	60	63	73	64	67	88	84	85
13	---	---	---	---	---	---	67	63	65	89	87	88
14	---	---	---	65	62	63	71	64	68	89	88	88
15	---	---	---	64	62	63	71	67	69	90	88	89
16	---	---	---	69	63	66	71	67	68	89	86	87
17	---	---	---	71	67	69	71	67	69	87	86	86
18	---	---	---	72	69	70	70	67	68	88	86	87
19	---	---	---	71	67	69	70	67	68	88	86	87
20	---	---	---	---	---	---	71	67	69	87	86	86
21	---	---	---	65	61	63	73	69	71	88	85	87
22	---	---	---	65	62	64	76	72	73	---	---	---
23	---	---	---	67	64	65	77	74	76	---	---	---
24	---	---	---	68	64	66	78	75	77	92	90	91
25	---	---	---	---	---	---	77	73	75	---	---	---
26	---	---	---	66	63	64	75	71	73	---	---	---
27	---	---	---	---	---	---	75	71	73	90	87	88
28	---	---	---	68	64	66	79	73	76	90	88	89
29	---	---	---	69	66	68	80	76	78	92	89	90
30	---	---	---	69	66	68	80	77	79	93	90	91
31	---	---	---	---	---	---	79	76	78	92	90	91
MONTH	---	---	---	---	---	---	80	63	73	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	92	90	91	90	87	88	72	70	71	72	60	66
2	94	89	91	88	86	87	71	66	69	73	61	67
3	94	92	93	87	84	85	68	65	67	68	62	65
4	95	92	94	84	79	82	69	66	68	67	57	62
5	---	---	---	80	76	78	71	68	69	61	56	59
6	---	---	---	76	73	75	71	69	70	62	56	58
7	95	92	93	74	70	72	72	70	71	61	57	59
8	93	89	90	71	68	69	72	70	71	61	57	59
9	89	86	88	70	67	68	72	69	70	60	56	57
10	89	86	87	72	69	71	69	66	68	59	54	56
11	91	87	89	76	72	74	68	64	65	56	51	54
12	91	89	90	79	76	78	66	64	65	54	51	52
13	90	88	89	79	77	78	---	---	---	53	49	51
14	89	87	88	80	78	79	---	---	---	53	50	51
15	89	87	88	80	78	79	---	---	---	57	52	55
16	88	86	87	79	76	78	---	---	---	61	56	58
17	88	85	87	77	75	76	---	---	---	64	60	62
18	89	86	88	76	75	75	---	---	---	66	61	64
19	91	88	89	78	75	76	---	---	---	67	63	66
20	91	89	90	80	77	78	68	65	66	67	61	64
21	90	88	89	80	78	79	66	62	64	62	58	60
22	88	85	87	79	76	77	63	61	62	60	55	58
23	86	83	84	77	75	76	63	60	62	61	55	58
24	84	82	83	79	76	77	64	61	62	58	52	56
25	84	81	83	80	77	78	63	61	62	56	49	54
26	84	81	83	81	79	80	64	61	63	54	48	52
27	87	83	85	80	77	78	---	---	---	57	50	54
28	88	86	87	78	75	77	---	---	---	60	53	57
29	89	86	88	77	72	74	---	---	---	58	53	57
30	---	---	---	73	70	71	---	---	---	59	55	57
31	---	---	---	72	70	71	---	---	---	58	54	57
MONTH	---	---	---	90	67	77	---	---	---	73	48	58

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	58	52	56	72	68	70	65	61	63	63	56	59
2	58	52	56	70	65	68	63	59	61	60	55	58
3	57	52	55	73	69	71	66	59	63	58	54	55
4	60	51	55	73	71	72	66	60	63	57	55	56
5	61	57	59	73	70	71	63	57	60	57	55	56
6	61	57	59	71	68	69	62	61	62	58	55	56
7	63	59	61	69	64	66	65	61	63	60	56	58
8	65	62	64	64	62	63	67	64	66	59	57	59
9	65	62	64	63	60	62	69	66	68	63	59	61
10	70	59	63	64	59	61	70	68	69	61	56	59
11	65	61	63	66	60	63	68	64	67	58	54	56
12	65	61	63	64	61	63	66	62	64	58	54	56
13	66	62	64	61	55	59	70	62	68	58	55	57
14	68	62	65	61	56	59	70	66	68	59	55	57
15	73	64	69	61	53	57	69	61	66	59	55	57
16	74	69	71	56	53	55	61	55	59	58	54	56
17	72	68	69	64	53	57	55	50	53	57	53	55
18	71	67	69	63	57	60	51	48	49	58	54	56
19	72	69	70	59	54	56	49	44	46	60	56	58
20	70	68	69	57	50	54	44	41	42	63	57	61
21	71	67	68	56	50	52	42	40	41	67	61	64
22	71	67	69	53	45	50	41	38	39	71	65	68
23	70	67	69	54	44	50	38	35	37	72	68	70
24	70	67	68	56	45	52	38	35	37	70	68	69
25	68	65	67	63	55	58	39	36	37	69	66	68
26	67	64	65	62	56	60	46	39	42	67	64	65
27	68	65	67	62	57	59	51	45	48	65	62	64
28	71	67	69	62	55	58	57	51	55	63	61	63
29	73	69	72	63	56	59	61	55	58	62	60	61
30	72	65	70	66	58	61	64	59	61	61	59	60
31	---	---	---	66	60	62	64	57	61	---	---	---
MONTH	74	51	65	73	44	61	70	35	56	72	53	60

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	61	59	60	63	59	61	82	78	80	---	---	---
2	62	59	61	61	57	58	84	81	82	---	---	---
3	63	61	62	57	53	56	---	---	---	---	---	---
4	63	62	63	54	49	52	---	---	---	---	---	---
5	64	61	63	56	50	53	---	---	---	---	---	---
6	65	62	63	54	52	53	---	---	---	---	---	---
7	---	---	---	57	51	55	---	---	---	---	---	---
8	72	66	68	60	55	58	---	---	---	---	---	---
9	71	66	68	65	57	61	---	---	---	---	---	---
10	70	64	67	67	62	65	---	---	---	---	---	---
11	69	61	65	68	63	66	---	---	---	---	---	---
12	67	58	63	71	65	68	---	---	---	---	---	---
13	63	56	59	78	68	73	---	---	---	---	---	---
14	60	51	56	79	76	78	---	---	---	---	---	---
15	58	52	55	81	77	79	---	---	---	---	---	---
16	59	53	56	87	80	84	---	---	---	---	---	---
17	60	55	57	93	87	90	---	---	---	---	---	---
18	65	58	61	94	91	92	---	---	---	---	---	---
19	66	61	64	94	90	92	---	---	---	---	---	---
20	67	62	65	91	86	89	---	---	---	---	---	---
21	65	58	61	87	81	84	---	---	---	---	---	---
22	59	56	58	82	75	79	---	---	---	---	---	---
23	58	56	57	77	71	74	---	---	---	---	---	---
24	58	55	56	72	66	69	---	---	---	---	---	---
25	58	56	57	68	65	67	---	---	---	---	---	---
26	59	56	57	68	63	66	---	---	---	---	---	---
27	60	58	59	70	66	68	---	---	---	---	---	---
28	61	59	60	76	69	72	---	---	---	---	---	---
29	63	60	61	80	76	78	---	---	---	---	---	---
30	62	59	61	81	78	79	---	---	---	---	---	---
31	62	59	61	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	94	49	71	---	---	---	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC

LOCATION.--Lat 34°15'32", long 77°56'54", New Hanover County, Hydrologic Unit 03030005, at railroad bridge, 1.25 mi upstream of mouth, 2 mi northwest of Wilmington.

DRAINAGE AREA.--1,669 mi^2

PERIOD OF RECORD.--September 2003 to December 2004 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE (TOP AND BOTTOM): September 2003 to December 2004.
SALINITY (TOP AND BOTTOM): September 2003 to December 2004.
pH (TOP AND BOTTOM): September 2003 to December 2004.
WATER TEMPERATURE (TOP AND BOTTOM): September 2003 to December 2004.
DISSOLVED OXYGEN (TOP AND BOTTOM) : September 2003 to December 2004.
DISSOLVED OXYGEN, PERCENT SATURATION (TOP AND BOTTOM): September 2003 to December 2004.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from September 2003 to December 2004.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources. Salinity and dissolved oxygen, percent saturation are computed. The salinity is computed from specific conductance using the conversion from U.S. Geological Survey Water Supply Paper 2311. The dissolved oxygen, percent saturation is computed using a barometric pressure of 760 mm of Hg.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE (TOP), microsiemens	31,500, March 30, 2004	60, on several days during the period
SPEICIFC CONDUCTANCE (BOTTOM), microsiemens	35,100, October 8, 2004	70, August 21, 22, September 19, 2004
SALINITY (TOP), ppt	19.6, March 30, 2004	0.02, on several days during the period
SALINITY (BOTTOM), ppt	22.1, October 8, 2004	0.03, on many days during the period
pH (TOP), standard units	7.8, March 30, 2004	5.5, on several days during the period
pH (BOTTOM), standard units	7.8, September 18, 2003, February 3, March 29, 30, 2004	5.6, August 25, 2004
WATER TEMPERATURE (TOP), °C	30.5, July 7, 20, 21, 2004	4.9, February 2, 2004
WATER TEMPERATURE (BOTTOM), °C	30.3, August 4, 2004	5.2, February 2, 2004
DISSOLVED OXYGEN (TOP), mg/L	11.5, February 7, 8, 2004	2.7, July 26, 2004
DISSOLVED OXYGEN (BOTTOM), mg/L	11.4, February 8, 2004	2.4, July 25, 26, 2004
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	97, February 7, 8, 2004	35, November 7, 2003, July 26, 2004
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	96, February 7, 8, 2004	31, July 25, 2004

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	17,300	8,780	12,600
12	---	---	---	---	---	---	---	---	---	18,800	9,470	13,000
13	---	---	---	---	---	---	---	---	---	16,900	8,420	11,600
14	---	---	---	---	---	---	---	---	---	15,200	7,370	10,900
15	---	---	---	---	---	---	---	---	---	14,400	6,740	10,400
16	---	---	---	---	---	---	---	---	---	16,500	6,540	11,000
17	---	---	---	---	---	---	---	---	---	23,400	7,090	14,300
18	---	---	---	---	---	---	---	---	---	26,100	6,050	17,500
19	---	---	---	---	---	---	---	---	---	22,500	14,000	18,200
20	---	---	---	---	---	---	---	---	---	19,700	8,140	14,000
21	---	---	---	---	---	---	---	---	---	18,200	9,870	14,200
22	---	---	---	---	---	---	---	---	---	17,900	9,000	13,500
23	---	---	---	---	---	---	---	---	---	14,000	7,410	11,400
24	---	---	---	---	---	---	---	---	---	12,500	5,740	9,660
25	---	---	---	---	---	---	---	---	---	11,400	4,910	8,410
26	---	---	---	---	---	---	---	---	---	9,960	4,430	6,890
27	---	---	---	---	---	---	---	---	---	7,360	3,230	5,100
28	---	---	---	---	---	---	---	---	---	5,670	2,290	3,760
29	---	---	---	---	---	---	---	---	---	3,700	1,160	2,540
30	---	---	---	---	---	---	---	---	---	2,100	1,100	1,550
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	3,780	680	1,510	1,610	70	353	7,590	230	4,010	6,080	100	2,180
2	8,930	540	2,520	1,700	70	357	10,400	170	3,890	8,860	130	3,640
3	---	---	---	3,060	60	642	12,900	1,010	6,980	10,200	220	4,730
4	14,400	4,020	8,850	3,070	60	752	16,400	2,840	9,650	10,300	330	5,070
5	13,400	850	8,070	1,850	60	426	18,300	7,600	12,700	10,200	390	5,320
6	13,400	2,910	8,710	1,250	60	300	17,000	4,510	10,800	8,010	260	3,610
7	13,600	5,740	9,720	730	60	193	18,700	3,290	10,900	12,100	240	5,600
8	13,400	5,900	9,440	1,400	60	344	17,400	5,400	11,600	13,200	1,200	7,790
9	10,300	420	4,950	4,810	60	860	17,100	5,200	10,800	15,300	1,990	8,370
10	---	---	---	11,700	70	2,970	16,600	3,080	10,400	15,800	800	7,900
11	9,080	160	2,950	10,800	90	2,960	13,900	510	6,550	19,100	2,730	11,400
12	10,000	170	3,830	7,230	80	2,400	6,710	120	1,910	17,200	6,030	11,700
13	9,830	180	3,950	4,650	80	1,170	4,780	120	1,560	14,100	2,840	8,550
14	10,000	160	4,220	6,380	80	1,920	8,160	130	2,650	13,300	4,120	8,790
15	9,750	130	2,560	11,100	190	3,770	3,270	100	373	15,400	2,220	9,080
16	7,890	120	2,300	10,700	270	4,530	1,730	80	297	15,000	3,110	9,360
17	8,160	150	2,540	12,000	350	5,570	810	70	173	15,500	2,630	10,100
18	12,200	170	3,780	15,000	1,380	8,460	110	70	85	17,300	4,220	11,100
19	17,500	1,590	8,910	15,200	4,340	11,000	100	70	82	12,900	2,750	8,490
20	15,500	410	8,690	12,500	600	6,080	90	70	81	15,400	2,330	9,170
21	18,300	2,960	10,000	13,900	1,990	8,200	90	70	82	17,000	3,540	10,500
22	16,200	1,190	10,000	12,200	2,040	6,390	90	70	83	14,900	3,940	9,910
23	16,900	3,720	11,000	9,980	200	4,210	100	70	87	12,500	2,010	7,910
24	16,200	6,750	11,300	8,340	130	3,430	110	70	92	13,300	3,770	8,310
25	15,200	5,000	9,990	6,790	130	2,770	100	80	89	13,600	1,870	8,330
26	13,600	2,790	8,400	9,770	140	3,880	100	80	90	17,800	4,750	10,900
27	14,300	2,040	8,210	11,000	350	5,200	360	80	114	17,200	3,440	9,200
28	14,300	2,370	8,320	10,600	270	5,120	1,990	80	422	15,400	350	5,770
29	12,000	840	5,780	5,410	110	1,870	3,260	90	876	13,400	660	6,250
30	5,480	120	1,430	9,200	240	3,980	4,970	90	1,020	10,800	490	5,870
31	1,890	80	356	---	---	---	4,070	90	1,570	13,800	360	6,420
MONTH	---	---	---	15,200	60	3,340	18,700	70	3,550	19,100	100	7,780
		FEBRUARY			MARCH			APRIL			MAY	
1	15,300	1,700	7,680	5,050	80	803	24,300	14,200	18,800	19,000	10,100	14,500
2	21,100	2,320	10,800	2,180	80	530	22,400	12,000	16,700	14,500	1,860	9,250
3	20,000	5,090	13,100	1,860	80	427	20,700	10,500	16,100	10,500	171	4,530
4	16,700	890	8,050	1,590	80	489	19,600	11,500	16,000	5,380	128	1,220
5	16,500	1,590	8,560	620	80	174	18,700	8,630	14,100	4,290	140	1,270
6	13,800	3,850	9,150	130	80	103	18,500	10,600	14,300	2,520	120	508
7	9,690	1,860	5,350	110	80	95	18,200	8,670	13,200	320	120	156
8	5,300	140	2,440	110	80	97	16,400	9,590	12,500	150	100	129
9	4,650	220	2,320	320	90	110	16,200	9,130	12,200	130	90	117
10	4,150	230	1,850	5,490	90	546	17,200	8,850	13,100	120	90	109
11	3,320	180	1,470	7,820	200	3,640	16,800	5,900	11,000	130	90	105
12	2,820	160	1,310	9,270	220	4,220	13,300	6,500	10,100	120	90	102
13	3,590	130	1,340	6,370	150	2,760	12,000	4,610	8,380	270	80	114
14	4,950	110	1,480	6,520	150	2,610	---	---	---	720	90	242
15	4,720	110	1,310	5,920	150	2,900	---	---	---	1,950	90	513
16	4,360	110	1,450	8,170	180	4,180	10,400	431	4,550	3,910	100	1,110
17	6,750	110	2,600	8,200	640	4,340	6,640	212	2,990	5,510	140	1,910
18	7,420	110	2,200	9,020	680	4,910	4,450	172	1,120	7,290	260	3,000
19	4,830	100	1,600	6,880	990	4,020	1,650	142	359	8,530	940	4,350
20	1,490	100	450	6,590	1,250	3,780	437	143	192	9,240	690	4,750
21	290	90	132	5,650	1,430	3,020	214	143	171	9,490	970	5,180
22	120	90	99	5,750	220	1,900	277	123	169	10,700	3,220	6,920
23	110	90	98	6,220	450	2,700	421	124	203	11,200	4,390	7,720
24	660	90	109	6,150	160	2,300	1,040	134	333	12,700	4,970	8,120
25	2,740	90	726	4,710	170	2,070	4,520	176	1,750	11,900	5,240	8,280
26	7,240	90	1,690	5,180	200	2,200	7,560	1,460	4,430	12,700	5,830	8,530
27	17,900	310	5,980	8,050	1,040	3,970	12,400	1,660	5,570	12,300	5,670	9,290
28	18,300	230	5,170	10,900	2,620	5,860	22,200	3,670	9,790	14,500	8,410	11,700
29	9,620	90	1,770	24,900	4,760	14,700	18,800	8,380	14,000	15,900	7,630	12,000
30	---	---	---	31,500	11,400	20,400	19,000	6,610	13,600	18,200	11,100	14,600
31	---	---	---	29,100	16,100	21,700	---	---	---	19,100	10,800	15,200
MONTH	21,100	90	3,460	31,500	80	3,920	---	---	---	19,100	80	5,020

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18,600	9,530	14,500	18,300	8,060	13,700	21,100	12,200	16,500	530	110	201
2	19,000	11,200	14,900	17,800	5,250	12,100	20,300	10,100	15,400	170	110	141
3	18,800	10,100	14,700	16,300	6,370	11,400	18,600	10,200	14,000	140	110	126
4	18,900	11,800	15,000	16,800	6,200	11,500	18,800	10,400	14,000	130	110	117
5	19,900	10,700	15,000	18,300	6,240	11,800	19,000	10,800	14,100	320	100	134
6	20,400	12,900	16,400	16,800	6,270	11,400	17,400	5,370	11,300	1,820	110	496
7	21,300	12,700	16,600	17,400	8,540	13,100	22,200	7,770	14,000	5,610	100	1,350
8	19,300	11,300	15,400	18,200	8,920	13,600	21,800	6,180	13,900	3,750	90	1,210
9	18,900	10,900	14,400	18,200	8,440	13,500	21,700	2,160	10,900	1,000	90	180
10	19,200	9,680	14,400	17,400	6,720	12,400	21,300	3,890	11,600	710	90	158
11	19,600	8,840	14,300	18,400	6,290	12,600	19,900	5,850	13,400	360	90	120
12	18,000	5,270	13,100	20,300	5,810	13,200	18,200	5,100	12,800	1,030	80	194
13	20,400	10,800	15,100	20,000	7,940	14,900	16,200	330	8,890	680	80	184
14	19,300	8,250	14,500	20,700	7,650	15,200	9,520	330	4,980	420	80	122
15	17,200	6,950	13,200	20,800	9,140	15,500	8,790	110	1,510	110	80	91
16	16,000	4,540	11,200	20,800	8,330	15,400	2,790	100	420	100	80	91
17	16,200	5,320	11,100	21,500	10,900	16,200	550	90	145	110	80	96
18	16,800	7,690	12,200	21,300	7,510	14,900	130	90	111	100	80	90
19	19,500	9,300	13,500	20,600	7,980	14,600	120	80	99	100	80	90
20	20,000	8,780	15,000	19,100	8,380	14,400	111	70	88	8,950	80	1,270
21	22,400	12,200	17,300	20,800	9,490	15,500	101	71	83	16,400	90	4,790
22	22,600	10,800	17,000	22,400	10,000	16,700	92	71	81	10,700	110	4,870
23	19,500	8,720	14,100	22,100	12,500	17,700	92	71	84	8,450	79	2,750
24	19,600	5,490	12,300	21,500	8,420	15,600	113	72	93	9,350	99	3,170
25	19,200	7,920	14,600	21,100	4,120	14,000	860	80	179	9,760	176	4,330
26	18,900	10,800	15,600	23,200	6,980	16,000	4,930	90	977	11,400	302	5,140
27	21,100	9,880	15,300	23,400	9,690	17,800	5,400	90	1,480	11,900	1,790	6,630
28	20,300	8,580	15,400	21,900	8,120	17,100	5,750	100	1,920	11,300	5,060	7,160
29	19,400	6,880	14,000	20,100	4,920	14,200	6,340	280	2,610	7,090	300	3,510
30	19,100	8,550	14,500	20,600	6,240	13,700	6,560	140	2,240	7,420	260	3,500
31	---	---	---	21,300	10,400	15,900	2,080	110	512	---	---	---
MONTH	22,600	4,540	14,500	23,400	4,120	14,400	22,200	70	6,080	16,400	79	1,740

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	9,000	1,980	4,910	19,600	8,740	14,700	11,000	2,170	6,140	---	---	---
2	7,670	2,330	4,400	21,200	11,200	16,400	---	---	---	---	---	---
3	5,260	630	2,900	22,300	12,400	16,400	---	---	---	---	---	---
4	6,330	780	2,810	23,800	14,000	18,700	---	---	---	---	---	---
5	8,130	500	2,970	25,400	9,820	17,600	---	---	---	---	---	---
6	15,200	520	4,740	24,300	16,700	21,000	---	---	---	---	---	---
7	19,000	3,260	8,550	24,500	15,600	20,000	---	---	---	---	---	---
8	25,500	7,560	13,200	22,700	13,300	19,200	---	---	---	---	---	---
9	---	---	---	24,900	14,600	20,400	---	---	---	---	---	---
10	---	---	---	26,600	17,600	22,100	---	---	---	---	---	---
11	23,600	14,200	19,600	26,000	17,800	22,300	---	---	---	---	---	---
12	23,100	17,500	20,300	26,000	18,300	22,400	---	---	---	---	---	---
13	22,200	18,200	20,000	23,200	13,700	19,300	---	---	---	---	---	---
14	---	---	---	24,200	11,400	18,800	---	---	---	---	---	---
15	---	---	---	25,300	14,400	19,900	---	---	---	---	---	---
16	18,800	12,000	15,400	23,600	14,200	19,100	---	---	---	---	---	---
17	16,300	8,270	12,700	21,300	11,500	16,500	---	---	---	---	---	---
18	17,000	7,460	11,900	18,800	9,020	13,600	---	---	---	---	---	---
19	15,600	6,550	11,400	14,900	7,530	11,400	---	---	---	---	---	---
20	16,600	4,230	10,600	13,200	6,220	9,950	---	---	---	---	---	---
21	20,300	7,810	13,400	12,400	4,610	8,900	---	---	---	---	---	---
22	24,300	13,700	18,100	14,700	4,650	10,100	---	---	---	---	---	---
23	26,000	17,400	21,000	15,000	7,260	11,100	---	---	---	---	---	---
24	25,500	19,700	22,200	15,700	5,990	11,000	---	---	---	---	---	---
25	24,400	18,900	21,500	14,400	7,230	9,630	---	---	---	---	---	---
26	23,000	17,700	20,200	11,600	770	6,730	---	---	---	---	---	---
27	22,600	16,600	19,200	14,000	2,020	8,430	---	---	---	---	---	---
28	22,100	14,600	18,000	12,200	2,170	7,510	---	---	---	---	---	---
29	22,100	13,700	17,700	11,700	280	5,090	---	---	---	---	---	---
30	22,400	13,600	17,500	12,100	1,320	6,870	---	---	---	---	---	---
31	20,100	11,700	16,000	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	26,600	280	14,800	---	---	---	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	19,300	10,300	14,000
12	---	---	---	---	---	---	---	---	---	21,600	10,500	14,800
13	---	---	---	---	---	---	---	---	---	19,700	8,720	13,200
14	---	---	---	---	---	---	---	---	---	16,400	7,490	11,800
15	---	---	---	---	---	---	---	---	---	17,400	7,030	11,800
16	---	---	---	---	---	---	---	---	---	21,400	6,860	13,600
17	---	---	---	---	---	---	---	---	---	28,000	8,230	17,800
18	---	---	---	---	---	---	---	---	---	34,200	7,700	23,600
19	---	---	---	---	---	---	---	---	---	27,400	14,100	20,700
20	---	---	---	---	---	---	---	---	---	23,000	9,440	16,800
21	---	---	---	---	---	---	---	---	---	23,200	11,000	16,600
22	---	---	---	---	---	---	---	---	---	23,800	12,700	16,100
23	---	---	---	---	---	---	---	---	---	18,300	9,500	13,400
24	---	---	---	---	---	---	---	---	---	14,600	7,280	10,600
25	---	---	---	---	---	---	---	---	---	12,900	6,750	9,080
26	---	---	---	---	---	---	---	---	---	12,100	4,970	7,390
27	---	---	---	---	---	---	---	---	---	8,650	3,440	5,360
28	---	---	---	---	---	---	---	---	---	6,190	2,410	3,910
29	---	---	---	---	---	---	---	---	---	4,020	1,370	2,620
30	---	---	---	---	---	---	---	---	---	2,250	1,160	1,580
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	4,880	680	1,630	2,950	90	465	11,400	260	5,920	11,000	100	4,060
2	11,400	540	3,170	2,050	90	476	15,700	210	6,450	15,100	140	6,580
3	---	---	---	4,950	80	960	16,600	1,630	10,100	19,100	240	8,680
4	18,700	4,560	11,000	4,610	80	1,130	21,000	3,910	13,200	18,200	450	8,520
5	16,000	1,400	9,880	3,280	80	606	23,900	9,080	16,100	14,900	560	7,030
6	15,200	3,770	10,200	1,530	80	383	21,400	5,780	14,400	11,400	320	5,450
7	14,800	6,580	10,700	820	80	239	20,800	4,730	14,000	15,900	300	8,210
8	14,700	6,560	10,300	1,750	80	449	19,500	6,750	13,800	18,200	1,720	10,400
9	11,300	480	6,020	9,700	80	1,840	19,100	6,130	12,700	17,300	2,640	10,300
10	---	---	---	16,400	90	5,370	18,500	4,000	12,200	22,000	850	10,900
11	11,500	150	4,310	15,500	120	5,460	15,500	830	8,260	24,800	4,120	15,400
12	13,200	170	5,480	12,200	100	4,180	10,700	130	3,440	23,100	6,950	15,000
13	12,500	180	5,570	8,560	100	2,390	10,400	130	3,110	19,100	3,370	11,700
14	16,000	160	6,350	13,200	100	4,080	17,600	140	6,130	16,600	4,900	11,400
15	12,200	120	4,220	15,200	230	7,040	7,330	100	1,160	17,200	2,650	11,200
16	14,300	110	4,650	18,700	340	8,810	3,110	90	526	19,400	3,810	12,400
17	18,000	150	5,880	19,100	760	9,840	1,060	80	205	18,900	3,200	12,600
18	24,200	180	9,450	19,600	2,790	12,100	110	80	91	18,300	4,850	12,800
19	28,300	3,120	16,300	16,900	4,660	12,700	110	80	88	14,900	2,930	9,860
20	24,800	1,320	13,900	14,500	680	7,860	100	80	86	16,800	3,030	10,800
21	22,600	4,250	14,100	15,400	2,870	9,400	100	80	88	18,400	3,720	11,800
22	18,600	1,840	12,400	13,500	2,660	7,250	100	80	90	16,600	4,050	10,900
23	17,300	4,910	12,300	11,500	230	4,820	110	80	93	13,900	2,510	8,890
24	17,400	7,190	12,200	9,420	150	3,870	120	80	99	15,400	4,350	9,810
25	16,500	5,800	10,800	8,160	140	3,130	110	80	94	16,200	2,340	9,940
26	15,000	3,120	9,010	12,000	150	4,690	110	80	95	22,500	5,530	13,900
27	15,100	2,580	8,910	13,900	410	6,360	390	90	124	22,800	4,340	13,700
28	16,100	2,770	9,050	12,800	340	6,230	2,560	90	531	22,300	650	10,900
29	13,600	990	6,740	7,990	120	2,720	4,230	90	1,200	20,500	1,610	11,100
30	7,530	110	2,020	12,300	270	5,500	5,690	90	1,650	18,900	690	10,000
31	2,110	100	440	---	---	---	7,260	90	2,690	21,400	690	11,200
MONTH	---	---	---	19,600	80	4,680	23,900	80	4,800	24,800	100	10,500
		FEBRUARY			MARCH			APRIL			MAY	
1	22,500	3,120	13,400	10,400	100	2,370	27,200	16,000	21,900	21,600	3,360	14,300
2	26,100	4,290	16,800	6,100	100	1,140	24,800	13,500	19,300	14,800	1,350	9,190
3	28,900	7,410	17,800	3,330	90	685	21,900	12,400	17,800	10,500	154	4,850
4	23,500	1,480	13,000	2,130	90	648	20,700	11,800	17,000	5,090	115	1,440
5	19,400	2,730	12,100	680	90	207	19,600	8,720	15,100	4,310	115	1,230
6	17,800	4,530	11,200	150	100	121	19,300	10,900	15,100	2,440	100	463
7	12,700	2,380	7,020	120	100	112	18,900	8,790	13,900	293	103	137
8	8,400	160	3,010	120	100	115	18,100	9,620	13,200	135	85	112
9	5,910	240	2,770	430	110	130	17,400	9,360	13,100	118	87	105
10	5,220	250	2,240	6,720	110	756	19,200	9,600	14,000	111	78	99
11	4,320	210	1,790	12,100	300	5,250	17,700	5,970	12,000	123	78	96
12	3,480	180	1,510	12,000	300	5,300	15,900	7,320	11,200	116	80	96
13	5,270	150	1,950	8,200	150	3,580	13,400	6,600	9,070	300	80	114
14	7,240	130	2,220	7,250	150	3,490	9,360	1,860	5,040	740	90	256
15	6,430	130	1,950	9,630	170	4,010	11,100	270	4,370	2,110	90	578
16	9,560	130	2,530	10,000	190	5,230	12,800	459	5,940	4,600	100	1,310
17	11,700	130	4,090	9,400	900	5,190	8,620	219	3,730	7,200	130	2,320
18	9,700	120	3,100	10,800	830	5,730	4,180	169	1,240	8,680	260	3,520
19	5,760	120	1,940	8,670	1,140	4,720	1,610	138	362	11,800	1,260	5,230
20	1,740	120	506	7,700	1,340	4,230	435	138	188	11,800	690	6,030
21	330	110	151	5,880	1,510	3,340	207	138	166	11,900	1,050	6,830
22	140	100	116	7,260	220	2,240	295	118	164	14,100	3,710	8,760
23	120	100	115	7,390	460	3,380	413	118	200	15,200	4,750	9,480
24	890	100	134	7,940	160	3,070	1,560	127	382	14,700	5,560	9,940
25	5,710	110	1,280	6,190	170	2,840	7,470	166	2,520	15,400	5,720	10,400
26	15,900	110	4,500	7,460	200	3,320	14,000	1,510	6,560	16,400	6,530	11,500
27	27,100	490	13,000	12,000	1,550	6,110	19,900	1,680	9,200	18,700	7,210	13,100
28	28,400	430	11,500	17,700	3,680	10,700	25,200	3,870	14,500	20,000	10,400	14,900
29	23,400	100	6,320	31,800	12,900	22,100	26,800	9,260	17,100	20,300	8,420	14,700
30	---	---	---	34,500	19,100	27,400	25,400	3,910	15,200	20,900	12,000	16,300
31	---	---	---	34,300	19,400	26,400	---	---	---	20,500	11,400	16,400
MONTH	28,900	100	5,450	34,500	90	5,290	27,200	118	9,320	21,600	78	5,930

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19,300	11,100	15,600	19,100	8,940	14,600	22,500	12,500	17,200	550	110	203
2	20,000	11,800	15,600	18,700	6,130	13,100	21,800	12,400	16,200	170	110	141
3	19,900	10,700	15,500	17,300	6,570	12,200	20,300	11,000	15,300	140	110	126
4	20,300	12,200	15,900	18,200	6,430	12,400	21,000	10,800	15,400	130	100	117
5	21,300	11,500	16,200	19,400	6,170	12,700	20,400	11,300	15,100	480	100	137
6	22,400	14,200	17,700	18,100	6,180	12,500	20,400	6,080	13,600	8,540	110	1,120
7	23,600	13,600	18,100	20,100	8,620	14,400	28,500	9,120	18,700	16,500	100	3,280
8	21,600	11,900	16,900	20,100	9,630	15,100	27,100	8,480	18,600	8,460	90	2,210
9	20,300	11,600	15,800	21,000	9,610	15,300	26,400	3,920	16,300	980	90	192
10	21,600	10,900	16,300	22,500	7,870	15,500	26,900	6,330	17,400	770	80	169
11	20,600	9,820	15,900	25,000	7,580	16,300	23,700	7,940	17,200	380	80	120
12	20,600	6,100	15,200	26,500	7,840	17,400	23,500	6,810	16,300	1,230	80	214
13	22,800	11,900	17,400	26,400	10,000	18,300	20,400	390	12,500	690	80	202
14	21,800	9,470	16,700	24,000	9,920	17,900	16,800	390	7,900	470	80	122
15	20,700	8,390	15,500	24,500	11,100	18,000	10,800	120	2,610	110	80	90
16	18,500	5,820	13,200	22,800	9,480	17,600	4,450	100	518	100	80	89
17	18,900	6,640	13,100	23,800	12,500	18,000	610	90	146	110	80	95
18	20,300	8,770	14,000	24,300	8,810	17,100	130	90	114	100	80	89
19	22,700	10,600	15,700	22,400	9,610	16,900	130	80	103	100	70	86
20	25,900	10,500	18,200	22,800	9,930	17,000	120	80	92	17,700	80	2,560
21	27,500	13,800	20,800	23,400	11,100	18,100	100	70	88	23,300	90	8,460
22	27,300	13,000	20,200	24,100	12,000	18,800	100	70	85	18,300	130	7,800
23	24,400	10,700	17,600	24,500	14,000	19,500	100	80	89	11,000	90	4,260
24	22,300	7,460	15,900	23,600	10,200	18,300	110	80	94	12,000	110	4,200
25	24,000	9,580	17,600	24,900	5,460	17,400	900	80	192	13,500	200	5,480
26	23,300	11,900	17,700	25,400	8,960	19,000	6,920	90	1,280	14,000	330	6,440
27	23,200	11,200	17,800	24,400	10,900	19,400	6,850	90	1,760	13,600	2,480	7,710
28	23,400	9,860	17,600	22,900	9,550	18,300	7,420	110	2,250	12,700	5,570	7,850
29	21,300	8,030	16,000	21,000	6,060	15,900	7,550	260	2,940	8,300	310	3,890
30	20,200	9,560	15,700	22,200	7,520	15,300	6,790	140	2,350	8,680	260	3,950
31	---	---	---	22,300	11,500	16,800	2,150	110	524	---	---	---
MONTH	27,500	5,820	16,500	26,500	5,460	16,400	28,500	70	7,510	23,300	70	2,380

