

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 mi².

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 good except those below 150 ft³/s, which are poor. Maximum discharge for period of record from rating curve extended above 3,000 ft³/s by logarithmic plotting. Low flows affected by tide. Minimum discharge for current water year also occurred Sept. 11.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	34	159	76	121	228	115	26	41	95	276	20
2	105	28	130	69	103	170	268	25	64	64	132	18
3	91	33	109	65	95	134	349	22	78	284	84	15
4	80	33	92	58	120	109	219	23	72	171	64	16
5	70	37	81	53	114	97	150	22	68	133	47	18
6	59	29	75	51	104	90	121	283	74	89	34	22
7	52	26	74	52	92	82	105	540	175	63	28	25
8	50	27	69	47	85	80	163	355	99	53	26	25
9	47	25	65	44	82	75	173	223	136	39	31	27
10	40	27	80	42	90	68	148	154	453	35	36	17
11	40	25	94	45	77	64	122	110	240	31	109	18
12	43	37	74	43	68	69	99	89	124	28	45	24
13	109	310	69	41	63	58	90	121	80	28	31	37
14	175	188	59	142	57	52	141	101	60	55	25	100
15	130	126	49	198	56	48	142	87	49	119	21	381
16	150	100	45	133	54	47	105	72	39	80	20	224
17	99	83	45	144	55	93	91	101	33	48	21	133
18	80	72	45	112	50	117	80	81	33	37	24	90
19	73	68	45	97	46	100	64	74	31	28	25	113
20	71	62	44	93	44	110	52	65	28	32	27	73
21	61	52	41	87	44	102	45	123	28	56	28	48
22	63	52	40	83	50	84	41	106	25	37	28	37
23	62	91	50	82	48	122	40	92	23	61	28	30
24	62	152	79	71	134	121	34	77	22	42	27	29
25	69	137	59	70	165	97	30	89	24	32	26	29
26	70	118	116	72	125	88	29	84	50	27	26	33
27	63	94	179	66	111	82	29	72	72	24	26	36
28	53	325	128	54	217	235	27	59	42	20	25	32
29	49	307	111	52	---	310	25	44	165	34	28	27
30	43	209	96	120	---	187	25	37	238	29	32	23
31	41	---	84	148	---	135	---	38	---	106	31	---
TOTAL	2,291	2,907	2,486	2,510	2,470	3,454	3,122	3,395	2,666	1,980	1,411	1,720
MEAN	73.9	96.9	80.2	81.0	88.2	111	104	110	88.9	63.9	45.5	57.3
MAX	175	325	179	198	217	310	349	540	453	284	276	381
MIN	40	25	40	41	44	47	25	22	22	20	20	15
CFSM	0.79	1.03	0.85	0.86	0.94	1.19	1.11	1.17	0.95	0.68	0.48	0.61
IN.	0.91	1.15	0.98	0.99	0.98	1.37	1.24	1.34	1.06	0.78	0.56	0.68

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2005,[@] BY WATER YEAR (WY)

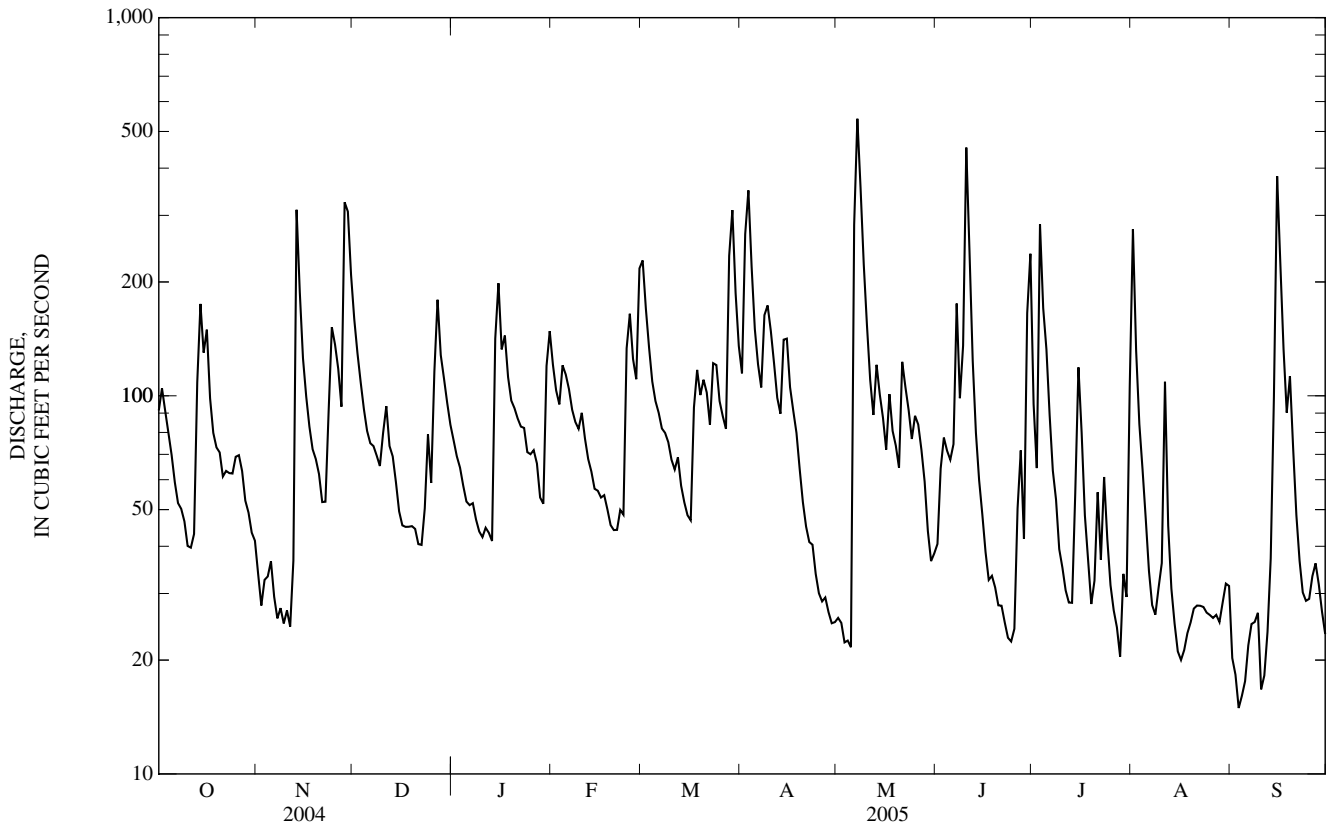
	84.0	65.4	93.2	149	173	179	116	73.1	94.9	118	113	123
MEAN	84.0	65.4	93.2	149	173	179	116	73.1	94.9	118	113	123
MAX	553	190	277	374	584	418	377	188	423	717	734	1,110
(WY)	(1972)	(1970)	(1958)	(1993)	(1998)	(1959)	(1973)	(1969)	(1961)	(1962)	(1955)	(1999)
MIN	2.01	4.30	13.3	32.4	33.1	27.7	21.0	16.4	11.3	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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1949 - 2005 [@]	
ANNUAL TOTAL	46,882		30,412		115	
ANNUAL MEAN	128		83.3		208	
HIGHEST ANNUAL MEAN					52.6	1972
LOWEST ANNUAL MEAN					202	2002
HIGHEST DAILY MEAN	2,110	Aug 16	540	May 7	10,100	Sep 16, 1999
LOWEST DAILY MEAN	19	May 29	15	Sep 3	1.3	Aug 18, 2002
ANNUAL SEVEN-DAY MINIMUM	21	Jul 16	19	Sep 1	2.0	Oct 4, 1954
MAXIMUM PEAK FLOW			581	May 7	15,000*	Sep 16, 1999
MAXIMUM PEAK STAGE			8.28	May 7	25.12	Sep 16, 1999
INSTANTANEOUS LOW FLOW			11*	Sep 10	0.62*	Aug 19, 2002
ANNUAL RUNOFF (CFSM)	1.36		0.886		1.23	
ANNUAL RUNOFF (INCHES)	18.55		12.04		16.66	
10 PERCENT EXCEEDS	258		153		247	
50 PERCENT EXCEEDS	78		65		55	
90 PERCENT EXCEEDS	32		26		13	

[@] See PERIOD OF RECORD.

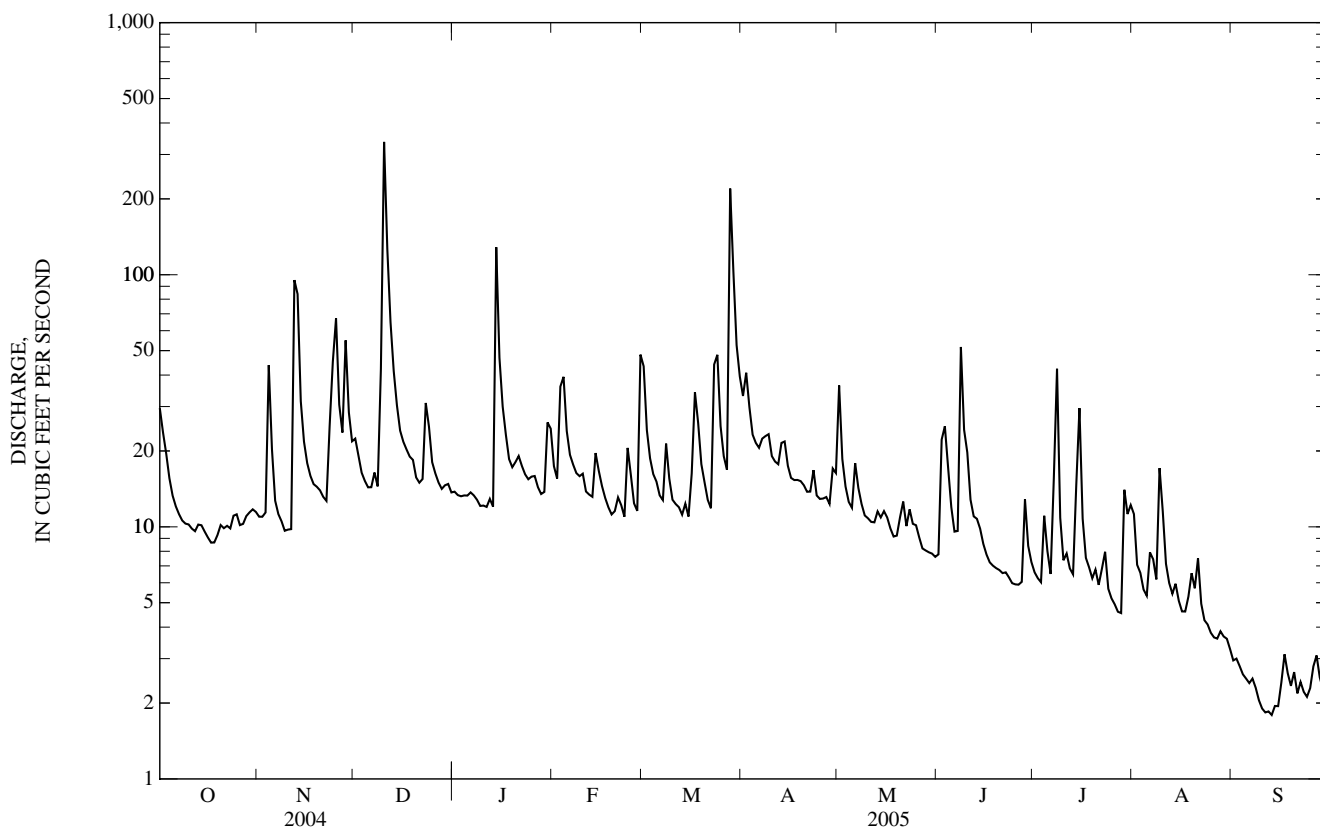
* See REMARKS.



02093800 REEDY FORK NEAR OAK RIDGE, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1956 - 2005	
ANNUAL TOTAL	7,561.5		6,211.1		23.8	
ANNUAL MEAN	20.7		17.0		44.8	
HIGHEST ANNUAL MEAN					8.39	2003
LOWEST ANNUAL MEAN					0.61	2002
HIGHEST DAILY MEAN	566	Sep 28	337	Dec 10	1,250	Jul 28, 1984
LOWEST DAILY MEAN	4.2	Aug 11	1.8	Sep 11	0.70	Aug 14, 2002
ANNUAL SEVEN-DAY MINIMUM	4.7	Aug 5	1.9	Sep 9	0.50*	Aug 9, 2002
MAXIMUM PEAK FLOW			572	Dec 10	3,950*	Oct 10, 1959
MAXIMUM PEAK STAGE			9.12	Dec 10	12.41	Sep 22, 1979
INSTANTANEOUS LOW FLOW			0.97	Sep 21	0.50*	Aug 13, 2002
ANNUAL RUNOFF (CFSM)	1.00		0.826		1.16	
ANNUAL RUNOFF (INCHES)	13.65		11.22		15.72	
10 PERCENT EXCEEDS	30		30		38	
50 PERCENT EXCEEDS	14		12		14	
90 PERCENT EXCEEDS	6.4		3.9		6.7	

* See REMARKS.
e Estimated.