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	11,100	2,140	5,800	---	---	---	13,400	2,030	6,620	---	---	---
2	11,700	2,720	5,410	---	---	---	---	---	---	---	---	---
3	8,560	710	3,840	---	---	---	---	---	---	---	---	---
4	11,900	840	4,330	---	---	---	---	---	---	---	---	---
5	17,900	660	5,600	---	---	---	---	---	---	---	---	---
6	25,200	1,350	10,700	---	---	---	---	---	---	---	---	---
7	31,800	5,480	17,400	---	---	---	---	---	---	---	---	---
8	35,100	11,100	22,300	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	26,600	17,700	22,300	---	---	---	---	---	---
11	25,800	15,800	21,600	25,500	18,000	22,000	---	---	---	---	---	---
12	23,900	18,600	20,800	25,100	18,300	21,800	---	---	---	---	---	---
13	22,100	18,300	20,000	23,100	13,800	19,300	---	---	---	---	---	---
14	---	---	---	23,500	11,600	18,900	---	---	---	---	---	---
15	---	---	---	24,800	14,400	19,800	---	---	---	---	---	---
16	19,700	13,100	16,000	23,400	14,400	18,900	---	---	---	---	---	---
17	17,700	8,600	13,400	21,200	11,800	16,900	---	---	---	---	---	---
18	17,600	7,910	12,900	19,100	9,480	14,400	---	---	---	---	---	---
19	16,700	6,790	12,300	17,200	7,660	12,300	---	---	---	---	---	---
20	17,500	5,180	12,000	15,300	6,320	10,700	---	---	---	---	---	---
21	23,700	8,440	15,500	14,400	4,860	9,720	---	---	---	---	---	---
22	27,000	14,400	19,900	14,900	4,880	10,500	---	---	---	---	---	---
23	26,900	18,100	22,000	15,400	6,990	11,000	---	---	---	---	---	---
24	26,300	20,000	22,500	14,800	5,750	10,500	---	---	---	---	---	---
25	25,000	19,400	21,700	13,700	6,390	9,060	---	---	---	---	---	---
26	23,100	17,400	20,100	11,400	823	6,890	---	---	---	---	---	---
27	22,900	16,300	19,100	13,600	2,210	8,410	---	---	---	---	---	---
28	22,300	14,600	18,100	12,600	2,160	7,700	---	---	---	---	---	---
29	---	---	---	12,200	242	5,960	---	---	---	---	---	---
30	---	---	---	14,800	1,500	7,800	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	10.2	4.9	7.2
12	---	---	---	---	---	---	---	---	---	11.1	5.3	7.5
13	---	---	---	---	---	---	---	---	---	9.9	4.7	6.6
14	---	---	---	---	---	---	---	---	---	8.8	4.1	6.2
15	---	---	---	---	---	---	---	---	---	8.3	3.7	5.9
16	---	---	---	---	---	---	---	---	---	9.6	3.6	6.2
17	---	---	---	---	---	---	---	---	---	14.2	3.9	8.3
18	---	---	---	---	---	---	---	---	---	16.0	3.3	10.4
19	---	---	---	---	---	---	---	---	---	13.6	8.1	10.7
20	---	---	---	---	---	---	---	---	---	11.7	4.5	8.1
21	---	---	---	---	---	---	---	---	---	10.7	5.5	8.2
22	---	---	---	---	---	---	---	---	---	10.5	5.0	7.8
23	---	---	---	---	---	---	---	---	---	8.1	4.1	6.5
24	---	---	---	---	---	---	---	---	---	7.2	3.1	5.4
25	---	---	---	---	---	---	---	---	---	6.5	2.6	4.7
26	---	---	---	---	---	---	---	---	---	5.6	2.3	3.8
27	---	---	---	---	---	---	---	---	---	4.0	1.7	2.7
28	---	---	---	---	---	---	---	---	---	3.1	1.2	2.0
29	---	---	---	---	---	---	---	---	---	1.9	0.6	1.3
30	---	---	---	---	---	---	---	---	---	1.1	0.5	0.8
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	2.0	0.3	0.7	0.8	0.03	0.2	4.2	0.10	2.1	3.3	0.04	1.1
2	5.0	0.2	1.3	0.8	0.03	0.2	5.9	0.07	2.1	4.9	0.05	1.9
3	---	---	---	1.6	0.02	0.3	7.4	0.5	3.9	5.7	0.09	2.6
4	8.3	2.1	4.9	1.6	0.02	0.4	9.6	1.5	5.4	5.8	0.1	2.7
5	7.7	0.4	4.5	0.9	0.02	0.2	10.8	4.2	7.3	5.7	0.2	2.9
6	7.7	1.5	4.9	0.6	0.02	0.1	10	2.4	6.1	4.4	0.1	1.9
7	7.8	3.1	5.5	0.3	0.02	0.08	11.1	1.7	6.2	6.9	0.10	3.1
8	7.7	3.2	5.3	0.7	0.02	0.2	10.2	2.9	6.6	7.6	0.6	4.3
9	5.8	0.2	2.7	2.6	0.02	0.4	10.0	2.8	6.1	8.9	1.0	4.7
10	---	---	---	6.7	0.03	1.6	9.7	1.6	5.9	9.2	0.4	4.4
11	5.1	0.06	1.6	6.1	0.04	1.6	8.0	0.2	3.6	11.3	1.4	6.5
12	5.6	0.07	2.1	4.0	0.03	1.3	3.7	0.05	1.0	10.1	3.3	6.7
13	5.5	0.07	2.1	2.5	0.03	0.6	2.5	0.05	0.8	8.1	1.5	4.8
14	5.6	0.06	2.3	3.5	0.03	1.0	4.5	0.05	1.4	7.6	2.2	4.9
15	5.5	0.05	1.4	6.3	0.08	2.0	1.7	0.04	0.2	9.0	1.1	5.1
16	4.4	0.05	1.2	6.1	0.1	2.4	0.9	0.03	0.1	8.7	1.6	5.3
17	4.5	0.06	1.3	6.8	0.2	3.0	0.4	0.03	0.07	9.0	1.3	5.7
18	7.0	0.07	2.0	8.7	0.7	4.7	0.04	0.03	0.03	10.2	2.2	6.3
19	10.3	0.8	5.0	8.8	2.3	6.2	0.04	0.03	0.03	7.4	1.4	4.7
20	9.0	0.2	4.9	7.2	0.3	3.3	0.04	0.03	0.03	9.0	1.2	5.2
21	10.8	1.5	5.7	8.0	1.0	4.6	0.04	0.03	0.03	10	1.8	6.0
22	9.5	0.6	5.7	7.0	1.0	3.5	0.04	0.03	0.03	8.6	2.1	5.6
23	9.9	1.9	6.2	5.6	0.08	2.3	0.04	0.03	0.03	7.2	1.0	4.4
24	9.5	3.7	6.4	4.6	0.05	1.8	0.04	0.03	0.04	7.6	2.0	4.6
25	8.8	2.7	5.6	3.7	0.05	1.4	0.04	0.03	0.04	7.8	0.9	4.6
26	7.8	1.4	4.7	5.5	0.06	2.1	0.04	0.03	0.04	10.5	2.5	6.2
27	8.3	1.0	4.6	6.2	0.2	2.8	0.2	0.03	0.05	10.1	1.8	5.2
28	8.3	1.2	4.6	6.0	0.1	2.8	1.0	0.03	0.2	9.0	0.2	3.2
29	6.8	0.4	3.2	2.9	0.04	1.0	1.7	0.04	0.4	7.7	0.3	3.4
30	2.9	0.05	0.7	5.1	0.10	2.1	2.7	0.04	0.5	6.1	0.2	3.2
31	0.9	0.03	0.2	---	---	---	2.1	0.04	0.8	8.0	0.2	3.5
MONTH	---	---	---	8.8	0.02	1.8	11.1	0.03	2.0	11.3	0.04	4.3
		FEBRUARY			MARCH			APRIL			MAY	
1	8.9	0.8	4.3	2.7	0.03	0.4	14.7	8.2	11.2	11.3	5.7	8.4
2	12.7	1.2	6.1	1.1	0.03	0.3	13.5	6.8	9.8	8.4	0.9	5.2
3	11.9	2.7	7.5	0.9	0.03	0.2	12.4	5.9	9.4	5.9	0.07	2.4
4	9.8	0.4	4.5	0.8	0.03	0.2	11.7	6.5	9.3	2.9	0.05	0.6
5	9.6	0.8	4.8	0.3	0.03	0.07	11.1	4.8	8.2	2.3	0.06	0.6
6	8.0	2.0	5.1	0.05	0.03	0.04	10.9	6.0	8.3	1.3	0.05	0.2
7	5.4	0.9	2.9	0.04	0.03	0.04	10.7	4.8	7.6	0.1	0.05	0.06
8	2.8	0.06	1.3	0.04	0.03	0.04	9.6	5.4	7.2	0.06	0.04	0.05
9	2.5	0.09	1.2	0.1	0.04	0.04	9.5	5.1	6.9	0.05	0.04	0.05
10	2.2	0.10	0.9	2.9	0.04	0.3	10.1	4.9	7.5	0.05	0.04	0.04
11	1.7	0.07	0.7	4.3	0.08	1.9	9.8	3.2	6.2	0.05	0.04	0.04
12	1.4	0.06	0.6	5.2	0.09	2.3	7.6	3.5	5.7	0.05	0.04	0.04
13	1.9	0.05	0.7	3.5	0.06	1.4	6.8	2.4	4.7	0.1	0.03	0.05
14	2.6	0.04	0.7	3.6	0.06	1.3	---	---	---	0.3	0.04	0.1
15	2.5	0.04	0.7	3.2	0.06	1.5	---	---	---	1.0	0.04	0.2
16	2.3	0.04	0.7	4.5	0.07	2.2	5.9	0.2	2.5	2.0	0.04	0.5
17	3.7	0.04	1.4	4.5	0.3	2.3	3.6	0.09	1.6	3.0	0.06	1.0
18	4.1	0.04	1.1	5.0	0.3	2.6	2.4	0.07	0.6	4.0	0.1	1.6
19	2.6	0.04	0.8	3.8	0.5	2.1	0.8	0.06	0.2	4.7	0.4	2.3
20	0.7	0.04	0.2	3.6	0.6	2.0	0.2	0.06	0.08	5.2	0.3	2.6
21	0.1	0.04	0.05	3.0	0.7	1.6	0.09	0.06	0.07	5.3	0.5	2.8
22	0.05	0.04	0.04	3.1	0.09	1.0	0.1	0.05	0.07	6.1	1.7	3.8
23	0.04	0.04	0.04	3.4	0.2	1.4	0.2	0.05	0.08	6.4	2.3	4.3
24	0.3	0.04	0.04	3.3	0.06	1.2	0.5	0.05	0.1	7.3	2.7	4.5
25	1.4	0.04	0.4	2.5	0.07	1.1	2.4	0.07	0.9	6.8	2.8	4.6
26	4.0	0.04	0.9	2.8	0.08	1.1	4.2	0.7	2.4	7.3	3.1	4.7
27	10.5	0.1	3.3	4.5	0.5	2.1	7.1	0.8	3.0	7.0	3.1	5.2
28	10.8	0.10	2.8	6.2	1.3	3.2	13.4	1.9	5.5	8.4	4.7	6.6
29	5.4	0.04	0.9	15.1	2.5	8.6	11.1	4.6	8.1	9.3	4.2	6.9
30	---	---	---	19.6	6.5	12.2	11.3	3.6	7.8	10.7	6.3	8.5
31	---	---	---	18.0	9.4	13.1	---	---	---	11.3	6.1	8.8
MONTH	12.7	0.04	1.9	19.6	0.03	2.2	---	---	---	11.3	0.03	2.8

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	11.0	5.3	8.4	10.8	4.5	7.9	12.7	7.0	9.6	0.2	0.04	0.08
2	11.3	6.4	8.6	10.5	2.8	6.9	12.1	5.7	8.9	0.07	0.04	0.06
3	11.1	5.7	8.5	9.5	3.5	6.5	11.0	5.7	8.1	0.06	0.04	0.05
4	11.2	6.7	8.7	9.8	3.4	6.6	11.1	5.9	8.1	0.05	0.04	0.05
5	11.9	6.1	8.7	10.8	3.4	6.7	11.3	6.1	8.1	0.1	0.04	0.05
6	12.2	7.4	9.6	9.8	3.4	6.5	10.2	2.9	6.4	0.9	0.04	0.2
7	12.8	7.3	9.7	10.2	4.7	7.5	13.4	4.3	8.1	3.0	0.04	0.7
8	11.5	6.4	9.0	10.7	5.0	7.8	13.1	3.4	8.1	2.0	0.04	0.6
9	11.2	6.2	8.3	10.7	4.7	7.8	13.0	1.1	6.2	0.5	0.04	0.08
10	11.4	5.4	8.3	10.2	3.7	7.1	12.8	2.0	6.6	0.3	0.04	0.07
11	11.7	4.9	8.3	10.9	3.4	7.2	11.9	3.2	7.7	0.2	0.04	0.05
12	10.6	2.8	7.5	12.1	3.1	7.6	10.7	2.7	7.4	0.5	0.03	0.08
13	12.2	6.1	8.8	11.9	4.4	8.7	9.5	0.1	5.0	0.3	0.03	0.08
14	11.5	4.6	8.4	12.4	4.2	8.8	5.3	0.1	2.7	0.2	0.03	0.05
15	10.1	3.8	7.6	12.5	5.1	9.0	4.9	0.04	0.8	0.04	0.03	0.04
16	9.3	2.4	6.4	12.5	4.6	9.0	1.4	0.04	0.2	0.04	0.03	0.04
17	9.5	2.9	6.3	12.9	6.2	9.5	0.3	0.04	0.06	0.04	0.03	0.04
18	9.8	4.2	7.0	12.8	4.1	8.7	0.05	0.04	0.04	0.04	0.03	0.04
19	11.6	5.2	7.8	12.3	4.4	8.5	0.05	0.03	0.04	0.04	0.03	0.04
20	11.9	4.9	8.7	11.3	4.6	8.3	0.04	0.03	0.04	5.0	0.03	0.7
21	13.5	7.0	10.2	12.5	5.3	9.1	0.04	0.03	0.03	9.6	0.04	2.6
22	13.6	6.1	10.0	13.5	5.6	9.8	0.04	0.03	0.03	6.1	0.04	2.6
23	11.6	4.8	8.2	13.3	7.2	10.5	0.04	0.03	0.03	4.7	0.03	1.5
24	11.7	2.9	7.1	12.9	4.7	9.1	0.05	0.03	0.04	5.2	0.04	1.7
25	11.4	4.4	8.5	12.7	2.2	8.2	0.4	0.03	0.08	5.5	0.07	2.3
26	11.2	6.1	9.1	14.0	3.8	9.4	2.6	0.04	0.5	6.5	0.1	2.8
27	12.7	5.5	8.9	14.2	5.4	10.5	2.9	0.04	0.8	6.8	0.9	3.6
28	12.1	4.8	9.0	13.2	4.5	10.1	3.1	0.04	1.0	6.4	2.7	3.9
29	11.5	3.8	8.1	12.0	2.6	8.2	3.4	0.1	1.4	3.9	0.1	1.9
30	11.3	4.7	8.4	12.3	3.4	7.9	3.6	0.06	1.1	4.1	0.1	1.8
31	---	---	---	12.8	5.9	9.3	1.0	0.04	0.2	---	---	---
MONTH	13.6	2.4	8.4	14.2	2.2	8.3	13.4	0.03	3.5	9.6	0.03	0.9

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, 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	1.0	2.6	11.7	4.9	8.5	6.2	1.1	3.4	---	---	---
2	4.2	1.2	2.3	12.7	6.4	9.6	---	---	---	---	---	---
3	2.8	0.3	1.5	13.4	7.1	9.6	---	---	---	---	---	---
4	3.4	0.4	1.4	14.4	8.1	11.1	---	---	---	---	---	---
5	4.5	0.2	1.5	15.5	5.5	10.4	---	---	---	---	---	---
6	8.8	0.2	2.6	14.7	9.8	12.6	---	---	---	---	---	---
7	11.3	1.7	4.8	14.9	9.1	11.9	---	---	---	---	---	---
8	15.5	4.2	7.6	13.7	7.6	11.4	---	---	---	---	---	---
9	---	---	---	15.1	8.5	12.2	---	---	---	---	---	---
10	---	---	---	16.3	10.3	13.3	---	---	---	---	---	---
11	14.3	8.2	11.7	15.9	10.5	13.4	---	---	---	---	---	---
12	14.0	10.3	12.1	15.9	10.8	13.5	---	---	---	---	---	---
13	13.4	10.7	11.9	14.0	7.9	11.5	---	---	---	---	---	---
14	---	---	---	14.7	6.5	11.2	---	---	---	---	---	---
15	---	---	---	15.4	8.3	11.9	---	---	---	---	---	---
16	11.1	6.8	9.0	14.3	8.2	11.4	---	---	---	---	---	---
17	9.5	4.6	7.3	12.8	6.5	9.7	---	---	---	---	---	---
18	10	4.1	6.8	11.1	5.0	7.8	---	---	---	---	---	---
19	9.1	3.6	6.5	8.6	4.1	6.5	---	---	---	---	---	---
20	9.7	2.2	6.0	7.6	3.4	5.6	---	---	---	---	---	---
21	12.1	4.3	7.8	7.1	2.4	5.0	---	---	---	---	---	---
22	14.7	7.9	10.7	8.5	2.5	5.7	---	---	---	---	---	---
23	15.9	10.2	12.6	8.7	4.0	6.3	---	---	---	---	---	---
24	15.5	11.7	13.4	9.1	3.2	6.2	---	---	---	---	---	---
25	14.8	11.2	12.9	8.3	4.0	5.4	---	---	---	---	---	---
26	13.9	10.4	12.0	6.6	0.4	3.7	---	---	---	---	---	---
27	13.6	9.7	11.4	8.1	1.0	4.7	---	---	---	---	---	---
28	13.3	8.5	10.6	7.0	1.1	4.2	---	---	---	---	---	---
29	13.3	7.9	10.4	6.7	0.1	2.8	---	---	---	---	---	---
30	13.5	7.8	10.3	6.9	0.6	3.8	---	---	---	---	---	---
31	12.0	6.7	9.4	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	16.3	0.1	8.7	---	---	---	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	11.5	5.8	8.1
12	---	---	---	---	---	---	---	---	---	13.0	5.9	8.6
13	---	---	---	---	---	---	---	---	---	11.7	4.8	7.6
14	---	---	---	---	---	---	---	---	---	9.6	4.1	6.8
15	---	---	---	---	---	---	---	---	---	10.2	3.9	6.7
16	---	---	---	---	---	---	---	---	---	12.8	3.8	7.8
17	---	---	---	---	---	---	---	---	---	17.2	4.6	10.6
18	---	---	---	---	---	---	---	---	---	21.4	4.2	14.4
19	---	---	---	---	---	---	---	---	---	16.8	8.1	12.4
20	---	---	---	---	---	---	---	---	---	13.9	5.3	9.9
21	---	---	---	---	---	---	---	---	---	14.0	6.2	9.8
22	---	---	---	---	---	---	---	---	---	14.4	7.3	9.4
23	---	---	---	---	---	---	---	---	---	10.8	5.3	7.7
24	---	---	---	---	---	---	---	---	---	8.5	4.0	6.0
25	---	---	---	---	---	---	---	---	---	7.4	3.7	5.1
26	---	---	---	---	---	---	---	---	---	6.9	2.7	4.1
27	---	---	---	---	---	---	---	---	---	4.8	1.8	2.9
28	---	---	---	---	---	---	---	---	---	3.4	1.2	2.1
29	---	---	---	---	---	---	---	---	---	2.1	0.7	1.3
30	---	---	---	---	---	---	---	---	---	1.1	0.6	0.8
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	2.6	0.3	0.8	1.5	0.04	0.2	6.5	0.1	3.2	6.2	0.04	2.2
2	6.5	0.2	1.7	1.0	0.04	0.2	9.1	0.09	3.6	8.8	0.06	3.7
3	---	---	---	2.6	0.03	0.5	9.7	0.8	5.7	11.3	0.10	4.9
4	11.1	2.4	6.2	2.4	0.03	0.6	12.6	2.0	7.6	10.7	0.2	4.8
5	9.3	0.7	5.6	1.7	0.03	0.3	14.5	5.1	9.4	8.6	0.3	3.9
6	8.8	2.0	5.8	0.8	0.03	0.2	12.8	3.1	8.4	6.5	0.1	3.0
7	8.6	3.6	6.1	0.4	0.03	0.1	12.5	2.5	8.1	9.3	0.1	4.6
8	8.5	3.6	5.8	0.9	0.03	0.2	11.6	3.7	8.0	10.7	0.9	5.9
9	6.4	0.2	3.3	5.4	0.03	1.0	11.3	3.3	7.3	10.2	1.3	5.8
10	---	---	---	9.6	0.04	3.0	10.9	2.1	7.0	13.2	0.4	6.2
11	6.5	0.06	2.4	9.0	0.05	3.0	9.0	0.4	4.6	15.1	2.2	9.0
12	7.6	0.07	3.0	7.0	0.04	2.3	6.1	0.05	1.9	14.0	3.8	8.7
13	7.2	0.07	3.1	4.8	0.04	1.3	5.9	0.05	1.7	11.3	1.7	6.7
14	9.3	0.06	3.5	7.6	0.04	2.2	10.3	0.06	3.4	9.7	2.6	6.5
15	7.0	0.05	2.3	8.8	0.10	3.9	4.0	0.04	0.6	10.1	1.4	6.4
16	8.3	0.04	2.6	11.1	0.1	5.0	1.6	0.04	0.3	11.5	2.0	7.1
17	10.6	0.06	3.3	11.3	0.4	5.6	0.5	0.03	0.09	11.2	1.7	7.3
18	14.7	0.07	5.5	11.7	1.4	6.9	0.04	0.03	0.04	10.8	2.6	7.4
19	17.4	1.6	9.7	9.9	2.5	7.3	0.04	0.03	0.04	8.6	1.5	5.6
20	15.1	0.6	8.1	8.4	0.3	4.4	0.04	0.03	0.03	9.8	1.6	6.2
21	13.6	2.2	8.2	9.0	1.5	5.3	0.04	0.03	0.04	10.9	1.9	6.8
22	11.0	0.9	7.1	7.8	1.4	4.0	0.04	0.03	0.04	9.7	2.1	6.2
23	10.2	2.6	7.0	6.5	0.10	2.6	0.04	0.03	0.04	8.0	1.3	5.0
24	10.2	3.9	7.0	5.3	0.06	2.1	0.05	0.03	0.04	9.0	2.3	5.5
25	9.6	3.1	6.2	4.5	0.06	1.7	0.04	0.03	0.04	9.5	1.2	5.6
26	8.7	1.6	5.0	6.8	0.06	2.5	0.04	0.03	0.04	13.6	3.0	8.0
27	8.8	1.3	5.0	8.0	0.2	3.5	0.2	0.04	0.05	13.8	2.3	8.0
28	9.4	1.4	5.1	7.3	0.1	3.4	1.3	0.04	0.3	13.4	0.3	6.3
29	7.8	0.5	3.7	4.4	0.05	1.4	2.2	0.04	0.6	12.3	0.8	6.3
30	4.1	0.04	1.1	7.0	0.1	3.0	3.1	0.04	0.8	11.2	0.3	5.7
31	1.1	0.04	0.2	---	---	---	4.0	0.04	1.4	12.8	0.3	6.4
MONTH	---	---	---	11.7	0.03	2.6	14.5	0.03	2.7	15.1	0.04	6.0
		FEBRUARY			MARCH			APRIL			MAY	
1	13.6	1.6	7.8	5.9	0.04	1.3	16.7	9.3	13.2	13.0	1.7	8.3
2	16.0	2.3	9.9	3.3	0.04	0.6	15.1	7.8	11.5	8.6	0.7	5.2
3	17.8	4.1	10.6	1.7	0.04	0.3	13.2	7.1	10.5	5.9	0.06	2.6
4	14.2	0.7	7.5	1.1	0.04	0.3	12.4	6.7	10	2.7	0.05	0.7
5	11.5	1.4	6.9	0.3	0.04	0.09	11.7	4.8	8.8	2.3	0.05	0.6
6	10.5	2.4	6.3	0.06	0.04	0.05	11.5	6.2	8.8	1.2	0.04	0.2
7	7.3	1.2	3.9	0.05	0.04	0.04	11.2	4.9	8.1	0.1	0.04	0.06
8	4.7	0.06	1.6	0.05	0.04	0.05	10.7	5.4	7.6	0.05	0.03	0.04
9	3.2	0.10	1.4	0.2	0.04	0.05	10.2	5.2	7.5	0.05	0.03	0.04
10	2.8	0.1	1.1	3.7	0.04	0.4	11.4	5.4	8.1	0.04	0.03	0.04
11	2.3	0.09	0.9	6.9	0.1	2.9	10.4	3.2	6.9	0.05	0.03	0.04
12	1.8	0.07	0.8	6.8	0.1	2.9	9.3	4.0	6.3	0.05	0.03	0.04
13	2.8	0.06	1.00	4.5	0.06	1.9	7.7	3.6	5.1	0.1	0.03	0.05
14	4.0	0.05	1.2	4.0	0.06	1.8	5.2	0.9	2.7	0.3	0.04	0.1
15	3.5	0.05	1.0	5.4	0.07	2.1	6.3	0.1	2.4	1.1	0.04	0.3
16	5.4	0.05	1.3	5.6	0.08	2.8	7.3	0.2	3.3	2.4	0.04	0.7
17	6.7	0.05	2.2	5.3	0.4	2.8	4.8	0.09	2.0	4.0	0.05	1.2
18	5.4	0.05	1.7	6.1	0.4	3.1	2.2	0.07	0.6	4.8	0.1	1.9
19	3.1	0.05	1.00	4.8	0.6	2.5	0.8	0.06	0.2	6.7	0.6	2.8
20	0.9	0.05	0.2	4.2	0.7	2.2	0.2	0.06	0.08	6.7	0.3	3.3
21	0.1	0.04	0.06	3.2	0.7	1.7	0.08	0.06	0.07	6.8	0.5	3.8
22	0.06	0.04	0.05	4.0	0.09	1.2	0.1	0.05	0.07	8.1	1.9	4.9
23	0.05	0.04	0.05	4.1	0.2	1.8	0.2	0.05	0.08	8.8	2.5	5.3
24	0.4	0.04	0.05	4.4	0.06	1.6	0.8	0.05	0.2	8.5	3.0	5.6
25	3.1	0.04	0.7	3.4	0.07	1.5	4.1	0.07	1.3	9.0	3.1	5.9
26	9.3	0.04	2.5	4.1	0.08	1.8	8.1	0.7	3.6	9.6	3.6	6.6
27	16.6	0.2	7.7	6.8	0.8	3.3	11.9	0.8	5.2	11.1	4.0	7.5
28	17.5	0.2	6.7	10.4	1.9	6.1	15.3	2.0	8.5	11.9	5.9	8.7
29	14.2	0.04	3.6	19.8	7.4	13.3	16.4	5.2	10.1	12.1	4.7	8.5
30	---	---	---	21.7	11.3	16.8	15.5	2.0	8.9	12.5	6.8	9.5
31	---	---	---	21.5	11.5	16.2	---	---	---	12.3	6.5	9.6
MONTH	17.8	0.04	3.1	21.7	0.04	3.0	16.7	0.05	5.4	13.0	0.03	3.4

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	11.5	6.3	9.1	11.3	5.0	8.5	13.6	7.2	10.1	0.3	0.04	0.08
2	11.9	6.7	9.1	11.1	3.3	7.5	13.1	7.1	9.5	0.07	0.04	0.06
3	11.9	6.1	9.0	10.2	3.6	7.0	12.1	6.2	8.9	0.06	0.04	0.05
4	12.1	7.0	9.3	10.7	3.5	7.1	12.6	6.1	9.0	0.05	0.04	0.05
5	12.8	6.5	9.5	11.5	3.3	7.3	12.2	6.4	8.8	0.2	0.04	0.06
6	13.5	8.2	10.4	10.7	3.4	7.2	12.2	3.3	7.8	4.7	0.04	0.6
7	14.3	7.8	10.7	12.0	4.8	8.4	17.6	5.1	11.1	9.6	0.04	1.8
8	13.0	6.8	9.9	12.0	5.4	8.8	16.6	4.7	11.0	4.7	0.04	1.2
9	12.1	6.6	9.2	12.6	5.4	8.9	16.2	2.1	9.7	0.5	0.04	0.08
10	13.0	6.2	9.5	13.6	4.3	9.1	16.5	3.4	10.3	0.4	0.03	0.07
11	12.3	5.5	9.3	15.2	4.2	9.6	14.4	4.4	10.1	0.2	0.03	0.05
12	12.3	3.3	8.9	16.2	4.3	10.3	14.2	3.7	9.6	0.6	0.03	0.09
13	13.8	6.8	10.2	16.2	5.6	10.9	12.2	0.2	7.3	0.3	0.03	0.09
14	13.1	5.3	9.8	14.6	5.6	10.6	9.8	0.2	4.4	0.2	0.03	0.05
15	12.4	4.7	9.1	14.9	6.3	10.7	6.1	0.05	1.4	0.04	0.03	0.04
16	10.9	3.1	7.6	13.8	5.3	10.4	2.4	0.04	0.2	0.04	0.03	0.04
17	11.2	3.6	7.5	14.4	7.2	10.6	0.3	0.04	0.06	0.04	0.03	0.04
18	12.1	4.9	8.1	14.7	4.9	10.1	0.05	0.04	0.05	0.04	0.03	0.04
19	13.7	6.0	9.1	13.5	5.4	10	0.05	0.03	0.04	0.04	0.03	0.03
20	15.8	5.9	10.8	13.8	5.6	10.0	0.05	0.03	0.04	10.4	0.03	1.4
21	16.9	8.0	12.4	14.2	6.3	10.7	0.04	0.03	0.04	14.1	0.04	4.9
22	16.8	7.5	12.0	14.6	6.8	11.2	0.04	0.03	0.03	10.8	0.05	4.4
23	14.8	6.1	10.4	14.9	8.1	11.6	0.04	0.03	0.04	6.2	0.04	2.3
24	13.4	4.1	9.3	14.3	5.7	10.8	0.04	0.03	0.04	6.8	0.04	2.3
25	14.6	5.4	10.4	15.1	2.9	10.3	0.4	0.03	0.08	7.8	0.08	3.0
26	14.1	6.8	10.4	15.5	5.0	11.3	3.8	0.04	0.7	8.1	0.1	3.6
27	14.0	6.4	10.5	14.8	6.2	11.5	3.7	0.04	0.9	7.8	1.3	4.3
28	14.2	5.5	10.4	13.8	5.3	10.8	4.1	0.04	1.2	7.3	3.0	4.3
29	12.8	4.4	9.3	12.6	3.3	9.3	4.2	0.1	1.5	4.6	0.1	2.1
30	12.1	5.4	9.2	13.4	4.1	8.9	3.7	0.06	1.2	4.8	0.1	2.1
31	---	---	---	13.4	6.5	9.9	1.1	0.04	0.2	---	---	---
MONTH	16.9	3.1	9.7	16.2	2.9	9.7	17.6	0.03	4.4	14.1	0.03	1.3

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
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	6.3	1.1	3.1	---	---	---	7.7	1.0	3.6	---	---	---
2	6.7	1.4	2.9	---	---	---	---	---	---	---	---	---
3	4.8	0.3	2.0	---	---	---	---	---	---	---	---	---
4	6.8	0.4	2.3	---	---	---	---	---	---	---	---	---
5	10.5	0.3	3.1	---	---	---	---	---	---	---	---	---
6	15.3	0.7	6.2	---	---	---	---	---	---	---	---	---
7	19.8	2.9	10.3	---	---	---	---	---	---	---	---	---
8	22.1	6.3	13.5	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	16.3	10.4	13.5	---	---	---	---	---	---
11	15.8	9.2	13.0	15.5	10.6	13.3	---	---	---	---	---	---
12	14.5	11.0	12.4	15.3	10.8	13.1	---	---	---	---	---	---
13	13.3	10.8	11.9	14.0	8.0	11.5	---	---	---	---	---	---
14	---	---	---	14.2	6.6	11.2	---	---	---	---	---	---
15	---	---	---	15.1	8.3	11.8	---	---	---	---	---	---
16	11.7	7.5	9.3	14.2	8.3	11.2	---	---	---	---	---	---
17	10.4	4.8	7.7	12.7	6.7	9.9	---	---	---	---	---	---
18	10.3	4.4	7.4	11.3	5.3	8.4	---	---	---	---	---	---
19	9.8	3.7	7.1	10.1	4.2	7.1	---	---	---	---	---	---
20	10.3	2.8	6.9	8.9	3.4	6.1	---	---	---	---	---	---
21	14.4	4.7	9.1	8.3	2.6	5.5	---	---	---	---	---	---
22	16.6	8.3	11.9	8.6	2.6	6.0	---	---	---	---	---	---
23	16.5	10.7	13.3	9.0	3.8	6.2	---	---	---	---	---	---
24	16.1	11.9	13.6	8.6	3.1	5.9	---	---	---	---	---	---
25	15.2	11.5	13.0	7.9	3.5	5.1	---	---	---	---	---	---
26	14.0	10.2	12.0	6.5	0.4	3.8	---	---	---	---	---	---
27	13.8	9.5	11.3	7.8	1.1	4.7	---	---	---	---	---	---
28	13.4	8.5	10.7	7.2	1.1	4.3	---	---	---	---	---	---
29	---	---	---	7.0	0.1	3.3	---	---	---	---	---	---
30	---	---	---	8.6	0.7	4.3	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

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

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.8	6.5	6.6	6.8	6.2	6.4	6.7	6.0	6.5	6.7	5.7	6.3
2	6.9	6.5	6.7	6.7	6.2	6.4	6.7	5.9	6.4	6.8	5.8	6.4
3	---	---	---	6.8	6.2	6.4	6.8	6.2	6.6	6.8	5.8	6.5
4	7.0	6.7	6.9	6.7	6.1	6.4	7.0	6.4	6.7	6.8	5.9	6.5
5	7.0	6.6	6.8	6.7	6.0	6.2	7.1	6.6	6.8	6.9	5.9	6.6
6	7.0	6.7	6.8	6.6	6.0	6.2	7.1	6.6	6.9	6.8	5.9	6.5
7	7.0	6.8	6.9	6.6	6.0	6.2	7.2	6.5	6.9	7.0	5.9	6.6
8	7.0	6.8	6.9	6.8	6.0	6.3	7.1	6.6	6.9	7.3	6.2	6.8
9	7.0	6.7	6.8	6.7	6.1	6.3	7.1	6.6	6.9	7.4	6.6	7.0
10	---	---	---	7.0	6.2	6.5	7.1	6.5	6.9	7.5	6.6	7.1
11	6.9	6.6	6.7	6.9	6.2	6.5	7.0	6.2	6.7	7.6	6.8	7.2
12	6.9	6.5	6.7	6.8	6.2	6.5	6.8	6.0	6.4	7.6	7.0	7.3
13	6.9	6.5	6.7	6.8	6.2	6.5	6.7	6.0	6.3	7.5	6.9	7.2
14	6.8	6.4	6.6	6.9	6.2	6.5	6.8	6.0	6.5	7.5	7.0	7.2
15	6.9	6.4	6.6	7.0	6.3	6.6	6.6	6.0	6.1	7.5	7.0	7.3
16	6.7	6.3	6.5	7.0	6.3	6.6	6.5	5.8	6.1	7.6	7.0	7.3
17	6.7	6.3	6.5	6.9	6.3	6.6	6.4	5.6	6.0	7.5	6.9	7.2
18	6.8	6.3	6.5	7.1	6.3	6.8	6.0	5.6	5.8	7.5	7.0	7.3
19	7.1	6.4	6.7	7.2	6.6	7.0	6.1	5.6	5.8	7.5	7.0	7.2
20	7.0	6.3	6.7	7.2	6.4	6.8	6.0	5.6	5.7	7.6	7.0	7.3
21	7.2	6.4	6.8	7.3	6.6	7.0	6.0	5.5	5.8	7.7	7.1	7.4
22	7.3	6.5	6.9	7.3	6.6	6.9	6.0	5.5	5.8	7.6	7.2	7.3
23	7.6	6.8	7.2	7.2	6.4	6.8	6.1	5.5	5.8	7.4	7.0	7.2
24	7.6	7.1	7.4	7.2	6.3	6.7	6.2	5.5	5.8	7.5	7.1	7.3
25	7.6	7.1	7.4	6.7	5.8	6.4	6.0	5.5	5.7	7.6	7.1	7.3
26	7.6	7.0	7.4	7.0	5.8	6.4	6.0	5.5	5.7	7.7	7.2	7.4
27	7.7	7.0	7.4	7.0	5.9	6.5	6.2	5.6	5.8	7.7	7.2	7.4
28	7.7	7.0	7.4	7.0	5.9	6.5	6.6	5.6	6.0	7.5	6.9	7.1
29	7.6	7.0	7.4	6.6	5.9	6.2	6.6	5.7	6.1	7.3	6.9	7.1
30	7.3	6.9	7.0	6.8	6.0	6.5	6.7	5.7	6.1	7.3	6.9	7.1
31	7.1	6.3	6.7	---	---	---	6.7	5.7	6.2	7.3	6.9	7.1
MONTH	---	---	---	7.3	5.8	6.5	7.2	5.5	6.2	7.7	5.7	7.0
		FEBRUARY			MARCH			APRIL			MAY	
1	7.4	6.9	7.1	6.9	6.1	6.4	7.5	7.0	7.2	7.2	6.9	7.1
2	7.6	7.0	7.2	6.8	6.0	6.3	7.1	6.8	7.0	7.2	6.7	7.0
3	7.5	6.9	7.2	6.8	6.0	6.3	7.2	6.9	7.1	7.0	6.5	6.8
4	7.3	6.8	7.0	6.8	6.0	6.3	7.2	7.0	7.1	6.9	6.4	6.6
5	7.3	6.8	7.0	6.6	6.0	6.2	7.3	6.9	7.0	6.8	6.4	6.6
6	7.3	6.9	7.1	6.4	6.0	6.2	7.3	7.0	7.1	6.7	6.3	6.5
7	7.2	6.9	7.1	6.3	6.0	6.1	7.3	7.0	7.1	6.5	6.4	6.4
8	7.2	6.7	6.9	6.3	6.0	6.2	7.2	7.0	7.1	6.4	6.2	6.4
9	7.1	6.7	6.9	6.4	6.0	6.2	7.3	7.1	7.2	6.4	6.1	6.3
10	7.3	6.5	6.9	7.1	6.0	6.4	7.4	7.1	7.2	6.3	6.0	6.2
11	7.4	6.5	7.0	7.2	6.2	6.7	7.3	7.1	7.2	6.3	6.0	6.1
12	7.4	6.6	7.1	6.7	6.3	6.5	7.3	7.1	7.2	6.2	5.9	6.0
13	7.5	6.5	7.1	6.6	6.3	6.4	7.3	7.1	7.2	6.2	5.9	6.1
14	7.4	6.4	7.0	6.6	6.3	6.5	---	---	---	6.3	6.1	6.2
15	7.3	6.4	6.9	6.7	6.4	6.6	---	---	---	6.3	6.1	6.2
16	7.3	6.4	6.9	6.8	6.4	6.6	7.1	6.7	6.9	6.3	6.2	6.2
17	7.3	6.4	6.9	6.8	6.5	6.6	6.9	6.7	6.8	6.4	6.2	6.3
18	7.3	6.4	6.8	6.8	6.5	6.7	6.8	6.6	6.7	6.5	6.3	6.3
19	7.2	6.4	6.8	6.8	6.6	6.7	6.7	6.6	6.6	6.9	6.3	6.5
20	7.0	6.4	6.7	6.8	6.6	6.7	6.7	6.5	6.6	6.9	6.4	6.7
21	6.8	6.3	6.5	6.9	6.7	6.8	6.7	6.5	6.6	6.9	6.5	6.7
22	6.6	6.2	6.4	7.0	6.7	6.8	6.7	6.5	6.6	6.9	6.6	6.8
23	6.6	6.2	6.4	7.0	6.8	6.9	6.6	6.4	6.5	7.0	6.7	6.9
24	6.7	6.1	6.3	7.0	6.8	6.8	6.7	6.4	6.5	7.0	6.8	6.9
25	7.1	6.1	6.5	6.9	6.8	6.8	6.8	6.5	6.6	7.1	6.8	6.9
26	7.2	6.1	6.6	7.0	6.8	6.8	6.9	6.6	6.8	7.0	6.8	6.9
27	7.7	6.3	7.1	7.1	6.8	6.9	7.0	6.6	6.8	7.0	6.8	6.9
28	7.6	6.2	6.9	7.2	6.9	7.0	7.3	6.7	6.9	7.2	6.9	7.0
29	7.2	6.2	6.6	7.6	6.9	7.3	7.3	6.9	7.1	7.2	6.8	7.0
30	---	---	---	7.8	7.1	7.4	7.3	6.8	7.0	7.2	7.0	7.1
31	---	---	---	7.7	7.2	7.4	---	---	---	7.3	6.9	7.1
MONTH	7.7	6.1	6.9	7.8	6.0	6.6	---	---	---	7.3	5.9	6.6

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.2	6.9	7.0	7.3	7.0	7.1	7.2	6.9	7.0	6.3	6.0	6.2
2	7.2	6.8	7.0	7.2	6.9	7.1	7.1	6.9	7.0	6.4	6.0	6.2
3	7.1	6.8	6.9	7.2	6.9	7.0	7.1	6.9	7.0	6.3	6.0	6.2
4	7.2	6.9	7.0	7.2	6.9	7.0	7.1	6.9	7.0	6.2	6.0	6.1
5	7.2	6.8	7.0	7.3	6.9	7.1	7.1	6.9	7.0	6.2	6.1	6.1
6	7.2	6.9	7.0	7.2	6.9	7.0	7.1	6.8	6.9	6.3	6.1	6.2
7	7.2	6.9	7.0	7.2	7.0	7.1	7.2	6.8	7.0	6.4	6.0	6.2
8	7.1	6.8	7.0	7.2	7.0	7.1	7.2	6.8	7.0	6.6	6.0	6.3
9	7.1	6.8	6.9	7.2	7.0	7.1	7.1	6.6	6.9	6.3	6.0	6.2
10	7.1	6.8	6.9	7.2	6.9	7.1	7.1	6.7	6.9	6.3	6.0	6.1
11	7.1	6.8	6.9	7.2	6.9	7.1	7.1	6.7	6.9	6.3	6.0	6.1
12	7.1	6.7	6.9	7.3	6.9	7.1	7.1	6.7	6.9	6.3	5.9	6.1
13	7.2	6.8	7.0	7.3	7.0	7.1	7.0	6.6	6.9	6.2	6.0	6.1
14	7.2	6.7	7.0	7.2	6.8	7.1	6.9	6.5	6.8	6.2	6.0	6.1
15	7.3	6.8	7.0	7.2	6.9	7.0	6.9	6.4	6.6	6.2	5.9	6.1
16	7.2	6.8	7.0	7.2	6.9	7.0	6.6	6.3	6.5	6.2	5.8	6.0
17	7.2	6.8	7.0	7.2	7.0	7.1	6.5	6.2	6.3	6.2	5.8	6.1
18	7.3	6.9	7.1	7.2	6.9	7.0	6.4	6.2	6.3	6.2	5.9	6.0
19	7.3	6.9	7.0	7.2	6.9	7.0	6.4	6.0	6.2	6.1	5.8	6.0
20	7.3	6.9	7.1	7.1	6.9	7.0	6.2	5.8	6.0	6.6	5.9	6.2
21	7.4	6.9	7.1	7.2	6.9	7.0	6.0	5.8	5.9	6.9	5.9	6.4
22	7.2	6.9	7.0	7.1	6.9	7.0	6.0	5.8	5.9	6.7	5.9	6.4
23	7.2	6.8	7.0	7.1	6.9	7.0	6.0	5.8	5.9	6.6	6.0	6.3
24	7.2	6.8	7.0	7.1	6.8	6.9	6.1	5.8	5.9	6.7	6.0	6.3
25	7.2	6.9	7.1	7.0	6.8	6.9	6.1	5.7	5.9	6.8	6.1	6.4
26	7.2	7.0	7.1	7.1	6.8	7.0	6.3	5.8	6.0	6.9	6.1	6.5
27	7.3	7.0	7.1	7.2	6.8	7.0	6.4	5.8	6.1	7.0	6.3	6.6
28	7.3	7.0	7.1	7.2	6.8	7.0	6.4	5.9	6.2	7.0	6.6	6.7
29	7.2	6.9	7.1	7.1	6.8	7.0	6.6	6.0	6.3	6.8	6.0	6.5
30	7.3	7.0	7.1	7.1	6.8	7.0	6.6	6.0	6.3	6.8	6.1	6.5
31	---	---	---	7.2	6.9	7.0	6.4	6.0	6.2	---	---	---
MONTH	7.4	6.7	7.0	7.3	6.8	7.0	7.2	5.7	6.5	7.0	5.8	6.2

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, 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	6.8	6.4	6.6	7.1	6.8	7.0	7.2	7.0	7.1	---	---	---
2	6.8	6.4	6.6	7.2	6.9	7.1	---	---	---	---	---	---
3	6.7	6.2	6.5	7.2	6.9	7.1	---	---	---	---	---	---
4	6.8	6.2	6.6	7.3	7.0	7.1	---	---	---	---	---	---
5	6.8	6.2	6.5	7.4	6.9	7.1	---	---	---	---	---	---
6	7.0	6.2	6.6	7.3	7.1	7.2	---	---	---	---	---	---
7	7.1	6.4	6.7	7.3	7.1	7.2	---	---	---	---	---	---
8	7.3	6.6	6.9	7.3	7.0	7.2	---	---	---	---	---	---
9	---	---	---	7.5	7.1	7.3	---	---	---	---	---	---
10	---	---	---	7.6	7.3	7.4	---	---	---	---	---	---
11	7.3	6.9	7.1	7.6	7.3	7.4	---	---	---	---	---	---
12	7.2	7.0	7.1	7.6	7.3	7.4	---	---	---	---	---	---
13	7.2	7.0	7.1	7.5	7.2	7.3	---	---	---	---	---	---
14	---	---	---	7.6	7.2	7.4	---	---	---	---	---	---
15	---	---	---	7.6	7.3	7.4	---	---	---	---	---	---
16	7.2	6.9	7.0	7.6	7.3	7.4	---	---	---	---	---	---
17	7.1	6.7	6.9	7.5	7.2	7.4	---	---	---	---	---	---
18	7.1	6.7	7.0	7.4	7.1	7.3	---	---	---	---	---	---
19	7.1	6.8	7.0	7.3	7.1	7.2	---	---	---	---	---	---
20	7.1	6.6	6.9	7.3	7.0	7.2	---	---	---	---	---	---
21	7.2	6.8	7.0	7.2	7.0	7.1	---	---	---	---	---	---
22	7.4	7.0	7.2	7.3	7.0	7.2	---	---	---	---	---	---
23	7.5	7.1	7.3	7.3	7.1	7.2	---	---	---	---	---	---
24	7.4	7.2	7.3	7.3	7.0	7.2	---	---	---	---	---	---
25	7.4	7.1	7.2	7.3	7.1	7.2	---	---	---	---	---	---
26	7.3	7.1	7.2	7.3	7.0	7.2	---	---	---	---	---	---
27	7.3	7.0	7.1	7.3	7.0	7.2	---	---	---	---	---	---
28	7.2	7.0	7.1	7.3	7.0	7.2	---	---	---	---	---	---
29	7.2	6.9	7.1	7.2	6.9	7.1	---	---	---	---	---	---
30	7.2	6.9	7.1	7.3	7.0	7.1	---	---	---	---	---	---
31	7.2	6.9	7.0	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	7.6	6.8	7.2	---	---	---	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

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

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.9	6.6	6.7	6.6	6.0	6.2	6.8	6.4	6.6	6.4	5.9	6.1
2	7.0	6.6	6.7	6.4	6.0	6.2	6.9	6.3	6.6	6.6	5.9	6.2
3	---	---	---	6.6	6.0	6.2	6.9	6.3	6.6	6.8	5.9	6.3
4	7.2	6.7	6.9	6.5	5.8	6.1	7.1	6.4	6.7	6.7	5.9	6.3
5	7.0	6.6	6.9	6.4	5.8	6.0	7.2	6.6	6.8	6.6	5.9	6.3
6	7.0	6.7	6.8	6.3	5.7	6.0	7.0	6.4	6.7	6.5	5.9	6.2
7	7.0	6.7	6.9	6.2	5.7	5.9	7.0	6.3	6.7	6.8	6.0	6.4
8	7.0	6.8	6.9	6.5	5.7	6.0	6.9	6.4	6.7	7.1	6.1	6.6
9	7.0	6.6	6.8	6.7	5.8	6.1	6.8	6.3	6.6	7.2	6.4	6.9
10	---	---	---	7.0	5.9	6.4	6.8	6.2	6.6	7.4	6.4	7.0
11	6.9	6.5	6.7	6.9	6.0	6.4	6.7	6.2	6.5	7.6	6.7	7.2
12	7.0	6.5	6.7	6.8	6.0	6.3	6.5	6.2	6.3	7.6	6.8	7.2
13	6.9	6.5	6.7	6.7	6.0	6.3	6.5	6.1	6.3	7.4	6.7	7.1
14	7.0	6.4	6.7	7.0	6.0	6.5	6.7	6.2	6.4	7.3	6.7	7.1
15	6.9	6.3	6.6	7.0	6.2	6.6	6.4	6.1	6.2	7.4	6.7	7.1
16	6.9	6.3	6.6	7.0	6.2	6.6	6.3	6.1	6.2	7.4	6.8	7.1
17	7.0	6.3	6.6	7.1	6.2	6.7	6.3	6.0	6.1	7.5	6.7	7.2
18	7.2	6.3	6.6	7.2	6.3	6.8	6.3	5.9	6.1	7.5	6.8	7.2
19	7.3	6.4	6.9	7.1	6.6	6.9	6.3	5.8	6.0	7.3	6.8	7.1
20	7.2	6.3	6.8	7.2	6.3	6.8	6.2	5.8	6.0	7.4	6.8	7.2
21	7.1	6.4	6.8	7.2	6.5	6.9	6.2	5.8	6.0	7.5	6.9	7.2
22	7.1	6.3	6.8	7.2	6.5	6.9	6.3	5.8	6.0	7.5	6.9	7.2
23	7.1	6.5	6.9	7.2	6.3	6.7	6.3	5.7	6.0	7.4	6.8	7.1
24	7.1	6.7	6.9	7.1	6.2	6.6	6.3	5.8	6.1	7.4	6.9	7.2
25	7.2	6.6	6.9	6.8	6.3	6.5	6.2	5.8	6.0	7.5	6.9	7.2
26	7.1	6.5	6.8	7.1	6.3	6.6	6.2	5.8	6.0	7.7	7.1	7.4
27	7.2	6.5	6.9	7.1	6.3	6.7	6.2	5.8	6.0	7.7	7.0	7.4
28	7.1	6.5	6.9	7.1	6.3	6.6	6.2	5.9	6.0	7.7	6.6	7.2
29	7.1	6.5	6.8	6.8	6.3	6.5	6.2	5.9	6.0	7.6	6.8	7.2
30	6.8	6.2	6.5	6.9	6.4	6.6	6.3	5.9	6.0	7.5	6.8	7.2
31	6.7	6.2	6.3	---	---	---	6.3	5.9	6.1	7.6	6.8	7.2
MONTH	---	---	---	7.2	5.7	6.5	7.2	5.7	6.3	7.7	5.9	6.9
		FEBRUARY			MARCH			APRIL			MAY	
1	7.6	6.9	7.3	6.6	6.2	6.3	7.6	7.0	7.4	7.4	7.0	7.2
2	7.7	6.9	7.4	6.4	6.2	6.3	7.5	7.1	7.3	7.2	6.8	7.0
3	7.8	7.0	7.4	6.4	6.2	6.3	7.4	7.1	7.2	7.1	6.6	6.9
4	7.6	6.8	7.2	6.3	6.2	6.3	7.4	7.1	7.2	6.9	6.5	6.7
5	7.5	6.8	7.2	6.4	6.2	6.3	7.4	7.0	7.2	6.9	6.5	6.7
6	7.5	7.0	7.2	6.5	6.2	6.3	7.4	7.1	7.2	---	---	---
7	7.3	6.9	7.1	6.5	6.2	6.3	7.4	7.0	7.2	---	---	---
8	7.2	6.7	7.0	6.5	6.2	6.3	7.4	7.0	7.2	---	---	---
9	7.2	6.7	7.0	6.5	6.2	6.4	7.3	7.0	7.2	---	---	---
10	7.2	6.6	6.9	6.5	6.3	6.4	7.4	7.0	7.2	---	---	---
11	7.0	6.6	6.8	6.8	6.3	6.5	7.3	6.9	7.1	---	---	---
12	6.9	6.6	6.8	6.8	6.3	6.5	7.2	6.9	7.1	---	---	---
13	7.0	6.6	6.8	6.6	6.3	6.5	7.2	7.0	7.0	---	---	---
14	6.9	6.6	6.7	6.7	6.4	6.5	7.1	6.8	7.0	6.2	5.9	6.1
15	6.8	6.6	6.7	6.8	6.4	6.5	7.2	6.8	7.0	6.4	5.9	6.2
16	6.8	6.6	6.7	6.8	6.4	6.5	7.3	6.9	7.1	6.5	6.0	6.3
17	6.9	6.5	6.7	6.8	6.4	6.6	7.1	6.8	6.9	6.7	6.1	6.4
18	6.9	6.5	6.7	6.9	6.5	6.7	7.0	6.8	6.8	6.8	6.2	6.5
19	6.7	6.6	6.6	6.8	6.5	6.6	6.8	6.7	6.8	7.0	6.3	6.6
20	6.7	6.6	6.6	6.9	6.5	6.7	6.8	6.7	6.8	7.0	6.2	6.7
21	6.8	6.5	6.6	6.8	6.7	6.8	6.8	6.7	6.8	7.0	6.3	6.7
22	6.7	6.4	6.5	7.0	6.7	6.8	6.8	6.6	6.7	7.0	6.6	6.8
23	6.6	6.3	6.5	6.9	6.7	6.8	6.7	6.6	6.7	7.1	6.7	6.9
24	6.5	6.3	6.4	6.9	6.7	6.8	6.8	6.6	6.7	7.1	6.8	6.9
25	6.6	6.2	6.4	7.0	6.8	6.8	7.0	6.6	6.8	7.1	6.8	7.0
26	6.9	6.3	6.5	7.0	6.8	6.9	7.2	6.7	6.9	7.2	6.8	7.0
27	7.4	6.3	6.8	7.1	6.8	6.9	7.4	6.8	7.0	7.2	6.8	7.0
28	7.4	6.3	6.7	7.4	6.9	7.1	7.6	6.8	7.2	7.2	6.9	7.1
29	7.1	6.2	6.5	7.8	7.2	7.5	7.6	7.0	7.3	7.2	6.8	7.0
30	---	---	---	7.8	7.3	7.6	7.6	6.9	7.2	7.3	6.9	7.1
31	---	---	---	7.7	7.3	7.5	---	---	---	7.3	6.9	7.1
MONTH	7.8	6.2	6.8	7.8	6.2	6.7	7.6	6.6	7.0	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.2	6.9	7.0	7.3	7.0	7.2	7.1	6.8	6.9	6.3	5.9	6.1
2	7.2	6.9	7.0	7.3	7.0	7.1	7.1	6.9	6.9	6.4	5.9	6.2
3	7.2	6.9	7.0	7.3	7.0	7.1	7.0	6.8	6.9	6.3	5.9	6.1
4	7.2	6.9	7.0	7.2	6.9	7.0	7.2	6.8	7.0	6.2	6.0	6.1
5	7.3	6.9	7.1	7.2	6.9	7.0	7.2	6.9	7.1	6.2	6.0	6.1
6	7.3	7.0	7.1	7.2	6.8	6.9	7.2	6.9	7.0	6.5	6.1	6.2
7	7.3	7.0	7.1	7.2	6.8	7.0	7.4	6.9	7.2	6.7	6.0	6.3
8	7.2	6.9	7.0	7.2	6.9	7.1	7.4	6.9	7.2	6.6	6.0	6.3
9	7.1	6.8	7.0	7.2	6.9	7.1	7.3	6.7	7.1	6.3	6.0	6.1
10	7.2	6.8	7.0	7.3	6.9	7.1	7.3	6.8	7.1	6.3	6.0	6.1
11	7.2	6.8	7.0	7.3	6.9	7.1	7.2	6.8	7.1	6.3	6.0	6.1
12	7.2	6.7	7.0	7.4	6.9	7.1	7.2	6.8	7.1	6.3	5.9	6.1
13	7.3	6.9	7.1	7.4	6.9	7.1	7.2	6.6	7.0	6.2	5.9	6.1
14	7.3	6.9	7.1	7.3	6.8	7.1	7.1	6.6	6.9	6.2	5.9	6.1
15	7.3	7.0	7.1	7.2	6.8	7.0	7.0	6.4	6.7	6.2	5.9	6.0
16	7.3	6.9	7.1	7.2	6.8	7.0	6.8	6.3	6.5	6.2	5.8	6.0
17	7.3	6.9	7.0	7.2	6.9	7.0	6.5	6.2	6.3	6.2	5.8	6.1
18	7.3	7.0	7.1	7.2	6.8	7.0	6.5	6.2	6.3	6.2	5.9	6.0
19	7.3	6.9	7.1	7.1	6.8	7.0	6.6	6.0	6.3	6.1	5.8	6.0
20	7.4	6.9	7.1	7.1	6.8	7.0	6.3	5.8	6.0	7.0	5.9	6.3
21	7.4	6.9	7.2	7.2	6.9	7.1	6.1	5.8	6.0	7.2	6.0	6.6
22	7.3	6.9	7.1	7.2	6.9	7.1	6.0	5.7	5.8	6.9	5.8	6.5
23	7.3	6.8	7.1	7.3	7.0	7.1	6.0	5.7	5.9	6.6	5.9	6.3
24	7.3	6.9	7.1	7.2	6.9	7.1	6.1	5.7	5.9	6.8	5.9	6.3
25	7.3	6.9	7.1	7.2	6.8	7.1	6.1	5.6	5.8	6.9	6.0	6.4
26	7.3	7.0	7.1	7.3	6.9	7.1	6.4	5.7	6.0	6.9	6.0	6.5
27	7.3	6.9	7.1	7.3	6.9	7.1	6.5	5.8	6.1	7.0	6.3	6.6
28	7.3	6.9	7.1	7.2	6.8	7.1	6.5	5.8	6.2	7.0	6.6	6.7
29	7.2	6.8	7.0	7.1	6.7	7.0	6.6	6.0	6.3	6.7	6.2	6.5
30	7.4	6.9	7.1	7.1	6.7	6.9	6.6	6.0	6.4	6.9	6.2	6.6
31	---	---	---	7.1	6.8	6.9	6.4	5.9	6.2	---	---	---
MONTH	7.4	6.7	7.1	7.4	6.7	7.1	7.4	5.6	6.6	7.2	5.8	6.2

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.0	6.5	6.7	7.3	6.9	7.1	7.4	7.1	7.2	---	---	---
2	7.0	6.5	6.7	7.4	7.0	7.2	---	---	---	---	---	---
3	6.8	6.3	6.6	7.4	7.0	7.2	---	---	---	---	---	---
4	7.0	6.3	6.7	7.6	7.1	7.3	---	---	---	---	---	---
5	7.1	6.3	6.7	7.6	7.0	7.3	---	---	---	---	---	---
6	7.2	6.4	6.8	7.6	7.2	7.4	---	---	---	---	---	---
7	7.5	6.5	6.9	7.5	7.2	7.3	---	---	---	---	---	---
8	7.6	6.7	7.1	7.4	7.1	7.3	---	---	---	---	---	---
9	---	---	---	7.5	7.2	7.4	---	---	---	---	---	---
10	---	---	---	7.6	7.3	7.4	---	---	---	---	---	---
11	7.2	6.8	7.1	7.6	7.3	7.4	---	---	---	---	---	---
12	7.2	6.9	7.0	7.6	7.3	7.4	---	---	---	---	---	---
13	7.1	6.9	7.0	7.5	7.2	7.3	---	---	---	---	---	---
14	---	---	---	7.6	7.2	7.4	---	---	---	---	---	---
15	---	---	---	7.6	7.3	7.4	---	---	---	---	---	---
16	7.1	6.8	6.9	7.6	7.3	7.4	---	---	---	---	---	---
17	7.1	6.7	6.9	7.5	7.2	7.4	---	---	---	---	---	---
18	7.1	6.7	6.9	7.4	7.1	7.3	---	---	---	---	---	---
19	7.1	6.7	6.9	7.4	7.1	7.2	---	---	---	---	---	---
20	7.2	6.7	7.0	7.4	7.1	7.2	---	---	---	---	---	---
21	7.4	6.8	7.1	7.3	7.0	7.2	---	---	---	---	---	---
22	7.5	7.1	7.3	7.3	7.0	7.2	---	---	---	---	---	---
23	7.6	7.2	7.3	7.4	7.1	7.2	---	---	---	---	---	---
24	7.5	7.2	7.4	7.4	7.1	7.2	---	---	---	---	---	---
25	7.4	7.2	7.3	7.4	7.1	7.2	---	---	---	---	---	---
26	7.4	7.1	7.2	7.3	7.0	7.2	---	---	---	---	---	---
27	7.4	7.1	7.2	7.4	7.1	7.2	---	---	---	---	---	---
28	7.3	7.0	7.2	7.4	7.1	7.2	---	---	---	---	---	---
29	7.4	7.0	7.2	7.3	7.0	7.2	---	---	---	---	---	---
30	7.3	7.0	7.2	7.5	7.0	7.2	---	---	---	---	---	---
31	7.3	7.0	7.2	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	7.6	6.9	7.3	---	---	---	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	25.4	24.7	25.0
12	---	---	---	---	---	---	---	---	---	24.8	24.3	24.6
13	---	---	---	---	---	---	---	---	---	24.4	24.0	24.2
14	---	---	---	---	---	---	---	---	---	25.2	23.8	24.2
15	---	---	---	---	---	---	---	---	---	25.6	24.0	24.5
16	---	---	---	---	---	---	---	---	---	25.4	24.4	24.7
17	---	---	---	---	---	---	---	---	---	24.8	23.9	24.4
18	---	---	---	---	---	---	---	---	---	24.3	22.7	23.7
19	---	---	---	---	---	---	---	---	---	24.0	22.7	23.3
20	---	---	---	---	---	---	---	---	---	24.2	23.2	23.7
21	---	---	---	---	---	---	---	---	---	24.4	23.6	23.9
22	---	---	---	---	---	---	---	---	---	24.5	23.8	24.1
23	---	---	---	---	---	---	---	---	---	24.5	23.9	24.2
24	---	---	---	---	---	---	---	---	---	24.7	23.6	24.1
25	---	---	---	---	---	---	---	---	---	24.8	23.7	24.3
26	---	---	---	---	---	---	---	---	---	24.4	23.8	24.1
27	---	---	---	---	---	---	---	---	---	24.7	23.5	24.0
28	---	---	---	---	---	---	---	---	---	24.8	23.8	24.2
29	---	---	---	---	---	---	---	---	---	24.2	23.1	23.7
30	---	---	---	---	---	---	---	---	---	23.3	22.4	22.9
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.8	21.7	22.3	17.6	17.0	17.3	14.2	12.9	13.5	7.9	7.3	7.6
2	22.2	21.6	22.0	17.3	16.8	17.1	13.7	12.6	13.0	8.3	7.5	7.9
3	---	---	---	17.6	16.9	17.3	13.2	12.1	12.6	8.9	7.8	8.3
4	21.7	20.9	21.4	18.0	17.3	17.6	12.7	11.7	12.1	9.6	8.4	9.0
5	21.8	21.0	21.4	18.3	17.7	18.0	12.5	11.4	12.0	10.9	9.3	10.0
6	21.8	21.1	21.4	18.8	18.1	18.5	11.9	10.8	11.5	10.8	9.9	10.4
7	21.6	21.3	21.4	19.1	18.7	18.9	11.6	10.6	11.0	10.4	9.6	9.9
8	21.5	21.1	21.3	19.1	18.6	18.9	11.1	10.3	10.7	10.4	9.2	9.7
9	21.2	20.8	21.0	18.7	17.6	18.1	11.0	9.8	10.5	10.2	9.0	9.5
10	---	---	---	18.4	17.0	17.5	11.4	10.1	10.8	9.7	8.2	8.8
11	21.1	20.6	20.9	18.2	16.9	17.5	11.3	10.6	10.9	9.2	7.5	8.2
12	21.3	20.4	20.8	18.4	17.1	17.6	10.8	9.8	10.2	8.6	7.4	8.0
13	21.9	20.4	21.1	17.8	16.8	17.3	10.2	9.4	9.8	8.4	7.4	7.8
14	21.5	20.6	21.1	16.9	15.8	16.4	10.0	8.7	9.4	8.1	7.4	7.8
15	21.4	20.2	20.6	16.8	15.5	16.0	8.8	8.2	8.5	8.2	7.6	7.8
16	21.0	19.8	20.2	16.7	15.3	15.9	8.7	8.2	8.4	7.9	7.1	7.6
17	20.8	19.5	20.1	16.6	15.4	16.1	9.0	8.4	8.8	7.7	6.9	7.5
18	20.5	19.5	19.9	16.6	15.7	16.2	8.6	8.1	8.3	8.7	7.3	8.0
19	20.5	19.0	19.8	17.1	16.2	16.7	8.2	7.6	7.9	8.6	7.8	8.1
20	20.3	19.0	19.7	16.5	15.7	16.1	8.0	7.2	7.6	8.0	7.3	7.8
21	20.4	19.2	19.7	16.3	15.6	15.9	7.4	6.7	7.0	7.9	7.1	7.6
22	20.2	19.1	19.8	16.1	15.3	15.7	6.9	6.4	6.7	7.9	7.0	7.4
23	19.9	18.9	19.4	16.0	14.9	15.5	7.0	6.3	6.7	7.8	6.8	7.3
24	19.4	18.7	19.0	15.9	14.7	15.5	7.6	6.8	7.2	8.0	6.7	7.3
25	18.9	18.1	18.5	15.8	14.9	15.4	7.6	7.1	7.3	7.4	6.6	7.0
26	19.1	18.0	18.7	15.8	14.6	15.2	7.3	6.9	7.1	7.2	6.1	6.5
27	19.6	18.3	19.1	15.8	14.6	15.2	7.3	6.8	7.1	6.6	6.0	6.2
28	19.5	18.7	19.2	16.1	14.7	15.4	7.3	6.8	7.1	6.4	5.6	5.9
29	19.5	18.5	19.0	15.6	13.8	14.5	7.4	6.9	7.1	6.3	5.3	5.8
30	19.0	17.8	18.2	14.7	13.4	14.0	7.7	7.1	7.4	6.0	5.5	5.7
31	18.0	17.1	17.6	---	---	---	7.9	7.2	7.5	5.8	5.1	5.5
MONTH	---	---	---	19.1	13.4	16.6	14.2	6.3	9.2	10.9	5.1	7.8
		FEBRUARY			MARCH			APRIL			MAY	
1	5.7	5.0	5.3	8.8	8.0	8.5	15.8	14.9	15.4	21.9	21.5	21.7
2	5.9	4.9	5.5	9.4	8.3	8.8	15.5	14.8	15.2	22.4	21.6	21.9
3	6.8	5.4	6.2	10.0	8.9	9.5	15.7	14.8	15.2	22.3	21.6	22.0
4	6.6	5.7	6.1	10.9	9.5	10.2	15.9	15.1	15.4	21.8	21.2	21.6
5	6.7	5.7	6.2	12.1	10.7	11.4	15.6	14.8	15.2	21.9	21.0	21.4
6	8.0	6.1	6.9	13.6	12.0	12.8	16.1	14.7	15.2	22.4	21.1	21.5
7	8.8	7.5	8.1	14.5	13.4	13.9	16.6	14.9	15.5	22.7	21.1	21.6
8	8.2	7.4	7.8	14.8	13.8	14.2	17.4	15.5	16.1	22.6	21.3	21.7
9	7.8	7.5	7.7	14.6	13.9	14.2	17.7	16.0	16.6	22.9	21.6	21.9
10	8.1	7.5	7.8	14.4	13.6	14.1	17.4	16.4	16.9	22.9	21.9	22.2
11	8.2	7.6	7.9	14.6	13.0	13.5	18.3	16.8	17.4	22.8	22.2	22.4
12	8.0	7.8	7.9	14.4	12.9	13.6	18.1	17.4	17.7	23.2	22.4	22.8
13	8.2	7.6	7.8	14.5	13.1	13.7	18.6	17.7	18.1	23.2	22.8	23.0
14	8.3	7.6	8.0	14.6	13.0	13.7	---	---	---	23.6	22.8	23.2
15	8.4	7.8	8.1	14.9	13.3	14.1	---	---	---	24.0	23.4	23.6
16	8.5	7.7	8.1	14.9	13.5	14.2	18.1	17.3	17.7	24.7	23.6	24.0
17	8.4	7.3	7.8	14.9	13.8	14.3	18.7	17.5	18.0	24.9	24.0	24.4
18	8.1	7.3	7.7	14.8	13.8	14.2	19.2	17.9	18.5	24.8	24.4	24.6
19	8.3	7.3	7.8	15.5	14.0	14.6	19.7	18.4	19.0	25.6	24.4	24.8
20	8.7	7.6	8.1	15.4	14.2	14.8	20.6	18.8	19.4	27.4	24.8	25.2
21	9.4	8.1	8.8	15.8	14.7	15.1	20.5	19.2	19.8	27.0	25.0	25.5
22	9.5	8.5	9.1	15.3	14.5	14.9	20.9	19.7	20.3	27.1	25.2	25.8
23	9.7	8.9	9.3	15.1	13.9	14.4	21.7	20.2	20.7	26.9	25.6	26.1
24	9.6	9.3	9.5	15.0	13.7	14.3	22.1	20.8	21.3	27.4	25.7	26.4
25	9.8	9.3	9.5	15.4	13.9	14.6	22.4	21.0	21.6	27.5	26.0	26.6
26	9.5	8.7	9.0	15.8	14.2	15.0	22.3	21.2	21.8	27.6	26.3	26.8
27	9.1	8.2	8.5	16.0	14.5	15.2	22.2	21.4	21.8	27.6	26.5	27.0
28	8.9	7.4	8.3	16.2	14.7	15.5	22.1	20.6	21.4	27.6	26.6	27.1
29	9.2	7.8	8.5	15.6	14.4	15.0	22.0	20.8	21.4	27.7	26.9	27.3
30	---	---	---	15.5	14.4	15.0	22.3	21.1	21.7	27.4	26.7	27.0
31	---	---	---	15.9	14.9	15.4	---	---	---	27.3	26.8	27.1
MONTH	9.8	4.9	7.8	16.2	8.0	13.6	---	---	---	27.7	21.0	24.1

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.8	26.8	27.2	29.0	28.2	28.5	29.6	28.9	29.2	26.9	26.4	26.6
2	27.9	27.1	27.4	28.8	28.4	28.6	29.7	29.0	29.3	26.8	26.0	26.4
3	28.2	27.2	27.6	29.0	28.2	28.5	29.9	28.8	29.3	26.3	25.8	26.1
4	28.0	27.4	27.6	29.4	28.2	28.6	30.4	28.9	29.4	26.3	25.4	25.9
5	28.3	27.2	27.7	30.1	28.4	28.9	30.3	29.1	29.6	26.3	25.4	25.9
6	28.0	27.3	27.6	30.4	28.7	29.3	29.7	28.7	29.1	26.1	25.5	25.7
7	28.2	27.3	27.7	30.5	29.0	29.4	28.9	27.5	28.5	25.6	25.3	25.4
8	28.2	27.4	27.8	29.9	29.2	29.5	28.8	27.6	28.3	25.6	25.1	25.3
9	28.0	27.5	27.8	29.9	28.9	29.3	28.6	27.4	28.1	25.7	25.2	25.4
10	28.2	27.3	27.7	30.0	29.0	29.5	28.7	27.5	28.1	25.8	25.5	25.6
11	28.4	27.5	27.9	30.1	29.1	29.5	28.3	27.7	28.0	25.6	25.2	25.4
12	28.3	27.5	28.0	29.6	29.1	29.4	28.1	27.4	27.8	25.5	24.8	25.1
13	28.0	27.3	27.7	30.0	29.1	29.5	27.6	27.2	27.4	25.1	24.6	24.9
14	28.1	27.3	27.7	30.1	29.3	29.7	27.3	26.3	26.9	24.8	24.1	24.4
15	28.3	27.4	27.8	30.3	29.4	29.8	26.8	25.4	26.0	24.4	23.9	24.2
16	28.2	27.6	27.9	30.3	29.4	29.8	25.8	25.0	25.2	24.5	24.1	24.3
17	27.9	27.5	27.7	29.8	29.3	29.5	25.2	24.3	24.7	25.0	24.2	24.6
18	29.1	27.4	27.9	30.0	29.0	29.3	24.9	23.9	24.5	24.8	23.8	24.3
19	29.4	27.9	28.4	30.1	28.7	29.3	25.3	24.0	24.5	24.0	23.2	23.5
20	28.7	28.0	28.3	30.5	28.8	29.4	25.0	24.1	24.6	23.7	22.6	23.1
21	29.0	27.5	28.0	30.5	28.9	29.5	25.0	24.4	24.8	23.5	22.1	22.8
22	29.2	27.7	28.3	30.2	29.1	29.6	25.2	24.5	24.9	23.2	22.3	22.8
23	29.8	28.0	28.6	30.0	29.1	29.5	25.4	24.5	25.0	23.0	22.4	22.7
24	29.2	28.2	28.7	30.0	29.1	29.6	25.7	24.9	25.3	23.0	22.5	22.8
25	29.4	28.2	28.8	29.7	29.0	29.5	25.9	25.2	25.5	23.2	22.5	22.9
26	29.0	28.3	28.6	30.0	29.1	29.5	26.0	25.4	25.7	23.2	22.6	23.0
27	28.7	28.2	28.5	30.0	29.2	29.5	26.3	25.6	25.9	23.8	22.8	23.3
28	28.9	28.2	28.5	29.6	29.1	29.4	26.6	25.8	26.2	24.2	23.5	23.8
29	29.1	28.3	28.6	29.2	28.7	29.0	26.7	26.1	26.4	24.4	23.5	23.9
30	28.8	28.3	28.6	29.6	28.6	29.1	27.0	26.1	26.4	24.4	23.7	24.0
31	---	---	---	29.7	28.9	29.2	27.2	26.3	26.6	---	---	---
MONTH	29.8	26.8	28.0	30.5	28.2	29.3	30.4	23.9	26.8	26.9	22.1	24.5