PRECIPITATION RECORDS

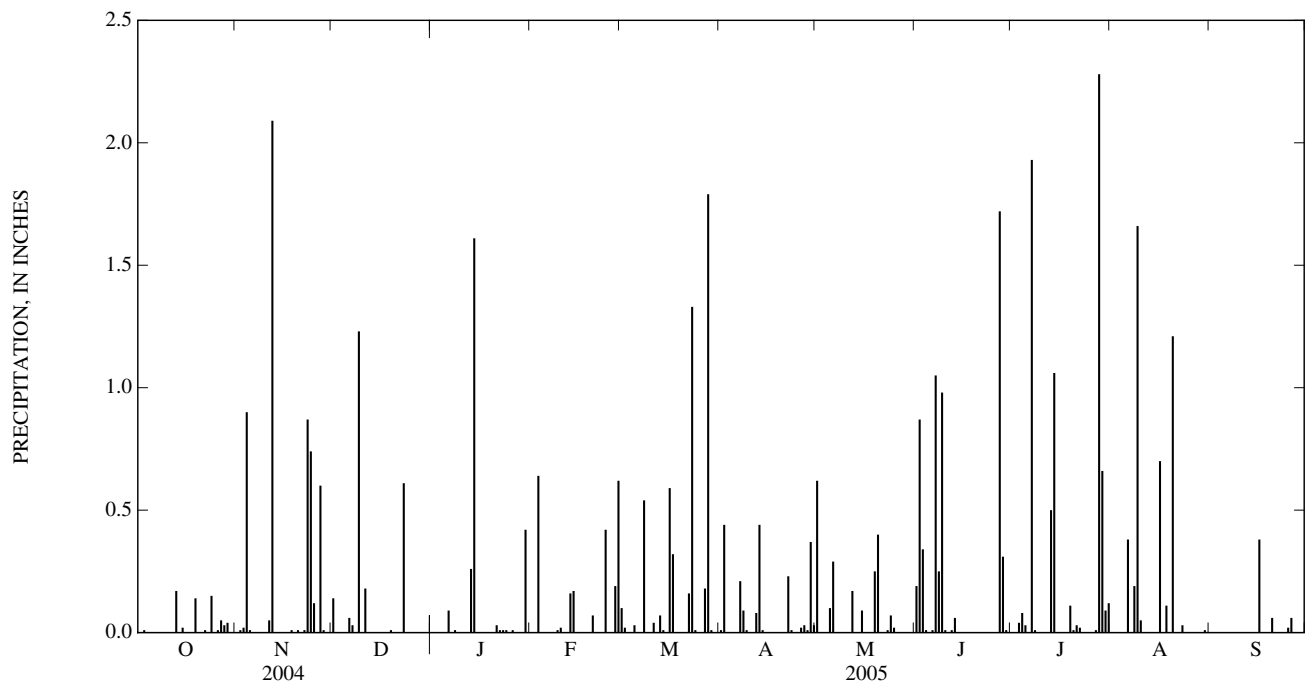
PERIOD OF RECORD.--November 1999 to current year. Records for November 1999 to September 2000 are unpublished and available at the USGS Water Science Center in Raleigh, NC.

GAGE.--Tipping-bucket raingage. 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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.14	0.00	0.00	0.10	0.01	0.62	0.19	0.00	0.00	0.00
2	0.00	0.01	0.00	0.00	0.00	0.02	0.44	0.00	0.87	0.00	0.00	0.00
3	0.01	0.02	0.00	0.00	0.64	0.00	0.00	0.00	0.34	0.04	0.00	0.00
4	0.00	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.08	0.00	0.00
5	0.00	0.01	0.00	0.00	0.00	0.03	0.00	0.10	0.00	0.03	0.00	0.00
6	0.00	0.00	0.06	0.09	0.00	0.00	0.00	0.29	0.01	0.00	0.38	0.00
7	0.00	0.00	0.03	0.00	0.00	0.00	0.21	0.00	1.05	1.93	0.00	0.00
8	0.00	0.00	0.00	0.01	0.00	0.54	0.09	0.00	0.25	0.01	0.19	0.00
9	0.00	0.00	1.23	0.00	0.01	0.00	0.01	0.00	0.98	0.00	1.66	0.00
10	0.00	0.00	---	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.05	0.00
11	0.00	0.05	0.18	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	2.09	0.00	0.00	0.00	0.00	0.08	0.17	0.01	0.00	0.00	0.00
13	0.17	0.00	0.00	0.26	0.16	0.07	0.44	0.00	0.06	0.50	0.00	0.00
14	0.00	0.00	0.00	1.61	0.17	0.01	0.01	0.00	0.00	1.06	0.00	0.00
15	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.00	0.70	0.38
17	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00
19	0.14	0.00	0.01	0.00	0.00	0.00	0.00	0.25	0.00	0.11	0.00	0.00
20	0.00	0.01	0.00	0.00	0.07	0.00	0.00	0.40	0.00	0.01	1.21	0.06
21	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00
22	0.01	0.01	0.00	0.01	0.00	0.16	0.23	0.00	0.00	0.02	0.00	0.00
23	0.00	0.87	0.61	0.01	0.00	1.33	0.01	0.01	0.00	0.00	0.03	0.00
24	0.15	0.74	0.00	0.01	0.42	0.01	0.00	0.07	0.00	0.00	0.00	0.00
25	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.02
26	0.01	0.00	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.06
27	0.05	0.60	0.00	0.00	0.19	0.18	0.03	0.00	1.72	0.01	0.00	0.00
28	0.03	0.01	0.00	0.00	0.62	1.79	0.01	0.00	0.31	2.28	0.00	0.00
29	0.04	0.00	0.00	0.00	---	0.01	0.37	0.00	0.01	0.66	0.00	0.00
30	0.00	0.00	0.00	0.42	---	0.00	0.03	0.00	0.00	0.09	0.01	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.12	0.00	---
TOTAL	0.63	5.45	---	2.46	2.30	5.20	1.99	2.02	5.82	6.98	4.34	0.52



02093877 BRUSH CREEK AT MUIRFIELD ROAD NEAR GREENSBORO, NC

LOCATION.--Lat 36°27'41", long 79°55'26", Guilford County, Hydrologic Unit 03030002, on right bank on downstream side of culvert on Muirfield Road and 1.8 mi upstream from Lake Higgins.

DRAINAGE AREA.--7.42 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 2004 to September 2005.

GAGE.--Water-stage recorder. Elevation of gage is 790 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor. Minimum discharge for 2004 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	---	---	---	---	---	---	4.3	3.0	2.0	1.5	2.5	e1.9
2	---	---	---	---	---	---	3.3	7.0	1.8	2.1	4.5	e2.0
3	---	---	---	---	---	---	3.2	16	1.7	1.9	7.2	1.8
4	---	---	---	---	---	---	3.2	4.8	13	1.9	2.6	1.8
5	---	---	---	---	---	---	3.0	3.3	3.6	1.6	2.1	1.8
6	---	---	---	---	---	---	2.9	3.1	2.0	1.3	2.0	2.8
7	---	---	---	---	---	---	3.0	2.8	1.8	1.2	1.9	5.0
8	---	---	---	---	---	---	3.0	2.6	3.4	1.2	1.8	154
9	---	---	---	---	---	---	2.9	3.0	2.9	1.2	1.7	15
10	---	---	---	---	---	---	2.9	3.2	1.8	1.9	1.7	4.5
11	---	---	---	---	---	---	3.1	2.5	1.7	2.9	1.6	3.2
12	---	---	---	---	---	---	44	2.5	1.7	1.2	3.8	2.5
13	---	---	---	---	---	---	36	3.3	1.7	1.2	5.0	2.4
14	---	---	---	---	---	---	15	3.3	1.7	1.6	24	2.3
15	---	---	---	---	---	---	7.9	2.3	2.0	1.2	5.3	2.3
16	---	---	---	---	---	---	5.8	3.0	2.8	1.1	e3.5	2.3
17	---	---	---	---	---	---	4.9	2.6	1.8	39	e2.8	40
18	---	---	---	---	---	---	4.3	2.6	1.6	104	e3.0	17
19	---	---	---	---	---	---	4.0	4.0	3.9	4.6	e2.5	5.3
20	---	---	---	---	---	---	3.8	3.8	e3.1	3.6	e2.1	3.5
21	---	---	---	---	---	---	3.6	2.5	e1.7	2.5	e2.0	3.0
22	---	---	---	---	---	---	3.3	4.9	1.5	2.4	e1.9	2.7
23	---	---	---	---	---	---	3.8	2.6	1.9	2.4	e1.8	2.4
24	---	---	---	---	---	---	2.8	2.3	2.2	2.1	e1.7	2.3
25	---	---	---	---	---	---	2.9	2.1	1.7	2.0	e1.6	2.2
26	---	---	---	---	---	---	7.8	2.0	4.9	2.1	e1.5	2.1
27	---	---	---	---	---	---	5.1	2.3	2.4	9.1	e1.5	9.3
28	---	---	---	---	---	---	3.1	2.0	2.4	17	e1.4	211
29	---	---	---	---	---	---	2.9	1.9	1.8	26	e1.6	14
30	---	---	---	---	---	---	2.8	4.0	1.5	7.5	e2.8	6.0
31	---	---	---	---	---	---	---	2.4	---	3.2	e2.1	---
MEAN	---	---	---	---	---	---	6.62	3.47	2.60	8.15	3.27	17.5

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

MEAN	---	---	---	---	---	---	6.62	3.47	2.60	8.15	3.27	17.5
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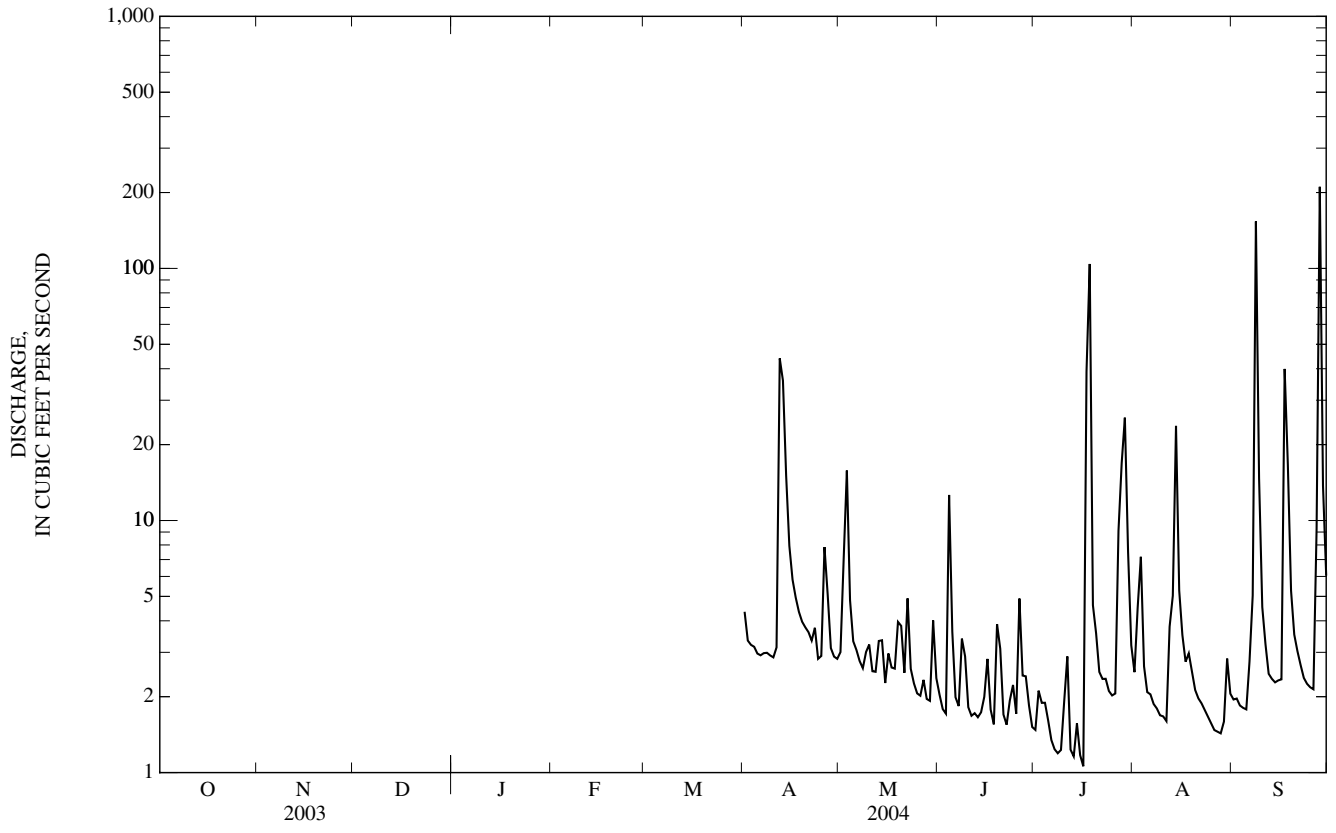
SUMMARY STATISTICS

FOR 2004 WATER YEAR

MAXIMUM PEAK STAGE	8.93	Jul 18
MAXIMUM PEAK FLOW	NOT DETERMINED	
INSTANTANEOUS LOW FLOW	0.98*	Jul 16
10 PERCENT EXCEEDS	8.6	
50 PERCENT EXCEEDS	2.6	
90 PERCENT EXCEEDS	1.6	

* See REMARKS.

e Estimated.



02093877 BRUSH CREEK AT MUIRFIELD ROAD NEAR GREENSBORO, NC—Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	2.5	5.7	3.6	4.0	11	6.5	11	2.0	1.9	4.4	0.85
2	3.6	2.6	3.6	3.5	3.6	5.8	15	3.7	12	1.9	3.0	0.83
3	3.4	3.0	3.1	3.4	20	4.4	6.7	2.8	24	1.8	2.3	0.85
4	2.9	28	2.8	3.4	11	3.7	5.0	2.6	6.1	3.9	1.8	0.83
5	2.7	6.1	2.6	3.4	6.1	3.6	4.5	2.6	3.4	3.6	1.6	0.77
6	2.6	3.4	2.8	3.5	4.9	3.2	4.2	7.1	2.8	2.0	1.6	0.68
7	2.5	2.9	4.3	3.3	4.4	3.2	8.9	3.1	2.6	15	1.6	0.71
8	2.8	2.7	2.7	3.0	4.0	8.6	13	2.9	8.3	13	1.5	0.70
9	2.5	2.8	15	2.9	4.0	4.2	17	2.8	8.9	3.4	7.9	0.69
10	2.5	2.9	145	2.9	6.6	3.2	6.0	2.0	7.8	2.4	2.7	0.90
11	2.3	2.9	22	2.9	3.8	3.0	5.0	2.4	2.9	2.1	1.8	0.90
12	2.3	57	9.6	3.0	3.5	3.1	4.6	3.0	2.4	2.1	1.6	0.73
13	3.0	16	6.7	3.2	3.6	2.9	6.3	3.3	2.4	2.8	1.5	0.73
14	2.5	5.3	5.3	39	6.5	3.6	7.4	2.8	2.2	8.5	1.8	0.91
15	1.8	3.7	4.8	8.3	4.8	2.8	4.6	3.6	1.9	5.1	1.3	0.80
16	1.8	3.0	4.6	5.7	3.9	7.9	4.1	2.9	1.7	2.4	1.2	0.84
17	1.9	2.6	4.5	4.5	3.5	15	3.6	2.6	1.9	2.2	1.5	1.2
18	2.1	2.4	4.3	3.8	3.1	6.4	3.5	2.9	1.7	1.9	1.6	1.1
19	2.4	2.2	4.2	3.6	3.1	4.2	3.7	2.2	1.7	1.7	1.6	0.80
20	2.9	2.1	3.6	3.9	3.2	3.6	3.9	3.6	1.7	2.7	9.2	0.84
21	2.6	2.1	3.6	4.8	3.8	3.3	3.6	3.4	1.9	1.9	5.0	1.6
22	2.6	2.0	3.9	4.0	3.3	3.5	3.6	2.4	1.8	1.9	1.8	1.4
23	2.6	12	12	3.6	3.0	13	4.5	3.2	1.5	2.6	1.5	1.2
24	3.4	30	5.9	3.1	9.6	7.7	3.1	2.6	1.4	2.2	1.4	1.2
25	3.0	24	4.2	3.6	4.3	4.7	2.8	3.1	1.7	1.7	1.3	1.3
26	2.4	6.1	3.9	3.9	2.9	3.8	2.9	2.3	1.7	1.9	1.1	1.1
27	2.5	6.2	3.7	3.5	3.1	3.7	2.9	1.9	2.4	1.8	1.1	1.2
28	3.0	18	3.9	3.0	30	88	2.7	1.9	13	4.4	1.1	1.1
29	2.6	5.2	3.8	3.3	---	19	4.8	1.9	3.4	37	0.93	0.95
30	2.7	3.9	3.8	11	---	8.8	3.3	1.9	2.5	15	1.0	0.81
31	2.6	---	3.7	6.1	---	7.0	---	1.7	---	10	1.2	---
MEAN	2.67	8.79	9.99	5.18	5.99	8.58	5.59	3.10	4.32	5.19	2.22	0.95

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

MEAN	2.67	8.79	9.99	5.18	5.99	8.58	6.11	3.29	3.46	6.67	2.75	9.25
------	------	------	------	------	------	------	------	------	------	------	------	------

SUMMARY STATISTICS

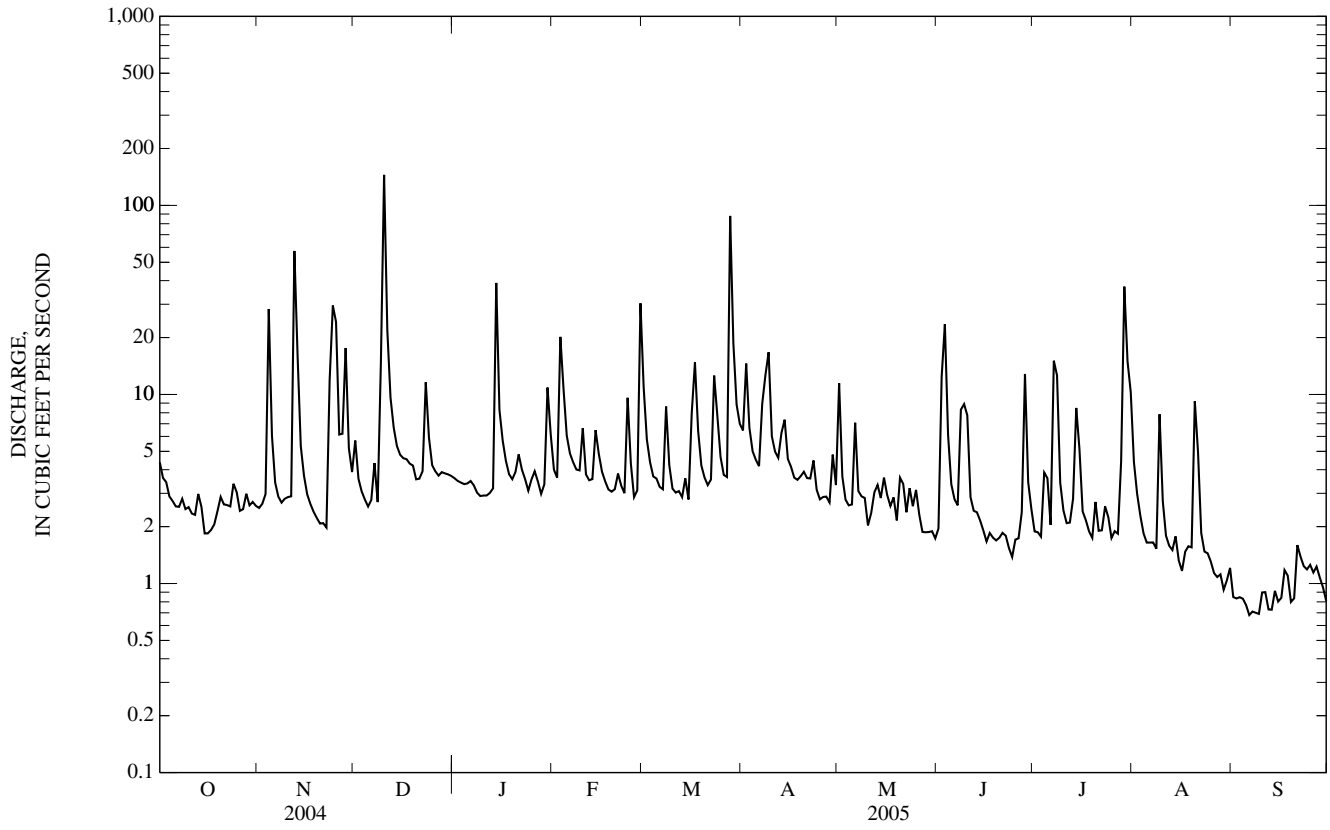
FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2004 - 2005

ANNUAL MEAN							5.21			5.21		
HIGHEST DAILY MEAN				211	Sep 28		145	Dec 10		211	Sep 28, 2004	
LOWEST DAILY MEAN				1.1	Jul 16		0.68	Sep 6		0.68	Sep 6, 2005	
ANNUAL SEVEN-DAY MINIMUM				1.5	Jul 3		0.75	Sep 3		0.75	Sep 3, 2005	
MAXIMUM PEAK STAGE							7.67	Dec 10		8.93	Jul 18, 2004	
MAXIMUM PEAK FLOW							NOT DETERMINED			NOT DETERMINED		
INSTANTANEOUS LOW FLOW							0.46	Sep 19		0.46	Sep 19, 2005	
10 PERCENT EXCEEDS							9.0			9.0		
50 PERCENT EXCEEDS							3.1			3.1		
90 PERCENT EXCEEDS							1.3			1.3		

02093877 BRUSH CREEK AT MUIRFIELD ROAD NEAR GREENSBORO, NC—Continued



02093877 BRUSH CREEK AT MUIRFIELD ROAD NEAR GREENSBORO, NC—Continued

PRECIPITATION RECORDS

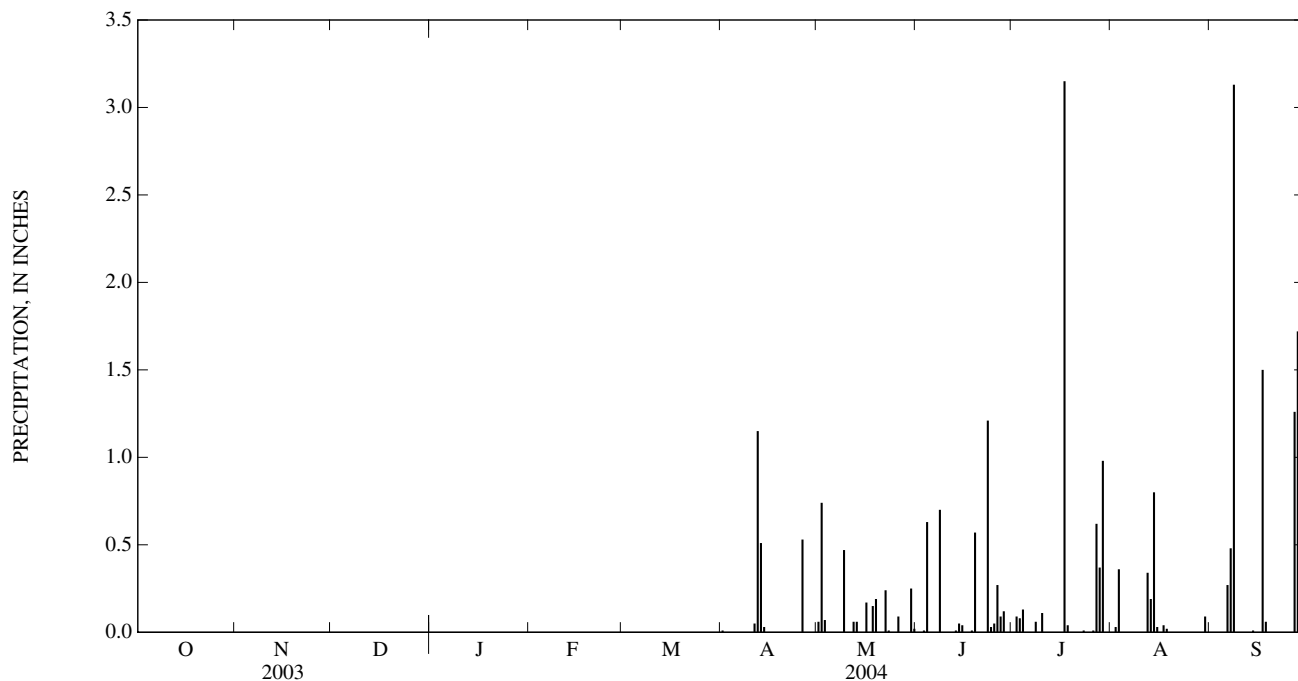
PERIOD OF RECORD.--April 2004 to September 2005.

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.

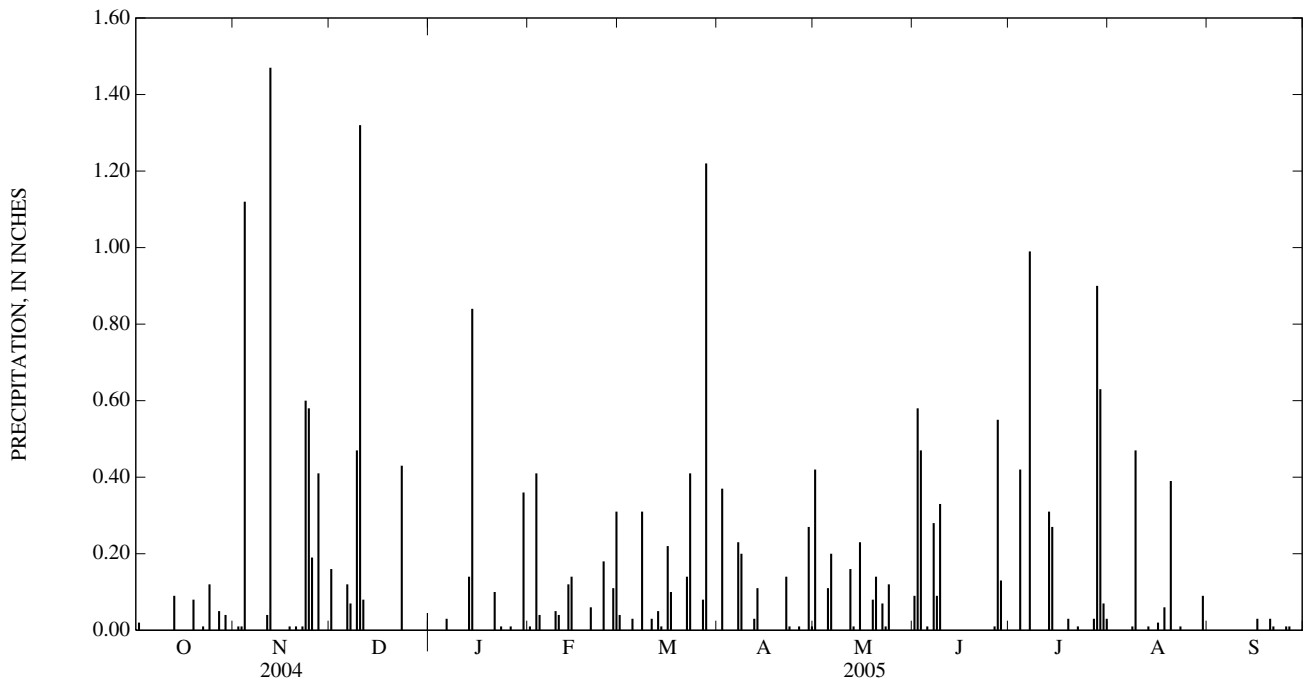
PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	0.01	0.06	0.00	0.00	0.00	0.00
2	---	---	---	---	---	---	0.00	0.74	0.00	0.09	0.03	0.00
3	---	---	---	---	---	---	0.00	0.07	0.01	0.08	0.36	0.00
4	---	---	---	---	---	---	0.00	0.00	0.63	0.13	0.00	0.00
5	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
6	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.27
7	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.48
8	---	---	---	---	---	---	0.00	0.00	0.70	0.06	0.00	3.13
9	---	---	---	---	---	---	0.00	0.47	0.00	0.00	0.00	0.00
10	---	---	---	---	---	---	0.00	0.00	0.00	0.11	0.00	0.00
11	---	---	---	---	---	---	0.05	0.00	0.00	0.00	0.00	0.00
12	---	---	---	---	---	---	1.15	0.06	0.00	0.00	0.34	0.00
13	---	---	---	---	---	---	0.51	0.06	0.01	0.00	0.19	0.00
14	---	---	---	---	---	---	0.03	0.00	0.05	0.00	0.80	0.01
15	---	---	---	---	---	---	0.00	0.00	0.04	0.00	0.03	0.00
16	---	---	---	---	---	---	0.00	0.17	0.00	0.00	0.00	0.00
17	---	---	---	---	---	---	0.00	0.00	0.00	3.15	0.04	1.50
18	---	---	---	---	---	---	0.00	0.15	0.01	0.04	0.02	0.06
19	---	---	---	---	---	---	0.00	0.19	0.57	0.00	0.00	0.00
20	---	---	---	---	---	---	0.00	0.00	---	0.00	0.00	0.00
21	---	---	---	---	---	---	0.00	0.00	---	0.00	0.00	0.00
22	---	---	---	---	---	---	0.00	0.24	0.00	0.00	0.00	0.00
23	---	---	---	---	---	---	0.00	0.01	1.21	0.01	0.00	0.00
24	---	---	---	---	---	---	0.00	0.00	0.03	0.00	0.00	0.00
25	---	---	---	---	---	---	0.00	0.00	0.05	0.00	0.00	0.00
26	---	---	---	---	---	---	0.53	0.09	0.27	0.01	0.00	0.00
27	---	---	---	---	---	---	0.00	0.00	0.09	0.62	0.00	1.26
28	---	---	---	---	---	---	0.00	0.00	0.12	0.37	0.00	1.72
29	---	---	---	---	---	---	0.00	0.00	0.00	0.98	0.00	0.00
30	---	---	---	---	---	---	0.00	0.25	0.00	0.00	0.09	0.00
31	---	---	---	---	---	---	---	0.02	---	0.00	0.00	---
TOTAL	---	---	---	---	---	---	2.28	2.58	---	5.65	1.90	8.43



PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.16	0.00	0.01	0.04	0.00	0.42	0.09	0.00	0.00	0.00
2	0.02	0.01	0.00	0.00	0.00	0.00	0.37	0.00	0.58	0.00	0.00	0.00
3	0.00	0.01	0.00	0.00	0.41	0.00	0.00	0.00	0.47	0.00	0.00	0.00
4	0.00	1.12	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.42	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.11	0.01	0.00	0.00	0.00
6	0.00	0.00	0.12	0.03	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00
7	0.00	0.00	0.07	0.00	0.00	0.00	0.23	0.00	0.28	0.99	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.31	0.20	0.00	0.09	0.00	0.01	0.00
9	0.00	0.00	0.47	0.00	0.05	0.00	0.00	0.00	0.33	0.00	0.47	0.00
10	0.00	0.00	1.32	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.04	0.08	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	1.47	0.00	0.00	0.00	0.00	0.03	0.16	0.00	0.00	0.00	0.00
13	0.09	0.00	0.00	0.14	0.12	0.05	0.11	0.01	0.00	0.31	0.01	0.00
14	0.00	0.00	0.00	0.84	0.14	0.01	0.00	0.00	0.00	0.27	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.02	0.03
17	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00
19	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.03	0.00	0.00
20	0.00	0.01	0.00	0.00	0.06	0.00	0.00	0.14	0.00	0.00	0.39	0.03
21	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
22	0.01	0.01	0.00	0.00	0.00	0.14	0.14	0.07	0.00	0.01	0.00	0.00
23	0.00	0.60	0.43	0.01	0.00	0.41	0.01	0.01	0.00	0.00	0.01	0.00
24	0.12	0.58	0.00	0.00	0.18	0.00	0.00	0.12	0.00	0.00	0.00	0.00
25	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
26	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01
27	0.05	0.41	0.00	0.00	0.11	0.08	0.00	0.00	0.55	0.03	0.00	0.00
28	0.00	0.00	0.00	0.00	0.31	1.22	0.00	0.00	0.13	0.90	0.00	0.00
29	0.04	0.00	0.00	0.00	---	0.00	0.27	0.00	0.00	0.63	0.00	0.00
30	0.00	0.00	0.00	0.36	---	0.00	0.01	0.00	0.00	0.07	0.09	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.03	0.00	---
TOTAL	0.41	4.46	2.65	1.49	1.47	2.64	1.38	1.55	2.54	3.69	1.06	0.09



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 from U.S. Highway 220 bridge on gravel road to city lift station, 2.9 mi upstrem from Lake Brandt dam and 6.3 mi northwest of Greensboro.

DRAINAGE AREA.--15.9 mi²

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.--Records poor.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	4.6	17	5.9	10	39	16	32	5.6	6.0	8.6	1.8
2	9.7	4.6	9.7	5.9	9.4	15	36	11	33	5.3	5.8	1.6
3	8.0	4.9	8.0	5.8	69	12	18	9.0	50	5.0	4.4	1.5
4	6.3	73	7.6	5.9	34	10	14	8.0	15	16	3.6	1.4
5	6.0	15	6.8	5.8	16	9.4	13	7.6	10	10	3.1	1.4
6	6.4	7.9	6.8	6.0	12	8.4	12	19	8.0	6.1	2.8	1.4
7	5.1	6.4	12	5.9	11	7.8	e11	9.8	7.9	21	2.6	1.4
8	4.8	5.6	7.1	5.6	9.9	31	e31	8.5	51	20	2.7	1.5
9	4.7	5.1	36	5.4	9.1	11	e13	7.9	38	7.9	18	1.5
10	4.7	4.8	421	6.0	21	9.0	e10	7.4	22	6.1	4.9	1.5
11	4.5	4.8	84	5.4	9.8	8.3	e12	7.0	10	5.4	3.4	1.4
12	4.5	163	28	5.4	9.5	7.8	13	6.9	7.8	5.4	2.7	1.4
13	7.0	69	15	5.5	8.4	7.4	17	8.0	7.1	40	4.8	1.5
14	5.1	18	11	123	16	10	21	6.9	6.4	44	4.4	1.7
15	4.7	11	9.7	25	12	7.2	12	7.6	5.7	16	3.0	1.7
16	4.2	9.6	8.7	14	9.5	33	11	7.1	5.2	7.7	6.4	2.2
17	4.1	8.3	8.0	11	8.4	63	11	6.3	5.1	5.2	5.7	2.7
18	4.1	7.7	7.5	9.6	7.7	21	10	6.3	5.0	4.2	2.9	1.9
19	6.8	7.3	7.3	9.0	7.3	12	9.5	7.3	4.7	3.5	3.2	1.7
20	6.9	7.2	6.6	9.0	7.3	10	9.4	9.7	4.7	8.0	22	1.7
21	4.8	6.9	6.4	10	8.5	8.9	8.7	11	5.1	3.4	9.4	2.7
22	4.6	6.6	6.5	9.3	7.9	8.9	8.5	6.9	6.5	2.9	4.5	1.8
23	4.5	55	34	8.7	7.2	46	10	8.4	5.7	2.8	4.7	1.6
24	6.2	51	11	7.7	31	24	8.7	8.4	5.8	2.3	3.2	1.4
25	5.2	65	8.1	8.6	13	12	8.1	7.8	5.8	2.1	2.7	1.5
26	4.7	16	7.0	8.5	9.6	10	7.9	6.5	5.8	1.9	2.4	1.9
27	4.7	15	6.4	7.9	8.7	9.3	8.0	6.0	31	1.8	2.2	1.9
28	5.6	61	6.1	7.3	121	244	7.6	6.0	24	7.5	2.2	1.6
29	5.3	14	6.1	7.8	---	56	12	5.8	9.9	84	2.0	1.4
30	5.3	10	6.1	35	---	23	9.1	5.7	7.5	42	1.9	1.3
31	4.8	---	6.0	16	---	18	---	5.5	---	19	2.5	---
TOTAL	174.3	738.3	821.5	401.9	504.2	792.4	388.5	271.3	409.3	412.5	152.7	50.0
MEAN	5.62	24.6	26.5	13.0	18.0	25.6	12.9	8.75	13.6	13.3	4.93	1.67
MAX	11	163	421	123	121	244	36	32	51	84	22	2.7
MIN	4.1	4.6	6.0	5.4	7.2	7.2	7.6	5.5	4.7	1.8	1.9	1.3
CFSM	0.35	1.55	1.67	0.82	1.13	1.61	0.81	0.55	0.86	0.84	0.31	0.10
IN.	0.41	1.73	1.92	0.94	1.18	1.85	0.91	0.63	0.96	0.97	0.36	0.12

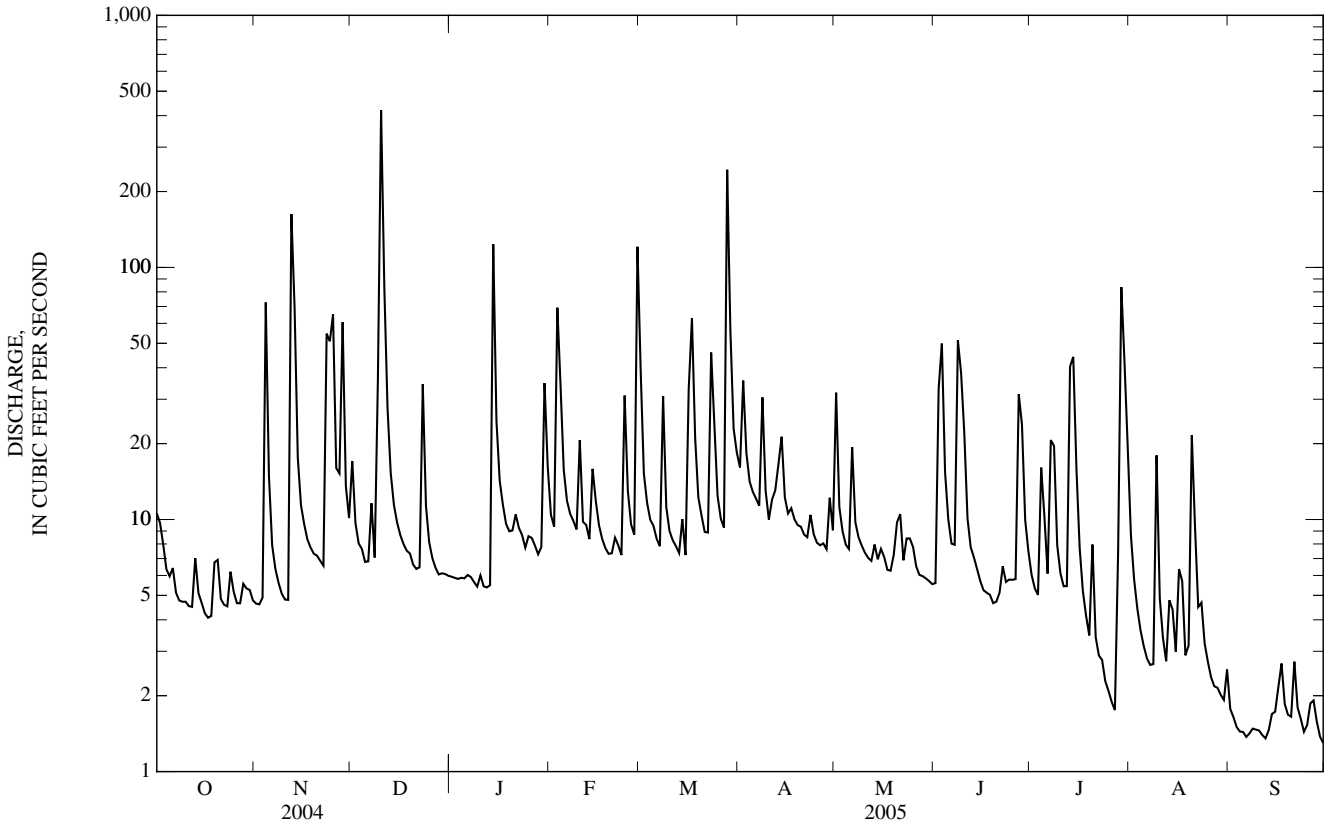
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)
	12.8	31.8	5.62	(2003)	17.4	43.6	5.08	(2002)	21.4	45.7	8.86	(2001)	16.7	21.9	9.75	(2004)	25.9	45.0	9.21	(2002)
	32.8	74.3	13.2	(2002)	27.3	70.2	5.46	(2002)	32.8	74.3	13.2	(2002)	27.3	70.2	5.46	(2002)	15.2	46.6	3.32	(2002)
	27.3	70.2	5.46	(2002)	15.2	46.6	3.32	(2002)	13.6	35.3	4.68	(2002)	17.1	35.4	4.11	(2002)	15.4	58.2	4.93	(2005)
	15.2	46.6	3.32	(2002)	13.6	35.3	4.68	(2002)	17.1	35.4	4.11	(2002)	15.4	58.2	4.93	(2005)	33.0	79.5	1.67	(2005)

0209399200 HORSE PEN CREEK AT US HIGHWAY 220 NEAR GREENSBORO, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1999 - 2005	
ANNUAL TOTAL	7,008.6		5,116.9		20.9	
ANNUAL MEAN	19.1		14.0		8.37	
HIGHEST ANNUAL MEAN					46.5	2003
LOWEST ANNUAL MEAN					8.37	2002
HIGHEST DAILY MEAN	564	Sep 8	421	Dec 10	827	Mar 20, 2003
LOWEST DAILY MEAN	2.5	Sep 4	1.3	Sep 30	0.14	Aug 25, 2002
ANNUAL SEVEN-DAY MINIMUM	3.0	Aug 23	1.4	Sep 3	0.38	Aug 8, 2002
MAXIMUM PEAK FLOW			971	Dec 10	2,300	Sep 23, 2003
MAXIMUM PEAK STAGE			8.81	Dec 10	10.66	Sep 23, 2003
INSTANTANEOUS LOW FLOW			1.2	Sep 30	0.06	Aug 14, 2002
ANNUAL RUNOFF (CFSM)	1.20		0.882		1.32	
ANNUAL RUNOFF (INCHES)	16.40		11.97		17.89	
10 PERCENT EXCEEDS	27		29		40	
50 PERCENT EXCEEDS	8.8		7.6		8.7	
90 PERCENT EXCEEDS	4.6		2.4		2.8	

e Estimated.



0209399200 HORSE PEN CREEK AT US HIGHWAY 220 NEAR GREENSBORO, NC—Continued

PRECIPITATION RECORDS

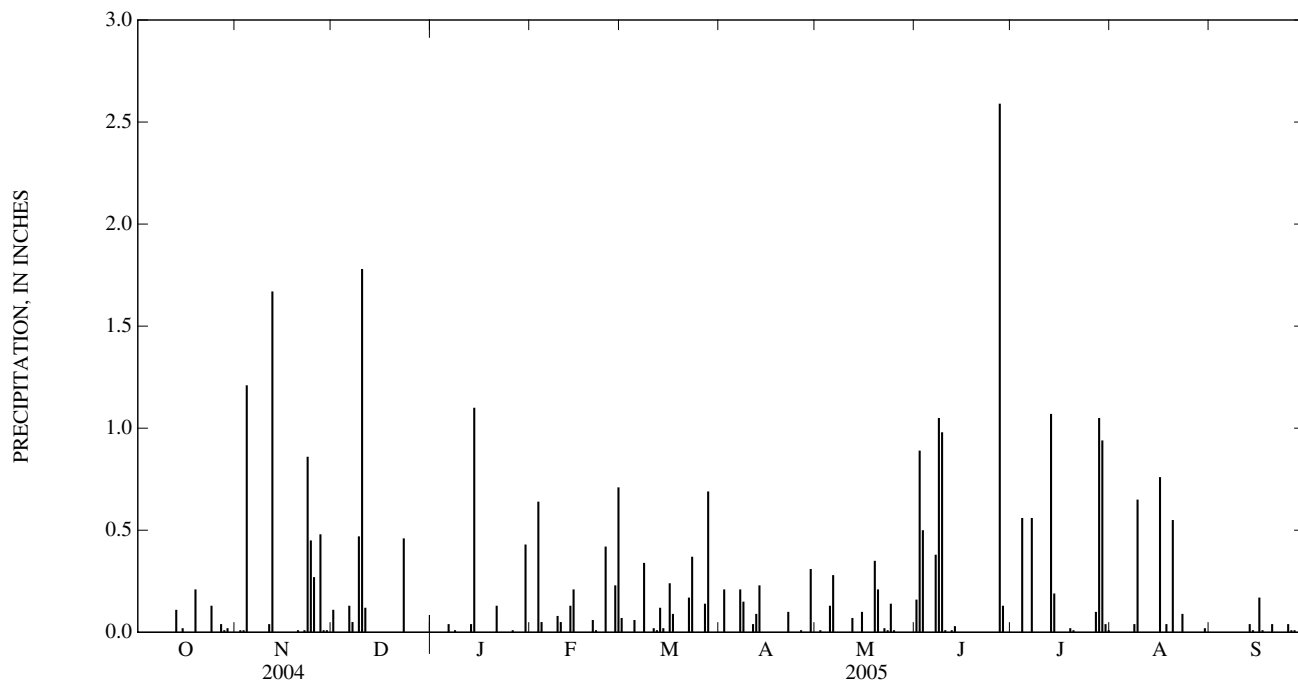
PERIOD OF RECORD.--August 1999 to current year.