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.5	23.9	24.2	20.9	19.8	20.1	15.0	14.5	14.7	---	---	---
2	25.1	24.0	24.4	21.2	20.1	20.4	---	---	---	---	---	---
3	25.0	24.1	24.5	21.1	20.4	20.6	---	---	---	---	---	---
4	24.9	23.9	24.4	21.1	20.4	20.7	---	---	---	---	---	---
5	24.6	23.7	24.2	20.8	20.0	20.4	---	---	---	---	---	---
6	24.4	23.5	24.0	20.5	19.5	20.1	---	---	---	---	---	---
7	24.3	22.8	23.7	20.3	19.4	19.9	---	---	---	---	---	---
8	24.4	22.8	23.6	20.0	19.3	19.7	---	---	---	---	---	---
9	---	---	---	19.7	18.3	19.1	---	---	---	---	---	---
10	---	---	---	18.8	17.7	18.4	---	---	---	---	---	---
11	23.8	23.0	23.5	18.0	17.7	17.8	---	---	---	---	---	---
12	23.5	22.8	23.2	17.9	17.5	17.7	---	---	---	---	---	---
13	23.5	22.8	23.2	17.8	16.9	17.4	---	---	---	---	---	---
14	---	---	---	17.1	16.0	16.4	---	---	---	---	---	---
15	---	---	---	16.2	15.4	15.7	---	---	---	---	---	---
16	22.4	21.4	21.8	15.5	14.9	15.1	---	---	---	---	---	---
17	21.8	21.0	21.4	15.0	14.4	14.7	---	---	---	---	---	---
18	21.8	20.9	21.3	14.7	14.1	14.5	---	---	---	---	---	---
19	22.0	21.2	21.5	14.7	13.9	14.3	---	---	---	---	---	---
20	21.9	21.6	21.7	14.9	13.9	14.4	---	---	---	---	---	---
21	21.7	21.2	21.5	15.1	13.8	14.5	---	---	---	---	---	---
22	21.5	20.6	21.2	15.1	14.2	14.7	---	---	---	---	---	---
23	21.1	20.2	20.8	15.2	14.4	14.9	---	---	---	---	---	---
24	20.6	20.0	20.3	15.6	14.7	15.2	---	---	---	---	---	---
25	20.1	19.7	19.9	16.2	15.3	15.7	---	---	---	---	---	---
26	19.7	19.4	19.6	15.6	14.9	15.3	---	---	---	---	---	---
27	19.6	19.0	19.4	15.4	14.6	15.0	---	---	---	---	---	---
28	19.6	19.2	19.4	15.4	14.9	15.1	---	---	---	---	---	---
29	19.4	19.0	19.1	15.2	14.5	14.8	---	---	---	---	---	---
30	20.2	18.9	19.4	15.0	14.2	14.6	---	---	---	---	---	---
31	20.8	19.4	19.8	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	21.2	13.8	16.9	---	---	---	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	25.5	24.9	25.1
12	---	---	---	---	---	---	---	---	---	24.9	24.5	24.6
13	---	---	---	---	---	---	---	---	---	24.5	24.2	24.3
14	---	---	---	---	---	---	---	---	---	25.1	23.9	24.2
15	---	---	---	---	---	---	---	---	---	25.4	24.1	24.5
16	---	---	---	---	---	---	---	---	---	25.3	24.2	24.6
17	---	---	---	---	---	---	---	---	---	24.8	24.0	24.4
18	---	---	---	---	---	---	---	---	---	24.6	23.1	24.1
19	---	---	---	---	---	---	---	---	---	23.9	22.8	23.4
20	---	---	---	---	---	---	---	---	---	24.0	23.3	23.7
21	---	---	---	---	---	---	---	---	---	24.2	23.6	23.8
22	---	---	---	---	---	---	---	---	---	24.4	23.7	24.0
23	---	---	---	---	---	---	---	---	---	24.5	24.0	24.2
24	---	---	---	---	---	---	---	---	---	24.7	23.9	24.2
25	---	---	---	---	---	---	---	---	---	24.7	23.9	24.3
26	---	---	---	---	---	---	---	---	---	24.3	23.9	24.1
27	---	---	---	---	---	---	---	---	---	24.6	23.5	24.0
28	---	---	---	---	---	---	---	---	---	24.7	23.8	24.2
29	---	---	---	---	---	---	---	---	---	24.2	23.2	23.7
30	---	---	---	---	---	---	---	---	---	23.3	22.4	22.9
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.7	21.7	22.3	17.7	17.0	17.3	14.7	13.2	13.9	8.3	7.5	7.8
2	22.4	21.6	22.0	17.4	16.8	17.1	14.4	12.8	13.5	8.8	7.6	8.1
3	---	---	---	17.8	17.0	17.3	14.0	12.3	13.1	9.1	7.9	8.6
4	21.8	20.9	21.4	18.0	17.3	17.7	13.4	12.0	12.7	9.6	8.5	9.1
5	21.6	21.1	21.4	18.3	17.7	18.0	12.9	11.9	12.4	10.6	9.3	10
6	21.6	21.2	21.4	18.9	18.1	18.5	12.4	11.3	11.9	10.8	10.1	10.5
7	21.6	21.3	21.4	19.1	18.7	18.9	11.9	10.9	11.4	10.9	9.9	10.3
8	21.5	21.2	21.3	19.2	18.7	19.0	11.4	10.6	11.0	11.0	9.4	10.1
9	21.3	20.8	21.0	19.1	17.7	18.3	11.1	10.3	10.7	10.4	9.2	9.8
10	---	---	---	18.9	17.1	17.8	11.3	10.3	10.9	10.1	8.4	9.2
11	21.2	20.6	20.9	18.5	17.0	17.7	11.3	10.7	11.1	9.7	7.8	8.7
12	21.3	20.3	20.9	18.2	17.2	17.7	11.1	10.1	10.4	9.0	7.7	8.3
13	21.8	20.4	21.0	18.0	16.8	17.4	10.6	9.5	10.0	8.5	7.5	8.1
14	21.4	20.6	21.1	17.5	16.1	16.7	10.8	8.8	9.8	8.2	7.6	7.9
15	21.4	20.2	20.7	17.4	15.6	16.4	9.6	8.3	8.7	8.0	7.7	7.9
16	21.0	19.7	20.4	17.1	15.3	16.3	8.8	8.3	8.5	8.0	7.3	7.7
17	21.1	19.4	20.2	16.9	15.5	16.4	9.1	8.4	8.8	7.8	7.2	7.6
18	21.2	19.4	20.3	16.8	15.8	16.5	8.7	8.2	8.4	8.5	7.6	8.0
19	21.1	19.4	20.3	17.0	16.3	16.7	8.3	7.8	8.0	8.5	7.8	8.2
20	20.7	19.1	20.0	16.7	15.9	16.3	8.1	7.4	7.7	8.2	7.4	8.0
21	20.5	19.2	19.9	16.5	15.7	16.1	7.5	6.8	7.1	8.0	7.4	7.7
22	20.4	19.2	19.9	16.2	15.4	15.8	7.0	6.5	6.8	7.9	7.2	7.6
23	20.0	19.0	19.5	16.0	14.9	15.6	7.1	6.5	6.8	7.7	7.2	7.4
24	19.5	18.7	19.0	16.0	14.7	15.6	7.8	6.9	7.3	7.9	7.0	7.4
25	19.0	18.1	18.6	16.0	15.0	15.5	7.7	7.2	7.4	7.6	6.8	7.2
26	19.1	18.0	18.7	15.9	14.7	15.3	7.5	7.0	7.2	7.4	6.3	6.8
27	19.6	18.4	19.0	15.8	14.7	15.3	7.4	7.0	7.2	7.0	6.2	6.5
28	19.5	18.8	19.2	16.1	14.8	15.5	7.4	6.9	7.2	6.9	5.7	6.2
29	19.5	18.4	19.0	15.8	13.9	14.7	7.5	7.1	7.2	6.6	5.6	6.1
30	19.2	17.8	18.3	15.1	13.6	14.3	7.8	7.2	7.5	6.4	5.5	6.0
31	18.2	17.1	17.6	---	---	---	7.9	7.4	7.6	6.3	5.4	5.9
MONTH	---	---	---	19.2	13.6	16.7	14.7	6.5	9.4	11.0	5.4	8.0
		FEBRUARY			MARCH			APRIL			MAY	
1	6.2	5.2	5.7	8.9	8.3	8.5	15.8	15.1	15.4	21.9	21.4	21.7
2	6.2	5.2	5.8	9.5	8.5	8.9	15.5	15.0	15.2	22.3	21.6	21.9
3	6.7	5.6	6.3	10.1	9.0	9.6	15.6	15.0	15.2	22.4	21.7	22.1
4	6.5	5.8	6.3	10.9	9.5	10.2	16.0	15.1	15.4	21.8	21.4	21.7
5	6.6	5.9	6.3	12.2	10.8	11.4	15.7	14.9	15.2	21.8	21.0	21.4
6	7.8	6.3	6.9	13.6	12.1	12.9	16.0	14.8	15.3	22.1	21.1	21.5
7	8.6	7.3	8.0	14.6	13.5	14.0	16.4	15.0	15.5	22.4	21.0	21.5
8	8.2	7.6	7.9	14.8	13.8	14.2	17.0	15.4	16.0	22.5	21.1	21.6
9	7.9	7.6	7.8	14.6	14.0	14.3	17.8	16.0	16.5	22.6	21.5	21.8
10	8.2	7.6	7.9	14.6	13.6	14.1	17.4	16.3	16.8	22.7	21.8	22.1
11	8.2	7.6	8.0	14.1	13.0	13.5	18.1	16.8	17.3	22.8	22.1	22.4
12	8.1	7.9	7.9	14.5	13.0	13.5	18.0	17.2	17.7	23.1	22.3	22.7
13	8.2	7.7	7.9	14.6	13.1	13.7	18.5	17.7	18.1	23.2	22.7	23.0
14	8.4	7.8	8.1	14.7	13.1	13.6	18.6	17.6	18.1	23.6	22.8	23.2
15	8.5	7.9	8.2	15.0	13.1	14.0	17.8	17.3	17.6	24.0	23.4	23.6
16	8.6	7.8	8.2	15.0	13.4	14.1	18.1	17.4	17.7	24.3	23.7	24.0
17	8.5	7.6	7.9	15.0	13.7	14.3	18.7	17.6	18.0	24.9	24.0	24.4
18	8.1	7.5	7.8	14.9	13.8	14.3	19.3	17.9	18.5	24.9	24.4	24.6
19	8.3	7.4	7.8	15.6	14.1	14.7	19.8	18.4	19.0	25.2	24.4	24.8
20	8.7	7.7	8.2	15.4	14.3	14.8	20.2	18.8	19.4	26.3	24.8	25.1
21	9.5	8.2	8.8	15.8	14.8	15.2	20.5	19.3	19.8	26.2	25.0	25.3
22	9.6	8.6	9.2	15.3	14.6	15.0	20.9	19.7	20.3	26.8	25.2	25.6
23	9.8	8.9	9.3	15.2	14.1	14.5	21.3	20.3	20.7	26.9	25.5	25.9
24	9.7	9.4	9.6	15.0	13.8	14.4	22.1	20.8	21.2	27.2	25.8	26.2
25	9.8	9.3	9.5	15.3	13.9	14.5	22.2	21.0	21.4	27.3	26.0	26.4
26	9.6	8.8	9.2	15.8	14.2	14.9	22.3	21.1	21.6	27.2	26.2	26.6
27	9.5	8.3	8.8	15.9	14.4	15.0	22.1	21.2	21.6	27.2	26.5	26.8
28	8.9	7.9	8.5	15.9	14.5	15.1	21.8	21.0	21.3	27.3	26.6	26.9
29	8.8	8.1	8.5	15.2	14.5	14.9	21.6	20.8	21.3	27.5	26.9	27.1
30	---	---	---	15.2	14.7	15.0	22.0	21.2	21.6	27.1	26.7	27.0
31	---	---	---	15.7	15.0	15.3	---	---	---	27.2	26.9	27.0
MONTH	9.8	5.2	7.9	15.9	8.3	13.6	22.3	14.8	18.3	27.5	21.0	24.1

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.5	26.9	27.2	29.0	28.2	28.5	29.5	28.9	29.2	26.9	26.4	26.6
2	27.8	27.1	27.4	28.8	28.4	28.5	29.7	29.0	29.3	26.8	26.0	26.3
3	28.1	27.2	27.5	29.0	28.2	28.5	29.8	28.9	29.3	26.3	25.6	26.1
4	27.9	27.3	27.6	29.3	28.2	28.6	30.3	28.9	29.3	26.3	25.3	25.9
5	28.2	27.2	27.6	29.7	28.4	28.8	30.2	29.2	29.5	26.3	25.3	25.8
6	27.9	27.3	27.5	30.2	28.7	29.1	29.7	28.9	29.2	26.1	25.3	25.7
7	28.1	27.3	27.6	30.1	28.9	29.3	29.2	27.9	28.7	26.0	25.3	25.5
8	28.1	27.4	27.7	29.7	29.2	29.4	28.8	27.7	28.4	25.6	25.1	25.4
9	28.0	27.5	27.7	29.5	29.0	29.3	28.4	27.9	28.2	25.7	25.2	25.4
10	27.9	27.4	27.7	29.6	29.2	29.5	28.1	27.8	28.0	25.8	25.5	25.6
11	28.2	27.6	27.9	29.7	29.3	29.6	28.2	27.8	28.0	25.6	25.2	25.4
12	28.2	27.7	28.0	29.7	29.3	29.5	28.0	27.5	27.9	25.5	24.8	25.1
13	28.0	27.5	27.8	29.7	29.3	29.5	27.7	27.4	27.5	25.2	24.6	24.9
14	28.0	27.4	27.7	30.0	29.4	29.7	27.6	26.5	27.1	24.8	24.1	24.4
15	28.1	27.6	27.8	30.1	29.6	29.8	27.0	25.3	26.1	24.4	23.9	24.2
16	28.1	27.7	27.8	30.1	29.6	29.8	26.0	25.0	25.2	24.5	24.0	24.3
17	27.8	27.6	27.7	29.9	29.4	29.6	25.1	24.2	24.6	25.0	24.2	24.5
18	28.7	27.5	27.9	29.6	29.1	29.3	24.8	23.9	24.4	24.8	23.8	24.3
19	29.1	27.9	28.2	29.6	28.9	29.2	25.1	23.9	24.5	24.0	23.2	23.5
20	28.7	27.9	28.2	30.1	29.0	29.3	24.9	24.0	24.5	24.3	22.6	23.2
21	28.6	27.6	28.0	30.0	29.0	29.4	25.0	24.4	24.7	23.9	22.2	23.1
22	28.8	27.9	28.2	29.9	29.1	29.4	25.1	24.5	24.8	23.6	22.3	22.9
23	29.0	28.1	28.4	29.8	29.1	29.4	25.4	24.5	25.0	23.1	22.4	22.8
24	28.8	28.2	28.5	29.7	29.2	29.4	25.6	24.9	25.3	23.1	22.6	22.8
25	28.9	28.2	28.5	29.6	29.1	29.4	25.8	25.1	25.4	23.3	22.6	22.9
26	28.8	28.3	28.5	29.5	29.1	29.4	26.1	25.4	25.7	23.3	22.8	23.0
27	28.5	28.3	28.4	29.6	29.2	29.4	26.3	25.6	25.9	23.7	22.9	23.3
28	28.6	28.2	28.4	29.4	29.1	29.3	26.6	25.8	26.2	24.1	23.5	23.8
29	28.8	28.3	28.5	29.2	28.7	29.0	26.7	26.1	26.4	24.4	23.5	23.9
30	28.8	28.3	28.5	29.4	28.7	29.0	26.8	26.1	26.4	24.4	23.7	24.1
31	---	---	---	29.5	28.9	29.2	27.0	26.3	26.6	---	---	---
MONTH	29.1	26.9	27.9	30.2	28.2	29.3	30.3	23.9	26.8	26.9	22.2	24.5

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.5	24.0	24.2	20.6	19.7	20.0	15.1	14.6	14.8	---	---	---
2	25.1	24.0	24.4	20.8	20.0	20.3	---	---	---	---	---	---
3	25.0	24.2	24.5	20.8	20.3	20.5	---	---	---	---	---	---
4	24.9	24.2	24.5	20.9	20.5	20.7	---	---	---	---	---	---
5	24.8	24.0	24.4	21.0	20.3	20.6	---	---	---	---	---	---
6	25.0	23.7	24.3	20.9	19.7	20.4	---	---	---	---	---	---
7	25.2	23.6	24.3	20.6	19.6	20.1	---	---	---	---	---	---
8	25.0	23.5	24.2	20.3	19.4	19.8	---	---	---	---	---	---
9	---	---	---	20.0	18.5	19.3	---	---	---	---	---	---
10	---	---	---	19.1	17.8	18.6	---	---	---	---	---	---
11	23.8	23.2	23.6	18.2	17.8	17.9	---	---	---	---	---	---
12	23.4	23.0	23.2	17.9	17.5	17.8	---	---	---	---	---	---
13	23.4	22.9	23.1	17.8	17.1	17.5	---	---	---	---	---	---
14	---	---	---	17.2	16.3	16.6	---	---	---	---	---	---
15	---	---	---	16.3	15.6	15.8	---	---	---	---	---	---
16	22.6	21.5	21.9	15.6	15.0	15.2	---	---	---	---	---	---
17	21.9	20.9	21.4	15.0	14.5	14.8	---	---	---	---	---	---
18	21.7	20.9	21.3	14.8	14.3	14.5	---	---	---	---	---	---
19	21.9	21.2	21.4	14.7	14.2	14.4	---	---	---	---	---	---
20	21.8	21.5	21.6	14.8	14.2	14.4	---	---	---	---	---	---
21	21.8	21.2	21.5	15.1	14.2	14.6	---	---	---	---	---	---
22	21.7	20.8	21.3	15.1	14.4	14.7	---	---	---	---	---	---
23	21.4	20.2	20.8	15.2	14.7	14.9	---	---	---	---	---	---
24	20.7	20.0	20.3	15.6	15.0	15.3	---	---	---	---	---	---
25	20.2	19.7	19.9	16.2	15.4	15.8	---	---	---	---	---	---
26	19.7	19.4	19.6	15.7	15.1	15.5	---	---	---	---	---	---
27	19.6	19.1	19.3	15.4	14.7	15.1	---	---	---	---	---	---
28	19.5	19.2	19.3	15.4	15.1	15.2	---	---	---	---	---	---
29	19.4	19.0	19.1	15.3	14.6	14.9	---	---	---	---	---	---
30	19.9	18.9	19.3	15.1	14.4	14.8	---	---	---	---	---	---
31	20.4	19.4	19.7	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	21.0	14.2	17.0	---	---	---	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	5.8	5.2	5.5
12	---	---	---	---	---	---	---	---	---	5.6	5.3	5.5
13	---	---	---	---	---	---	---	---	---	5.5	5.2	5.3
14	---	---	---	---	---	---	---	---	---	5.4	5.0	5.2
15	---	---	---	---	---	---	---	---	---	5.2	4.9	5.0
16	---	---	---	---	---	---	---	---	---	5.1	4.8	4.9
17	---	---	---	---	---	---	---	---	---	5.2	4.6	4.9
18	---	---	---	---	---	---	---	---	---	5.5	4.7	5.2
19	---	---	---	---	---	---	---	---	---	5.3	4.8	5.0
20	---	---	---	---	---	---	---	---	---	5.0	4.6	4.8
21	---	---	---	---	---	---	---	---	---	4.8	4.4	4.6
22	---	---	---	---	---	---	---	---	---	4.9	4.4	4.5
23	---	---	---	---	---	---	---	---	---	4.8	4.3	4.5
24	---	---	---	---	---	---	---	---	---	4.8	4.4	4.5
25	---	---	---	---	---	---	---	---	---	5.4	4.4	5.0
26	---	---	---	---	---	---	---	---	---	5.4	5.0	5.2
27	---	---	---	---	---	---	---	---	---	5.6	5.0	5.2
28	---	---	---	---	---	---	---	---	---	5.5	5.0	5.2
29	---	---	---	---	---	---	---	---	---	5.5	5.0	5.3
30	---	---	---	---	---	---	---	---	---	5.5	4.7	5.3
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	5.6	4.9	5.2	5.9	5.0	5.4	7.7	7.1	7.4	9.7	9.0	9.3
2	5.4	4.8	5.2	5.7	4.2	5.1	7.8	7.1	7.5	9.5	9.0	9.2
3	---	---	---	5.7	4.3	4.9	7.9	7.2	7.6	9.5	8.8	9.0
4	5.3	4.9	5.1	5.4	4.1	4.7	8.1	7.5	7.7	9.5	8.8	9.0
5	5.2	4.6	5.0	5.0	3.8	4.4	8.0	7.6	7.8	9.4	8.8	9.0
6	5.2	4.6	4.9	4.8	3.8	4.3	8.3	7.8	8.0	9.4	8.9	9.1
7	5.1	4.6	4.8	4.6	3.3	4.1	8.4	7.9	8.2	9.4	8.8	9.1
8	5.6	4.7	5.1	4.7	3.3	4.1	8.5	8.0	8.2	9.4	8.1	8.8
9	5.7	4.9	5.3	5.2	3.7	4.5	8.7	8.0	8.2	8.6	8.0	8.3
10	---	---	---	5.4	3.8	4.8	8.6	8.1	8.3	8.7	7.9	8.4
11	5.4	4.6	5.0	5.3	3.6	4.6	8.8	8.2	8.5	8.7	8.1	8.4
12	5.3	4.5	4.9	5.2	3.5	4.5	8.8	8.2	8.4	8.7	8.3	8.5
13	5.2	4.3	4.7	5.6	4.2	5.0	8.8	8.1	8.4	8.8	8.3	8.6
14	5.1	4.1	4.6	5.8	4.9	5.4	9.3	8.5	8.8	8.9	8.5	8.6
15	5.1	4.4	4.7	5.9	5.0	5.4	9.5	8.8	9.0	8.9	8.5	8.7
16	5.0	4.1	4.5	5.8	5.0	5.3	9.4	8.4	8.8	8.9	8.7	8.8
17	4.9	4.1	4.4	5.8	5.0	5.4	9.2	8.4	8.7	9.1	8.6	8.8
18	5.3	4.1	4.7	5.9	5.1	5.5	9.3	8.4	8.8	9.2	8.7	8.8
19	5.4	4.0	4.8	6.5	5.4	6.0	9.4	8.4	8.8	9.2	8.7	8.9
20	5.3	3.5	4.4	6.4	5.8	6.1	9.5	8.5	8.9	9.2	8.8	9.0
21	5.6	3.5	4.6	6.4	6.0	6.1	9.7	8.6	9.1	9.3	8.8	9.0
22	5.6	3.7	4.7	6.5	6.0	6.2	10.0	8.7	9.2	9.4	9.0	9.1
23	5.7	3.9	4.9	6.5	5.8	6.1	10.0	8.8	9.4	9.7	9.1	9.3
24	6.0	4.0	5.1	6.6	5.8	6.3	9.9	9.0	9.4	9.7	9.2	9.4
25	6.1	4.2	5.3	7.0	6.0	6.5	9.9	9.1	9.4	9.9	9.3	9.5
26	6.2	4.2	5.3	7.0	6.2	6.7	9.9	9.1	9.4	9.8	9.3	9.6
27	5.9	4.1	5.1	7.1	6.5	6.8	9.8	9.2	9.5	10.0	9.5	9.8
28	5.7	4.1	5.0	7.2	6.4	6.9	9.8	9.2	9.5	10.2	9.6	9.9
29	6.1	4.3	5.3	7.4	6.8	7.2	9.8	9.1	9.4	10.2	9.8	10.0
30	5.9	4.1	5.2	7.6	7.1	7.3	9.9	9.2	9.4	10.4	10.0	10.1
31	6.8	4.2	5.3	---	---	---	9.9	9.2	9.4	10.3	9.9	10.2
MONTH	---	---	---	7.6	3.3	5.5	10.0	7.1	8.7	10.4	7.9	9.1
		FEBRUARY			MARCH			APRIL			MAY	
1	10.4	10.0	10.2	10.2	9.4	9.7	7.7	7.0	7.3	---	---	---
2	10.5	10.0	10.3	10.5	9.8	10.0	7.6	7.0	7.2	---	---	---
3	10.6	10.1	10.3	10.7	9.9	10.1	7.5	7.0	7.2	---	---	---
4	10.9	10.2	10.5	10.3	9.6	9.9	7.6	7.0	7.2	---	---	---
5	11.0	10.4	10.6	10.0	9.4	9.7	7.8	7.3	7.5	---	---	---
6	11.2	10.5	10.7	9.7	9.2	9.4	7.8	7.3	7.5	---	---	---
7	11.5	10.5	10.8	9.2	8.5	8.9	7.9	7.4	7.6	5.7	4.9	5.2
8	11.5	10.7	11.0	8.9	8.1	8.5	7.8	7.3	7.6	5.5	4.6	5.1
9	11.2	10.8	11.0	8.3	7.8	8.0	7.8	7.3	7.6	5.3	4.4	4.9
10	11.3	10.4	10.8	8.2	7.7	7.9	7.8	7.2	7.5	5.1	4.3	4.7
11	10.9	10.2	10.6	8.2	7.8	8.0	7.7	7.2	7.4	4.8	4.3	4.5
12	10.9	10.3	10.6	8.0	7.6	7.9	7.7	7.1	7.3	4.7	4.2	4.5
13	10.8	10.2	10.5	8.1	7.5	7.8	7.7	7.1	7.4	4.6	3.8	4.2
14	10.6	10.0	10.3	8.3	7.4	7.8	---	---	---	4.5	3.8	4.1
15	10.5	9.8	10.1	8.2	7.4	7.8	---	---	---	4.5	3.9	4.2
16	10.5	9.7	10.1	8.1	7.3	7.7	---	---	---	4.5	4.0	4.2
17	10.6	9.6	10.1	7.9	7.3	7.6	---	---	---	4.5	4.1	4.3
18	10.6	9.7	10.1	7.9	7.3	7.6	---	---	---	4.6	4.1	4.3
19	10.5	9.9	10.2	8.1	7.4	7.7	---	---	---	4.8	4.0	4.4
20	10.8	9.9	10.3	8.1	7.5	7.8	---	---	---	5.0	4.0	4.5
21	10.7	10.1	10.4	8.3	7.6	8.0	---	---	---	4.9	4.4	4.6
22	10.6	9.8	10.2	8.4	7.5	8.0	---	---	---	5.1	4.4	4.6
23	10.5	9.7	10.1	8.4	7.8	8.1	---	---	---	5.3	4.7	4.8
24	10.1	9.6	9.9	8.5	7.5	8.0	---	---	---	---	---	---
25	10.1	9.6	9.8	8.6	7.4	7.9	---	---	---	5.2	4.7	4.9
26	10.1	9.7	9.9	8.4	7.4	7.8	---	---	---	5.4	4.6	4.9
27	10.2	9.4	9.8	8.3	7.4	7.7	---	---	---	5.2	4.8	4.9
28	10.0	9.5	9.7	8.2	7.4	7.6	---	---	---	5.5	4.8	5.0
29	10.1	9.4	9.5	8.0	7.4	7.6	---	---	---	5.0	4.6	4.8
30	---	---	---	8.0	7.2	7.5	---	---	---	5.0	4.5	4.7
31	---	---	---	7.8	7.2	7.4	---	---	---	4.9	4.5	4.6
MONTH	11.5	9.4	10.3	10.7	7.2	8.2	---	---	---	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	4.9	4.3	4.5	4.5	3.7	4.0	4.1	3.4	3.7	4.6	3.3	3.8
2	4.9	4.2	4.5	4.5	3.7	4.0	4.1	3.4	3.7	4.8	3.3	4.1
3	4.7	4.3	4.5	4.2	3.7	3.9	4.4	3.6	4.0	4.7	3.3	4.1
4	4.7	4.2	4.4	4.2	3.5	3.9	4.7	3.9	4.2	4.3	3.1	3.8
5	4.8	4.2	4.4	4.3	3.6	3.9	4.6	3.1	4.2	4.2	3.0	3.8
6	4.5	4.1	4.3	4.1	3.7	3.9	4.9	4.2	4.6	4.4	3.0	3.8
7	4.4	4.0	4.2	4.1	3.5	3.7	4.9	4.2	4.6	4.5	3.1	3.9
8	4.6	3.9	4.2	3.9	3.2	3.6	5.1	4.2	4.5	4.8	3.7	4.4
9	4.5	3.8	4.2	3.9	3.3	3.6	4.9	3.9	4.5	4.7	3.9	4.3
10	4.5	3.7	4.2	4.0	3.3	3.6	5.0	3.9	4.4	4.1	3.4	3.8
11	4.6	3.8	4.2	4.3	3.1	3.7	4.8	3.7	4.2	4.4	3.5	3.8
12	4.8	3.8	4.3	4.2	3.2	3.7	4.7	3.5	4.1	4.2	3.0	3.6
13	4.8	3.9	4.4	4.3	3.3	3.7	5.0	4.0	4.6	3.8	3.1	3.5
14	5.0	3.7	4.4	4.2	3.2	3.7	5.5	4.1	4.9	3.9	3.4	3.7
15	5.1	3.7	4.5	4.2	3.2	3.7	5.4	4.2	5.0	3.9	3.2	3.6
16	4.9	4.2	4.5	4.2	3.4	3.8	5.0	4.2	4.7	3.6	3.1	3.3
17	4.8	4.2	4.4	4.3	3.4	3.8	5.0	4.3	4.6	4.3	3.2	3.6
18	4.9	4.2	4.4	4.4	3.4	3.8	5.1	3.8	4.5	4.3	3.8	4.0
19	4.7	4.0	4.4	4.1	3.3	3.7	4.5	3.5	4.0	4.3	3.6	4.0
20	4.6	3.9	4.2	4.1	3.2	3.7	4.2	3.3	3.6	4.7	4.1	4.4
21	4.8	4.0	4.3	4.3	3.2	3.8	4.2	3.2	3.7	5.1	4.4	4.7
22	4.9	4.0	4.4	4.1	3.3	3.7	4.3	3.5	3.9	5.2	4.0	4.6
23	5.4	4.1	4.6	4.4	3.5	3.9	4.0	3.4	3.7	5.3	3.8	4.5
24	4.6	3.9	4.3	4.2	3.3	3.8	3.8	3.0	3.4	5.3	4.0	4.6
25	4.4	3.8	4.1	4.3	2.8	3.7	4.2	3.0	3.5	5.2	4.3	4.8
26	4.6	4.0	4.2	3.9	2.7	3.4	4.2	3.1	3.6	5.2	4.4	4.8
27	4.4	3.8	4.0	3.8	2.8	3.3	4.0	3.2	3.6	5.2	4.7	4.9
28	4.4	3.7	3.9	4.1	2.9	3.4	3.9	3.1	3.6	5.7	4.9	5.3
29	4.4	3.4	3.8	4.4	3.4	3.8	4.6	3.3	3.8	5.4	4.4	4.9
30	4.6	3.2	3.9	4.3	3.3	3.7	4.8	4.2	4.6	4.7	4.2	4.5
31	---	---	---	4.1	3.3	3.6	4.6	3.5	4.1	---	---	---
MONTH	5.4	3.2	4.3	4.5	2.7	3.7	5.5	3.0	4.1	5.7	3.0	4.2

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, 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	4.6	4.3	4.4	5.9	5.5	5.7	---	---	---	---	---	---
2	5.0	4.3	4.5	5.8	5.5	5.6	---	---	---	---	---	---
3	5.3	3.9	4.6	5.8	5.3	5.6	---	---	---	---	---	---
4	5.2	4.0	4.6	6.0	5.4	5.7	---	---	---	---	---	---
5	5.3	3.8	4.5	6.2	5.6	5.9	---	---	---	---	---	---
6	5.4	4.0	4.6	6.0	5.6	5.8	---	---	---	---	---	---
7	5.1	4.3	4.6	6.1	5.6	5.9	---	---	---	---	---	---
8	5.2	4.4	4.7	6.3	5.5	5.9	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	4.7	4.3	4.4	---	---	---	---	---	---	---	---	---
12	4.6	4.3	4.5	---	---	---	---	---	---	---	---	---
13	4.6	4.4	4.5	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	5.0	4.6	4.8	---	---	---	---	---	---	---	---	---
17	5.1	4.7	4.9	---	---	---	---	---	---	---	---	---
18	5.1	4.8	4.9	---	---	---	---	---	---	---	---	---
19	5.2	4.8	5.0	---	---	---	---	---	---	---	---	---
20	5.1	4.7	4.9	---	---	---	---	---	---	---	---	---
21	5.1	4.7	4.9	---	---	---	---	---	---	---	---	---
22	5.3	4.8	5.0	---	---	---	---	---	---	---	---	---
23	5.5	4.9	5.3	---	---	---	---	---	---	---	---	---
24	5.5	5.2	5.4	---	---	---	---	---	---	---	---	---
25	5.5	5.2	5.4	---	---	---	---	---	---	---	---	---
26	5.7	5.3	5.5	---	---	---	---	---	---	---	---	---
27	5.7	5.4	5.6	---	---	---	---	---	---	---	---	---
28	5.6	5.3	5.5	---	---	---	---	---	---	---	---	---
29	5.7	5.3	5.5	---	---	---	---	---	---	---	---	---
30	5.8	5.4	5.6	---	---	---	---	---	---	---	---	---
31	5.8	5.2	5.7	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	5.2	4.7	4.9
12	---	---	---	---	---	---	---	---	---	5.6	5.0	5.2
13	---	---	---	---	---	---	---	---	---	5.4	5.0	5.2
14	---	---	---	---	---	---	---	---	---	5.2	4.9	5.1
15	---	---	---	---	---	---	---	---	---	5.1	4.7	4.9
16	---	---	---	---	---	---	---	---	---	5.0	4.5	4.8
17	---	---	---	---	---	---	---	---	---	5.4	4.6	5.0
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	5.0	4.7	4.9
27	---	---	---	---	---	---	---	---	---	5.2	4.7	4.9
28	---	---	---	---	---	---	---	---	---	5.2	4.8	5.0
29	---	---	---	---	---	---	---	---	---	5.3	4.8	5.0
30	---	---	---	---	---	---	---	---	---	5.4	4.5	5.1
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	5.4	4.7	5.1	5.2	4.4	4.7	7.6	7.2	7.4	9.6	9.0	9.3
2	5.2	4.6	5.0	5.0	4.3	4.6	7.6	7.2	7.5	9.4	8.6	9.0
3	---	---	---	5.0	4.1	4.5	7.9	7.4	7.7	9.2	8.3	8.9
4	5.0	4.6	4.9	5.0	4.1	4.4	8.1	7.7	7.9	9.1	8.4	8.9
5	5.1	4.6	4.8	4.7	4.0	4.3	8.3	7.8	8.1	9.1	8.5	8.9
6	5.0	4.6	4.8	4.6	3.9	4.2	8.5	8.0	8.2	9.0	8.5	8.8
7	5.1	4.7	4.9	4.4	3.7	4.1	8.6	8.2	8.4	9.2	8.3	8.7
8	5.5	4.8	5.1	4.6	3.6	4.1	8.8	8.4	8.6	9.2	7.8	8.5
9	5.9	5.1	5.5	4.9	4.0	4.5	8.8	8.4	8.7	8.4	7.7	8.1
10	---	---	---	5.2	4.3	4.8	9.0	8.4	8.7	8.7	7.8	8.3
11	5.5	4.9	5.2	5.3	4.3	4.8	9.2	8.6	8.9	8.8	7.8	8.3
12	5.4	4.8	5.1	5.2	4.1	4.7	9.2	8.7	8.9	8.8	8.1	8.5
13	5.4	4.6	5.0	5.6	4.5	5.0	9.1	8.6	8.9	8.9	8.3	8.6
14	5.3	4.4	4.9	5.7	4.9	5.3	9.7	8.5	9.2	9.0	8.5	8.7
15	5.4	4.7	5.0	5.6	5.0	5.4	10.1	9.3	9.6	9.2	8.6	8.8
16	5.3	4.4	4.8	5.6	5.0	5.3	9.9	8.9	9.4	9.2	8.7	9.0
17	5.1	4.4	4.7	5.7	5.1	5.4	10.0	9.0	9.5	9.2	8.8	9.0
18	5.4	4.5	5.0	5.8	5.3	5.5	10.1	8.9	9.5	9.3	8.9	9.1
19	6.1	5.0	5.3	6.2	5.5	5.9	9.9	9.0	9.4	9.2	9.0	9.1
20	6.0	4.7	5.3	6.3	5.9	6.1	10.0	8.9	9.4	9.4	9.1	9.3
21	6.5	4.8	5.5	6.3	6.0	6.2	10.2	9.1	9.6	9.5	9.0	9.3
22	6.5	5.3	5.7	6.3	5.9	6.2	10.4	9.2	9.8	9.6	9.3	9.4
23	6.8	5.5	6.0	6.4	5.9	6.2	10.3	9.3	9.8	9.8	9.3	9.5
24	7.3	5.8	6.2	6.5	5.9	6.3	10.3	9.4	9.8	9.9	9.4	9.7
25	7.7	6.0	6.5	7.0	6.0	6.6	10.2	9.3	9.7	10.0	9.5	9.8
26	7.4	6.0	6.4	7.0	6.3	6.7	10.2	9.5	9.8	10.2	9.5	9.8
27	6.7	6.1	6.3	7.0	6.5	6.7	10.2	9.5	9.8	10.2	9.5	9.9
28	6.8	6.1	6.3	7.2	6.4	6.8	10.2	9.5	9.8	10.5	9.5	10.0
29	7.0	6.0	6.7	7.5	6.9	7.2	10.0	9.3	9.6	10.5	9.6	10.1
30	6.9	6.0	6.5	7.5	7.1	7.3	10.1	9.3	9.6	10.6	9.8	10.2
31	6.7	4.5	5.7	---	---	---	9.8	9.2	9.5	10.6	9.8	10.2
MONTH	---	---	---	7.5	3.6	5.5	10.4	7.2	9.1	10.6	7.7	9.2
		FEBRUARY			MARCH			APRIL			MAY	
1	10.6	9.8	10.2	9.7	9.0	9.3	7.4	6.9	7.1	6.4	5.6	6.0
2	10.7	9.9	10.3	10.1	9.3	9.7	7.3	6.8	7.1	6.5	5.8	6.2
3	10.6	9.8	10.3	10.2	9.5	9.8	7.3	6.8	7.1	6.6	6.1	6.3
4	10.9	10.1	10.5	9.9	9.4	9.6	7.5	6.9	7.2	6.4	5.5	6.0
5	10.9	10.2	10.6	9.7	9.2	9.5	7.7	7.1	7.4	6.1	5.4	5.8
6	11.1	10.4	10.8	9.5	8.9	9.2	7.7	7.2	7.5	6.2	4.8	5.6
7	11.2	10.6	10.9	9.1	8.4	8.7	7.8	7.3	7.6	5.6	4.8	5.2
8	11.4	10.9	11.1	8.7	8.0	8.4	7.7	7.3	7.5	5.4	4.6	5.0
9	11.3	10.8	11.1	8.3	7.8	8.1	7.8	7.3	7.5	5.3	4.3	4.9
10	11.3	10.5	11.0	8.3	7.7	7.9	7.6	7.2	7.4	5.1	4.2	4.7
11	11.1	10.1	10.6	8.2	7.6	8.0	7.7	7.1	7.4	4.8	4.2	4.5
12	10.9	10.1	10.5	8.2	7.8	8.0	7.5	7.1	7.3	4.8	4.2	4.4
13	10.7	9.9	10.3	8.2	7.6	8.0	7.7	7.1	7.4	4.6	4.1	4.4
14	10.4	9.8	10.1	8.1	7.5	7.9	7.7	6.8	7.3	4.6	4.0	4.3
15	10.3	9.7	9.9	8.1	7.5	7.8	7.3	6.7	7.0	4.6	4.0	4.3
16	10.2	9.5	9.8	8.0	7.4	7.8	7.1	6.5	6.8	4.6	4.0	4.4
17	10.1	9.4	9.8	7.9	7.4	7.7	7.0	6.5	6.8	4.6	4.2	4.4
18	10.1	9.4	9.8	7.9	7.4	7.7	7.1	6.7	6.9	4.6	4.2	4.5
19	10.3	9.5	9.9	8.0	7.4	7.7	7.1	6.6	6.9	4.8	4.3	4.6
20	10.4	9.6	9.9	8.1	7.5	7.8	7.1	6.3	6.7	5.0	4.5	4.7
21	10.4	9.7	10.0	8.2	7.7	7.9	6.8	6.3	6.6	5.0	4.4	4.7
22	10.3	9.5	9.9	8.4	7.6	8.0	6.7	6.1	6.5	5.2	4.5	4.8
23	10.1	9.4	9.7	8.4	7.8	8.1	6.6	6.1	6.3	5.5	4.6	4.9
24	9.8	9.3	9.6	8.2	7.5	8.0	6.4	6.1	6.2	5.5	4.6	4.9
25	9.7	9.3	9.5	8.2	7.5	7.9	6.3	6.0	6.1	5.4	4.5	4.9
26	9.7	9.0	9.4	8.1	7.4	7.8	6.6	5.9	6.1	5.3	4.4	4.9
27	9.7	8.7	9.3	7.9	7.4	7.7	6.6	5.9	6.2	---	---	---
28	9.6	8.8	9.2	7.8	7.3	7.5	6.3	5.7	6.0	---	---	---
29	9.3	8.8	9.1	7.6	7.1	7.3	6.2	5.6	5.9	---	---	---
30	---	---	---	7.4	7.0	7.2	6.1	5.6	5.9	---	---	---
31	---	---	---	7.3	6.8	7.1	---	---	---	---	---	---
MONTH	11.4	8.7	10.1	10.2	6.8	8.2	7.8	5.6	6.9	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	3.7	3.0	3.4	4.1	3.0	3.4
2	---	---	---	---	---	---	3.6	2.8	3.2	4.2	3.0	3.6
3	---	---	---	---	---	---	3.9	3.0	3.5	4.2	3.1	3.6
4	---	---	---	---	---	---	4.3	3.4	3.8	3.9	3.0	3.5
5	---	---	---	---	---	---	4.2	3.4	3.9	3.9	3.1	3.5
6	---	---	---	---	---	---	4.4	3.5	4.0	3.9	3.2	3.6
7	---	---	---	---	---	---	4.4	3.7	4.0	4.0	3.4	3.6
8	---	---	---	3.8	3.4	3.7	4.3	3.6	4.0	4.8	3.5	4.2
9	4.2	3.8	4.0	3.9	3.4	3.6	4.4	3.5	4.0	4.8	3.9	4.4
10	4.1	3.7	3.9	4.0	3.3	3.6	4.2	3.4	3.8	4.2	3.4	3.8
11	4.2	3.7	3.9	3.9	3.2	3.6	4.1	3.4	3.8	4.4	3.4	3.8
12	4.3	3.7	4.0	4.0	3.1	3.6	4.2	3.2	3.8	4.2	2.9	3.6
13	4.3	3.8	4.0	4.1	3.2	3.6	4.8	3.4	4.1	3.9	3.1	3.5
14	4.4	3.8	4.1	4.0	2.9	3.5	5.2	3.4	4.5	3.9	3.3	3.7
15	---	---	---	3.8	2.9	3.4	5.3	4.1	4.8	3.9	3.2	3.6
16	---	---	---	3.9	3.1	3.4	4.8	4.3	4.7	3.6	3.1	3.3
17	---	---	---	3.8	3.1	3.4	4.8	4.4	4.6	4.3	3.1	3.6
18	---	---	---	3.9	3.0	3.4	4.9	3.7	4.3	4.4	3.7	4.0
19	---	---	---	3.7	2.9	3.3	4.3	3.4	3.8	4.3	3.5	3.9
20	---	---	---	3.7	2.9	3.3	3.9	3.2	3.5	4.7	4.0	4.3
21	---	---	---	3.7	2.9	3.3	4.1	3.2	3.7	4.8	4.3	4.5
22	---	---	---	3.4	2.8	3.1	4.2	3.5	3.8	4.7	3.9	4.5
23	---	---	---	3.4	2.8	3.1	4.0	3.3	3.7	4.7	3.7	4.3
24	4.7	3.8	4.3	3.5	2.5	3.0	3.9	3.0	3.5	4.7	4.0	4.4
25	4.5	3.8	4.2	3.7	2.4	2.9	3.9	2.9	3.4	4.9	4.3	4.6
26	4.7	4.0	4.3	3.3	2.4	2.8	3.7	2.8	3.2	5.0	4.4	4.8
27	4.7	3.9	4.2	3.2	2.5	2.8	3.6	2.9	3.2	5.0	4.8	4.9
28	4.6	3.8	4.1	3.7	2.7	3.1	3.4	2.8	3.2	5.7	4.9	5.3
29	4.6	3.7	4.1	4.1	3.0	3.4	4.0	3.0	3.4	5.4	4.2	4.9
30	---	---	---	4.0	3.0	3.4	4.4	3.8	4.1	4.5	4.0	4.3
31	---	---	---	3.7	2.9	3.3	4.1	3.2	3.6	---	---	---
MONTH	---	---	---	---	---	---	5.3	2.8	3.8	5.7	2.9	4.0

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	4.4	4.1	4.2	5.8	5.5	5.7	7.6	7.1	7.4	---	---	---
2	4.5	4.0	4.2	5.9	5.2	5.6	---	---	---	---	---	---
3	5.0	3.8	4.5	5.9	5.6	5.8	---	---	---	---	---	---
4	5.0	4.0	4.5	6.1	5.6	5.8	---	---	---	---	---	---
5	4.7	3.8	4.4	6.2	5.7	6.0	---	---	---	---	---	---
6	4.7	4.0	4.4	6.2	5.9	6.0	---	---	---	---	---	---
7	---	---	---	6.3	6.0	6.1	---	---	---	---	---	---
8	---	---	---	6.2	5.8	6.0	---	---	---	---	---	---
9	---	---	---	6.4	5.9	6.1	---	---	---	---	---	---
10	---	---	---	6.4	6.0	6.2	---	---	---	---	---	---
11	---	---	---	6.5	6.2	6.3	---	---	---	---	---	---
12	---	---	---	6.6	6.2	6.4	---	---	---	---	---	---
13	---	---	---	6.8	6.3	6.5	---	---	---	---	---	---
14	---	---	---	7.0	6.5	6.8	---	---	---	---	---	---
15	---	---	---	7.2	6.9	7.0	---	---	---	---	---	---
16	---	---	---	7.2	6.9	7.0	---	---	---	---	---	---
17	---	---	---	7.2	7.0	7.1	---	---	---	---	---	---
18	---	---	---	7.3	7.0	7.1	---	---	---	---	---	---
19	---	---	---	7.4	7.1	7.2	---	---	---	---	---	---
20	---	---	---	7.4	7.2	7.3	---	---	---	---	---	---
21	5.1	4.5	4.8	7.4	7.2	7.3	---	---	---	---	---	---
22	5.5	4.8	5.0	7.4	7.1	7.2	---	---	---	---	---	---
23	5.3	5.0	5.1	7.3	7.1	7.2	---	---	---	---	---	---
24	5.4	5.0	5.2	7.3	7.1	7.2	---	---	---	---	---	---
25	5.3	5.1	5.2	7.7	7.2	7.4	---	---	---	---	---	---
26	5.5	5.1	5.3	7.6	7.1	7.4	---	---	---	---	---	---
27	5.5	5.3	5.4	7.5	7.2	7.4	---	---	---	---	---	---
28	5.6	5.3	5.4	7.6	7.2	7.4	---	---	---	---	---	---
29	5.7	5.3	5.5	7.6	7.1	7.3	---	---	---	---	---	---
30	5.8	5.4	5.6	7.4	7.1	7.3	---	---	---	---	---	---
31	5.9	5.6	5.7	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	7.7	5.2	6.7	---	---	---	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	70	63	66
12	---	---	---	---	---	---	---	---	---	68	64	66
13	---	---	---	---	---	---	---	---	---	66	62	64
14	---	---	---	---	---	---	---	---	---	64	60	62
15	---	---	---	---	---	---	---	---	---	64	59	61
16	---	---	---	---	---	---	---	---	---	62	58	60
17	---	---	---	---	---	---	---	---	---	63	55	59
18	---	---	---	---	---	---	---	---	---	65	56	62
19	---	---	---	---	---	---	---	---	---	62	56	59
20	---	---	---	---	---	---	---	---	---	60	55	57
21	---	---	---	---	---	---	---	---	---	57	52	55
22	---	---	---	---	---	---	---	---	---	59	52	54
23	---	---	---	---	---	---	---	---	---	57	51	54
24	---	---	---	---	---	---	---	---	---	57	52	54
25	---	---	---	---	---	---	---	---	---	65	52	60
26	---	---	---	---	---	---	---	---	---	64	60	62
27	---	---	---	---	---	---	---	---	---	67	59	62
28	---	---	---	---	---	---	---	---	---	65	60	63
29	---	---	---	---	---	---	---	---	---	65	59	62
30	---	---	---	---	---	---	---	---	---	65	55	62
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	62	54	57	59	48	52	54	45	48	57	41	48
2	62	53	57	59	48	52	54	45	49	60	41	51
3	60	54	57	55	48	50	58	47	53	58	41	50
4	60	53	56	55	45	50	63	51	56	53	38	47
5	61	53	56	57	47	51	61	41	55	52	37	46
6	57	52	54	55	48	51	64	55	60	54	37	47
7	57	51	54	55	46	49	64	55	59	55	38	48
8	59	50	53	52	42	47	66	54	58	59	45	54
9	58	48	53	52	43	47	63	50	57	57	48	53
10	58	47	53	53	43	48	65	50	56	50	42	46
11	59	48	54	57	41	48	62	47	54	54	43	47
12	62	49	55	55	42	48	60	45	53	51	37	44
13	62	50	56	57	43	49	63	51	58	46	38	42
14	64	47	56	56	42	49	69	52	62	47	41	44
15	66	47	57	56	42	49	67	52	62	47	38	43
16	63	54	57	56	45	50	61	52	58	43	37	40
17	61	54	56	57	45	50	60	52	56	52	38	44
18	64	53	57	58	45	49	61	46	54	52	45	48
19	62	51	56	54	43	48	54	42	48	51	42	47
20	60	50	55	55	42	48	51	39	44	55	48	51
21	63	51	55	58	42	50	51	38	45	59	51	55
22	64	51	57	55	43	49	52	42	47	61	46	54
23	71	53	59	58	46	52	49	41	45	62	44	52
24	60	50	56	55	43	50	47	36	42	61	46	53
25	57	49	54	57	37	48	52	37	43	60	50	56
26	60	52	55	51	35	44	52	38	45	60	51	56
27	57	49	52	50	37	44	49	39	45	62	55	57
28	57	48	51	54	38	45	48	38	44	68	58	62
29	58	44	50	58	44	49	58	41	48	64	52	59
30	60	41	50	57	43	49	60	52	57	56	50	54
31	---	---	---	54	43	48	58	44	51	---	---	---
MONTH	71	41	55	59	35	49	69	36	52	68	37	50

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	55	52	53	65	61	63	---	---	---	---	---	---
2	60	51	54	66	61	63	---	---	---	---	---	---
3	63	47	56	65	59	62	---	---	---	---	---	---
4	62	48	56	67	60	64	---	---	---	---	---	---
5	63	46	54	69	63	65	---	---	---	---	---	---
6	64	48	55	67	62	64	---	---	---	---	---	---
7	61	51	55	68	61	65	---	---	---	---	---	---
8	62	52	55	69	60	64	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	55	51	52	---	---	---	---	---	---	---	---	---
12	54	51	52	---	---	---	---	---	---	---	---	---
13	54	51	53	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	57	53	55	---	---	---	---	---	---	---	---	---
17	57	54	55	---	---	---	---	---	---	---	---	---
18	58	54	55	---	---	---	---	---	---	---	---	---
19	59	55	57	---	---	---	---	---	---	---	---	---
20	58	54	56	---	---	---	---	---	---	---	---	---
21	58	53	55	---	---	---	---	---	---	---	---	---
22	60	54	57	---	---	---	---	---	---	---	---	---
23	62	55	59	---	---	---	---	---	---	---	---	---
24	61	58	60	---	---	---	---	---	---	---	---	---
25	61	57	59	---	---	---	---	---	---	---	---	---
26	62	58	60	---	---	---	---	---	---	---	---	---
27	62	59	61	---	---	---	---	---	---	---	---	---
28	61	58	60	---	---	---	---	---	---	---	---	---
29	62	58	60	---	---	---	---	---	---	---	---	---
30	64	58	61	---	---	---	---	---	---	---	---	---
31	65	57	62	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	63	57	60
12	---	---	---	---	---	---	---	---	---	68	60	63
13	---	---	---	---	---	---	---	---	---	65	60	63
14	---	---	---	---	---	---	---	---	---	63	59	61
15	---	---	---	---	---	---	---	---	---	61	56	59
16	---	---	---	---	---	---	---	---	---	61	54	58
17	---	---	---	---	---	---	---	---	---	65	55	60
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	60	56	58
27	---	---	---	---	---	---	---	---	---	62	56	58
28	---	---	---	---	---	---	---	---	---	62	57	59
29	---	---	---	---	---	---	---	---	---	62	57	60
30	---	---	---	---	---	---	---	---	---	62	53	60
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	63	54	59	55	46	49	73	70	72	81	76	78
2	60	53	57	52	45	48	74	69	72	80	74	77
3	---	---	---	52	43	47	75	72	73	79	72	76
4	57	52	55	53	43	47	76	73	74	80	73	77
5	58	52	55	50	42	46	77	74	76	82	75	79
6	57	52	54	50	41	45	78	75	76	81	76	79
7	58	53	55	48	40	44	79	76	77	82	75	78
8	62	54	58	50	39	45	80	77	79	81	70	76
9	66	58	62	52	43	48	80	76	79	74	69	72
10	---	---	---	56	45	51	82	76	79	75	69	72
11	62	55	58	56	45	51	84	78	81	74	68	71
12	61	53	57	55	43	50	82	77	80	75	70	72
13	61	51	56	59	47	53	82	76	79	75	71	73
14	60	49	55	59	50	55	86	77	82	76	72	74
15	61	52	56	58	50	55	87	79	82	78	72	74
16	59	48	54	58	50	55	85	77	81	78	73	75
17	57	48	52	59	51	56	86	78	82	77	74	75
18	61	50	55	60	54	57	86	76	81	79	75	77
19	68	54	59	64	56	61	84	76	79	79	76	78
20	66	51	58	64	60	62	83	75	79	79	77	78
21	72	52	60	64	61	63	84	75	80	79	76	78
22	72	58	63	64	60	62	85	76	80	81	77	79
23	75	59	65	65	59	62	85	76	81	82	78	80
24	79	62	68	66	58	63	86	78	82	83	78	81
25	83	64	69	70	60	66	85	77	81	82	79	81
26	79	64	69	70	62	67	84	78	81	83	79	81
27	72	65	68	70	64	68	85	78	81	83	78	81
28	74	66	69	73	63	69	85	78	81	84	78	81
29	76	65	72	74	68	71	83	77	80	84	78	82
30	75	63	70	73	70	72	84	78	80	85	79	82
31	70	47	60	---	---	---	82	77	80	84	79	82
MONTH	---	---	---	74	39	56	87	69	79	85	68	77
		FEBRUARY			MARCH			APRIL			MAY	
1	84	79	82	83	77	80	75	69	72	73	63	68
2	84	80	82	88	80	83	73	68	71	75	66	71
3	86	79	83	88	84	86	74	68	71	76	70	73
4	87	82	85	90	83	86	76	69	72	73	63	69
5	89	83	86	89	85	87	78	71	74	70	61	66
6	93	85	89	90	85	87	78	71	75	70	54	63
7	96	88	92	88	83	85	80	73	76	64	54	59
8	96	91	93	85	79	82	80	74	77	61	52	57
9	95	90	93	81	77	79	82	74	77	60	49	56
10	95	89	93	81	75	77	79	74	76	59	48	54
11	93	86	89	80	72	77	82	74	77	56	48	52
12	92	85	89	80	75	77	79	74	77	56	48	51
13	90	84	87	80	75	77	82	75	78	54	48	51
14	88	84	86	79	74	76	82	72	78	54	47	51
15	87	83	84	78	74	76	77	71	74	55	47	52
16	87	81	84	78	74	76	75	68	72	55	48	52
17	85	80	83	78	73	75	75	68	72	56	50	53
18	85	79	83	77	73	75	76	71	74	56	51	54
19	87	80	84	80	73	76	76	71	74	58	52	55
20	89	81	84	81	75	77	77	70	73	62	54	57
21	89	83	86	82	77	79	74	69	72	62	53	57
22	89	83	86	83	76	80	74	68	72	65	55	58
23	88	82	85	82	77	79	73	68	71	69	56	61
24	86	82	84	81	75	78	72	68	70	70	57	61
25	85	81	83	81	74	78	73	68	70	68	56	61
26	84	79	82	81	75	77	76	67	70	67	55	61
27	83	76	80	78	74	76	76	67	70	---	---	---
28	82	76	79	78	72	75	72	64	68	---	---	---
29	80	76	78	75	70	73	70	63	67	---	---	---
30	---	---	---	74	70	72	70	63	67	---	---	---
31	---	---	---	74	68	71	---	---	---	---	---	---
MONTH	96	76	85	90	68	78	82	63	73	---	---	---

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	49	39	44	51	37	43
2	---	---	---	---	---	---	47	37	43	52	37	45
3	---	---	---	---	---	---	52	39	46	52	38	45
4	---	---	---	---	---	---	57	44	50	48	37	43
5	---	---	---	---	---	---	55	45	51	48	38	43
6	---	---	---	---	---	---	58	46	53	48	40	44
7	---	---	---	---	---	---	57	48	52	49	42	44
8	---	---	---	50	45	49	56	47	52	59	43	51
9	54	48	50	51	45	48	57	45	51	59	48	54
10	52	47	49	53	43	47	54	44	49	52	42	46
11	54	47	50	52	42	47	53	44	48	54	42	47
12	55	47	51	53	41	48	54	41	48	51	35	44
13	55	48	52	54	42	48	61	43	53	47	38	42
14	56	48	52	53	38	47	65	43	56	47	40	44
15	---	---	---	51	38	44	66	51	59	47	38	43
16	---	---	---	52	41	45	59	53	57	43	37	40
17	---	---	---	50	41	45	58	53	55	52	37	44
18	---	---	---	51	39	44	59	44	52	53	44	48
19	---	---	---	49	38	43	52	41	46	51	41	46
20	---	---	---	49	38	43	47	38	43	55	47	51
21	---	---	---	49	38	44	50	38	44	56	50	53
22	---	---	---	45	37	41	51	42	46	55	45	52
23	---	---	---	45	37	41	49	40	45	55	43	50
24	61	49	55	46	33	39	48	36	43	55	46	52
25	59	49	54	49	31	38	48	35	41	57	50	54
26	61	52	56	43	32	37	46	34	40	58	51	56
27	61	50	55	42	33	37	44	36	40	59	56	57
28	60	49	54	49	35	41	42	35	40	68	58	63
29	60	48	53	54	39	45	50	37	42	64	50	58
30	---	---	---	53	39	44	55	47	51	56	47	51
31	---	---	---	49	38	43	51	40	45	---	---	---
MONTH	---	---	---	---	---	---	66	34	48	68	35	48

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	58	54	55	65	60	63	76	70	73	---	---	---
2	58	53	55	66	57	62	---	---	---	---	---	---
3	62	48	56	66	62	64	---	---	---	---	---	---
4	60	49	55	68	62	65	---	---	---	---	---	---
5	58	47	53	70	64	67	---	---	---	---	---	---
6	56	48	53	69	65	67	---	---	---	---	---	---
7	---	---	---	69	66	67	---	---	---	---	---	---
8	---	---	---	68	64	66	---	---	---	---	---	---
9	---	---	---	69	64	67	---	---	---	---	---	---
10	---	---	---	68	64	66	---	---	---	---	---	---
11	---	---	---	69	66	67	---	---	---	---	---	---
12	---	---	---	69	65	67	---	---	---	---	---	---
13	---	---	---	71	66	68	---	---	---	---	---	---
14	---	---	---	72	68	70	---	---	---	---	---	---
15	---	---	---	73	69	71	---	---	---	---	---	---
16	---	---	---	72	69	70	---	---	---	---	---	---
17	---	---	---	72	69	70	---	---	---	---	---	---
18	---	---	---	72	69	70	---	---	---	---	---	---
19	---	---	---	73	70	71	---	---	---	---	---	---
20	---	---	---	73	70	71	---	---	---	---	---	---
21	58	51	55	73	70	72	---	---	---	---	---	---
22	62	54	57	73	70	72	---	---	---	---	---	---
23	60	56	57	73	71	72	---	---	---	---	---	---
24	60	56	58	73	71	72	---	---	---	---	---	---
25	59	56	57	78	72	74	---	---	---	---	---	---
26	60	56	58	77	72	74	---	---	---	---	---	---
27	60	57	59	75	72	74	---	---	---	---	---	---
28	61	58	59	76	72	74	---	---	---	---	---	---
29	62	58	60	75	70	73	---	---	---	---	---	---
30	64	58	61	74	71	72	---	---	---	---	---	---
31	64	61	62	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	78	57	69	---	---	---	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC

LOCATION.--Lat 34°04'35", long 77°55'53", New Hanover County, Hydrologic Unit 03030005, at U.S. Coast Guard Channel Marker 12.

DRAINAGE AREA.--9,000 mi^2.

PERIOD OF RECORD.--November 2003 to December 2004 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE (TOP AND BOTTOM): November 2003 to December 2004.
SALINITY (TOP AND BOTTOM): November 2003 to December 2004.
pH (TOP AND BOTTOM): November 2003 to December 2004.
WATER TEMPERATURE (TOP AND BOTTOM): November 2003 to December 2004.
DISSOLVED OXYGEN (TOP AND BOTTOM) : November 2003 to December 2004.
DISSOLVED OXYGEN, PERCENT SATURATION (TOP AND BOTTOM): November 2003 to December 2004.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from November 2003 to December 2004.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources. Salinity and dissolved oxygen, percent saturation are computed. The salinity is computed from specific conductance using the conversion from U.S. Geological Survey Water Supply Paper 2311. The dissolved oxygen, percent saturation is computed using a barometric pressure of 760 mm of Hg.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE (TOP), microsiemens	40,100, November 14, 2004	140, August 22, 2004
SPEICIFC CONDUCTANCE (BOTTOM), microsiemens	44,900, November 14, 2004	100, August 22, 2004
SALINITY (TOP), ppt	25.6, November 14, 2004	.06, August 21, 22, 2004
SALINITY (BOTTOM), ppt	29.0, November 14, 2004	.04, August 22, 2004
pH (TOP), standard units	8.4, June 22, 2004	6.2, August 22, 2004
pH (BOTTOM), standard units	8.3, June 23, 25, 2004	5.7, August 22, 2004
WATER TEMPERATURE (TOP), °C	31.2, August 4, 2004	4.9, February 2, 2004
WATER TEMPERATURE (BOTTOM), °C	30.5, July 10, 2004	5.6, January 29, 2004
DISSOLVED OXYGEN (TOP), mg/L	11.3, February 8, 10, 11, 2004	3.4, September 16, 2004
DISSOLVED OXYGEN (BOTTOM), mg/L	10.9, February 12, 2004	2.9, July 30, 2004
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	133, June 23, 2004	41, September 16, 2004
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	117, June 23, 2004	37, July 30, 2004