GAGE.--Tipping-bucket raingage. 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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.11	0.00	0.00	0.07	0.00	0.00	0.16	0.00	0.00	0.00
2	0.00	0.01	0.00	0.00	0.00	0.00	0.21	0.01	0.89	0.00	0.00	0.00
3	0.00	0.01	0.00	0.00	0.64	0.00	0.00	0.00	0.50	0.00	0.00	0.00
4	0.00	1.21	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.56	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.13	0.00	0.00	0.00	0.00
6	0.00	0.00	0.13	0.04	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.00
7	0.00	0.00	0.05	0.00	0.00	0.00	0.21	0.00	0.38	0.56	0.00	0.00
8	0.00	0.00	0.00	0.01	0.00	0.34	0.15	0.00	1.05	0.00	0.04	0.00
9	0.00	0.00	0.47	0.00	0.08	0.00	0.00	0.00	0.98	0.00	0.65	0.00
10	0.00	0.00	1.78	0.00	0.05	0.00	0.00	0.00	0.01	0.00	0.00	0.00
11	0.00	0.04	0.12	0.00	0.00	0.02	0.04	0.00	0.00	0.00	0.00	0.00
12	0.00	1.67	0.00	0.00	0.00	0.01	0.09	0.07	0.01	0.00	0.00	0.00
13	0.11	0.00	0.00	0.04	0.13	0.12	0.23	0.00	0.03	1.07	0.00	0.04
14	0.00	0.00	0.00	1.10	0.21	0.02	0.00	0.00	0.00	0.19	0.00	0.01
15	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.76	0.17
17	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.01
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
19	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.02	0.00	0.00
20	0.00	0.01	0.00	0.00	0.06	0.00	0.00	0.21	0.00	0.01	0.55	0.04
21	0.00	0.00	0.00	0.13	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.01	0.00	0.00	0.00	0.17	0.10	0.02	0.00	0.00	0.00	0.00
23	0.00	0.86	0.46	0.00	0.00	0.37	0.00	0.01	0.00	0.00	0.09	0.00
24	0.13	0.45	0.00	0.00	0.42	0.00	0.00	0.14	0.00	0.00	0.00	0.00
25	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.04
26	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01
27	0.04	0.48	0.00	0.00	0.23	0.14	0.00	0.00	2.59	0.10	0.00	0.01
28	0.01	0.01	0.00	0.00	0.71	0.69	0.00	0.00	0.13	1.05	0.00	0.00
29	0.02	0.01	0.00	0.00	---	0.00	0.31	0.00	0.00	0.94	0.00	0.00
30	0.00	0.00	0.00	0.43	---	0.00	0.00	0.00	0.00	0.04	0.02	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.01	0.00	---
TOTAL	0.54	5.04	3.12	1.76	2.59	2.34	1.35	1.33	6.73	4.55	2.15	0.33



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 from Huffines Mill on Secondary Road 2719, 1.2 mi upstream from Buffalo Creek, and 6 mi northwest of Gibsonville.

DRAINAGE AREA.--131 mi².

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 control. Datum of gage is 626.88 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. 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 18.3 ft³/s from Lake Brandt and a daily average of 28.6 ft³/s from Lake Townsend for municipal water supply. Prior to regulation, maximum discharge: 11,600 ft³/s, Sept. 25, 1947; gage height: 20.77 ft; minimum discharge not determined. Minimum discharge for current water year also occurred Sept. 16, 17.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1916 reached a stage of 17.90 ft, from information by local resident; discharge, 8,640 ft³/s.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	20	132	18	135	550	289	67	14	8.8	11	8.3
2	36	20	88	19	122	138	163	62	22	7.8	9.7	8.5
3	30	21	29	20	74	85	112	43	41	8.3	9.0	8.1
4	24	50	23	24	116	58	59	32	48	8.4	8.5	7.5
5	19	29	19	199	330	102	38	23	49	21	8.0	6.7
6	16	15	18	25	72	73	30	24	48	16	7.8	6.6
7	15	12	92	18	28	53	44	22	43	20	7.9	6.8
8	13	11	392	17	63	87	335	21	105	45	8.0	6.7
9	13	9.9	74	15	54	128	56	20	359	17	29	7.2
10	13	9.7	1,670	14	48	64	42	19	189	11	25	6.5
11	13	9.4	2,070	15	46	36	36	17	84	9.2	14	5.8
12	13	277	204	22	71	36	193	16	69	9.2	9.9	5.2
13	16	581	45	27	55	30	118	16	47	57	8.0	4.7
14	19	51	37	731	46	21	77	15	34	124	7.2	e4.8
15	15	115	26	613	48	90	32	18	23	73	7.0	4.8
16	14	82	26	48	75	86	23	23	19	24	7.4	4.7
17	16	58	62	36	58	187	21	17	14	16	16	5.5
18	16	46	48	39	43	188	22	15	e13	12	13	5.2
19	16	36	40	43	34	125	21	38	e11	11	10	5.3
20	18	29	38	40	22	132	20	57	e11	9.3	14	6.0
21	17	27	35	30	42	59	20	58	e10	8.9	14	8.2
22	17	22	33	86	44	44	19	37	e9.9	8.6	10	8.1
23	17	97	86	70	30	168	21	33	e9.6	8.7	11	9.0
24	17	764	229	42	35	216	33	30	e8.9	8.1	13	9.0
25	20	153	35	32	80	178	31	25	e8.5	7.8	9.7	8.9
26	19	231	26	23	59	122	23	20	e8.4	7.5	7.7	10
27	18	72	21	44	42	164	18	18	e9.0	9.1	7.4	11
28	17	174	19	36	171	668	17	17	10	9.8	7.5	8.8
29	19	197	20	26	---	1,280	19	17	10	27	7.7	6.6
30	20	125	21	40	---	117	22	15	9.4	24	8.2	8.9
31	20	---	18	56	---	70	---	14	---	15	7.6	---
TOTAL	582	3,344.0	5,676	2,468	2,043	5,355	1,954	849	1,336.7	642.5	334.2	213.4
MEAN	18.8	111	183	79.6	73.0	173	65.1	27.4	44.6	20.7	10.8	7.11
MAX	46	764	2,070	731	330	1,280	335	67	359	124	29	11
MIN	13	9.4	18	14	22	21	17	14	8.4	7.5	7.0	4.7

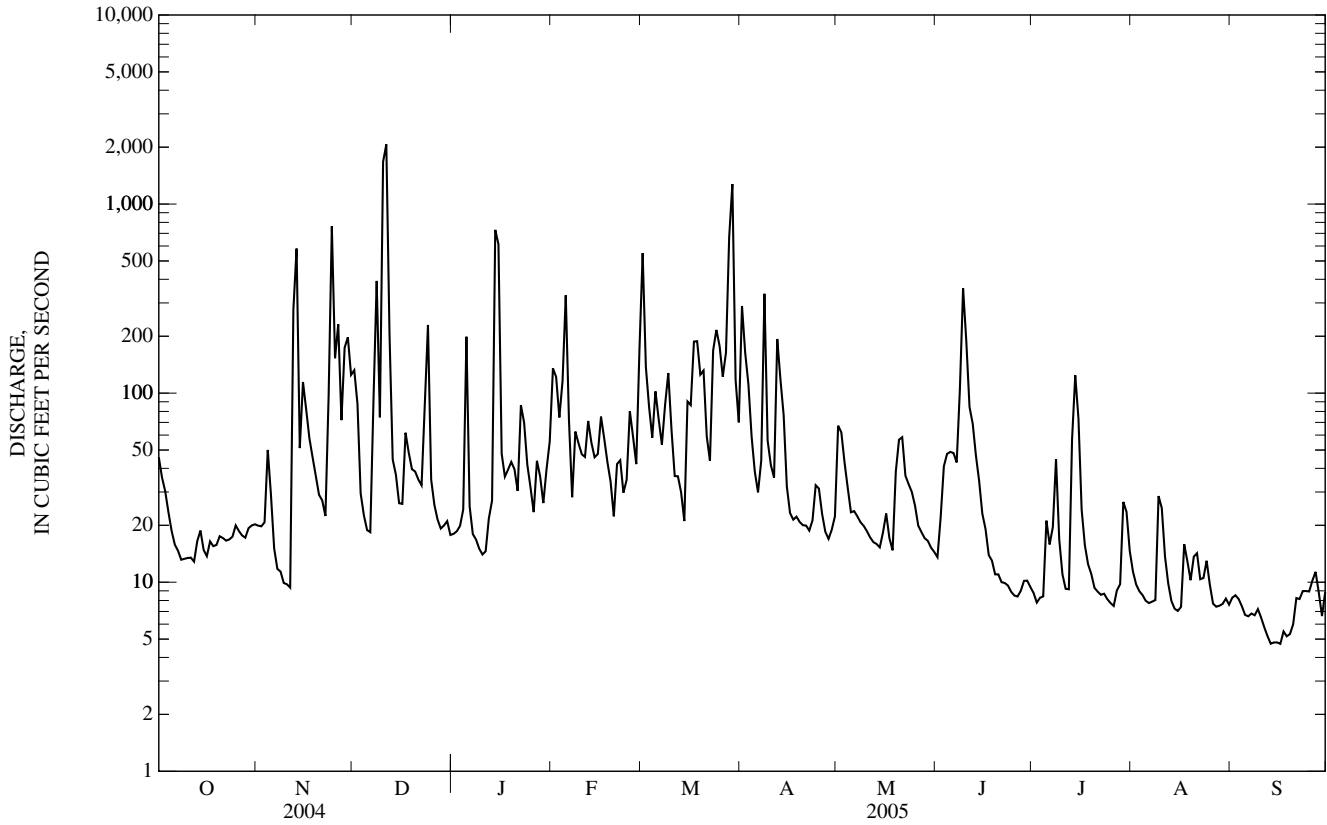
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2005, BY WATER YEAR (WY)

MEAN	50.6	47.5	90.9	163	151	173	144	91.7	64.2	59.0	44.3	81.2
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1969 - 2005	
ANNUAL TOTAL	28,801.3		24,797.8		96.4	
ANNUAL MEAN	78.7		67.9		239	
HIGHEST ANNUAL MEAN					15.6	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	2,070	Dec 11	2,070	Dec 11	5,230	Sep 6, 1996
LOWEST DAILY MEAN	7.5	Sep 5	4.7	Sep 13	0.27	Aug 17, 2002
ANNUAL SEVEN-DAY MINIMUM	8.5	Aug 20	5.0	Sep 12	0.61	Aug 11, 2002
MAXIMUM PEAK FLOW			2,480	Dec 11	6,330	Sep 6, 1996
MAXIMUM PEAK STAGE			8.46	Dec 11	15.65	Sep 6, 1996
INSTANTANEOUS LOW FLOW			4.4*	Sep 14	0.22	Aug 17, 2002
10 PERCENT EXCEEDS	127		130		254	
50 PERCENT EXCEEDS	29		22		22	
90 PERCENT EXCEEDS	11		8.1		5.8	

* Regulated period only (1969-2005). See REMARKS.
 e Estimated.



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 downstream of South Railway trestle.

DRAINAGE AREA.--7.33 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR NC-03-1B: 1999-02(M). WDR NC-04-1: 2003(P).