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	25,700	11,300	16,600	21,100	7,310	11,700
2	---	---	---	---	---	---	26,700	11,400	16,100	22,400	8,100	13,300
3	---	---	---	---	---	---	28,000	12,200	18,900	23,800	9,270	14,700
4	---	---	---	---	---	---	33,800	15,000	22,400	25,800	11,100	16,200
5	---	---	---	---	---	---	32,700	16,700	24,600	27,400	12,400	18,000
6	---	---	---	---	---	---	32,300	19,700	24,000	27,300	9,100	16,900
7	---	---	---	---	---	---	33,100	18,800	24,200	28,900	11,600	18,000
8	---	---	---	26,200	6,200	13,000	33,500	18,900	25,000	31,700	13,200	20,500
9	---	---	---	25,300	6,060	13,800	33,100	19,500	24,500	32,400	15,800	21,600
10	---	---	---	30,200	8,280	16,800	32,600	18,100	24,900	33,700	14,900	21,400
11	---	---	---	30,800	11,600	17,800	30,700	16,600	21,300	32,600	16,100	23,200
12	---	---	---	27,600	11,600	16,600	25,600	10,300	16,600	32,300	19,000	23,800
13	---	---	---	24,100	10,200	14,400	25,100	7,110	13,500	31,500	17,900	22,700
14	---	---	---	20,900	7,680	12,400	27,100	7,790	14,300	31,600	17,200	22,600
15	---	---	---	23,300	9,170	14,500	16,100	5,600	9,080	33,900	15,600	22,500
16	---	---	---	25,700	11,600	15,600	16,700	4,580	7,720	31,600	16,800	22,600
17	---	---	---	26,100	12,400	16,900	14,700	3,060	6,660	32,900	17,700	23,500
18	---	---	---	30,100	14,400	19,800	12,300	2,410	5,800	34,800	17,900	24,900
19	---	---	---	30,500	17,700	23,000	12,300	1,160	4,770	33,000	17,200	23,600
20	---	---	---	30,800	15,900	21,400	11,600	630	4,060	33,800	16,800	24,500
21	---	---	---	33,400	17,500	23,600	14,300	370	5,000	35,700	18,300	25,800
22	---	---	---	32,600	17,500	22,800	15,200	700	5,390	34,600	19,100	25,500
23	---	---	---	32,200	15,400	21,500	16,200	540	5,630	34,400	17,900	24,100
24	---	---	---	30,800	13,500	21,100	19,800	770	6,420	34,400	17,500	23,800
25	---	---	---	32,300	12,400	19,800	17,000	1,030	6,050	35,900	16,800	24,300
26	---	---	---	33,300	12,000	20,700	18,900	2,010	7,110	37,000	18,900	25,300
27	---	---	---	32,900	13,200	20,900	20,800	3,250	8,350	32,800	17,800	23,200
28	---	---	---	30,400	13,600	20,500	20,400	4,030	8,960	30,000	14,100	19,500
29	---	---	---	26,100	9,800	15,300	19,900	4,680	9,570	26,600	13,000	18,100
30	---	---	---	27,500	10,800	16,900	20,400	5,500	9,650	26,800	11,800	17,000
31	---	---	---	---	---	---	21,800	6,660	10,600	27,900	12,100	16,800
MONTH	---	---	---	---	---	---	33,800	370	13,200	37,000	7,310	21,000
		FEBRUARY			MARCH			APRIL			MAY	
1	30,600	12,600	18,500	16,200	4,200	8,710	---	---	---	---	---	---
2	34,100	13,300	22,100	11,800	3,940	6,690	33,700	24,300	27,900	---	---	---
3	33,200	15,900	24,100	12,500	3,320	6,410	34,700	23,300	27,600	---	---	---
4	30,700	17,700	22,800	16,200	3,520	7,550	34,800	23,500	27,900	---	---	---
5	33,200	16,500	22,900	16,300	3,820	7,680	35,100	21,900	27,200	---	---	---
6	33,100	16,500	23,600	16,900	2,600	7,210	35,900	21,700	27,600	---	---	---
7	29,100	11,200	18,700	15,500	1,140	5,900	35,800	20,700	27,200	19,900	1,950	8,070
8	24,500	8,780	14,700	18,100	1,630	6,340	34,900	20,800	26,900	17,700	1,260	6,580
9	26,300	9,070	15,200	23,200	3,110	9,800	36,200	18,100	25,900	17,500	2,360	6,620
10	23,700	8,090	13,600	23,100	4,920	11,100	35,500	19,600	26,400	15,800	2,970	6,520
11	21,200	7,330	12,000	25,800	8,510	13,900	34,300	17,400	25,000	14,100	2,470	6,570
12	23,300	6,220	11,700	23,100	9,020	13,800	31,700	17,800	24,100	13,000	2,510	6,410
13	23,100	6,070	11,800	21,100	7,370	12,500	30,900	17,000	23,600	14,400	3,250	6,920
14	23,400	6,430	11,600	23,800	7,280	12,200	28,600	9,830	17,500	15,600	3,640	8,160
15	23,900	5,540	11,600	21,100	8,310	12,900	24,800	9,000	14,600	18,800	4,920	9,760
16	21,700	5,290	11,600	23,200	8,830	14,500	24,600	9,020	15,800	22,000	5,870	11,400
17	25,900	6,150	13,800	23,300	9,540	15,300	22,700	10,200	15,200	24,000	7,740	13,300
18	25,800	8,220	13,900	26,300	10,100	17,300	19,400	7,040	12,500	25,800	9,910	15,100
19	23,100	8,020	13,500	25,700	11,000	16,800	18,200	4,210	10,000	26,800	10,900	16,600
20	20,500	5,780	10,900	28,400	10,100	17,300	16,500	4,180	8,860	24,600	11,500	16,200
21	16,400	2,350	7,200	24,800	10,200	15,600	17,900	3,990	8,640	25,800	12,200	16,600
22	16,200	750	6,020	21,500	7,020	12,500	15,900	3,450	7,960	25,800	13,800	17,700
23	21,200	1,860	6,880	22,500	7,630	12,600	14,500	3,810	7,680	26,700	14,800	18,600
24	21,000	3,350	8,610	---	---	---	15,400	4,060	7,570	25,600	15,200	18,900
25	23,500	4,960	11,100	---	---	---	---	---	---	27,500	14,800	19,300
26	21,400	7,010	12,600	---	---	---	---	---	---	25,100	14,900	19,400
27	24,100	10,500	15,800	---	---	---	---	---	---	25,800	14,800	19,700
28	28,200	11,400	17,000	---	---	---	---	---	---	28,500	17,000	21,300
29	24,700	7,040	12,700	---	---	---	---	---	---	30,200	17,200	21,800
30	---	---	---	---	---	---	---	---	---	33,200	18,800	25,300
31	---	---	---	---	---	---	---	---	---	34,500	22,300	27,000
MONTH	34,100	750	14,400	---	---	---	---	---	---	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	37,000	22,400	27,800	37,100	21,800	27,700	38,900	25,000	31,400	18,600	4,000	9,600
2	38,300	22,600	28,700	37,300	20,700	27,500	39,000	23,700	30,500	17,400	3,030	7,220
3	38,100	22,000	28,600	36,300	19,100	26,500	38,000	20,700	28,600	15,700	2,850	6,430
4	37,700	22,800	28,800	36,700	19,000	25,900	37,100	22,200	27,500	11,600	2,430	5,180
5	38,800	21,900	28,800	36,900	19,100	25,600	36,200	21,900	27,400	13,800	1,880	4,490
6	38,800	24,000	29,600	34,700	18,800	24,900	33,300	19,000	24,200	10,000	2,670	4,940
7	38,400	23,700	29,700	34,400	20,600	26,100	33,000	18,400	24,200	14,800	2,820	6,120
8	38,000	22,500	29,000	34,800	21,000	26,100	32,700	19,600	23,700	14,900	4,410	8,610
9	35,500	21,500	27,700	33,500	20,600	25,600	30,300	18,600	23,200	10,600	4,090	6,980
10	35,400	20,700	26,900	31,500	19,500	24,800	30,800	17,200	22,600	9,290	2,100	4,300
11	34,200	20,600	25,900	32,300	18,800	24,000	31,000	19,200	23,900	13,500	2,150	4,610
12	32,200	19,700	25,400	31,400	18,500	23,900	32,600	20,700	24,800	11,800	2,580	5,220
13	34,500	20,900	26,600	32,800	20,500	24,900	29,500	20,200	24,100	15,000	3,260	6,510
14	34,100	21,400	26,700	34,300	21,300	25,500	28,300	18,000	22,900	15,000	3,430	6,930
15	34,100	21,600	26,800	34,400	21,400	26,300	23,000	8,560	16,200	13,000	2,100	5,490
16	34,000	20,900	26,100	34,700	22,100	26,900	18,300	5,220	10,300	10,200	380	3,360
17	34,000	20,000	25,600	36,500	23,500	28,200	13,800	3,350	7,350	10,300	250	3,310
18	34,300	19,800	25,400	35,500	22,800	27,200	12,600	1,850	5,450	5,700	200	1,830
19	36,000	19,400	25,400	35,200	22,200	27,000	9,780	570	3,690	10,000	170	3,350
20	35,800	19,800	25,200	35,000	22,500	27,200	9,010	250	2,580	28,200	2,850	8,300
21	36,000	22,700	27,300	35,100	23,400	28,000	7,260	160	2,170	---	---	---
22	36,200	24,400	28,300	36,300	24,300	29,000	4,650	140	1,420	---	---	---
23	34,600	22,500	27,500	36,400	25,000	29,600	10,300	400	2,840	---	---	---
24	32,000	21,000	25,700	35,200	23,800	28,500	13,500	2,050	5,060	29,100	8,190	14,000
25	32,400	20,600	26,100	35,000	21,800	27,400	15,900	3,090	6,900	---	---	---
26	34,300	22,400	26,900	36,400	22,900	28,600	22,600	3,820	9,280	27,900	11,700	18,400
27	34,700	22,100	27,400	37,400	24,500	30,100	23,200	6,920	12,200	29,300	12,900	20,800
28	36,000	22,100	27,400	38,200	25,400	30,600	24,900	8,520	14,600	29,100	16,200	21,900
29	36,100	20,300	27,100	37,500	22,600	29,700	28,100	10,500	16,900	27,200	12,200	18,300
30	36,300	21,100	27,700	38,700	22,900	29,300	27,200	9,040	16,500	28,800	11,500	18,100
31	---	---	---	38,900	24,300	30,800	20,600	6,220	12,200	---	---	---
MONTH	38,800	19,400	27,200	38,900	18,500	27,200	39,000	140	16,300	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	28,400	11,200	17,600	33,700	20,300	25,700	26,900	12,400	17,000	---	---	---
2	25,400	10,300	15,400	34,000	19,800	25,400	---	---	---	---	---	---
3	21,800	7,610	11,900	31,200	20,900	24,400	---	---	---	---	---	---
4	20,000	6,340	10,700	33,300	20,500	26,200	---	---	---	---	---	---
5	15,900	6,370	9,230	33,500	20,900	24,800	---	---	---	---	---	---
6	23,000	6,430	10,100	33,000	22,000	26,200	---	---	---	---	---	---
7	26,000	8,200	12,000	33,200	23,600	27,500	---	---	---	---	---	---
8	29,300	10,000	16,200	34,300	25,300	28,400	---	---	---	---	---	---
9	31,600	12,800	20,900	37,600	25,000	30,800	---	---	---	---	---	---
10	32,400	19,000	25,000	37,800	27,700	32,900	---	---	---	---	---	---
11	34,100	22,800	27,700	39,000	28,800	33,700	---	---	---	---	---	---
12	36,100	26,000	30,000	40,000	29,100	34,500	---	---	---	---	---	---
13	36,900	26,400	31,300	38,900	27,200	32,500	---	---	---	---	---	---
14	37,100	26,700	31,000	40,100	26,100	32,700	---	---	---	---	---	---
15	38,200	25,800	30,600	40,000	27,300	33,000	---	---	---	---	---	---
16	36,300	23,300	28,400	39,700	25,600	31,700	---	---	---	---	---	---
17	34,600	20,000	25,700	37,600	23,500	29,500	---	---	---	---	---	---
18	33,800	17,600	24,500	35,600	20,200	26,500	---	---	---	---	---	---
19	32,200	18,200	24,100	33,300	17,900	24,300	---	---	---	---	---	---
20	31,300	16,600	22,400	32,500	16,700	22,600	---	---	---	---	---	---
21	35,200	17,300	24,300	29,900	15,300	21,400	---	---	---	---	---	---
22	36,800	21,100	27,500	31,500	16,300	22,600	---	---	---	---	---	---
23	36,700	24,100	30,400	32,500	16,800	23,700	---	---	---	---	---	---
24	37,500	27,200	32,200	32,700	17,700	24,700	---	---	---	---	---	---
25	38,000	28,200	32,600	33,200	19,100	23,700	---	---	---	---	---	---
26	38,100	27,600	32,400	30,900	14,900	21,100	---	---	---	---	---	---
27	38,000	26,900	31,800	31,900	14,100	21,900	---	---	---	---	---	---
28	37,400	25,700	30,500	29,500	15,600	20,400	---	---	---	---	---	---
29	37,000	24,400	30,200	27,700	12,000	17,900	---	---	---	---	---	---
30	36,800	23,700	29,200	28,200	11,900	17,800	---	---	---	---	---	---
31	34,800	23,100	27,600	---	---	---	---	---	---	---	---	---
MONTH	38,200	6,340	24,300	40,100	11,900	26,300	---	---	---	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	30,000	12,500	20,300	27,100	8,060	17,000
2	---	---	---	---	---	---	29,700	12,100	20,200	29,700	8,190	18,900
3	---	---	---	---	---	---	32,100	13,600	23,000	29,900	9,530	19,400
4	---	---	---	---	---	---	35,800	16,600	27,100	29,000	10,900	19,200
5	---	---	---	---	---	---	35,500	18,600	27,200	27,600	12,100	19,000
6	---	---	---	---	---	---	32,600	19,700	25,700	29,300	11,800	19,100
7	---	---	---	---	---	---	33,400	19,300	26,100	32,600	13,500	22,400
8	---	---	---	30,700	6,490	16,500	34,900	19,300	26,700	33,200	15,200	23,700
9	---	---	---	30,900	6,500	18,400	34,800	19,800	26,200	34,500	16,900	24,300
10	---	---	---	30,400	8,880	20,200	34,000	18,600	26,000	35,100	15,300	24,700
11	---	---	---	30,700	12,200	20,000	31,200	16,300	22,200	34,700	17,300	26,400
12	---	---	---	29,900	12,400	18,700	28,100	12,000	19,000	33,400	20,000	25,800
13	---	---	---	26,400	10,800	16,000	31,600	9,210	18,800	32,200	19,000	24,500
14	---	---	---	27,700	8,660	17,000	31,600	9,140	20,200	33,700	18,000	25,400
15	---	---	---	30,200	10,400	20,200	23,800	6,820	12,800	35,100	16,600	25,000
16	---	---	---	32,900	12,200	21,000	20,000	4,740	10,600	33,800	17,500	25,700
17	---	---	---	31,200	13,700	22,000	19,000	3,150	9,380	34,700	18,300	26,200
18	---	---	---	33,100	15,900	23,700	17,900	2,320	8,040	35,600	18,300	26,500
19	---	---	---	32,400	17,800	24,700	15,400	1,120	6,480	34,700	18,200	25,700
20	---	---	---	32,800	17,000	23,500	15,300	828	5,810	35,900	17,100	26,800
21	---	---	---	34,600	17,600	25,400	17,800	471	7,030	36,100	19,000	27,200
22	---	---	---	34,400	18,600	24,700	19,300	989	7,390	36,000	19,700	26,900
23	---	---	---	33,800	16,200	23,300	18,400	824	7,220	35,600	18,500	25,700
24	---	---	---	33,500	14,100	22,800	20,100	995	7,950	35,500	18,100	25,900
25	---	---	---	32,900	12,600	21,700	19,100	1,350	7,760	37,700	17,100	26,900
26	---	---	---	34,200	12,400	23,100	21,800	2,090	9,030	37,800	20,000	28,400
27	---	---	---	34,300	13,700	23,200	25,300	3,300	11,100	34,400	18,200	26,400
28	---	---	---	32,500	14,400	22,200	25,000	4,370	12,200	32,700	14,900	23,400
29	---	---	---	27,600	9,970	17,600	24,300	5,980	13,000	30,700	14,100	22,200
30	---	---	---	31,300	11,800	20,700	24,100	5,840	13,000	30,300	12,600	21,800
31	---	---	---	---	---	---	26,000	7,100	15,300	---	---	---
MONTH	---	---	---	---	---	---	35,800	471	15,900	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	25,900	5,050	13,300	---	---	---	---	---	---
2	---	---	---	22,300	3,890	8,340	35,300	24,900	28,500	---	---	---
3	---	---	---	19,600	3,570	7,860	36,000	23,500	28,500	---	---	---
4	---	---	---	21,500	3,940	8,820	36,400	23,500	28,500	---	---	---
5	---	---	---	20,700	4,020	8,880	37,100	22,100	27,600	---	---	---
6	---	---	---	18,900	2,680	7,850	37,400	22,600	27,700	---	---	---
7	---	---	---	19,100	1,380	6,600	37,400	21,000	27,300	24,800	2,750	10,200
8	---	---	---	21,000	1,940	7,260	36,400	21,300	27,600	23,000	1,860	9,160
9	---	---	---	27,900	3,540	11,300	37,900	19,600	28,300	23,800	2,540	9,380
10	---	---	---	29,300	5,510	13,400	38,700	20,500	28,200	24,500	3,160	9,740
11	26,300	7,820	14,900	28,400	7,500	15,700	35,800	18,700	26,000	23,500	2,980	9,950
12	27,000	6,630	15,600	27,700	9,930	15,700	35,200	18,600	25,400	22,200	3,470	10,200
13	28,200	7,050	15,900	26,900	8,690	15,000	34,600	16,900	24,400	22,500	3,680	10,400
14	27,900	6,640	15,300	29,100	8,430	15,800	30,400	10,500	20,200	23,900	4,090	11,800
15	28,200	5,950	16,200	30,100	9,410	16,100	---	---	---	25,900	5,460	13,400
16	28,900	5,710	17,000	30,000	9,840	17,500	---	---	---	28,800	6,860	15,200
17	30,100	7,380	18,100	30,300	10,500	18,500	---	---	---	29,700	8,780	16,700
18	28,800	8,820	16,900	31,800	11,700	19,600	---	---	---	30,600	11,200	18,300
19	26,600	8,930	15,800	29,800	11,900	18,800	---	---	---	30,600	11,900	19,700
20	24,900	6,100	13,000	31,500	11,500	19,400	---	---	---	30,100	12,000	19,700
21	19,600	2,910	8,760	28,300	10,800	17,200	---	---	---	30,100	13,000	20,200
22	20,800	1,240	8,430	28,600	7,850	16,100	---	---	---	31,200	14,300	21,300
23	24,100	2,290	9,740	28,600	8,060	16,100	---	---	---	31,500	15,500	21,800
24	26,100	3,580	13,300	---	---	---	---	---	---	32,300	16,100	22,500
25	32,200	6,540	17,900	---	---	---	---	---	---	32,400	16,000	23,000
26	34,900	8,070	21,600	---	---	---	---	---	---	31,600	16,400	23,800
27	33,100	14,100	22,600	---	---	---	---	---	---	33,100	16,100	25,000
28	32,200	13,800	23,900	---	---	---	---	---	---	35,100	17,400	26,100
29	30,500	7,940	18,600	---	---	---	---	---	---	36,400	18,600	26,900
30	---	---	---	---	---	---	---	---	---	37,700	20,400	29,200
31	---	---	---	---	---	---	---	---	---	37,200	22,800	29,200
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	38,800	23,100	29,700	38,900	22,400	29,500	40,600	25,500	33,000	25,500	4,770	13,200
2	39,800	23,500	30,200	39,400	21,600	29,500	40,700	24,900	32,400	23,900	3,760	11,300
3	40,400	22,400	30,300	38,200	13,200	25,800	41,400	22,200	31,100	24,100	3,690	11,600
4	40,800	24,000	30,800	37,600	16,700	27,100	40,400	23,200	30,400	22,200	3,030	10,700
5	41,000	24,000	31,400	39,500	20,100	28,600	39,000	22,500	29,800	25,800	2,520	12,100
6	42,200	25,600	32,500	38,600	20,700	28,500	37,300	19,400	28,000	27,100	2,800	14,500
7	42,400	25,400	32,600	38,500	21,900	28,800	39,100	19,800	29,800	30,900	5,320	17,500
8	41,400	24,400	31,700	36,800	21,900	29,000	37,300	20,600	29,500	23,600	6,100	12,300
9	38,800	23,100	30,400	37,700	21,700	29,200	36,000	20,200	28,400	15,500	3,930	8,600
10	37,900	22,200	30,100	37,800	21,100	29,000	36,900	19,600	29,200	19,700	2,670	8,320
11	36,500	21,800	29,400	38,200	20,400	29,200	37,600	21,500	29,600	23,600	2,700	10,100
12	---	---	---	38,700	20,400	29,800	36,600	21,800	28,400	25,800	2,990	11,500
13	---	---	---	37,400	21,700	29,400	32,900	21,000	26,400	25,400	3,850	11,700
14	---	---	---	37,800	22,400	28,700	31,000	19,500	24,800	24,600	4,250	11,000
15	---	---	---	38,700	22,700	29,300	27,200	10,300	18,500	19,700	2,490	8,110
16	36,100	22,200	28,100	38,800	23,600	30,000	24,000	6,030	13,500	15,200	530	5,550
17	37,100	21,700	28,100	37,800	24,800	30,600	21,700	3,750	10,300	16,100	300	5,320
18	37,900	20,900	28,400	37,900	23,500	29,400	20,800	2,130	8,150	12,100	220	3,670
19	39,300	21,200	29,500	38,600	24,100	30,400	17,100	860	5,790	21,900	190	7,000
20	40,400	20,800	31,300	38,800	24,100	30,500	27,800	240	4,660	33,900	3,000	17,500
21	40,700	24,300	31,600	38,500	25,100	31,300	14,100	210	3,770	---	---	---
22	39,300	23,900	30,500	38,600	25,900	31,900	11,600	100	2,760	---	---	---
23	36,500	23,800	29,200	38,900	26,200	32,300	22,000	590	6,470	29,500	9,860	19,100
24	35,900	22,500	28,900	38,300	25,300	31,200	22,800	2,350	9,760	32,600	10,000	20,800
25	36,500	22,400	29,400	38,800	24,000	31,300	25,300	3,520	12,300	---	---	---
26	36,700	22,700	29,200	39,500	24,400	32,100	28,500	5,250	15,400	32,600	13,600	23,000
27	38,700	23,100	30,700	39,600	25,700	32,400	29,300	7,690	16,700	32,900	15,700	23,800
28	38,000	22,900	30,000	39,700	26,200	32,100	30,000	9,370	18,500	31,900	17,300	23,700
29	38,500	22,100	29,400	39,600	24,100	31,300	29,300	11,000	19,300	30,800	13,400	21,300
30	38,800	22,300	30,000	40,500	23,600	31,300	27,000	10,100	17,900	33,000	12,800	22,300
31	---	---	---	40,900	25,700	32,500	25,900	7,470	15,000	---	---	---
MONTH	---	---	---	40,900	13,200	30,100	41,400	100	19,700	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	33,600	12,800	21,800	38,100	23,600	31,300	32,800	14,300	23,100	---	---	---
2	31,600	11,000	19,400	38,500	24,000	32,400	---	---	---	---	---	---
3	30,000	7,870	17,200	38,000	25,100	32,500	---	---	---	---	---	---
4	29,700	7,180	17,500	40,400	25,900	34,700	---	---	---	---	---	---
5	32,400	7,180	19,200	38,100	26,300	33,000	---	---	---	---	---	---
6	37,000	7,470	26,900	38,000	26,300	33,400	---	---	---	---	---	---
7	40,300	21,400	32,800	37,100	26,700	32,700	---	---	---	---	---	---
8	42,300	27,400	36,900	37,600	26,700	32,100	---	---	---	---	---	---
9	41,400	25,700	35,000	39,500	27,100	34,300	---	---	---	---	---	---
10	37,200	23,600	31,900	39,900	28,500	35,300	---	---	---	---	---	---
11	36,800	24,200	30,500	40,700	30,100	35,700	---	---	---	---	---	---
12	37,600	26,200	31,800	41,700	30,700	36,300	---	---	---	---	---	---
13	38,600	27,300	32,700	41,000	28,300	34,500	---	---	---	---	---	---
14	38,600	27,400	32,400	44,900	27,500	35,500	---	---	---	---	---	---
15	39,800	26,800	32,500	41,400	28,500	35,400	---	---	---	---	---	---
16	38,700	24,500	30,800	41,700	28,200	34,600	---	---	---	---	---	---
17	37,900	21,300	28,900	40,800	26,000	32,800	---	---	---	---	---	---
18	38,000	20,400	28,900	38,700	22,700	31,000	---	---	---	---	---	---
19	36,500	19,800	28,300	37,400	20,100	29,500	---	---	---	---	---	---
20	37,600	19,100	28,600	36,300	18,500	28,300	---	---	---	---	---	---
21	40,500	21,700	32,500	34,800	17,800	27,200	---	---	---	---	---	---
22	41,400	24,900	34,600	35,700	17,900	28,200	---	---	---	---	---	---
23	40,900	27,100	35,100	36,200	19,800	28,200	---	---	---	---	---	---
24	41,200	29,300	35,600	36,300	19,800	28,200	---	---	---	---	---	---
25	41,200	30,300	35,700	35,500	20,100	26,400	---	---	---	---	---	---
26	41,200	29,900	35,500	34,400	16,700	25,600	---	---	---	---	---	---
27	41,200	28,700	35,100	36,300	16,600	27,500	---	---	---	---	---	---
28	41,200	28,000	34,300	33,900	17,200	25,200	---	---	---	---	---	---
29	40,900	27,500	34,100	33,500	13,800	24,000	---	---	---	---	---	---
30	40,700	26,900	33,400	35,300	15,900	25,800	---	---	---	---	---	---
31	38,800	25,700	32,100	---	---	---	---	---	---	---	---	---
MONTH	42,300	7,180	30,400	44,900	13,800	31,100	---	---	---	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	15.7	6.4	9.8	12.7	4.0	6.7
2	---	---	---	---	---	---	16.4	6.5	9.4	13.5	4.5	7.7
3	---	---	---	---	---	---	17.2	7.0	11.2	14.4	5.2	8.5
4	---	---	---	---	---	---	21.2	8.7	13.5	15.8	6.3	9.5
5	---	---	---	---	---	---	20.4	9.8	15.0	16.8	7.1	10.7
6	---	---	---	---	---	---	20.1	11.7	14.6	16.8	5.1	10
7	---	---	---	---	---	---	20.7	11.1	14.7	17.8	6.6	10.7
8	---	---	---	16.0	3.4	7.6	21.0	11.2	15.2	19.7	7.6	12.3
9	---	---	---	15.4	3.3	8.1	20.7	11.6	14.9	20.2	9.2	13.0
10	---	---	---	18.7	4.6	10	20.3	10.7	15.2	21.1	8.6	12.8
11	---	---	---	19.1	6.6	10.6	19.0	9.7	12.8	20.3	9.4	14.0
12	---	---	---	17.0	6.6	9.8	15.6	5.8	9.8	20.1	11.3	14.5
13	---	---	---	14.6	5.7	8.3	15.3	3.9	7.8	19.6	10.5	13.7
14	---	---	---	12.5	4.2	7.1	16.6	4.3	8.3	19.6	10.1	13.7
15	---	---	---	14.1	5.1	8.4	9.4	3.0	5.1	21.2	9.1	13.6
16	---	---	---	15.7	6.6	9.1	9.8	2.4	4.3	19.6	9.8	13.7
17	---	---	---	16.0	7.1	9.9	8.5	1.6	3.7	20.5	10.4	14.3
18	---	---	---	18.6	8.3	11.8	7.0	1.2	3.2	21.9	10.5	15.2
19	---	---	---	18.9	10.4	13.9	7.0	0.6	2.6	20.6	10.1	14.3
20	---	---	---	19.1	9.3	12.8	6.6	0.3	2.2	21.2	9.8	14.9
21	---	---	---	20.9	10.3	14.3	8.3	0.2	2.7	22.5	10.8	15.8
22	---	---	---	20.3	10.3	13.8	8.8	0.3	3.0	21.7	11.3	15.6
23	---	---	---	20.1	9.0	12.9	9.5	0.2	3.1	21.6	10.5	14.7
24	---	---	---	19.1	7.8	12.7	11.8	0.4	3.6	21.6	10.3	14.4
25	---	---	---	20.1	7.1	11.9	10	0.5	3.3	22.6	9.8	14.8
26	---	---	---	20.8	6.8	12.4	11.2	1.0	4.0	23.4	11.2	15.5
27	---	---	---	20.5	7.6	12.5	12.5	1.7	4.7	20.5	10.5	14.0
28	---	---	---	18.8	7.8	12.3	12.2	2.1	5.0	18.6	8.1	11.6
29	---	---	---	16.0	5.5	9.0	11.9	2.5	5.4	16.3	7.5	10.7
30	---	---	---	16.9	6.1	9.9	12.2	3.0	5.4	16.4	6.7	10
31	---	---	---	---	---	---	13.1	3.6	6.0	17.2	6.9	9.9
MONTH	---	---	---	---	---	---	21.2	0.2	7.7	23.4	4.0	12.6
		FEBRUARY			MARCH			APRIL			MAY	
1	19.0	7.2	11.0	9.5	2.2	4.9	---	---	---	---	---	---
2	21.4	7.6	13.4	6.7	2.1	3.7	21.1	14.7	17.2	---	---	---
3	20.8	9.3	14.6	7.2	1.7	3.5	21.8	14.1	17.0	---	---	---
4	19.0	10.4	13.8	9.5	1.8	4.2	21.9	14.2	17.2	---	---	---
5	20.8	9.6	13.8	9.5	2.0	4.3	22.1	13.2	16.7	---	---	---
6	20.7	9.6	14.3	9.9	1.3	4.0	22.6	13.0	17.0	---	---	---
7	18.0	6.4	11.1	9.0	0.6	3.3	22.6	12.4	16.7	11.9	1.0	4.5
8	14.9	4.9	8.6	10.7	0.8	3.5	21.9	12.5	16.5	10.4	0.6	3.6
9	16.1	5.1	8.9	14.0	1.6	5.6	22.8	10.7	15.8	10.3	1.2	3.7
10	14.4	4.5	7.9	14.0	2.6	6.3	22.4	11.7	16.2	9.2	1.5	3.6
11	12.7	4.0	6.9	15.8	4.7	8.1	21.5	10.2	15.3	8.1	1.3	3.6
12	14.1	3.4	6.7	14.0	5.0	8.0	19.7	10.5	14.6	7.5	1.3	3.5
13	14.0	3.3	6.8	12.7	4.1	7.2	19.2	10	14.3	8.3	1.7	3.8
14	14.2	3.5	6.7	14.4	4.0	7.0	17.6	5.5	10.3	9.1	1.9	4.5
15	14.5	3.0	6.6	12.7	4.6	7.4	15.1	5.0	8.5	11.1	2.6	5.5
16	13.0	2.8	6.7	14.0	4.9	8.5	14.9	5.0	9.3	13.2	3.2	6.5
17	15.8	3.3	8.0	14.1	5.3	8.9	13.7	5.7	8.9	14.6	4.3	7.7
18	15.8	4.6	8.1	16.1	5.7	10.2	11.5	3.9	7.2	15.8	5.6	8.8
19	14.0	4.4	7.8	15.7	6.2	9.9	10.7	2.2	5.7	16.4	6.2	9.8
20	12.3	3.1	6.2	17.5	5.7	10.2	9.6	2.2	5.0	14.9	6.5	9.5
21	9.6	1.2	4.0	15.1	5.7	9.1	10.5	2.1	4.8	15.8	7.0	9.7
22	9.5	0.3	3.3	12.9	3.8	7.2	9.3	1.8	4.4	15.8	8.0	10.4
23	12.7	0.9	3.8	13.6	4.2	7.3	8.4	2.0	4.3	16.4	8.6	11.0
24	12.6	1.7	4.9	---	---	---	9.0	2.1	4.2	15.6	8.8	11.2
25	14.2	2.6	6.3	---	---	---	---	---	---	16.9	8.6	11.5
26	12.8	3.8	7.2	---	---	---	---	---	---	15.3	8.6	11.6
27	14.6	5.9	9.2	---	---	---	---	---	---	15.8	8.6	11.8
28	17.4	6.5	10	---	---	---	---	---	---	17.6	10	12.8
29	15.0	3.9	7.3	---	---	---	---	---	---	18.7	10.1	13.1
30	---	---	---	---	---	---	---	---	---	20.8	11.1	15.5
31	---	---	---	---	---	---	---	---	---	21.7	13.4	16.6
MONTH	21.4	0.3	8.4	---	---	---	---	---	---	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.4	13.5	17.1	23.5	13.1	17.0	24.7	15.2	19.6	11.0	2.1	5.4
2	24.3	13.6	17.7	23.6	12.4	16.9	24.8	14.4	19.0	10.2	1.6	4.0
3	24.2	13.2	17.6	22.9	11.3	16.3	24.1	12.4	17.7	9.1	1.5	3.5
4	23.9	13.8	17.8	23.2	11.3	15.9	23.5	13.4	16.9	6.6	1.2	2.8
5	24.6	13.2	17.8	23.3	11.3	15.6	22.8	13.2	16.9	8.0	0.9	2.4
6	24.6	14.6	18.3	21.8	11.1	15.2	20.8	11.3	14.7	5.6	1.4	2.6
7	24.4	14.4	18.4	21.6	12.3	16.0	20.6	10.9	14.7	8.6	1.4	3.3
8	24.1	13.6	17.9	21.9	12.6	16.0	20.4	11.7	14.4	8.6	2.3	4.8
9	22.4	12.9	17.1	21.0	12.3	15.7	18.8	11.0	14.1	6.0	2.1	3.8
10	22.3	12.4	16.5	19.6	11.6	15.1	19.1	10.1	13.7	5.2	1.1	2.3
11	21.4	12.3	15.9	20.1	11.1	14.6	19.2	11.4	14.5	7.8	1.1	2.5
12	20.1	11.7	15.5	19.5	10.9	14.5	20.3	12.4	15.1	6.7	1.3	2.8
13	21.7	12.5	16.3	20.5	12.3	15.2	18.2	12.1	14.7	8.7	1.7	3.6
14	21.4	12.8	16.4	21.5	12.8	15.6	17.4	10.6	13.8	8.7	1.8	3.8
15	21.4	13.0	16.4	21.6	12.8	16.1	13.9	4.8	9.5	7.5	1.1	3.0
16	21.3	12.5	16.0	21.8	13.3	16.5	10.8	2.8	5.8	5.7	0.2	1.8
17	21.3	11.9	15.6	23.0	14.2	17.4	8.0	1.7	4.1	5.8	0.1	1.8
18	21.5	11.8	15.5	22.4	13.8	16.7	7.2	0.9	3.0	3.1	0.08	0.9
19	22.7	11.5	15.5	22.1	13.4	16.6	5.5	0.3	2.0	5.6	0.07	1.8
20	22.6	11.8	15.4	22.0	13.6	16.7	5.0	0.1	1.3	17.4	1.5	4.7
21	22.7	13.7	16.8	22.1	14.2	17.2	4.0	0.06	1.1	---	---	---
22	22.8	14.8	17.4	22.9	14.7	17.9	2.5	0.06	0.7	---	---	---
23	21.7	13.6	16.9	23.0	15.2	18.3	5.8	0.2	1.5	---	---	---
24	19.9	12.6	15.7	22.1	14.4	17.6	7.8	1.0	2.7	18.0	4.5	8.1
25	20.2	12.3	16.0	22.0	13.1	16.8	9.3	1.6	3.8	---	---	---
26	21.5	13.5	16.5	23.0	13.8	17.7	13.6	2.0	5.2	17.2	6.7	10.9
27	21.8	13.3	16.8	23.7	14.9	18.7	14.0	3.8	7.0	18.1	7.4	12.5
28	22.7	13.3	16.8	24.2	15.5	19.0	15.1	4.7	8.5	18.0	9.5	13.2
29	22.8	12.1	16.6	23.7	13.6	18.4	17.3	5.9	10	16.7	7.0	10.9
30	22.9	12.7	17.0	24.6	13.8	18.1	16.7	5.0	9.7	17.8	6.5	10.7
31	---	---	---	24.7	14.7	19.1	12.3	3.4	7.0	---	---	---
MONTH	24.6	11.5	16.7	24.7	10.9	16.7	24.8	0.06	9.8	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, 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	17.5	6.4	10.4	21.1	12.1	15.7	16.5	7.1	10	---	---	---
2	15.5	5.8	9.0	21.3	11.8	15.5	---	---	---	---	---	---
3	13.1	4.2	6.8	19.4	12.5	14.8	---	---	---	---	---	---
4	11.9	3.4	6.1	20.8	12.3	16.1	---	---	---	---	---	---
5	9.3	3.5	5.2	21.0	12.5	15.1	---	---	---	---	---	---
6	13.9	3.5	5.7	20.6	13.2	16.1	---	---	---	---	---	---
7	15.9	4.5	6.9	20.8	14.3	16.9	---	---	---	---	---	---
8	18.1	5.6	9.5	21.5	15.4	17.5	---	---	---	---	---	---
9	19.6	7.3	12.6	23.8	15.2	19.1	---	---	---	---	---	---
10	20.2	11.3	15.2	23.9	17.0	20.6	---	---	---	---	---	---
11	21.4	13.8	17.0	24.8	17.8	21.1	---	---	---	---	---	---
12	22.8	15.9	18.6	25.5	18.0	21.6	---	---	---	---	---	---
13	23.3	16.2	19.5	24.7	16.7	20.3	---	---	---	---	---	---
14	23.5	16.4	19.2	25.6	16.0	20.4	---	---	---	---	---	---
15	24.2	15.8	19.0	25.5	16.8	20.6	---	---	---	---	---	---
16	22.9	14.1	17.5	25.3	15.6	19.7	---	---	---	---	---	---
17	21.7	11.9	15.7	23.8	14.2	18.3	---	---	---	---	---	---
18	21.2	10.3	14.9	22.4	12.1	16.3	---	---	---	---	---	---
19	20.1	10.7	14.7	20.8	10.5	14.8	---	---	---	---	---	---
20	19.4	9.7	13.5	20.3	9.8	13.6	---	---	---	---	---	---
21	22.1	10.2	14.8	18.5	8.9	12.9	---	---	---	---	---	---
22	23.3	12.7	16.9	19.6	9.5	13.6	---	---	---	---	---	---
23	23.2	14.6	18.9	20.3	9.8	14.4	---	---	---	---	---	---
24	23.7	16.7	20.1	20.4	10.4	15.0	---	---	---	---	---	---
25	24.1	17.4	20.4	20.8	11.3	14.4	---	---	---	---	---	---
26	24.2	17.0	20.2	19.2	8.6	12.7	---	---	---	---	---	---
27	24.1	16.5	19.8	19.9	8.1	13.2	---	---	---	---	---	---
28	23.7	15.7	18.9	18.2	9.1	12.2	---	---	---	---	---	---
29	23.4	14.8	18.7	17.0	6.8	10.6	---	---	---	---	---	---
30	23.3	14.4	18.1	17.4	6.8	10.5	---	---	---	---	---	---
31	21.9	14.0	17.0	---	---	---	---	---	---	---	---	---
MONTH	24.2	3.4	14.9	25.6	6.8	16.1	---	---	---	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	18.6	7.2	12.2	16.6	4.5	10.1
2	---	---	---	---	---	---	18.4	6.9	12.1	18.4	4.5	11.3
3	---	---	---	---	---	---	20.0	7.8	13.9	18.5	5.3	11.6
4	---	---	---	---	---	---	22.6	9.7	16.6	17.9	6.2	11.4
5	---	---	---	---	---	---	22.4	11.0	16.7	17.0	6.9	11.3
6	---	---	---	---	---	---	20.3	11.7	15.7	18.1	6.7	11.4
7	---	---	---	---	---	---	20.9	11.5	16.0	20.3	7.8	13.6
8	---	---	---	19.0	3.5	9.8	21.9	11.5	16.4	20.8	8.8	14.4
9	---	---	---	19.2	3.5	11.0	21.9	11.8	16.1	21.7	9.9	14.8
10	---	---	---	18.8	4.9	12.2	21.3	11.0	15.9	22.1	8.9	15.1
11	---	---	---	19.0	7.0	11.9	19.4	9.5	13.4	21.8	10.2	16.2
12	---	---	---	18.5	7.1	11.2	17.3	6.8	11.3	20.9	11.9	15.8
13	---	---	---	16.2	6.1	9.4	19.6	5.1	11.2	20.1	11.3	14.9
14	---	---	---	17.0	4.8	10.1	19.6	5.1	12.1	21.1	10.6	15.5
15	---	---	---	18.7	5.9	12.1	14.4	3.7	7.4	22.1	9.7	15.3
16	---	---	---	20.5	7.0	12.6	11.9	2.5	6.0	21.2	10.3	15.7
17	---	---	---	19.4	7.9	13.3	11.3	1.6	5.3	21.8	10.8	16.1
18	---	---	---	20.7	9.3	14.4	10.5	1.2	4.5	22.4	10.8	16.2
19	---	---	---	20.2	10.5	15.0	9.0	0.5	3.6	21.8	10.7	15.7
20	---	---	---	20.5	10	14.3	8.9	0.4	3.2	22.6	10.0	16.5
21	---	---	---	21.7	10.3	15.5	10.5	0.2	4.0	22.8	11.3	16.7
22	---	---	---	21.6	11.0	15.1	11.5	0.5	4.2	22.7	11.7	16.5
23	---	---	---	21.2	9.5	14.1	10.9	0.4	4.1	22.4	10.9	15.8
24	---	---	---	21.0	8.1	13.8	12.0	0.5	4.5	22.4	10.7	15.9
25	---	---	---	20.5	7.2	13.1	11.3	0.7	4.4	23.9	10.0	16.5
26	---	---	---	21.4	7.1	14.0	13.1	1.0	5.1	23.9	11.9	17.6
27	---	---	---	21.5	7.9	14.1	15.4	1.7	6.4	21.6	10.7	16.2
28	---	---	---	20.3	8.3	13.4	15.2	2.3	7.0	20.4	8.6	14.2
29	---	---	---	17.0	5.6	10.4	14.7	3.2	7.5	19.0	8.1	13.4
30	---	---	---	19.4	6.7	12.4	14.6	3.2	7.6	18.8	7.2	13.1
31	---	---	---	---	---	---	15.9	3.9	8.9	---	---	---
MONTH	---	---	---	---	---	---	22.6	0.2	9.5	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	15.8	2.7	7.7	---	---	---	---	---	---
2	---	---	---	13.4	2.0	4.7	22.2	15.1	17.6	---	---	---
3	---	---	---	11.7	1.9	4.4	22.7	14.2	17.6	---	---	---
4	---	---	---	12.9	2.1	5.0	23.0	14.2	17.6	---	---	---
5	---	---	---	12.4	2.1	5.0	23.5	13.3	17.0	---	---	---
6	---	---	---	11.2	1.4	4.4	23.7	13.6	17.1	---	---	---
7	---	---	---	11.3	0.7	3.7	23.7	12.6	16.8	15.1	1.4	5.8
8	---	---	---	12.6	1.0	4.1	23.0	12.8	17.0	13.9	0.9	5.2
9	---	---	---	17.2	1.8	6.5	24.0	11.7	17.5	14.4	1.3	5.4
10	---	---	---	18.1	3.0	7.8	24.6	12.3	17.4	14.9	1.6	5.6
11	16.1	4.3	8.7	17.5	4.1	9.2	22.6	11.1	15.9	14.2	1.5	5.7
12	16.6	3.6	9.2	17.0	5.6	9.2	22.1	11.0	15.5	13.4	1.8	5.8
13	17.4	3.9	9.4	16.5	4.8	8.8	21.7	9.9	14.8	13.6	1.9	5.9
14	17.2	3.6	9.0	18.0	4.7	9.3	18.8	5.9	12.1	14.5	2.1	6.8
15	17.4	3.2	9.6	18.6	5.3	9.5	---	---	---	15.8	2.9	7.9
16	17.8	3.1	10.1	18.6	5.5	10.4	---	---	---	17.8	3.8	8.9
17	18.6	4.1	10.8	18.8	5.9	11.0	---	---	---	18.4	4.9	9.9
18	17.8	4.9	10.0	19.8	6.7	11.7	---	---	---	19.0	6.4	10.9
19	16.3	5.0	9.3	18.4	6.8	11.2	---	---	---	19.0	6.8	11.8
20	15.1	3.3	7.5	19.6	6.5	11.6	---	---	---	18.6	6.8	11.8
21	11.7	1.5	4.9	17.4	6.1	10.2	---	---	---	18.6	7.5	12.1
22	12.5	0.6	4.8	17.6	4.3	9.5	---	---	---	19.4	8.3	12.8
23	14.6	1.2	5.6	17.6	4.5	9.5	---	---	---	19.6	9.0	13.1
24	16.0	1.9	7.8	---	---	---	---	---	---	20.1	9.4	13.6
25	20.1	3.6	10.7	---	---	---	---	---	---	20.2	9.3	13.9
26	21.9	4.5	13.1	---	---	---	---	---	---	19.6	9.6	14.4
27	20.7	8.1	13.7	---	---	---	---	---	---	20.7	9.4	15.2
28	20.1	8.0	14.5	---	---	---	---	---	---	22.1	10.2	16.0
29	18.9	4.4	11.1	---	---	---	---	---	---	23.0	11.0	16.6
30	---	---	---	---	---	---	---	---	---	23.9	12.2	18.1
31	---	---	---	---	---	---	---	---	---	23.5	13.8	18.1
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	24.6	14.0	18.4	24.7	13.5	18.3	25.9	15.5	20.6	15.5	2.5	7.7
2	25.3	14.2	18.7	25.1	13.0	18.3	26.0	15.1	20.2	14.5	2.0	6.5
3	25.8	13.5	18.8	24.2	7.6	15.8	26.5	13.4	19.4	14.6	1.9	6.7
4	26.1	14.6	19.1	23.8	9.8	16.7	25.8	14.0	18.9	13.4	1.6	6.1
5	26.2	14.6	19.6	25.1	12.0	17.7	24.8	13.6	18.5	15.8	1.3	7.0
6	27.1	15.6	20.3	24.5	12.4	17.6	23.6	11.5	17.3	16.6	1.4	8.6
7	27.2	15.5	20.4	24.4	13.2	17.8	24.9	11.8	18.5	19.2	2.9	10.4
8	26.5	14.8	19.8	23.3	13.2	18.0	23.6	12.3	18.3	14.3	3.3	7.1
9	24.6	14.0	18.9	23.9	13.0	18.0	22.7	12.1	17.5	9.0	2.1	4.8
10	24.0	13.4	18.7	23.9	12.7	17.9	23.3	11.7	18.1	11.7	1.4	4.7
11	23.0	13.1	18.2	24.2	12.2	18.1	23.8	12.9	18.3	14.3	1.4	5.8
12	---	---	---	24.6	12.2	18.5	23.1	13.1	17.5	15.8	1.5	6.7
13	---	---	---	23.7	13.0	18.2	20.5	12.6	16.1	15.5	2.0	6.8
14	---	---	---	23.9	13.5	17.7	19.2	11.6	15.1	14.9	2.2	6.3
15	---	---	---	24.6	13.7	18.1	16.7	5.8	11.0	11.7	1.3	4.6
16	22.8	13.4	17.3	24.6	14.3	18.6	14.6	3.3	7.9	8.8	0.2	3.1
17	23.5	13.0	17.3	23.9	15.1	19.0	13.0	2.0	5.9	9.4	0.1	2.9
18	24.0	12.5	17.5	24.0	14.2	18.2	12.5	1.1	4.6	6.9	0.09	2.0
19	25.0	12.7	18.3	24.5	14.6	18.9	10.0	0.4	3.2	13.2	0.08	4.0
20	25.8	12.5	19.5	24.6	14.6	19.0	17.1	0.10	2.6	21.2	1.5	10.5
21	26.0	14.7	19.7	24.4	15.3	19.5	8.1	0.09	2.0	---	---	---
22	25.0	14.5	18.9	24.5	15.8	19.9	6.6	0.04	1.5	---	---	---
23	23.0	14.4	18.1	24.7	16.0	20.1	13.2	0.3	3.6	18.2	5.5	11.4
24	22.6	13.6	17.8	24.3	15.4	19.4	13.8	1.2	5.6	20.3	5.6	12.6
25	23.0	13.5	18.2	24.6	14.6	19.5	15.4	1.8	7.2	---	---	---
26	23.2	13.7	18.1	25.1	14.8	20.0	17.6	2.8	9.1	20.3	7.8	14.0
27	24.6	14.0	19.1	25.2	15.7	20.2	18.1	4.2	9.9	20.5	9.1	14.5
28	24.1	13.8	18.6	25.3	16.0	20.0	18.6	5.2	11.0	19.9	10.2	14.4
29	24.4	13.3	18.2	25.2	14.6	19.5	18.1	6.2	11.5	19.1	7.7	12.8
30	24.6	13.4	18.6	25.8	14.3	19.5	16.6	5.7	10.6	20.6	7.3	13.5
31	---	---	---	26.1	15.7	20.3	15.8	4.1	8.8	---	---	---
MONTH	---	---	---	26.1	7.6	18.7	26.5	0.04	11.9	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
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	21.0	7.3	13.2	24.2	14.3	19.5	20.5	8.3	14.0	---	---	---
2	19.6	6.2	11.6	24.4	14.6	20.3	---	---	---	---	---	---
3	18.6	4.3	10.2	24.1	15.3	20.3	---	---	---	---	---	---
4	18.4	3.9	10.4	25.8	15.8	21.8	---	---	---	---	---	---
5	20.2	3.9	11.5	24.2	16.1	20.7	---	---	---	---	---	---
6	23.4	4.1	16.6	24.1	16.1	20.9	---	---	---	---	---	---
7	25.7	12.8	20.5	23.5	16.4	20.4	---	---	---	---	---	---
8	27.1	16.8	23.3	23.8	16.4	20.0	---	---	---	---	---	---
9	26.5	15.7	22.0	25.1	16.6	21.5	---	---	---	---	---	---
10	23.5	14.3	19.9	25.4	17.6	22.2	---	---	---	---	---	---
11	23.3	14.7	18.9	26.0	18.6	22.5	---	---	---	---	---	---
12	23.8	16.0	19.8	26.7	19.0	22.9	---	---	---	---	---	---
13	24.5	16.8	20.4	26.2	17.4	21.6	---	---	---	---	---	---
14	24.5	16.8	20.3	29.0	16.9	22.4	---	---	---	---	---	---
15	25.3	16.4	20.3	26.5	17.6	22.3	---	---	---	---	---	---
16	24.6	14.9	19.1	26.7	17.4	21.8	---	---	---	---	---	---
17	24.0	12.8	17.9	26.1	15.9	20.5	---	---	---	---	---	---
18	24.1	12.2	17.9	24.6	13.7	19.3	---	---	---	---	---	---
19	23.0	11.8	17.4	23.7	12.0	18.3	---	---	---	---	---	---
20	23.8	11.3	17.7	22.9	10.9	17.4	---	---	---	---	---	---
21	25.8	13.0	20.3	21.9	10.5	16.7	---	---	---	---	---	---
22	26.5	15.1	21.8	22.5	10.5	17.4	---	---	---	---	---	---
23	26.1	16.6	22.1	22.8	11.8	17.4	---	---	---	---	---	---
24	26.3	18.1	22.4	22.9	11.8	17.4	---	---	---	---	---	---
25	26.3	18.8	22.5	22.4	12.0	16.2	---	---	---	---	---	---
26	26.3	18.5	22.4	21.6	9.8	15.7	---	---	---	---	---	---
27	26.3	17.7	22.1	22.9	9.7	16.9	---	---	---	---	---	---
28	26.3	17.2	21.5	21.2	10.1	15.4	---	---	---	---	---	---
29	26.1	16.9	21.4	21.0	8.0	14.6	---	---	---	---	---	---
30	26.0	16.5	20.9	22.2	9.3	15.8	---	---	---	---	---	---
31	24.6	15.7	20.0	---	---	---	---	---	---	---	---	---
MONTH	27.1	3.9	18.9	29.0	8.0	19.3	---	---	---	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	7.2	6.5	6.8	---	---	---	---	---	---
9	---	---	---	7.4	6.6	6.9	---	---	---	---	---	---
10	---	---	---	7.6	6.8	7.1	---	---	---	---	---	---
11	---	---	---	7.6	6.8	7.1	---	---	---	---	---	---
12	---	---	---	7.4	6.7	7.0	---	---	---	---	---	---
13	---	---	---	7.3	6.8	7.0	---	---	---	---	---	---
14	---	---	---	7.3	6.7	7.0	---	---	---	---	---	---
15	---	---	---	7.4	6.9	7.1	---	---	---	---	---	---
16	---	---	---	7.5	6.9	7.1	---	---	---	---	---	---
17	---	---	---	7.4	6.9	7.1	---	---	---	---	---	---
18	---	---	---	7.6	6.9	7.2	---	---	---	---	---	---
19	---	---	---	7.6	7.1	7.4	---	---	---	---	---	---
20	---	---	---	7.7	7.3	7.5	---	---	---	---	---	---
21	---	---	---	7.8	7.3	7.5	---	---	---	---	---	---
22	---	---	---	7.7	7.3	7.5	---	---	---	---	---	---
23	---	---	---	7.7	7.3	7.4	---	---	---	---	---	---
24	---	---	---	7.7	7.0	7.4	---	---	---	---	---	---
25	---	---	---	7.6	7.1	7.4	---	---	---	---	---	---
26	---	---	---	7.7	7.1	7.4	---	---	---	---	---	---
27	---	---	---	7.6	7.2	7.4	---	---	---	---	---	---
28	---	---	---	7.7	7.3	7.5	---	---	---	---	---	---
29	---	---	---	7.7	7.3	7.5	---	---	---	---	---	---
30	---	---	---	7.7	7.3	7.5	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	7.2	6.7	6.9	---	---	---	---	---	---
2	---	---	---	7.2	6.8	7.0	7.8	7.5	7.6	---	---	---
3	---	---	---	7.4	6.9	7.1	7.8	7.4	7.6	---	---	---
4	---	---	---	7.6	6.8	7.1	7.8	7.4	7.6	---	---	---
5	---	---	---	7.4	6.7	7.0	7.8	7.4	7.6	---	---	---
6	---	---	---	7.5	6.9	7.2	7.8	7.4	7.6	---	---	---
7	---	---	---	7.7	7.0	7.2	7.8	7.4	7.6	7.5	6.8	7.1
8	---	---	---	7.7	7.0	7.3	7.9	7.4	7.6	7.5	6.7	7.0
9	---	---	---	7.9	6.9	7.3	7.8	7.3	7.6	7.5	6.7	6.9
10	---	---	---	---	---	---	7.8	7.3	7.6	7.3	6.6	6.9
11	7.6	7.0	7.3	---	---	---	7.8	7.3	7.5	7.2	6.6	6.9
12	7.6	7.1	7.3	---	---	---	7.7	7.2	7.5	7.2	6.6	6.9
13	7.6	7.0	7.3	---	---	---	7.7	7.2	7.5	7.2	6.6	6.8
14	7.6	6.9	7.2	---	---	---	7.8	7.2	7.5	7.2	6.6	6.8
15	7.5	6.8	7.1	---	---	---	8.0	7.3	7.6	7.3	6.6	6.9
16	7.5	6.8	7.0	---	---	---	8.0	7.4	7.7	7.3	6.6	6.9
17	7.4	6.8	7.1	---	---	---	---	---	---	7.4	6.7	7.0
18	7.3	6.8	7.0	---	---	---	---	---	---	7.5	6.8	7.1
19	7.3	6.7	7.0	---	---	---	---	---	---	7.6	6.9	7.2
20	7.3	6.7	7.0	---	---	---	---	---	---	7.6	7.0	7.3
21	7.2	6.7	6.9	---	---	---	---	---	---	7.7	7.1	7.3
22	7.3	6.8	6.9	---	---	---	---	---	---	7.7	7.2	7.4
23	7.4	6.6	6.9	---	---	---	---	---	---	7.8	7.2	7.5
24	7.4	6.6	6.9	---	---	---	---	---	---	7.8	7.3	7.6
25	7.4	6.7	7.0	---	---	---	---	---	---	7.9	7.4	7.6
26	7.4	6.7	7.0	---	---	---	---	---	---	8.0	7.3	7.7
27	7.4	7.0	7.2	---	---	---	---	---	---	8.0	7.3	7.7
28	7.4	6.8	7.1	---	---	---	---	---	---	8.2	7.4	7.8
29	7.3	6.7	6.9	---	---	---	---	---	---	8.1	7.4	7.7
30	---	---	---	---	---	---	---	---	---	8.0	7.5	7.7
31	---	---	---	---	---	---	---	---	---	8.0	7.5	7.7
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.0	7.5	7.7	7.9	7.5	7.7	7.8	7.5	7.7	7.3	6.7	6.9
2	8.3	7.4	7.8	7.9	7.4	7.6	7.8	7.4	7.6	7.2	6.7	6.8
3	8.2	7.6	7.9	7.9	7.4	7.6	7.8	7.3	7.6	7.1	6.7	6.8
4	8.1	7.6	7.9	7.8	7.3	7.5	7.8	7.3	7.6	7.0	6.6	6.7
5	8.1	7.6	7.9	7.8	7.3	7.6	7.9	7.3	7.6	7.0	6.5	6.7
6	8.1	7.6	7.9	7.9	7.3	7.6	7.8	7.3	7.5	6.9	6.5	6.7
7	8.2	7.6	7.9	8.2	7.2	7.7	8.0	7.3	7.6	7.0	6.6	6.7
8	8.3	7.5	7.9	8.0	7.4	7.7	8.0	7.3	7.6	7.3	6.8	7.0
9	8.3	7.6	7.9	8.0	7.3	7.7	8.2	7.2	7.6	7.2	6.8	7.0
10	8.2	7.5	7.9	8.0	7.2	7.6	8.2	7.2	7.6	6.9	6.5	6.7
11	8.2	7.5	7.9	7.8	7.2	7.6	8.1	7.3	7.7	6.9	6.6	6.7
12	8.2	7.4	7.8	7.7	7.2	7.5	7.9	7.4	7.7	6.9	6.6	6.7
13	8.0	7.4	7.7	7.8	7.3	7.5	7.8	7.4	7.6	7.0	6.4	6.7
14	8.0	7.4	7.7	8.0	7.3	7.6	7.7	7.3	7.5	7.0	6.4	6.6
15	8.3	7.5	7.9	8.0	7.4	7.7	7.5	7.0	7.3	6.9	6.5	6.6
16	8.3	7.7	8.0	8.1	7.4	7.8	7.2	6.9	7.1	6.8	6.4	6.6
17	8.2	7.6	7.9	8.1	7.4	7.7	7.1	6.8	6.9	6.9	6.4	6.7
18	8.2	7.7	8.0	7.9	7.4	7.6	7.0	6.6	6.8	6.9	6.5	6.7
19	8.3	7.8	8.0	7.9	7.3	7.6	7.0	6.6	6.7	7.2	6.4	6.7
20	8.3	7.7	8.0	8.1	7.3	7.7	6.9	6.4	6.7	7.8	6.6	7.0
21	8.3	7.7	8.0	8.0	7.3	7.7	6.9	6.3	6.6	---	---	---
22	8.4	7.8	8.1	8.1	7.4	7.7	6.8	6.2	6.4	---	---	---
23	8.3	7.7	8.0	8.1	7.4	7.7	6.8	6.3	6.5	---	---	---
24	8.3	7.6	7.9	7.9	7.3	7.6	6.9	6.3	6.5	7.7	6.8	7.1
25	8.2	7.5	8.0	7.9	7.2	7.5	7.0	6.3	6.6	---	---	---
26	8.2	7.7	8.0	7.8	7.3	7.5	7.3	6.4	6.7	7.7	7.0	7.3
27	8.1	7.6	7.9	7.8	7.3	7.6	7.3	6.6	6.8	7.8	7.2	7.5
28	8.0	7.5	7.8	7.9	7.5	7.6	7.3	6.7	6.9	7.8	7.4	7.6
29	8.0	7.4	7.7	7.8	7.4	7.6	7.6	6.8	7.1	7.7	7.1	7.4
30	8.0	7.5	7.7	7.8	7.4	7.6	7.6	7.0	7.3	7.7	7.1	7.3
31	---	---	---	7.8	7.4	7.6	7.4	6.8	7.0	---	---	---
MONTH	8.4	7.4	7.9	8.2	7.2	7.6	8.2	6.2	7.2	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, 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	7.7	7.0	7.3	7.8	7.4	7.6	7.6	7.1	7.3	---	---	---
2	7.6	6.9	7.2	7.8	7.3	7.6	---	---	---	---	---	---
3	7.4	6.9	7.0	7.8	7.4	7.6	---	---	---	---	---	---
4	7.3	6.9	7.0	7.9	7.4	7.7	---	---	---	---	---	---
5	7.2	6.9	7.0	7.9	7.5	7.7	---	---	---	---	---	---
6	7.6	6.9	7.1	7.9	7.5	7.7	---	---	---	---	---	---
7	7.7	6.9	7.1	7.9	7.5	7.7	---	---	---	---	---	---
8	7.8	7.0	7.3	7.9	7.6	7.7	---	---	---	---	---	---
9	7.8	7.2	7.5	8.0	7.6	7.8	---	---	---	---	---	---
10	7.9	7.3	7.6	8.2	7.7	7.9	---	---	---	---	---	---
11	7.9	7.4	7.6	8.0	7.7	7.9	---	---	---	---	---	---
12	7.9	7.5	7.7	8.0	7.7	7.9	---	---	---	---	---	---
13	7.9	7.5	7.7	7.9	7.6	7.7	---	---	---	---	---	---
14	7.9	7.5	7.7	7.9	7.6	7.8	---	---	---	---	---	---
15	7.9	7.5	7.7	7.9	7.6	7.8	---	---	---	---	---	---
16	7.9	7.4	7.6	7.9	7.6	7.8	---	---	---	---	---	---
17	7.8	7.3	7.5	7.9	7.5	7.7	---	---	---	---	---	---
18	7.8	7.2	7.5	7.8	7.4	7.6	---	---	---	---	---	---
19	7.8	7.3	7.6	7.8	7.3	7.5	---	---	---	---	---	---
20	7.8	7.2	7.5	7.7	7.2	7.4	---	---	---	---	---	---
21	7.9	7.3	7.6	7.6	7.2	7.4	---	---	---	---	---	---
22	7.9	7.4	7.7	7.6	7.2	7.4	---	---	---	---	---	---
23	7.9	7.6	7.8	7.7	7.2	7.5	---	---	---	---	---	---
24	7.9	7.6	7.8	7.7	7.3	7.5	---	---	---	---	---	---
25	7.9	7.6	7.8	7.7	7.3	7.5	---	---	---	---	---	---
26	7.9	7.6	7.7	7.7	7.2	7.4	---	---	---	---	---	---
27	7.9	7.5	7.7	7.6	7.2	7.4	---	---	---	---	---	---
28	7.9	7.5	7.7	7.6	7.2	7.4	---	---	---	---	---	---
29	7.9	7.4	7.7	7.6	7.1	7.3	---	---	---	---	---	---
30	7.8	7.4	7.6	7.5	7.0	7.3	---	---	---	---	---	---
31	7.8	7.4	7.6	---	---	---	---	---	---	---	---	---
MONTH	7.9	6.9	7.5	8.2	7.0	7.6	---	---	---	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.8	7.3	7.6	8.0	7.5	7.8	7.9	7.5	7.7	7.5	6.6	7.0
2	8.0	7.4	7.7	7.9	7.4	7.7	8.0	7.5	7.8	7.4	6.6	6.9
3	8.0	7.5	7.8	7.9	7.3	7.6	8.0	7.5	7.8	7.5	6.6	7.0
4	7.9	7.5	7.7	7.8	7.3	7.6	8.0	7.5	7.7	7.4	6.4	6.9
5	7.9	7.6	7.7	7.8	7.3	7.6	7.9	7.4	7.7	7.4	6.4	6.9
6	8.0	7.5	7.8	7.8	7.3	7.6	7.9	7.3	7.6	7.4	6.5	6.9
7	8.0	7.6	7.8	8.0	7.3	7.7	7.9	7.4	7.7	7.6	6.6	7.0
8	7.9	7.4	7.7	8.0	7.5	7.8	7.9	7.4	7.7	7.4	6.8	7.0
9	7.8	7.3	7.6	8.0	7.4	7.8	7.9	7.4	7.7	7.2	6.6	7.0
10	7.9	7.3	7.7	8.0	7.4	7.8	8.0	7.3	7.7	7.2	6.4	6.7
11	8.0	7.3	7.7	8.0	7.4	7.7	8.0	7.4	7.8	7.3	6.4	6.7
12	7.9	7.3	7.7	8.0	7.4	7.7	8.0	7.5	7.8	7.3	6.5	6.8
13	8.0	7.5	7.8	8.0	7.5	7.7	7.9	7.4	7.7	7.6	6.5	6.9
14	8.0	7.5	7.8	7.9	7.4	7.7	7.8	7.4	7.6	7.5	6.6	6.9
15	8.0	7.6	7.8	8.0	7.5	7.7	7.6	7.1	7.4	7.3	6.6	6.8
16	8.1	7.7	7.9	8.0	7.6	7.8	7.5	6.9	7.2	7.1	6.6	6.7
17	8.0	7.6	7.9	8.0	7.5	7.8	7.4	6.7	7.0	7.2	6.6	6.8
18	8.0	7.6	7.9	7.9	7.5	7.7	7.3	6.6	6.9	7.2	6.7	6.9
19	8.0	7.6	7.9	7.9	7.4	7.7	7.2	6.4	6.8	7.6	6.6	7.0
20	8.1	7.6	7.9	7.9	7.5	7.7	7.1	6.1	6.7	8.0	6.8	7.4
21	8.1	7.7	7.9	7.9	7.4	7.8	7.1	6.0	6.5	---	---	---
22	8.2	7.7	8.0	7.9	7.5	7.8	7.0	5.7	6.3	---	---	---
23	8.3	7.8	8.0	7.9	7.5	7.8	7.4	6.1	6.6	7.5	6.6	7.0
24	8.2	7.7	8.0	7.8	7.4	7.7	7.3	6.3	6.7	7.6	6.7	7.1
25	8.3	7.7	8.0	7.8	7.3	7.6	7.5	6.4	6.8	---	---	---
26	8.2	7.7	8.0	7.8	7.3	7.6	7.7	6.6	7.0	7.6	6.9	7.3
27	8.0	7.6	7.9	7.8	7.3	7.6	7.6	6.6	7.1	7.6	7.0	7.4
28	7.9	7.5	7.7	7.8	7.4	7.6	7.6	6.7	7.1	7.6	7.2	7.4
29	7.8	7.3	7.7	7.8	7.3	7.6	7.6	6.8	7.2	7.7	7.1	7.4
30	8.0	7.4	7.7	7.8	7.3	7.6	7.6	7.0	7.3	7.8	7.1	7.5
31	---	---	---	7.9	7.4	7.6	7.5	6.8	7.2	---	---	---
MONTH	8.3	7.3	7.8	8.0	7.3	7.7	8.0	5.7	7.3	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.8	7.0	7.4	8.0	7.6	7.8	7.6	7.1	7.4	---	---	---
2	7.7	6.9	7.3	7.9	7.6	7.8	---	---	---	---	---	---
3	7.6	6.8	7.2	7.9	7.5	7.7	---	---	---	---	---	---
4	7.6	6.8	7.2	7.9	7.6	7.8	---	---	---	---	---	---
5	7.7	6.8	7.2	7.8	7.5	7.7	---	---	---	---	---	---
6	7.8	6.9	7.5	7.8	7.5	7.7	---	---	---	---	---	---
7	7.8	7.2	7.6	7.8	7.5	7.7	---	---	---	---	---	---
8	7.8	7.5	7.7	7.8	7.5	7.7	---	---	---	---	---	---
9	7.8	7.6	7.7	8.1	7.5	7.9	---	---	---	---	---	---
10	7.8	7.4	7.7	8.1	7.8	8.0	---	---	---	---	---	---
11	7.8	7.4	7.6	8.1	7.8	8.0	---	---	---	---	---	---
12	7.8	7.4	7.6	8.0	7.7	7.9	---	---	---	---	---	---
13	7.8	7.4	7.6	8.0	7.7	7.8	---	---	---	---	---	---
14	7.7	7.4	7.6	8.1	7.7	7.9	---	---	---	---	---	---
15	7.8	7.3	7.6	8.0	7.8	7.9	---	---	---	---	---	---
16	7.8	7.4	7.6	8.0	7.6	7.9	---	---	---	---	---	---
17	7.8	7.3	7.5	7.9	7.6	7.7	---	---	---	---	---	---
18	7.8	7.2	7.5	7.9	7.5	7.7	---	---	---	---	---	---
19	7.7	7.3	7.5	7.8	7.4	7.7	---	---	---	---	---	---
20	8.0	7.2	7.7	7.8	7.4	7.7	---	---	---	---	---	---
21	8.1	7.5	7.9	7.8	7.3	7.6	---	---	---	---	---	---
22	8.1	7.7	8.0	7.8	7.3	7.6	---	---	---	---	---	---
23	8.2	7.8	8.0	7.8	7.3	7.6	---	---	---	---	---	---
24	8.1	7.8	8.0	7.8	7.3	7.6	---	---	---	---	---	---
25	8.1	7.8	7.9	7.7	7.3	7.5	---	---	---	---	---	---
26	8.1	7.7	7.9	7.7	7.2	7.5	---	---	---	---	---	---
27	8.1	7.7	7.9	7.7	7.2	7.5	---	---	---	---	---	---
28	8.0	7.6	7.8	7.6	7.3	7.5	---	---	---	---	---	---
29	8.0	7.6	7.8	7.7	7.2	7.5	---	---	---	---	---	---
30	8.0	7.6	7.8	7.7	7.2	7.5	---	---	---	---	---	---
31	8.0	7.6	7.8	---	---	---	---	---	---	---	---	---
MONTH	8.2	6.8	7.6	8.1	7.2	7.7	---	---	---	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	14.4	13.0	13.8	9.2	7.8	8.5
2	---	---	---	---	---	---	14.0	12.7	13.2	9.3	8.1	8.7
3	---	---	---	---	---	---	13.4	11.6	12.5	10.2	8.4	9.3
4	---	---	---	---	---	---	12.6	11.3	11.9	10.8	9.5	10.1
5	---	---	---	---	---	---	12.3	11.7	12.0	12.8	9.8	11.2
6	---	---	---	---	---	---	12.1	11.0	11.7	12.5	10.6	11.6
7	---	---	---	---	---	---	11.6	10.4	11.1	11.4	8.7	10.0
8	---	---	---	20.6	18.6	19.7	11.3	10.5	10.9	10.4	8.8	9.7
9	---	---	---	18.8	16.8	18.1	11.5	10.5	10.9	10.2	8.9	9.7
10	---	---	---	18.0	16.5	17.3	12.5	10.9	11.5	9.3	7.3	8.6
11	---	---	---	18.5	17.0	17.6	12.0	11.0	11.5	7.7	6.2	7.3
12	---	---	---	18.8	17.6	18.0	11.4	10.5	10.9	8.1	6.6	7.4
13	---	---	---	18.2	17.0	17.9	11.1	10.0	10.4	8.5	7.4	7.8
14	---	---	---	17.2	15.6	16.2	11.0	9.8	10.2	8.6	7.5	7.9
15	---	---	---	16.5	14.7	15.8	10.2	8.9	9.4	8.7	7.8	8.2
16	---	---	---	17.1	15.3	16.3	10.0	8.6	9.2	8.4	7.3	7.9
17	---	---	---	17.6	16.3	16.8	10.0	8.9	9.5	8.2	7.1	7.8
18	---	---	---	17.7	16.7	17.0	9.8	8.2	8.9	10.1	7.8	8.7
19	---	---	---	18.1	17.1	17.5	9.3	7.9	8.5	9.6	8.4	9.0
20	---	---	---	17.5	16.2	16.9	8.7	7.2	7.9	8.8	7.3	8.1
21	---	---	---	17.4	16.0	16.8	8.2	6.6	7.3	8.1	7.4	7.8
22	---	---	---	17.2	16.3	16.7	7.9	6.8	7.3	8.2	7.5	7.8
23	---	---	---	17.2	16.2	16.7	8.1	6.7	7.4	8.1	7.3	7.7
24	---	---	---	17.5	16.1	16.8	8.7	7.1	8.0	8.2	7.1	7.6
25	---	---	---	17.4	16.1	16.5	8.8	7.5	8.0	8.0	6.7	7.3
26	---	---	---	16.9	15.6	16.1	8.7	7.2	7.8	7.5	6.2	6.6
27	---	---	---	16.7	15.7	16.2	8.6	7.2	7.8	6.8	6.0	6.3
28	---	---	---	17.4	15.9	16.6	8.7	7.0	7.8	6.5	5.6	6.0
29	---	---	---	16.8	13.3	15.1	8.5	7.3	7.9	6.7	5.2	5.9
30	---	---	---	15.0	13.2	14.1	9.0	7.9	8.4	6.6	5.8	6.2
31	---	---	---	---	---	---	9.3	7.6	8.4	6.4	5.5	5.9
MONTH	---	---	---	---	---	---	14.4	6.6	9.7	12.8	5.2	8.1
		FEBRUARY			MARCH			APRIL			MAY	
1	6.3	5.0	5.5	10.3	8.4	9.1	---	---	---	22.3	21.0	21.5
2	6.3	4.9	5.7	11.4	9.0	10	15.4	14.4	15.0	22.6	20.8	21.6
3	8.0	6.2	7.0	11.4	9.9	10.4	15.6	13.8	14.8	22.1	21.3	21.8
4	8.0	6.8	7.2	12.7	9.8	10.8	15.9	14.6	15.2	21.9	20.4	21.2
5	7.9	6.7	7.3	12.7	10.6	11.6	15.1	13.8	14.7	21.8	20.2	21.2
6	9.0	7.0	7.9	14.6	11.8	13.0	15.2	13.9	14.6	22.4	20.9	21.6
7	9.9	8.6	9.2	14.3	13.2	13.7	16.4	14.2	15.1	23.6	21.6	22.2
8	9.0	7.8	8.4	13.9	12.9	13.6	16.8	15.3	15.9	24.0	22.0	22.6
9	8.6	7.8	8.1	13.7	12.2	13.2	17.9	15.9	16.6	24.1	22.0	22.8
10	8.6	8.0	8.2	13.4	11.9	12.8	18.3	16.5	17.2	24.4	22.4	23.2
11	8.6	8.0	8.3	13.2	11.1	12.2	18.8	17.3	17.9	24.4	22.6	23.3
12	8.6	7.7	8.1	13.7	11.7	12.6	18.6	17.9	18.2	24.7	22.9	23.7
13	8.5	7.4	7.9	13.6	12.2	12.9	19.0	18.1	18.5	24.9	23.5	24.0
14	8.2	7.8	8.0	14.0	12.1	12.9	18.4	17.0	17.7	25.4	23.6	24.3
15	8.2	7.7	8.0	14.5	12.7	13.5	17.6	15.8	17.0	25.3	24.0	24.5
16	7.9	7.1	7.7	14.5	13.5	14.0	18.6	16.6	17.6	25.7	24.2	24.7
17	7.8	6.9	7.3	14.5	13.4	14.0	19.4	17.4	18.2	26.2	24.5	25.1
18	7.5	6.7	7.2	14.7	13.3	14.0	20.0	18.1	18.8	25.5	24.7	25.0
19	8.3	6.8	7.5	15.5	13.9	14.5	20.2	18.6	19.2	25.8	24.4	25.1
20	9.0	7.6	8.1	15.0	13.8	14.4	20.9	18.9	19.6	26.3	24.8	25.4
21	9.9	8.2	8.8	15.5	14.5	14.9	20.8	19.5	20.0	27.0	25.1	25.9
22	9.7	8.8	9.2	14.5	12.9	14.0	21.5	19.8	20.5	27.5	25.5	26.2
23	9.9	8.9	9.3	14.5	13.0	13.6	22.2	20.3	21.1	27.3	25.8	26.4
24	9.7	9.3	9.5	---	---	---	23.4	20.9	21.8	27.4	26.0	26.5
25	9.8	9.2	9.4	---	---	---	24.1	21.3	22.1	28.0	26.0	26.7
26	9.3	8.2	8.7	---	---	---	23.1	21.7	22.4	28.0	26.1	27.0
27	8.4	7.8	8.1	---	---	---	22.8	21.5	22.0	28.0	26.4	27.1
28	9.1	7.1	7.9	---	---	---	21.6	19.9	21.0	27.8	26.4	27.2
29	9.3	7.9	8.5	---	---	---	22.2	19.9	21.2	28.0	26.8	27.4
30	---	---	---	---	---	---	23.2	20.6	21.7	27.4	26.4	26.9
31	---	---	---	---	---	---	---	---	---	27.3	26.2	26.8
MONTH	9.9	4.9	8.0	---	---	---	---	---	---	28.0	20.2	24.5

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.8	26.3	26.9	29.0	27.8	28.4	29.8	28.8	29.3	27.5	26.8	27.1
2	27.9	26.6	27.2	28.6	28.0	28.4	30.2	29.0	29.4	27.1	26.4	26.7
3	28.2	26.6	27.4	29.0	27.8	28.3	29.5	28.5	29.1	26.8	25.8	26.3
4	27.6	26.5	27.2	29.4	27.8	28.3	31.2	28.8	29.4	27.1	25.8	26.3
5	27.8	26.4	27.1	29.8	27.9	28.8	30.6	29.0	29.7	27.0	25.4	26.0
6	27.7	26.8	27.2	30.3	28.6	29.3	29.6	28.1	28.8	26.1	25.4	25.7
7	28.0	26.6	27.3	30.8	29.0	29.7	28.6	26.4	27.5	25.9	25.2	25.5
8	28.6	27.0	27.6	30.1	29.3	29.7	28.6	26.5	27.8	26.5	25.4	25.8
9	28.8	27.2	27.9	30.0	28.6	29.5	28.6	27.1	28.0	27.0	25.8	26.2
10	28.6	27.3	28.0	30.8	28.9	29.8	29.0	27.2	28.1	26.9	25.8	26.3
11	28.8	27.5	28.2	30.7	29.5	30.0	29.1	27.6	28.2	26.2	25.3	25.8
12	28.6	27.4	28.1	29.8	29.1	29.5	28.5	27.6	28.0	26.1	25.1	25.5
13	27.8	26.5	27.3	30.1	28.9	29.3	27.7	26.9	27.4	25.6	24.9	25.2
14	27.7	26.5	27.2	30.8	29.0	29.7	27.2	26.4	26.8	25.0	24.4	24.7
15	28.3	26.7	27.5	30.6	29.5	30.0	26.7	26.0	26.4	25.4	24.3	24.6
16	28.4	27.1	27.7	30.6	29.1	29.9	26.9	25.8	26.2	25.3	24.2	24.7
17	27.8	27.0	27.5	30.2	28.7	29.4	26.7	25.4	26.0	25.8	24.4	25.1
18	28.7	26.8	27.7	29.2	28.2	28.8	26.9	25.1	25.8	25.4	24.2	24.6
19	29.6	27.7	28.5	30.1	28.1	29.0	27.0	25.1	25.9	24.4	23.1	23.8
20	29.0	28.0	28.5	30.6	28.6	29.4	27.2	25.1	26.0	23.6	22.2	23.0
21	28.8	27.4	28.0	30.4	28.8	29.5	27.1	25.1	26.0	---	---	---
22	29.4	27.6	28.3	30.7	29.1	29.6	26.7	25.1	25.7	---	---	---
23	29.6	28.0	28.7	30.2	29.0	29.4	26.6	25.2	25.7	---	---	---
24	29.5	28.3	28.8	30.2	29.0	29.5	26.8	25.3	26.0	24.4	22.9	23.5
25	29.4	28.4	28.9	30.3	28.8	29.3	27.5	25.5	26.3	---	---	---
26	29.0	28.2	28.6	30.0	28.7	29.4	27.2	26.0	26.6	23.8	23.3	23.6
27	28.6	27.8	28.2	30.0	29.0	29.5	27.4	26.4	26.8	24.6	23.3	23.9
28	29.0	27.6	28.3	29.7	28.7	29.2	27.8	26.6	27.1	25.2	24.2	24.6
29	29.9	27.6	28.4	29.2	28.1	28.8	27.5	26.9	27.2	25.3	24.1	24.7
30	28.8	28.1	28.5	29.8	28.4	29.0	27.7	26.5	27.0	25.4	24.4	24.9
31	---	---	---	29.8	28.7	29.2	27.9	26.9	27.3	---	---	---
MONTH	29.9	26.3	27.9	30.8	27.8	29.3	31.2	25.1	27.3	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	25.6	24.4	24.9	22.0	20.0	20.7	15.3	14.5	14.8	---	---	---
2	25.6	24.4	24.9	22.0	20.3	21.0	---	---	---	---	---	---
3	26.0	24.4	25.0	22.2	20.6	21.2	---	---	---	---	---	---
4	25.5	24.2	24.8	21.8	20.6	21.2	---	---	---	---	---	---
5	25.2	23.9	24.5	21.4	19.7	20.5	---	---	---	---	---	---
6	24.6	23.1	23.8	20.7	18.8	19.7	---	---	---	---	---	---
7	24.3	22.3	23.2	20.0	18.1	19.4	---	---	---	---	---	---
8	23.9	22.1	23.1	19.7	18.4	19.4	---	---	---	---	---	---
9	24.0	22.5	23.5	19.2	17.4	18.2	---	---	---	---	---	---
10	24.3	23.0	23.7	17.9	16.3	17.1	---	---	---	---	---	---
11	24.1	23.0	23.7	17.2	16.2	16.8	---	---	---	---	---	---
12	23.6	22.9	23.3	17.3	16.8	17.1	---	---	---	---	---	---
13	24.0	23.2	23.5	17.3	15.7	16.8	---	---	---	---	---	---
14	23.6	22.8	23.3	15.9	14.7	15.5	---	---	---	---	---	---
15	23.1	21.9	22.7	14.9	14.2	14.7	---	---	---	---	---	---
16	22.0	20.9	21.5	14.6	13.9	14.3	---	---	---	---	---	---
17	21.7	20.5	21.1	14.7	13.5	14.1	---	---	---	---	---	---
18	22.4	20.8	21.4	15.0	13.7	14.2	---	---	---	---	---	---
19	22.9	21.4	21.9	15.2	14.2	14.6	---	---	---	---	---	---
20	22.9	21.8	22.2	15.7	14.4	14.9	---	---	---	---	---	---
21	22.2	21.3	21.7	16.0	14.7	15.2	---	---	---	---	---	---
22	21.8	20.5	21.1	16.1	15.1	15.6	---	---	---	---	---	---
23	20.9	19.6	20.4	16.5	15.1	15.8	---	---	---	---	---	---
24	20.3	19.5	20.0	16.6	15.4	16.1	---	---	---	---	---	---
25	19.9	19.3	19.7	17.0	15.7	16.5	---	---	---	---	---	---
26	19.6	19.0	19.4	16.1	14.2	15.2	---	---	---	---	---	---
27	19.6	19.0	19.4	15.2	14.1	14.7	---	---	---	---	---	---
28	19.5	19.2	19.4	15.3	14.8	15.1	---	---	---	---	---	---
29	19.3	19.1	19.2	14.9	14.0	14.6	---	---	---	---	---	---
30	20.3	19.0	19.5	14.9	13.8	14.4	---	---	---	---	---	---
31	21.0	19.6	20.1	---	---	---	---	---	---	---	---	---
MONTH	26.0	19.0	22.1	22.2	13.5	16.8	---	---	---	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	14.7	13.1	14.0	9.9	7.9	8.9
2	---	---	---	---	---	---	14.0	12.8	13.4	10.0	8.3	9.2
3	---	---	---	---	---	---	13.5	12.0	12.8	10.2	8.6	9.5
4	---	---	---	---	---	---	12.8	11.3	12.2	11.1	9.6	10.4
5	---	---	---	---	---	---	12.3	11.6	12.0	13.0	10.5	11.6
6	---	---	---	---	---	---	12.0	11.2	11.7	13.6	11.1	12.1
7	---	---	---	---	---	---	11.6	10.6	11.2	11.9	9.9	10.8
8	---	---	---	21.0	19.0	20.0	11.2	10.4	10.9	10.8	9.4	10.2
9	---	---	---	19.9	17.7	18.7	11.3	10.4	10.9	10.3	9.3	9.8
10	---	---	---	18.5	16.9	17.6	12.4	10.7	11.4	9.7	8.2	8.9
11	---	---	---	18.1	17.1	17.6	12.0	11.2	11.5	8.6	6.7	7.6
12	---	---	---	18.6	17.7	18.0	11.5	10.4	11.0	7.8	6.6	7.5
13	---	---	---	18.1	17.5	17.9	11.3	10.0	10.7	8.1	7.3	7.7
14	---	---	---	17.9	15.9	16.9	11.3	9.7	10.5	8.2	7.5	7.9
15	---	---	---	17.4	15.5	16.6	10.7	8.9	9.7	8.5	7.8	8.1
16	---	---	---	16.8	15.9	16.5	10.2	8.6	9.4	8.5	7.5	8.0
17	---	---	---	17.2	16.4	16.8	10.2	8.8	9.5	8.3	7.3	7.9
18	---	---	---	17.4	16.7	17.0	10.2	8.4	9.1	10.3	7.8	8.7
19	---	---	---	18.1	17.1	17.5	9.7	7.8	8.6	9.5	8.5	9.1
20	---	---	---	17.6	16.5	17.1	9.1	7.2	8.0	8.9	7.7	8.3
21	---	---	---	17.4	16.3	16.9	8.6	6.7	7.5	8.2	7.5	7.9
22	---	---	---	17.2	16.4	16.8	8.2	6.8	7.4	8.2	7.5	7.9
23	---	---	---	17.3	16.4	16.8	8.2	6.7	7.4	8.2	7.4	7.8
24	---	---	---	17.4	16.2	16.8	8.8	7.0	8.0	8.2	7.1	7.7
25	---	---	---	17.3	16.0	16.5	9.0	7.4	8.1	8.2	6.8	7.4
26	---	---	---	16.7	15.4	16.1	8.9	7.2	7.9	7.6	6.2	6.9
27	---	---	---	16.7	15.6	16.2	9.0	7.1	7.9	7.6	6.3	6.7
28	---	---	---	17.2	15.8	16.5	8.9	7.2	8.0	7.2	6.0	6.5
29	---	---	---	16.8	13.3	15.2	9.0	7.5	8.2	6.7	5.6	6.4
30	---	---	---	15.5	12.8	14.4	9.1	8.0	8.6	7.1	6.1	6.6
31	---	---	---	---	---	---	9.7	7.8	8.8	---	---	---
MONTH	---	---	---	---	---	---	14.7	6.7	9.9	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	9.9	8.2	8.7	15.9	14.5	15.2	22.2	20.7	21.3
2	---	---	---	11.4	8.8	9.9	15.4	14.4	15.1	22.7	20.8	21.5
3	---	---	---	11.2	9.7	10.4	15.4	14.1	14.9	22.2	21.4	21.8
4	---	---	---	12.3	9.8	10.8	16.0	14.7	15.3	21.8	20.4	21.1
5	---	---	---	12.7	10.7	11.6	15.1	14.2	14.8	21.9	20.3	21.1
6	---	---	---	14.3	11.9	13.1	15.8	14.0	14.7	22.5	20.8	21.5
7	---	---	---	14.5	13.2	13.8	16.4	14.3	15.2	23.0	21.4	22.1
8	---	---	---	13.9	13.0	13.6	16.9	15.3	15.9	23.2	22.0	22.5
9	---	---	---	13.8	12.0	13.1	17.5	15.9	16.5	23.7	22.1	22.8
10	---	---	---	13.4	11.7	12.7	18.2	16.5	17.1	23.9	22.4	23.0
11	8.6	7.9	8.3	12.9	11.1	12.1	18.6	17.3	17.8	24.1	22.7	23.2
12	8.7	7.8	8.2	13.4	11.5	12.3	18.7	18.0	18.2	24.5	23.0	23.6
13	8.3	7.5	8.0	13.3	11.8	12.5	19.0	18.2	18.6	24.7	23.5	23.9
14	8.2	7.7	8.0	13.8	11.8	12.5	18.6	17.2	17.9	24.9	23.7	24.1
15	8.2	7.6	8.0	14.2	12.0	13.1	17.8	16.4	17.1	24.8	24.1	24.3
16	8.0	7.3	7.7	14.3	12.7	13.6	18.2	16.8	17.4	25.1	24.2	24.5
17	7.8	7.1	7.5	14.3	13.1	13.7	19.4	17.3	18.0	25.9	24.4	24.8
18	7.6	6.7	7.2	14.5	13.1	13.8	19.7	18.0	18.6	25.5	24.6	24.9
19	8.3	7.0	7.5	15.2	13.6	14.3	20.1	18.6	19.2	25.8	24.5	24.9
20	8.8	7.6	8.0	15.0	13.5	14.3	20.3	19.0	19.5	26.2	24.7	25.2
21	9.6	8.2	8.8	15.4	14.2	14.7	20.6	19.5	20.0	27.0	25.1	25.6
22	9.5	8.8	9.1	14.4	12.8	13.9	21.2	19.8	20.4	27.3	25.5	26.0
23	9.6	8.9	9.2	14.2	12.3	13.4	22.1	20.3	20.9	27.2	25.8	26.3
24	9.6	9.2	9.4	14.7	12.9	13.6	23.1	20.9	21.4	27.3	26.0	26.4
25	9.6	9.1	9.4	15.2	13.3	14.0	23.1	20.8	21.6	27.4	26.0	26.5
26	9.3	8.4	8.8	16.3	13.7	14.6	23.0	21.1	22.0	27.5	26.4	26.7
27	8.4	7.8	8.1	16.6	14.3	15.1	22.2	21.3	21.7	27.7	26.6	26.9
28	8.6	7.3	7.8	16.2	14.8	15.3	21.6	20.4	21.1	27.6	26.7	27.0
29	9.1	7.8	8.2	15.6	14.1	14.7	21.9	20.2	20.9	27.6	26.8	27.1
30	---	---	---	15.3	14.1	14.5	22.3	20.1	21.1	27.5	26.4	26.8
31	---	---	---	15.8	14.2	14.8	---	---	---	27.3	26.3	26.8
MONTH	---	---	---	16.6	8.2	13.2	23.1	14.0	18.3	27.7	20.3	24.3