GAGE.--Water-stage recorder. Datum of gage is 771.84 ft above NGVD of 1929. 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 500 ft³/s on basis of culvert computation of peak flow. Minimum discharge for period of record occurred several days in 2002.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.5	e1.4	12	e2.7	4.3	9.6	3.7	38	2.2	1.4	3.6	0.64
2	6.2	e1.7	3.0	e2.7	4.0	4.8	17	3.3	49	1.2	2.0	0.60
3	3.6	e1.5	2.4	e2.7	55	3.7	4.3	2.4	15	4.1	1.7	0.51
4	2.4	35	2.2	e2.7	8.8	3.3	3.4	2.2	3.2	21	1.5	0.53
5	2.2	2.8	2.3	e2.8	5.2	3.1	3.2	2.2	1.9	3.9	1.4	0.49
6	1.8	1.7	2.1	e2.7	3.6	2.8	3.1	18	1.7	1.8	1.3	0.42
7	1.8	1.5	7.5	e2.6	3.5	2.7	20	2.9	10	37	1.2	0.41
8	1.7	1.5	2.6	e2.7	3.2	34	43	2.2	23	5.7	8.3	0.52
9	1.8	1.5	24	e2.4	2.9	4.6	11	2.1	4.8	2.2	37	0.59
10	1.8	1.5	373	e2.4	8.5	3.5	4.3	2.0	2.9	1.4	2.5	0.88
11	1.7	1.5	33	e2.5	3.0	5.0	3.7	2.0	2.2	1.4	1.6	0.75
12	1.8	137	e7.1	e2.5	2.6	3.7	3.8	3.0	1.8	1.2	1.3	0.46
13	13	11	e5.2	e3.1	2.9	2.8	15	3.8	7.1	75	1.1	0.70
14	2.3	3.5	e3.9	148	13	5.7	9.2	2.0	3.5	19	1.5	0.96
15	1.7	2.7	e3.5	8.9	4.6	2.8	3.8	3.8	1.4	3.7	1.0	0.88
16	1.6	1.9	e3.3	5.8	3.5	37	3.3	2.0	1.1	2.8	1.1	2.4
17	1.6	1.9	e3.7	4.6	3.5	48	2.8	1.8	1.1	2.2	3.8	1.9
18	1.6	1.8	e3.3	3.8	3.2	8.8	2.8	1.8	1.1	1.5	3.0	0.61
19	4.1	1.7	e3.1	3.8	2.7	4.9	2.8	6.2	0.99	1.7	1.8	0.47
20	2.1	1.8	e2.8	3.9	3.1	4.0	2.6	8.1	0.96	7.6	25	5.4
21	1.5	1.7	e2.8	5.0	4.9	3.5	2.6	4.2	0.91	2.5	3.6	5.2
22	1.6	1.8	e3.0	3.7	2.6	7.8	3.4	2.0	1.0	2.1	1.0	0.86
23	1.7	64	39	3.4	2.4	33	3.7	6.6	0.99	1.8	14	0.26
24	4.0	24	7.1	3.0	33	9.5	2.5	4.0	0.96	1.4	1.5	0.35
25	1.7	25	e3.6	3.1	5.9	5.0	2.5	2.5	0.99	1.4	1.1	0.35
26	1.6	3.9	e3.2	2.9	3.6	4.2	2.8	1.4	0.96	1.3	0.89	1.0
27	1.6	27	e3.0	2.9	3.4	4.6	3.0	1.3	17	1.4	0.71	0.59
28	2.4	22	e2.8	3.2	106	221	2.8	1.3	42	23	0.78	0.64
29	2.5	3.9	e2.8	5.2	---	13	9.3	1.3	2.6	71	0.84	0.60
30	e1.7	3.0	e2.8	31	---	5.4	3.4	1.2	1.5	69	0.82	0.76
31	e1.4	---	e2.8	6.3	---	4.3	---	1.2	---	7.9	0.72	---
TOTAL	81.0	391.2	572.9	283.0	302.9	506.1	198.8	136.8	203.86	378.6	127.66	30.73
MEAN	2.61	13.0	18.5	9.13	10.8	16.3	6.63	4.41	6.80	12.2	4.12	1.02
MAX	13	137	373	148	106	221	43	38	49	75	37	5.4
MIN	1.4	1.4	2.1	2.4	2.4	2.7	2.5	1.2	0.91	1.2	0.71	0.26
CFSM	0.36	1.78	2.52	1.25	1.48	2.23	0.90	0.60	0.93	1.67	0.56	0.14
IN.	0.41	1.99	2.91	1.44	1.54	2.57	1.01	0.69	1.03	1.92	0.65	0.16

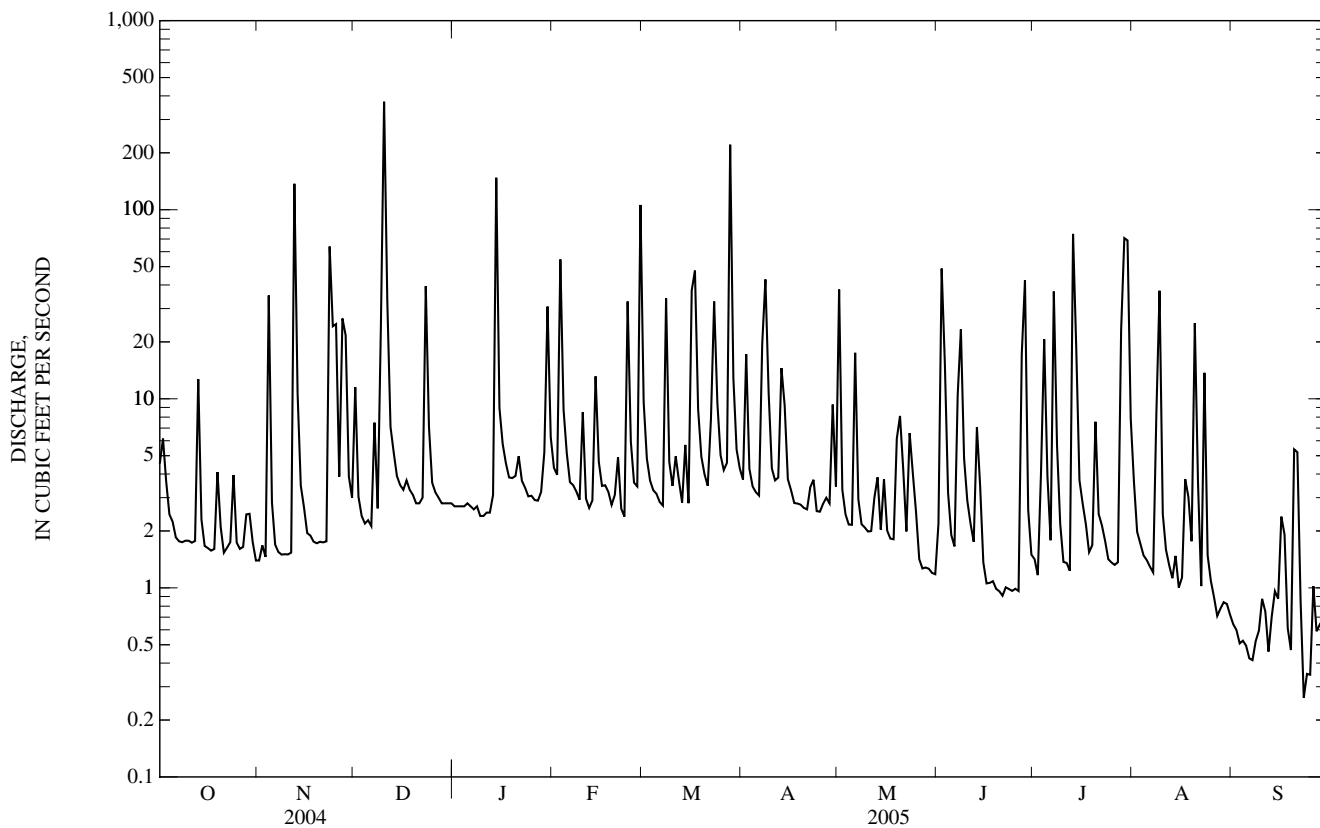
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	9.04	7.99	11.5	9.75	11.6	16.9	14.9	10.1	9.66	12.6	9.17	27.6
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	1.02
(WY)	(2001)	(2002)	(2001)	(2004)	(2002)	(2004)	(2002)	(2002)	(2002)	(2002)	(2004)	(2005)

02094659 SOUTH BUFFALO CREEK NEAR POMONA, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1999 - 2005	
ANNUAL TOTAL	4,893.51		3,213.55		12.8	
ANNUAL MEAN	13.4		8.80		6.22	
HIGHEST ANNUAL MEAN					27.6	2003
LOWEST ANNUAL MEAN					6.22	2002
HIGHEST DAILY MEAN	740	Sep 8	373	Dec 10	740	Sep 8, 2004
LOWEST DAILY MEAN	0.65	Sep 5	0.26	Sep 23	0.11	Jun 22, 2002
ANNUAL SEVEN-DAY MINIMUM	0.73	Aug 23	0.50	Sep 3	0.13	Aug 7, 2002
MAXIMUM PEAK FLOW			2,280	Dec 10	3,350*	Sep 23, 2003
MAXIMUM PEAK STAGE			10.92	Dec 10	15.45	Sep 23, 2003
INSTANTANEOUS LOW FLOW			0.17	Sep 23	0.10*	Jun 22, 2002
ANNUAL RUNOFF (CFSM)	1.82		1.20		1.74	
ANNUAL RUNOFF (INCHES)	24.83		16.31		23.64	
10 PERCENT EXCEEDS	14		18		25	
50 PERCENT EXCEEDS	2.8		2.8		2.7	
90 PERCENT EXCEEDS	1.4		0.99		0.76	

* See REMARKS.
e Estimated.



PRECIPITATION RECORDS

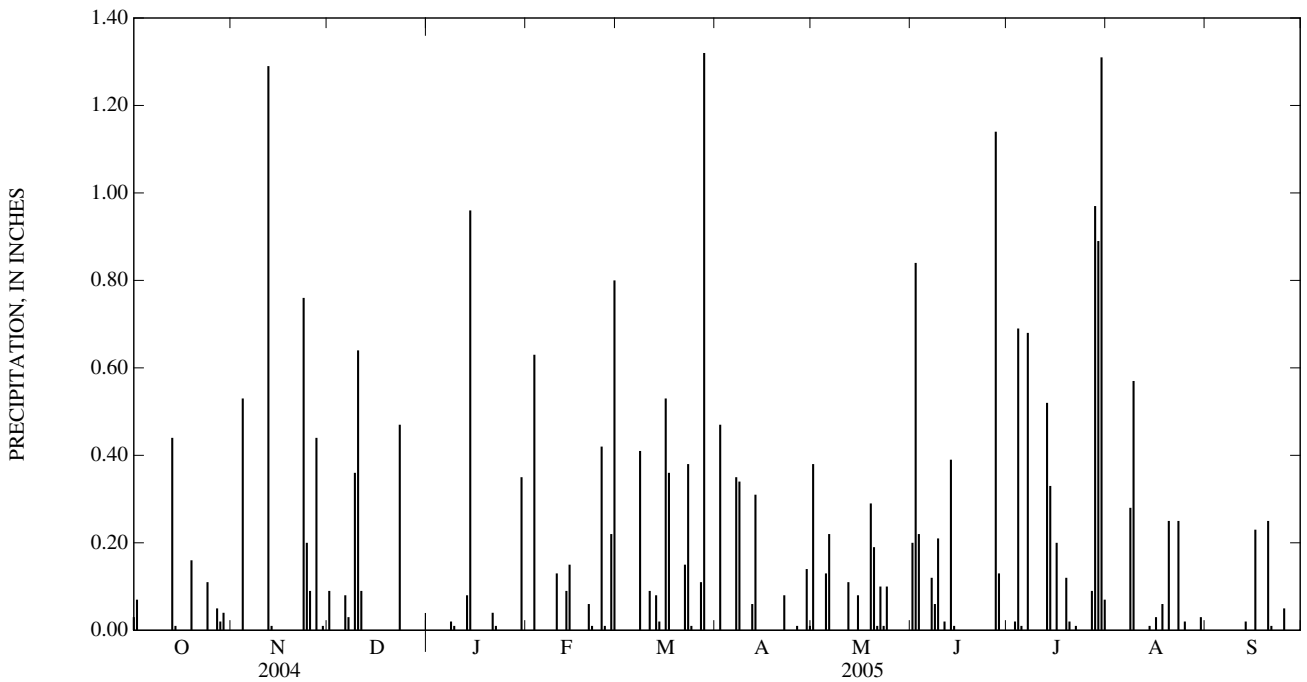
PERIOD OF RECORD.--January 2000 to current year.

GAGE.--Tipping-bucket raingage. Satellite telemetry at station.

REMARKS.--Records poor.

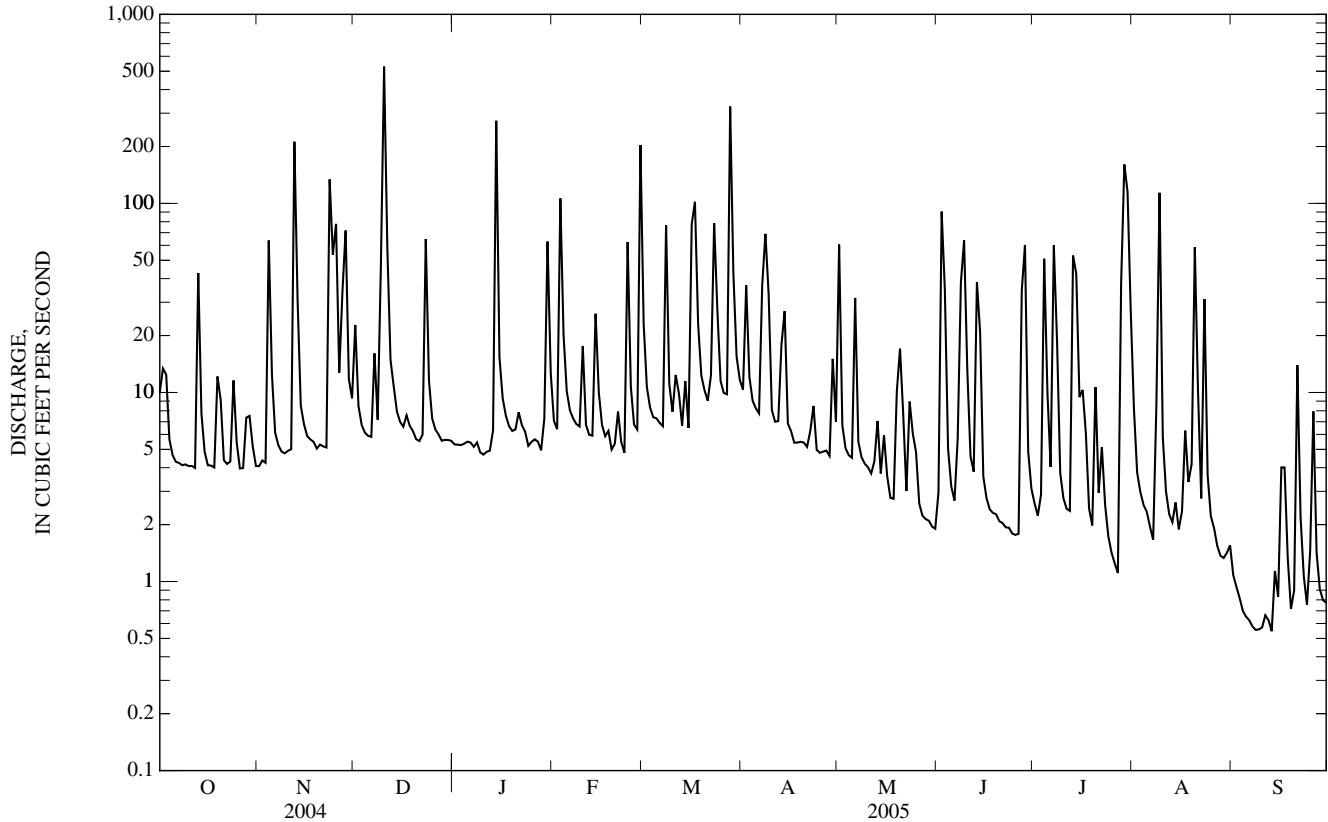
PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.03	0.00	0.09	0.00	0.00	0.00	0.00	0.38	0.20	0.00	0.00	0.00
2	0.07	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.84	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.22	0.02	0.00	0.00
4	0.00	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.01	0.00	0.00
6	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00
7	0.00	0.00	0.03	0.00	0.00	0.00	0.35	0.00	0.12	0.68	0.00	0.00
8	0.00	0.00	0.00	0.02	0.00	0.41	0.34	0.00	0.06	0.00	0.28	0.00
9	0.00	0.00	0.36	0.01	0.00	0.00	0.00	0.00	0.21	0.00	0.57	0.00
10	0.00	0.00	0.64	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.09	0.00	0.00	0.09	0.00	0.00	0.02	0.00	0.00	0.00
12	0.00	1.29	0.00	0.00	0.00	0.00	0.06	0.11	0.00	0.00	0.00	0.00
13	0.44	0.01	0.00	0.08	0.09	0.08	0.31	0.00	0.39	0.52	0.00	0.02
14	0.01	0.00	0.00	0.96	0.15	0.02	0.00	0.00	0.01	0.33	0.01	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.00	0.20	0.03	0.23
17	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00
19	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.12	0.00	0.00
20	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.19	0.00	0.02	0.25	0.25
21	0.00	0.00	0.00	0.04	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.01
22	0.00	0.00	0.00	0.01	0.00	0.15	0.08	0.10	0.00	0.01	0.00	0.00
23	0.00	0.76	0.47	0.00	0.00	0.38	0.00	0.01	0.00	0.00	0.25	0.00
24	0.11	0.20	0.00	0.00	0.42	0.01	0.00	0.10	0.00	0.00	0.00	0.00
25	0.00	0.09	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.05
26	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
27	0.05	0.44	0.00	0.00	0.22	0.11	0.00	0.00	1.14	0.09	0.00	0.00
28	0.02	0.00	0.00	0.00	0.80	1.32	0.00	0.00	0.13	0.97	0.00	0.00
29	0.04	0.01	0.00	0.00	---	0.00	0.14	0.00	0.00	0.89	0.00	0.00
30	0.00	0.00	0.00	0.35	---	0.00	0.01	0.00	0.00	1.31	0.03	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.07	0.00	---
TOTAL	0.93	3.33	1.76	1.47	2.52	3.46	1.77	1.62	3.34	5.93	1.50	0.56



02094770 SOUTH BUFFALO CREEK AT US 220 AT GREENSBORO, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1998 - 2005	
ANNUAL TOTAL	8,590.5		6,160.40		25.4	
ANNUAL MEAN	23.5		16.9		10.7	
HIGHEST ANNUAL MEAN					50.6	2003
LOWEST ANNUAL MEAN					10.7	2002
HIGHEST DAILY MEAN	913	Sep 8	529	Dec 10	1,640	Sep 2, 2000
LOWEST DAILY MEAN	1.3	Aug 29	0.55	Sep 8	0.10	Aug 14, 2002
ANNUAL SEVEN-DAY MINIMUM	1.6	Aug 23	0.58	Sep 7	0.19	Sep 13, 2001
MAXIMUM PEAK FLOW			1,700	Dec 10	2,770	Sep 23, 2003
MAXIMUM PEAK STAGE			13.55	Dec 10	16.44	Sep 23, 2003
INSTANTANEOUS LOW FLOW			0.39	Sep 13	0.08	Aug 14, 2002
ANNUAL RUNOFF (CFSM)	1.52		1.10		1.65	
ANNUAL RUNOFF (INCHES)	20.75		14.88		22.40	
10 PERCENT EXCEEDS	42		38		48	
50 PERCENT EXCEEDS	6.2		5.8		5.5	
90 PERCENT EXCEEDS	3.6		1.8		1.7	



02094770 SOUTH BUFFALO CREEK AT US 220 AT GREENSBORO, NC—Continued

PRECIPITATION RECORDS

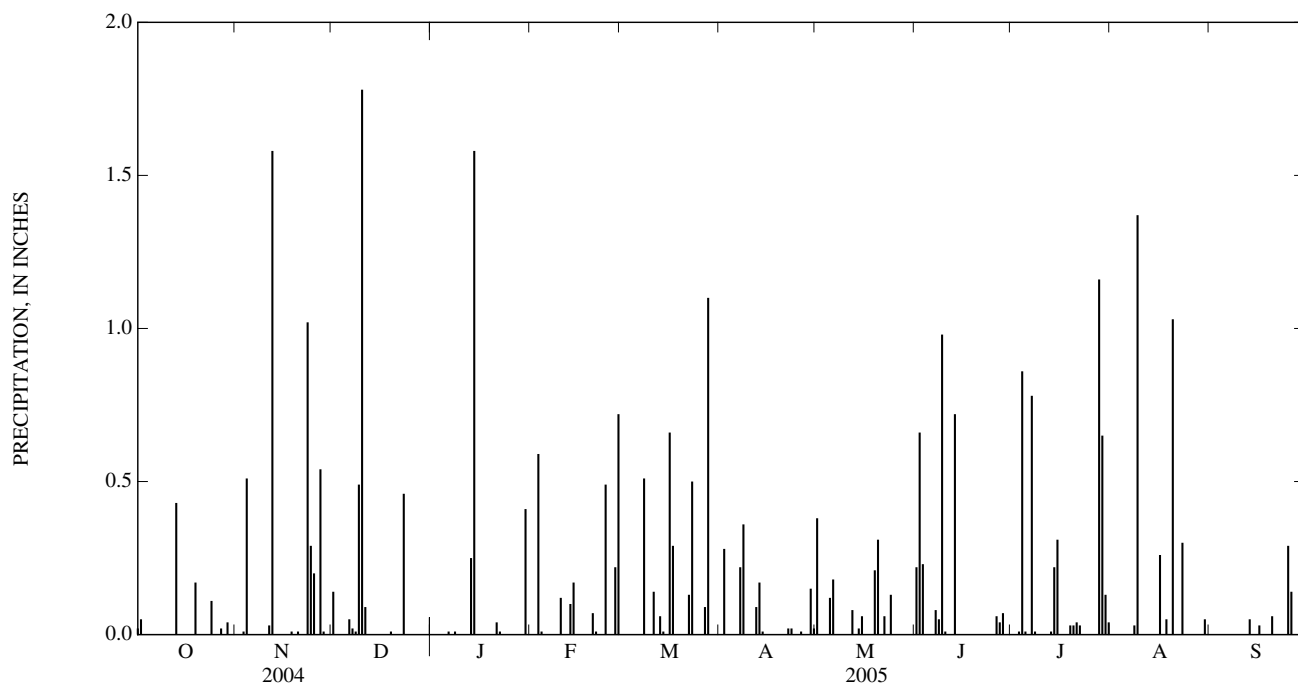
PERIOD OF RECORD.--August 1998 to current year. Records for August 1998 to December 1999 are unpublished and available at the USGS Water Science Center, Raleigh, NC.

GAGE.--Tipping bucket raingage. Satellite telemetry at station.

REMARKS.--Records poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.02	0.00	0.14	0.00	0.00	0.00	0.00	0.38	0.22	0.00	0.00	0.00
2	0.05	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.66	0.00	0.00	0.00
3	0.00	0.01	0.00	0.00	0.00	0.59	0.00	0.00	0.23	0.01	0.00	0.00
4	0.00	0.51	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.86	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.01	0.00	0.00
6	0.00	0.00	0.05	0.01	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00
7	0.00	0.00	0.02	0.00	0.00	0.00	0.22	0.00	0.08	0.78	0.00	0.00
8	0.00	0.00	0.01	0.01	0.00	0.51	0.36	0.00	0.05	0.01	0.03	0.00
9	0.00	0.00	0.49	0.00	0.00	0.00	0.00	0.00	0.98	0.00	1.37	0.00
10	0.00	0.00	1.78	0.00	0.12	0.00	0.00	0.00	0.01	0.00	0.00	0.00
11	0.00	0.03	0.09	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	1.58	0.00	0.00	0.00	0.00	0.09	0.08	0.00	0.00	0.00	0.00
13	0.43	0.00	0.00	0.25	0.10	0.06	0.17	0.00	0.72	0.01	0.00	0.05
14	0.00	0.00	0.00	1.58	0.17	0.01	0.01	0.02	0.00	0.22	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.31	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.66	0.00	0.00	0.00	0.00	0.26	0.03
17	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00
19	0.17	0.00	0.01	0.00	0.00	0.00	0.00	0.21	0.00	0.03	0.00	0.00
20	0.00	0.01	0.00	0.00	0.07	0.00	0.00	0.31	0.00	0.03	1.03	0.06
21	0.00	0.00	0.00	0.04	0.01	0.00	0.00	0.00	0.00	0.04	0.00	0.00
22	0.00	0.00	0.00	0.01	0.00	0.13	0.02	0.06	0.00	0.03	0.00	0.00
23	0.00	1.02	0.46	0.00	0.00	0.50	0.02	0.00	0.00	0.00	0.30	0.00
24	0.11	0.29	0.00	0.00	0.49	0.00	0.00	0.13	0.00	0.00	0.00	0.00
25	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29
26	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.06	0.00	0.00	0.14
27	0.02	0.54	0.00	0.00	0.22	0.09	0.00	0.00	0.04	0.00	0.00	0.00
28	0.00	0.01	0.00	0.00	0.72	1.10	0.00	0.00	0.07	1.16	0.00	0.00
29	0.04	0.00	0.00	0.00	---	0.00	0.15	0.00	0.00	0.65	0.00	0.00
30	0.00	0.00	0.00	0.41	---	0.00	0.02	0.00	0.00	0.13	0.05	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.04	0.00	---
TOTAL	0.84	4.21	3.05	2.31	2.50	3.49	1.35	1.55	3.12	4.32	3.09	0.57



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 from South Buffalo Creek, and .2 mi downstream from US Highway 220 in Greensboro.

DRAINAGE AREA.--4.12 mi².

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 poor. No flow occurred several days in Aug. 2002. Minimum discharge for current water year occurred several days in Sept.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	0.88	4.2	1.5	2.0	5.7	2.5	8.0	1.2	0.77	2.3	0.18
2	3.2	1.0	2.1	1.3	2.0	3.5	9.7	2.4	16	0.78	0.60	0.17
3	2.3	1.5	1.8	1.3	26	3.0	3.0	1.1	7.5	0.73	0.50	0.22
4	1.4	8.5	1.7	1.5	4.5	3.0	2.2	0.93	1.8	9.5	0.46	0.17
5	1.1	1.9	1.6	1.6	2.3	3.5	2.0	0.93	1.1	3.7	0.45	0.17
6	1.0	1.1	1.7	1.5	2.0	2.9	1.9	4.7	0.86	2.2	0.51	0.18
7	1.0	1.1	2.2	1.3	1.8	2.7	4.1	1.2	2.3	24	0.49	0.19
8	1.0	1.2	1.7	1.4	1.7	19	7.9	0.95	11	4.1	0.61	0.20
9	1.0	1.2	13	1.4	1.8	3.6	4.1	0.84	41	1.1	33	0.21
10	1.1	1.0	133	1.4	4.7	3.2	2.0	0.75	6.0	0.81	1.00	0.20
11	0.88	1.1	9.7	1.5	1.6	3.9	1.9	0.75	1.8	0.72	0.60	0.20
12	0.94	58	3.4	1.5	1.5	3.0	2.1	0.84	1.4	0.74	0.49	0.20
13	6.2	5.0	2.6	2.2	1.6	2.8	4.6	1.5	41	0.67	0.45	0.44
14	1.3	1.8	2.2	93	5.7	3.1	4.7	0.87	10	5.0	0.45	0.28
15	0.94	1.6	2.0	4.2	2.5	2.5	1.8	1.4	2.1	1.7	0.51	0.17
16	0.78	1.5	2.0	2.8	1.8	21	1.6	1.0	1.7	0.77	12	0.18
17	0.77	1.5	1.8	2.1	1.6	25	1.5	1.1	1.0	0.68	5.2	0.21
18	0.84	1.5	1.7	1.8	1.4	5.7	1.5	1.2	0.87	0.64	0.67	0.25
19	3.3	1.5	1.8	1.8	1.5	3.6	1.4	1.6	0.87	0.62	0.62	0.18
20	1.4	1.4	1.6	1.8	1.7	3.0	1.4	4.4	0.84	1.5	21	0.24
21	0.87	1.4	1.8	2.0	2.0	2.7	1.3	2.4	0.84	0.82	1.0	0.75
22	0.89	1.4	1.9	2.0	1.5	3.4	1.3	0.91	0.87	0.83	0.24	0.18
23	0.85	34	13	1.8	1.4	23	1.6	1.4	0.75	0.59	2.7	0.17
24	1.8	12	2.6	1.6	16	7.9	1.5	1.3	0.74	0.58	0.28	0.18
25	1.0	17	1.9	1.7	2.6	3.5	1.3	1.3	0.80	0.56	0.22	0.39
26	0.81	2.8	1.7	1.7	1.9	3.0	1.4	0.78	0.82	0.52	0.20	1.6
27	0.83	14	1.5	1.5	1.9	3.1	1.4	0.66	1.0	0.51	0.20	0.21
28	1.1	16	1.6	1.5	50	64	1.1	0.66	2.9	18	0.20	0.17
29	1.5	2.6	1.6	1.9	---	8.2	2.4	0.66	1.3	31	0.18	0.16
30	1.1	2.1	1.5	16	---	3.2	1.4	0.66	0.90	20	0.21	0.16
31	0.99	---	1.4	3.4	---	2.7	---	0.65	---	7.5	0.29	---
TOTAL	44.19	197.58	222.3	162.0	147.0	248.4	76.6	47.84	161.26	141.64	87.63	8.21
MEAN	1.43	6.59	7.17	5.23	5.25	8.01	2.55	1.54	5.38	4.57	2.83	0.27
MAX	6.2	58	133	93	50	64	9.7	8.0	41	31	33	1.6
MIN	0.77	0.88	1.4	1.3	1.4	2.5	1.1	0.65	0.74	0.51	0.18	0.16
CFSM	0.35	1.60	1.74	1.27	1.27	1.94	0.62	0.37	1.30	1.11	0.69	0.07
IN.	0.40	1.78	2.01	1.46	1.33	2.24	0.69	0.43	1.46	1.28	0.79	0.07