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.9	26.3	26.9	29.0	27.8	28.3	29.7	28.5	29.1	27.5	26.7	27.1
2	27.9	26.5	27.1	28.6	28.0	28.3	29.8	28.8	29.2	27.1	26.2	26.7
3	27.9	26.6	27.2	28.5	27.8	28.2	29.4	28.3	29.0	27.0	25.9	26.4
4	27.6	26.5	27.1	28.8	27.7	28.2	30.0	28.6	29.1	26.6	25.8	26.2
5	27.8	26.4	27.0	29.6	28.1	28.6	30.4	28.8	29.5	26.7	25.4	26.1
6	27.7	26.6	27.1	30.0	28.6	29.1	29.6	28.1	28.9	26.6	25.5	26.0
7	27.8	26.7	27.2	30.4	29.1	29.5	28.4	26.7	27.6	26.4	25.3	25.9
8	28.1	26.9	27.4	30.2	29.5	29.7	28.3	27.1	27.6	26.4	25.4	25.8
9	28.4	27.4	27.8	29.9	29.1	29.6	28.2	27.4	27.7	26.6	25.8	26.1
10	28.6	27.6	28.0	30.5	29.4	29.8	28.4	27.4	27.7	26.6	25.8	26.2
11	28.7	27.7	28.1	30.3	29.6	30.0	28.3	27.6	27.9	26.4	25.3	25.9
12	28.6	27.7	28.2	30.0	29.3	29.7	28.4	27.6	27.9	26.2	25.1	25.7
13	27.9	26.5	27.3	29.9	29.2	29.5	27.8	27.1	27.4	25.9	25.0	25.5
14	27.6	26.6	27.2	30.1	29.2	29.6	27.2	26.2	26.9	25.3	24.6	24.9
15	28.1	26.8	27.4	30.4	29.5	29.8	26.7	26.0	26.3	25.6	24.4	24.8
16	28.4	27.2	27.7	30.3	29.1	29.8	26.6	25.8	26.1	25.6	24.3	24.9
17	27.8	27.2	27.5	29.9	29.0	29.4	26.7	25.4	26.0	25.9	24.5	25.2
18	28.7	27.0	27.6	29.2	28.2	28.8	26.6	25.0	25.8	25.8	24.3	24.9
19	29.1	27.7	28.1	30.0	28.1	28.9	26.6	25.0	25.8	25.0	23.4	24.1
20	28.7	27.8	28.3	30.2	28.5	29.1	26.7	25.1	26.0	24.6	22.5	23.5
21	28.5	27.4	28.0	30.0	28.8	29.2	26.8	25.1	26.0	---	---	---
22	29.2	27.8	28.2	30.2	29.0	29.5	26.5	25.1	25.7	---	---	---
23	29.4	28.1	28.5	29.8	29.1	29.4	26.7	25.1	25.8	24.0	23.0	23.5
24	29.1	28.2	28.6	29.9	29.1	29.4	26.6	25.3	26.0	24.4	23.1	23.7
25	29.2	28.3	28.7	29.7	28.6	29.2	26.9	25.5	26.2	---	---	---
26	29.0	28.3	28.5	29.8	28.9	29.3	27.0	26.0	26.6	24.1	23.5	23.8
27	28.6	28.0	28.2	29.7	29.1	29.4	27.5	26.5	26.8	24.9	23.5	24.0
28	28.6	27.7	28.2	29.7	28.7	29.2	27.9	26.7	27.0	25.3	24.4	24.7
29	28.7	27.8	28.3	29.1	28.1	28.6	27.5	26.9	27.2	25.4	24.3	24.8
30	28.9	28.1	28.4	29.7	28.2	28.8	27.7	26.3	26.9	25.3	24.5	25.0
31	---	---	---	29.8	28.4	29.1	27.8	26.9	27.2	---	---	---
MONTH	29.4	26.3	27.8	30.5	27.7	29.2	30.4	25.0	27.2	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	25.4	24.6	25.0	21.2	20.2	20.5	15.1	14.5	14.8	---	---	---
2	25.4	24.5	25.0	21.4	20.6	20.9	---	---	---	---	---	---
3	25.5	24.5	25.1	21.5	20.9	21.2	---	---	---	---	---	---
4	25.6	24.4	25.0	21.8	21.1	21.5	---	---	---	---	---	---
5	25.5	24.0	24.9	21.7	20.7	21.3	---	---	---	---	---	---
6	25.5	23.4	24.8	21.4	19.4	20.8	---	---	---	---	---	---
7	25.2	23.4	24.8	20.8	19.0	20.2	---	---	---	---	---	---
8	25.0	23.4	24.6	20.1	19.3	19.7	---	---	---	---	---	---
9	24.6	23.5	24.2	19.5	17.7	18.4	---	---	---	---	---	---
10	24.2	23.6	23.9	18.0	16.7	17.2	---	---	---	---	---	---
11	24.0	23.4	23.8	17.1	16.4	16.7	---	---	---	---	---	---
12	23.7	23.0	23.4	17.3	16.8	17.0	---	---	---	---	---	---
13	24.1	23.2	23.5	17.3	16.1	16.8	---	---	---	---	---	---
14	23.8	22.9	23.4	16.3	14.9	15.5	---	---	---	---	---	---
15	23.4	22.3	22.9	15.3	13.9	14.6	---	---	---	---	---	---
16	22.9	20.8	21.6	14.6	13.8	14.3	---	---	---	---	---	---
17	21.8	20.2	21.1	14.4	13.4	14.1	---	---	---	---	---	---
18	21.8	20.8	21.3	14.4	13.7	14.2	---	---	---	---	---	---
19	22.6	21.4	21.7	14.9	14.2	14.4	---	---	---	---	---	---
20	22.5	21.9	22.1	15.4	14.4	14.7	---	---	---	---	---	---
21	22.4	21.6	22.1	15.8	14.7	15.2	---	---	---	---	---	---
22	22.0	20.9	21.5	16.3	15.1	15.7	---	---	---	---	---	---
23	21.1	20.0	20.6	16.5	15.3	16.0	---	---	---	---	---	---
24	20.5	19.8	20.1	16.8	15.6	16.2	---	---	---	---	---	---
25	20.0	19.6	19.8	16.9	15.8	16.6	---	---	---	---	---	---
26	19.8	19.2	19.5	16.5	15.0	15.6	---	---	---	---	---	---
27	19.7	19.1	19.4	15.5	14.0	15.0	---	---	---	---	---	---
28	19.7	19.4	19.6	15.3	15.0	15.2	---	---	---	---	---	---
29	19.6	19.2	19.3	15.2	14.2	14.7	---	---	---	---	---	---
30	20.1	19.1	19.5	14.9	14.2	14.6	---	---	---	---	---	---
31	21.2	19.7	20.0	---	---	---	---	---	---	---	---	---
MONTH	25.6	19.1	22.4	21.8	13.4	17.0	---	---	---	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.5	5.7	6.4	6.2	4.6	5.1	6.2	4.8	5.4	5.2	4.1	4.6
2	7.1	5.5	6.3	6.0	4.7	5.2	6.5	4.7	5.4	5.2	3.9	4.6
3	7.0	5.3	6.0	6.5	4.3	5.2	6.5	4.8	5.5	5.4	4.4	4.9
4	6.4	5.1	5.8	6.7	4.5	5.4	7.0	4.6	5.3	5.3	4.2	4.7
5	---	---	---	7.5	5.2	6.1	6.9	4.4	5.4	5.4	4.2	4.7
6	---	---	---	8.5	5.3	6.4	6.7	4.7	5.5	5.6	4.4	5.0
7	---	---	---	8.8	5.5	6.6	7.6	4.7	5.7	6.1	4.6	5.2
8	---	---	---	7.2	5.1	6.0	7.8	4.4	5.7	6.6	5.5	6.1
9	8.4	5.3	6.4	6.7	4.7	5.5	8.4	4.6	5.8	6.8	5.4	6.1
10	8.3	5.5	6.7	6.7	4.4	5.3	8.4	4.6	5.9	5.6	4.1	4.9
11	8.2	5.4	6.7	6.6	4.5	5.4	8.5	4.9	5.8	5.5	4.4	4.8
12	8.1	5.4	6.4	5.8	4.6	5.2	6.4	4.7	5.5	5.8	4.6	5.1
13	8.0	5.2	6.5	6.3	4.9	5.4	6.0	4.5	5.1	5.8	4.4	5.0
14	8.6	5.8	7.0	7.4	5.1	6.0	6.2	4.5	5.2	5.3	4.1	4.7
15	8.1	6.2	7.0	8.3	5.3	6.6	5.7	4.5	5.0	5.0	3.9	4.4
16	7.5	5.7	6.5	9.0	5.5	6.8	5.3	4.4	4.8	4.4	3.4	3.8
17	7.2	5.7	6.3	8.0	5.0	6.1	5.2	4.4	4.7	5.5	3.5	4.6
18	7.8	5.7	6.6	7.1	5.0	5.9	5.3	4.5	4.8	6.0	4.7	5.4
19	8.6	6.2	7.1	8.0	4.8	6.0	5.5	4.5	4.9	6.4	4.7	5.6
20	8.5	6.2	7.0	9.3	5.0	6.4	5.5	4.4	4.9	6.8	5.1	6.1
21	8.9	5.7	7.1	8.1	5.0	6.2	5.7	4.3	4.9	---	---	---
22	9.3	6.0	7.3	8.2	4.4	5.9	5.9	4.2	4.7	---	---	---
23	10.1	5.7	7.3	8.3	4.5	5.8	5.4	4.2	4.7	---	---	---
24	9.8	5.6	7.2	6.7	4.4	5.4	5.6	4.2	4.8	6.4	5.1	5.7
25	8.4	5.7	7.2	6.9	3.9	5.1	5.5	3.7	4.7	---	---	---
26	8.4	5.3	6.4	6.6	4.0	5.1	5.2	4.0	4.6	6.6	5.5	6.0
27	7.7	5.6	6.3	6.4	4.3	5.2	5.1	4.0	4.6	6.5	5.7	6.1
28	7.3	5.6	6.3	5.9	4.5	5.1	4.9	3.8	4.5	6.8	6.1	6.4
29	6.8	5.3	6.0	5.6	4.7	5.1	5.7	3.9	4.9	---	---	---
30	6.4	4.8	5.4	5.6	4.5	5.0	6.2	5.2	5.8	---	---	---
31	---	---	---	5.7	4.6	5.2	6.2	4.4	5.1	---	---	---
MONTH	---	---	---	9.3	3.9	5.7	8.5	3.7	5.1	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, 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	---	---	---	7.0	5.9	6.3	---	---	---	---	---	---
2	---	---	---	6.9	5.7	6.3	---	---	---	---	---	---
3	---	---	---	6.7	5.8	6.3	---	---	---	---	---	---
4	---	---	---	6.8	6.1	6.5	---	---	---	---	---	---
5	---	---	---	7.2	6.2	6.7	---	---	---	---	---	---
6	---	---	---	7.0	6.1	6.6	---	---	---	---	---	---
7	6.4	5.3	5.8	7.0	6.2	6.5	---	---	---	---	---	---
8	6.6	5.5	6.0	7.1	6.0	6.5	---	---	---	---	---	---
9	6.4	5.6	6.0	7.9	6.3	7.1	---	---	---	---	---	---
10	6.1	5.3	5.8	8.1	7.0	7.6	---	---	---	---	---	---
11	6.1	5.2	5.7	8.0	7.2	7.6	---	---	---	---	---	---
12	6.1	5.2	5.7	8.0	7.2	7.6	---	---	---	---	---	---
13	6.2	5.2	5.7	8.2	7.2	7.7	---	---	---	---	---	---
14	6.2	5.3	5.8	8.8	7.8	8.2	---	---	---	---	---	---
15	6.4	5.4	5.9	8.7	7.8	8.2	---	---	---	---	---	---
16	6.7	5.5	6.1	8.4	7.6	8.0	---	---	---	---	---	---
17	6.7	5.5	6.1	8.0	7.4	7.7	---	---	---	---	---	---
18	6.6	5.4	6.0	7.8	7.2	7.5	---	---	---	---	---	---
19	6.9	5.6	6.2	7.6	7.1	7.4	---	---	---	---	---	---
20	6.6	5.5	6.1	---	---	---	---	---	---	---	---	---
21	6.6	5.8	6.2	---	---	---	---	---	---	---	---	---
22	6.9	6.0	6.4	---	---	---	---	---	---	---	---	---
23	6.9	6.3	6.6	---	---	---	---	---	---	---	---	---
24	6.7	6.3	6.5	---	---	---	---	---	---	---	---	---
25	6.6	6.1	6.4	---	---	---	---	---	---	---	---	---
26	6.8	6.1	6.4	---	---	---	---	---	---	---	---	---
27	6.7	6.1	6.4	---	---	---	---	---	---	---	---	---
28	6.7	6.0	6.3	---	---	---	---	---	---	---	---	---
29	6.6	6.0	6.3	---	---	---	---	---	---	---	---	---
30	6.6	5.8	6.2	---	---	---	---	---	---	---	---	---
31	6.9	6.1	6.4	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.5	5.8	6.3	6.7	4.8	5.4	6.2	4.2	5.5	---	---	---
2	7.0	5.6	6.0	6.4	4.6	5.6	6.3	4.2	5.4	---	---	---
3	6.6	5.1	5.7	6.6	4.7	5.8	6.8	5.0	5.8	---	---	---
4	6.3	5.1	5.6	7.1	4.8	6.2	6.2	4.8	5.5	---	---	---
5	6.4	5.1	5.6	8.5	4.8	6.7	6.2	4.4	5.3	---	---	---
6	6.3	5.0	5.6	---	---	---	6.6	4.9	5.5	---	---	---
7	6.2	5.1	5.6	---	---	---	7.1	5.0	5.7	---	---	---
8	6.5	4.7	5.5	7.0	5.4	6.1	6.8	4.6	5.5	---	---	---
9	6.8	4.8	5.7	6.7	5.2	5.9	7.2	4.5	5.5	---	---	---
10	---	---	---	7.3	4.8	5.9	6.9	4.4	5.5	---	---	---
11	---	---	---	6.6	4.7	5.8	7.0	4.6	5.4	---	---	---
12	---	---	---	6.4	4.8	5.7	6.4	4.9	5.5	---	---	---
13	---	---	---	7.2	5.2	6.1	6.2	4.9	5.4	---	---	---
14	---	---	---	7.1	4.5	5.8	6.2	4.7	5.4	5.3	4.2	4.8
15	---	---	---	7.5	4.9	5.7	5.6	4.6	5.1	5.2	4.0	4.5
16	7.5	5.9	6.4	7.6	5.1	6.0	5.1	4.5	4.7	4.7	3.5	4.0
17	6.6	5.6	6.0	7.0	5.2	5.9	5.0	4.4	4.6	6.0	3.6	4.7
18	7.5	5.5	6.0	6.4	4.8	5.6	5.0	4.3	4.6	5.9	4.9	5.4
19	7.3	5.4	6.0	7.3	4.9	5.6	5.2	4.4	4.7	6.3	4.8	5.5
20	6.7	5.1	5.8	7.7	5.2	5.9	5.4	4.5	4.8	6.7	5.2	5.9
21	7.3	5.0	5.7	6.7	4.9	5.7	5.3	4.4	4.8	---	---	---
22	8.1	5.0	6.0	6.8	4.6	5.5	5.5	4.1	4.6	---	---	---
23	8.9	5.5	6.6	6.8	4.6	5.4	5.1	4.3	4.6	5.7	5.0	5.4
24	7.3	5.0	5.9	6.0	4.3	5.0	5.2	4.1	4.6	6.1	5.1	5.5
25	7.0	4.9	5.7	5.5	3.8	4.5	5.2	3.7	4.4	---	---	---
26	6.5	5.0	5.6	5.6	3.8	4.4	5.1	3.7	4.5	6.3	5.4	5.9
27	5.7	4.7	5.1	5.6	3.9	4.8	4.9	3.5	4.3	6.3	5.6	6.0
28	---	---	---	5.6	4.4	5.0	---	---	---	6.6	6.0	6.2
29	---	---	---	5.4	3.0	4.6	---	---	---	6.8	5.7	6.2
30	---	---	---	5.5	2.9	4.6	---	---	---	6.5	5.5	6.0
31	---	---	---	6.0	3.6	5.3	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.1	5.3	5.8	7.0	6.4	6.7	---	---	---	---	---	---
2	6.0	5.2	5.6	---	---	---	---	---	---	---	---	---
3	5.9	5.2	5.5	---	---	---	---	---	---	---	---	---
4	6.0	5.3	5.6	---	---	---	---	---	---	---	---	---
5	5.9	5.2	5.5	---	---	---	---	---	---	---	---	---
6	6.0	4.7	5.4	---	---	---	---	---	---	---	---	---
7	6.1	4.7	5.1	---	---	---	---	---	---	---	---	---
8	6.4	4.9	5.2	---	---	---	---	---	---	---	---	---
9	6.0	4.9	5.3	---	---	---	---	---	---	---	---	---
10	5.6	5.0	5.3	8.1	7.2	7.8	---	---	---	---	---	---
11	6.1	5.1	5.5	8.0	7.4	7.8	---	---	---	---	---	---
12	5.9	5.1	5.5	7.7	7.3	7.5	---	---	---	---	---	---
13	5.9	5.0	5.5	7.8	7.1	7.5	---	---	---	---	---	---
14	5.9	5.1	5.5	8.1	7.5	7.9	---	---	---	---	---	---
15	5.9	5.0	5.5	8.2	7.7	8.0	---	---	---	---	---	---
16	6.2	5.1	5.6	8.1	7.6	7.9	---	---	---	---	---	---
17	5.9	5.1	5.6	7.9	7.4	7.7	---	---	---	---	---	---
18	5.8	5.0	5.5	7.7	7.3	7.5	---	---	---	---	---	---
19	5.9	5.1	5.5	7.6	7.2	7.4	---	---	---	---	---	---
20	6.1	5.2	5.7	---	---	---	---	---	---	---	---	---
21	6.0	5.4	5.8	---	---	---	---	---	---	---	---	---
22	6.3	5.5	5.9	---	---	---	---	---	---	---	---	---
23	6.6	5.8	6.2	---	---	---	---	---	---	---	---	---
24	6.6	6.1	6.4	---	---	---	---	---	---	---	---	---
25	6.5	6.1	6.4	---	---	---	---	---	---	---	---	---
26	6.7	6.0	6.4	---	---	---	---	---	---	---	---	---
27	6.7	6.1	6.4	---	---	---	---	---	---	---	---	---
28	6.6	6.0	6.3	---	---	---	---	---	---	---	---	---
29	6.6	5.9	6.4	---	---	---	---	---	---	---	---	---
30	6.7	6.0	6.4	---	---	---	---	---	---	---	---	---
31	7.2	6.3	6.7	---	---	---	---	---	---	---	---	---
MONTH	7.2	4.7	5.8	---	---	---	---	---	---	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	73	66	70	83	77	81
2	---	---	---	---	---	---	74	67	70	83	76	80
3	---	---	---	---	---	---	73	65	71	86	76	81
4	---	---	---	---	---	---	75	69	72	89	78	84
5	---	---	---	---	---	---	74	70	71	90	81	87
6	---	---	---	---	---	---	75	68	71	90	81	86
7	---	---	---	---	---	---	75	69	72	88	79	84
8	---	---	---	72	56	64	74	68	71	86	74	80
9	---	---	---	79	62	71	73	68	70	78	73	76
10	---	---	---	79	66	74	76	68	72	81	75	78
11	---	---	---	76	66	71	78	72	75	82	77	79
12	---	---	---	74	63	69	76	71	74	83	77	80
13	---	---	---	80	71	75	79	71	75	82	78	80
14	---	---	---	80	69	74	82	75	78	83	78	80
15	---	---	---	76	67	72	81	74	78	85	78	81
16	---	---	---	75	64	69	79	74	76	83	79	81
17	---	---	---	72	65	69	81	74	77	83	79	81
18	---	---	---	72	65	69	78	74	76	85	78	82
19	---	---	---	81	68	76	78	74	76	84	79	82
20	---	---	---	81	73	76	79	73	76	83	79	81
21	---	---	---	76	69	73	79	74	77	83	78	80
22	---	---	---	75	67	71	79	73	76	82	77	80
23	---	---	---	72	65	68	80	74	77	83	78	81
24	---	---	---	70	61	65	81	74	78	85	79	82
25	---	---	---	71	62	66	84	76	80	85	79	83
26	---	---	---	71	63	66	83	75	79	84	79	82
27	---	---	---	68	62	64	81	75	78	85	79	82
28	---	---	---	71	61	66	83	75	78	89	80	84
29	---	---	---	75	67	71	82	75	79	88	83	86
30	---	---	---	74	67	70	86	75	81	88	83	86
31	---	---	---	---	---	---	84	77	81	87	83	85
MONTH	---	---	---	---	---	---	86	65	75	90	73	82
		FEBRUARY			MARCH			APRIL			MAY	
1	87	82	85	---	---	---	---	---	---	---	---	---
2	90	82	86	---	---	---	80	73	76	---	---	---
3	90	83	88	---	---	---	82	71	76	---	---	---
4	90	84	88	---	---	---	82	73	76	---	---	---
5	90	85	88	---	---	---	82	74	77	---	---	---
6	92	85	89	---	---	---	84	74	78	---	---	---
7	95	87	92	---	---	---	87	74	80	73	61	67
8	97	89	93	---	---	---	88	76	81	75	61	66
9	95	88	92	---	---	---	95	75	82	73	61	66
10	97	88	93	---	---	---	94	75	83	76	61	68
11	97	88	92	---	---	---	93	74	82	77	63	69
12	---	---	---	87	80	83	87	73	80	76	62	69
13	---	---	---	86	79	82	84	72	79	86	64	73
14	---	---	---	86	79	82	85	67	79	84	67	75
15	---	---	---	86	79	82	85	73	79	84	68	76
16	---	---	---	85	80	82	85	72	77	82	68	75
17	---	---	---	82	79	81	85	72	76	83	67	75
18	---	---	---	85	77	80	---	---	---	81	69	74
19	---	---	---	85	80	82	---	---	---	80	65	72
20	---	---	---	86	80	82	---	---	---	78	63	70
21	---	---	---	87	81	83	---	---	---	84	64	74
22	---	---	---	90	82	85	---	---	---	87	74	79
23	---	---	---	90	81	85	---	---	---	91	77	84
24	---	---	---	---	---	---	---	---	---	96	79	87
25	---	---	---	---	---	---	---	---	---	99	82	87
26	---	---	---	---	---	---	---	---	---	103	75	85
27	---	---	---	---	---	---	---	---	---	99	73	84
28	---	---	---	---	---	---	---	---	---	101	76	85
29	---	---	---	---	---	---	---	---	---	95	67	79
30	---	---	---	---	---	---	---	---	---	85	71	77
31	---	---	---	---	---	---	---	---	---	90	63	78
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	96	72	80	81	59	66	82	63	71	66	52	58
2	91	70	79	78	61	67	87	61	71	66	49	57
3	88	68	76	85	55	67	86	63	72	68	55	61
4	80	64	73	88	58	70	95	60	70	67	52	58
5	---	---	---	99	67	79	92	58	71	67	51	59
6	---	---	---	113	69	84	87	61	72	69	54	62
7	---	---	---	118	72	87	98	60	73	75	56	64
8	---	---	---	96	67	80	101	56	73	82	67	75
9	109	67	82	89	62	73	109	59	75	84	67	76
10	107	70	86	90	58	70	110	59	76	70	51	61
11	107	69	86	88	59	71	111	63	75	67	54	60
12	104	69	82	76	61	68	83	60	71	71	56	62
13	102	66	83	84	64	71	77	57	65	71	54	61
14	110	73	88	100	68	79	78	57	65	64	50	57
15	104	78	88	111	70	87	71	56	63	60	47	53
16	97	73	83	121	73	89	66	55	60	54	41	46
17	92	72	80	106	66	80	65	54	59	68	42	56
18	101	72	85	93	65	77	67	55	59	72	56	65
19	113	79	92	106	62	78	69	55	60	76	56	67
20	110	80	90	125	65	85	69	54	60	80	60	72
21	115	73	91	108	65	81	72	52	60	---	---	---
22	122	77	94	110	58	77	74	51	57	---	---	---
23	133	74	94	110	59	76	68	51	58	---	---	---
24	129	72	94	89	58	71	70	51	60	76	60	67
25	110	74	93	92	51	67	69	46	58	---	---	---
26	109	69	83	87	52	67	65	50	58	78	65	71
27	99	72	82	85	57	69	64	50	57	78	67	73
28	95	72	81	78	59	67	62	48	56	82	73	78
29	88	69	77	73	61	66	72	49	62	---	---	---
30	83	62	70	73	59	65	78	66	73	---	---	---
31	---	---	---	75	60	68	79	56	65	---	---	---
MONTH	---	---	---	125	51	74	111	46	65	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	80	65	71	---	---	---	---	---	---
2	---	---	---	79	63	71	---	---	---	---	---	---
3	---	---	---	77	65	71	---	---	---	---	---	---
4	---	---	---	78	68	74	---	---	---	---	---	---
5	---	---	---	81	69	74	---	---	---	---	---	---
6	---	---	---	76	67	72	---	---	---	---	---	---
7	76	63	68	77	68	71	---	---	---	---	---	---
8	78	65	70	77	66	71	---	---	---	---	---	---
9	76	66	71	83	68	76	---	---	---	---	---	---
10	73	63	69	84	74	79	---	---	---	---	---	---
11	72	62	67	82	75	79	---	---	---	---	---	---
12	72	61	67	83	75	79	---	---	---	---	---	---
13	74	61	68	83	75	79	---	---	---	---	---	---
14	73	62	68	88	79	82	---	---	---	---	---	---
15	74	63	69	85	77	81	---	---	---	---	---	---
16	76	63	69	82	75	78	---	---	---	---	---	---
17	76	62	69	79	72	75	---	---	---	---	---	---
18	76	61	68	78	71	74	---	---	---	---	---	---
19	80	64	71	76	70	73	---	---	---	---	---	---
20	77	63	71	---	---	---	---	---	---	---	---	---
21	75	66	71	---	---	---	---	---	---	---	---	---
22	77	68	73	---	---	---	---	---	---	---	---	---
23	77	70	74	---	---	---	---	---	---	---	---	---
24	74	69	72	---	---	---	---	---	---	---	---	---
25	72	67	70	---	---	---	---	---	---	---	---	---
26	74	66	70	---	---	---	---	---	---	---	---	---
27	73	66	70	---	---	---	---	---	---	---	---	---
28	73	65	69	---	---	---	---	---	---	---	---	---
29	72	65	68	---	---	---	---	---	---	---	---	---
30	73	63	68	---	---	---	---	---	---	---	---	---
31	77	67	71	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	96	73	79	87	62	69	82	55	72	---	---	---
2	90	71	76	83	59	73	83	55	71	---	---	---
3	84	65	72	85	60	75	89	65	76	---	---	---
4	80	64	71	92	62	79	81	62	72	---	---	---
5	81	64	70	112	62	86	83	57	70	---	---	---
6	80	63	71	---	---	---	86	64	72	---	---	---
7	79	64	70	---	---	---	91	64	72	---	---	---
8	83	60	70	93	71	81	87	59	70	---	---	---
9	88	61	73	89	68	77	92	57	70	---	---	---
10	---	---	---	98	63	78	89	56	70	---	---	---
11	---	---	---	88	62	77	90	59	69	---	---	---
12	---	---	---	85	64	76	82	63	70	---	---	---
13	---	---	---	95	69	80	79	62	69	---	---	---
14	---	---	---	93	59	76	77	59	68	64	51	58
15	---	---	---	100	65	76	70	57	63	63	48	55
16	97	75	82	101	67	80	63	56	58	57	42	49
17	84	71	76	93	68	78	62	54	57	74	43	57
18	97	70	77	84	63	73	62	52	56	71	59	65
19	95	69	77	97	63	73	65	54	58	75	57	66
20	87	66	75	103	67	77	68	55	59	79	61	70
21	94	64	73	89	64	75	66	54	60	---	---	---
22	106	64	77	91	60	73	68	50	56	---	---	---
23	117	71	85	90	60	71	63	52	57	68	59	64
24	95	65	76	79	56	65	65	50	57	73	60	66
25	92	63	75	73	50	59	65	46	55	---	---	---
26	84	65	73	74	50	58	64	46	57	75	64	70
27	74	60	65	74	51	63	62	44	54	75	67	72
28	---	---	---	73	58	65	---	---	---	80	72	75
29	---	---	---	70	39	60	---	---	---	82	68	75
30	---	---	---	72	37	60	---	---	---	79	67	73
31	---	---	---	79	47	69	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	75	64	71	79	71	75	---	---	---	---	---	---
2	73	63	68	---	---	---	---	---	---	---	---	---
3	72	63	67	---	---	---	---	---	---	---	---	---
4	72	64	68	---	---	---	---	---	---	---	---	---
5	72	63	67	---	---	---	---	---	---	---	---	---
6	72	57	65	---	---	---	---	---	---	---	---	---
7	72	57	62	---	---	---	---	---	---	---	---	---
8	75	59	62	---	---	---	---	---	---	---	---	---
9	71	59	63	---	---	---	---	---	---	---	---	---
10	67	60	63	84	76	81	---	---	---	---	---	---
11	73	60	65	83	77	80	---	---	---	---	---	---
12	70	60	65	80	76	78	---	---	---	---	---	---
13	70	59	64	80	74	78	---	---	---	---	---	---
14	69	60	65	81	76	79	---	---	---	---	---	---
15	68	59	64	81	76	79	---	---	---	---	---	---
16	70	58	64	79	75	77	---	---	---	---	---	---
17	66	58	63	76	72	75	---	---	---	---	---	---
18	66	56	62	75	71	73	---	---	---	---	---	---
19	68	58	63	75	70	73	---	---	---	---	---	---
20	70	60	65	---	---	---	---	---	---	---	---	---
21	69	62	67	---	---	---	---	---	---	---	---	---
22	71	63	67	---	---	---	---	---	---	---	---	---
23	74	65	69	---	---	---	---	---	---	---	---	---
24	73	67	70	---	---	---	---	---	---	---	---	---
25	72	67	70	---	---	---	---	---	---	---	---	---
26	74	66	70	---	---	---	---	---	---	---	---	---
27	73	66	70	---	---	---	---	---	---	---	---	---
28	72	66	69	---	---	---	---	---	---	---	---	---
29	72	64	69	---	---	---	---	---	---	---	---	---
30	74	65	70	---	---	---	---	---	---	---	---	---
31	81	69	73	---	---	---	---	---	---	---	---	---
MONTH	81	56	66	---	---	---	---	---	---	---	---	---