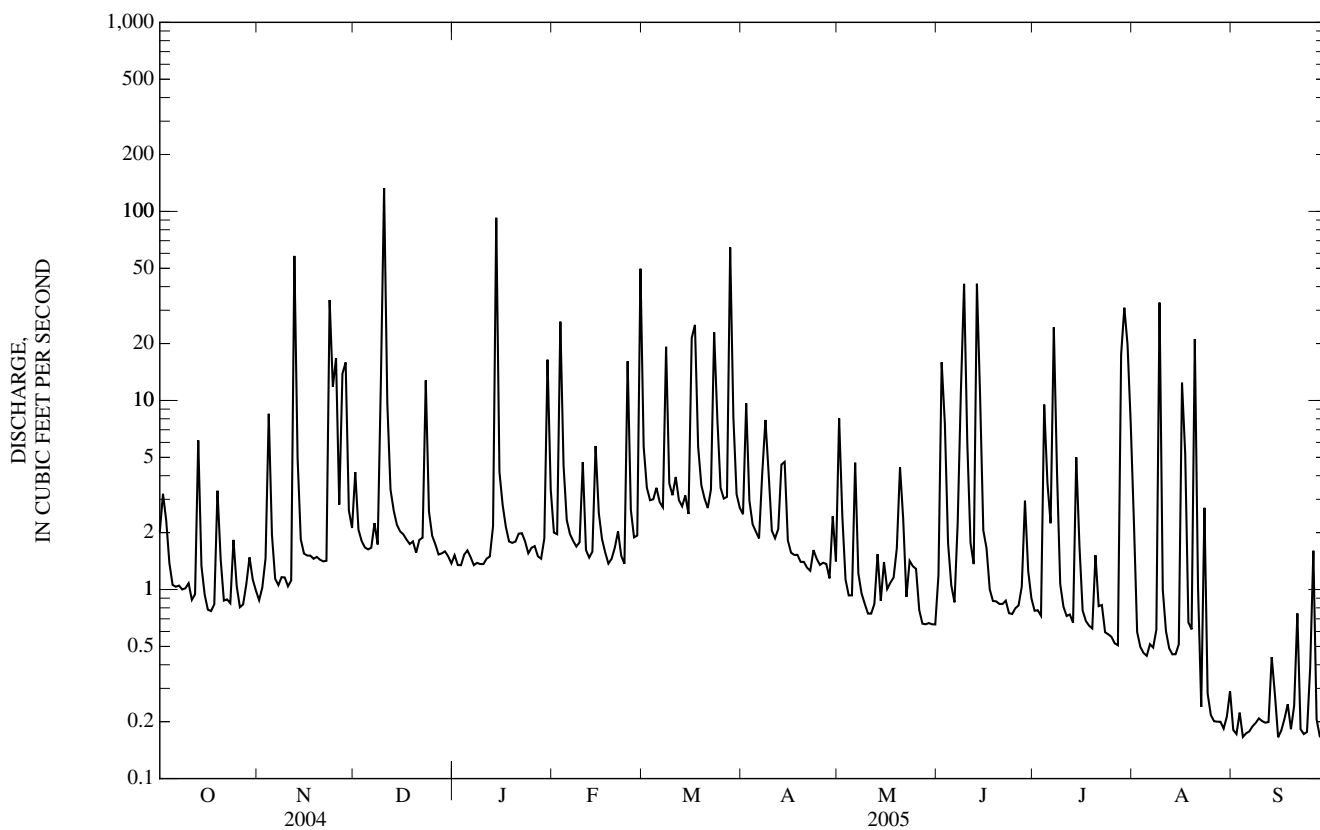
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

MEAN	3.89	3.59	5.07	6.11	5.15	7.10	5.55	3.07	5.26	5.73	4.01	10.9
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	0.27
(WY)	(1999)	(1999)	(2001)	(2004)	(1999)	(2004)	(2002)	(1999)	(2002)	(1999)	(1998)	(2005)

02094775 RYAN CREEK BELOW US HIGHWAY 220 AT GREENSBORO, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1998 - 2005	
ANNUAL TOTAL	2,147.77		1,544.65		5.59	
ANNUAL MEAN	5.87		4.23		2.98	
HIGHEST ANNUAL MEAN					14.0	2003
LOWEST ANNUAL MEAN					2.98	2002
HIGHEST DAILY MEAN	267	Sep 8	133	Dec 10	393	Sep 15, 2000
LOWEST DAILY MEAN	0.44	Jul 16	0.16	Sep 29	0.00	Aug 6, 2002
ANNUAL SEVEN-DAY MINIMUM	0.50	Aug 23	0.18	Sep 1	0.00	Aug 6, 2002
MAXIMUM PEAK FLOW			547	Dec 10	1,060	Jul 13, 2003
MAXIMUM PEAK STAGE			6.96	Dec 10	12.53	Jul 13, 2003
INSTANTANEOUS LOW FLOW			0.16*	Sep 1	0.00*	Aug 6, 2002
ANNUAL RUNOFF (CFSM)	1.42		1.03		1.36	
ANNUAL RUNOFF (INCHES)	19.39		13.95		18.45	
10 PERCENT EXCEEDS	8.1		8.1		9.5	
50 PERCENT EXCEEDS	1.6		1.5		1.2	
90 PERCENT EXCEEDS	0.72		0.42		0.26	

* See REMARKS.



PRECIPITATION RECORDS

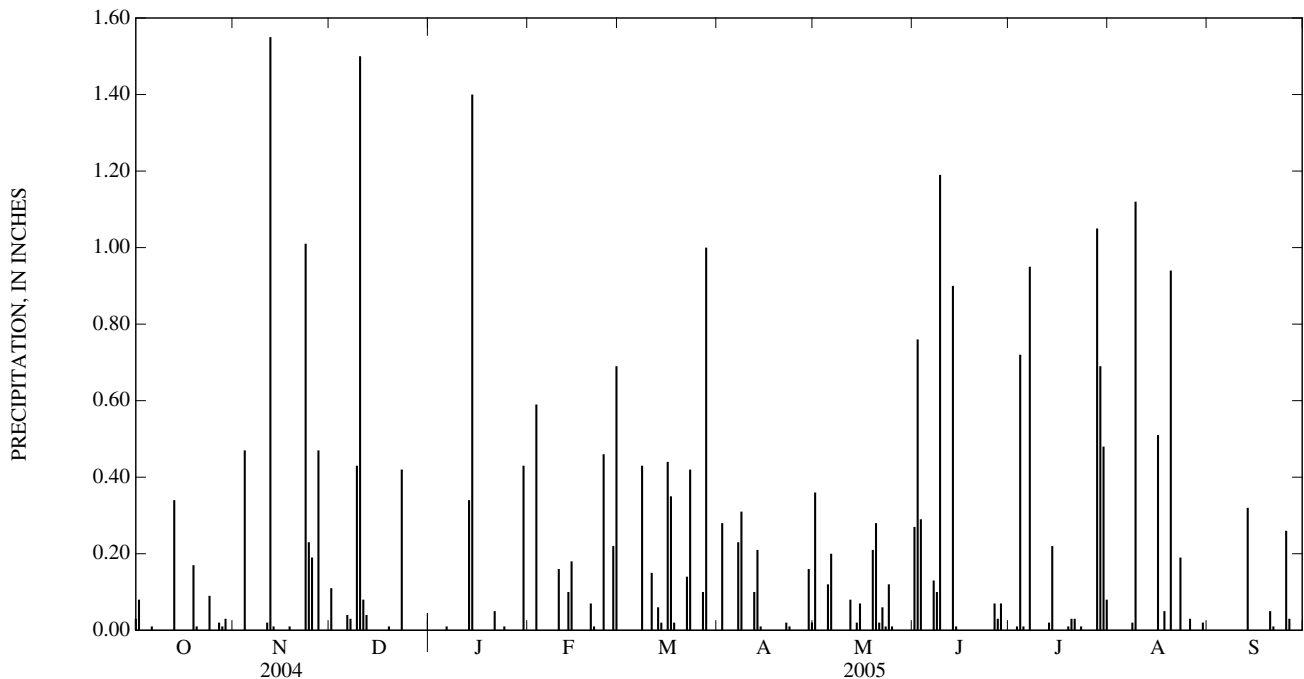
PERIOD OF RECORD.--August 1998 to current year.

GAGE.--Tipping-bucket raingage. 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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.03	0.00	0.11	0.00	0.00	0.00	0.00	0.36	0.27	0.00	0.00	0.00
2	0.08	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.76	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.29	0.01	0.00	0.00
4	0.00	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.01	0.00	0.00
6	0.01	0.00	0.04	0.01	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00
7	0.00	0.00	0.03	0.00	0.00	0.00	0.23	0.00	0.13	0.95	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.43	0.31	0.00	0.10	0.00	0.02	0.00
9	0.00	0.00	0.43	0.00	0.00	0.00	0.00	0.00	1.19	0.00	1.12	0.00
10	0.00	0.00	1.50	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.02	0.08	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	1.55	0.04	0.00	0.00	0.00	0.10	0.08	0.00	0.00	0.00	0.00
13	0.34	0.01	0.00	0.34	0.10	0.06	0.21	0.00	0.90	0.02	0.00	0.32
14	0.00	0.00	0.00	1.40	0.18	0.02	0.01	0.02	0.01	0.22	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.00	0.00	0.00	0.51	0.00
17	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.05	0.00
19	0.17	0.00	0.01	0.00	0.00	0.00	0.00	0.21	0.00	0.01	0.00	0.00
20	0.01	0.00	0.00	0.00	0.07	0.00	0.00	0.28	0.00	0.03	0.94	0.05
21	0.00	0.00	0.00	0.05	0.01	0.00	0.00	0.02	0.00	0.03	0.00	0.01
22	0.00	0.00	0.00	0.00	0.00	0.14	0.02	0.06	0.00	0.00	0.00	0.00
23	0.00	1.01	0.42	0.00	0.00	0.42	0.01	0.01	0.00	0.01	0.19	0.00
24	0.09	0.23	0.00	0.01	0.46	0.00	0.00	0.12	0.00	0.00	0.00	0.00
25	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.26
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.03	0.03
27	0.02	0.47	0.00	0.00	0.22	0.10	0.00	0.00	0.03	0.00	0.00	0.00
28	0.01	0.00	0.00	0.00	0.69	1.00	0.00	0.00	0.07	1.05	0.00	0.00
29	0.03	0.00	0.00	0.00	---	0.00	0.16	0.00	0.00	0.69	0.00	0.00
30	0.00	0.00	0.00	0.43	---	0.00	0.02	0.00	0.00	0.48	0.02	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.08	0.00	---
TOTAL	0.79	3.96	2.66	2.24	2.48	3.13	1.35	1.56	3.82	4.31	2.88	0.67



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 mi².

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 ft³/s July 15, 1949, gage-height 11.54 ft, from rating curve extended above 2,000 ft³/s based on contracted-opening measurement, site and datum then in use.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	e9.2	64	13	18	78	30	94	5.6	4.6	25	3.4
2	24	e9.7	32	12	14	40	91	16	143	4.1	8.0	3.0
3	29	e9.6	23	12	226	31	36	9.6	90	3.6	5.8	e2.8
4	13	e113	20	12	49	27	23	7.8	16	118	4.8	e2.6
5	9.7	e29	18	12	21	27	20	7.5	19	38	4.3	e2.5
6	8.2	e13	18	11	15	23	19	54	11	14	4.1	e2.4
7	7.6	e11	41	11	14	22	58	13	14	159	3.6	e2.2
8	7.0	e9.8	22	11	14	170	105	8.7	63	80	3.7	e2.2
9	6.7	e9.6	122	10	14	33	92	8.0	154	11	337	e2.3
10	6.6	e9.8	1,400	9.7	40	23	22	6.4	92	6.5	23	e2.2
11	6.1	e9.8	152	9.8	15	32	19	6.0	12	5.1	9.7	e2.4
12	6.1	544	55	9.8	12	31	20	5.7	7.5	5.3	6.7	e2.3
13	88	111	36	17	12	23	39	14	60	30	6.0	e2.2
14	e19	30	25	870	57	36	65	6.6	143	83	6.8	e3.8
15	e11	21	21	43	33	23	18	12	13	26	5.8	e3.0
16	e9.4	20	19	25	18	183	14	8.1	8.1	9.8	5.0	e7.8
17	e9.2	15	20	20	15	251	12	5.9	6.1	14	55	e9.8
18	e9.2	15	18	15	14	65	12	5.5	5.4	4.9	8.4	e3.9
19	e18	13	17	16	13	35	11	13	5.1	3.7	10	e2.7
20	e21	12	15	13	13	28	11	55	4.7	15	126	e3.0
21	e10	12	22	17	22	24	9.8	25	4.9	5.7	38	e19
22	e9.9	11	16	14	15	25	10	7.1	4.6	13	8.5	e5.7
23	e9.4	334	127	14	12	185	16	16	4.4	7.1	50	e3.6
24	e19	151	38	e12	133	84	9.5	13	4.1	3.2	10	e2.7
25	e12	215	21	13	34	29	8.3	14	4.6	2.8	5.9	e3.9
26	e9.2	50	18	11	19	23	7.8	5.8	3.9	2.5	4.9	e18
27	e9.4	53	15	9.7	16	20	e8.3	4.7	17	2.2	4.5	e4.3
28	e14	227	14	7.8	484	735	8.0	4.5	87	25	4.3	e3.1
29	e14	42	14	12	---	133	25	4.0	11	366	3.8	e2.8
30	e11	30	14	139	---	45	16	3.7	6.3	156	3.9	e2.6
31	e9.3	---	13	38	---	34	---	3.6	---	54	5.6	---
TOTAL	463.0	2,139.5	2,450	1,439.8	1,362	2,518	835.7	458.2	1,020.3	1,273.1	798.1	132.2
MEAN	14.9	71.3	79.0	46.4	48.6	81.2	27.9	14.8	34.0	41.1	25.7	4.41
MAX	88	544	1,400	870	484	735	105	94	154	366	337	19
MIN	6.1	9.2	13	7.8	12	20	7.8	3.6	3.9	2.2	3.6	2.2
CFSM	0.44	2.12	2.35	1.38	1.45	2.42	0.83	0.44	1.01	1.22	0.77	0.13
IN.	0.51	2.37	2.71	1.59	1.51	2.79	0.93	0.51	1.13	1.41	0.88	0.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2005, @ BY WATER YEAR (WY)

MEAN	25.8	31.1	41.9	57.5	65.1	62.6	52.4	28.4	31.3	37.7	25.8	45.3
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)

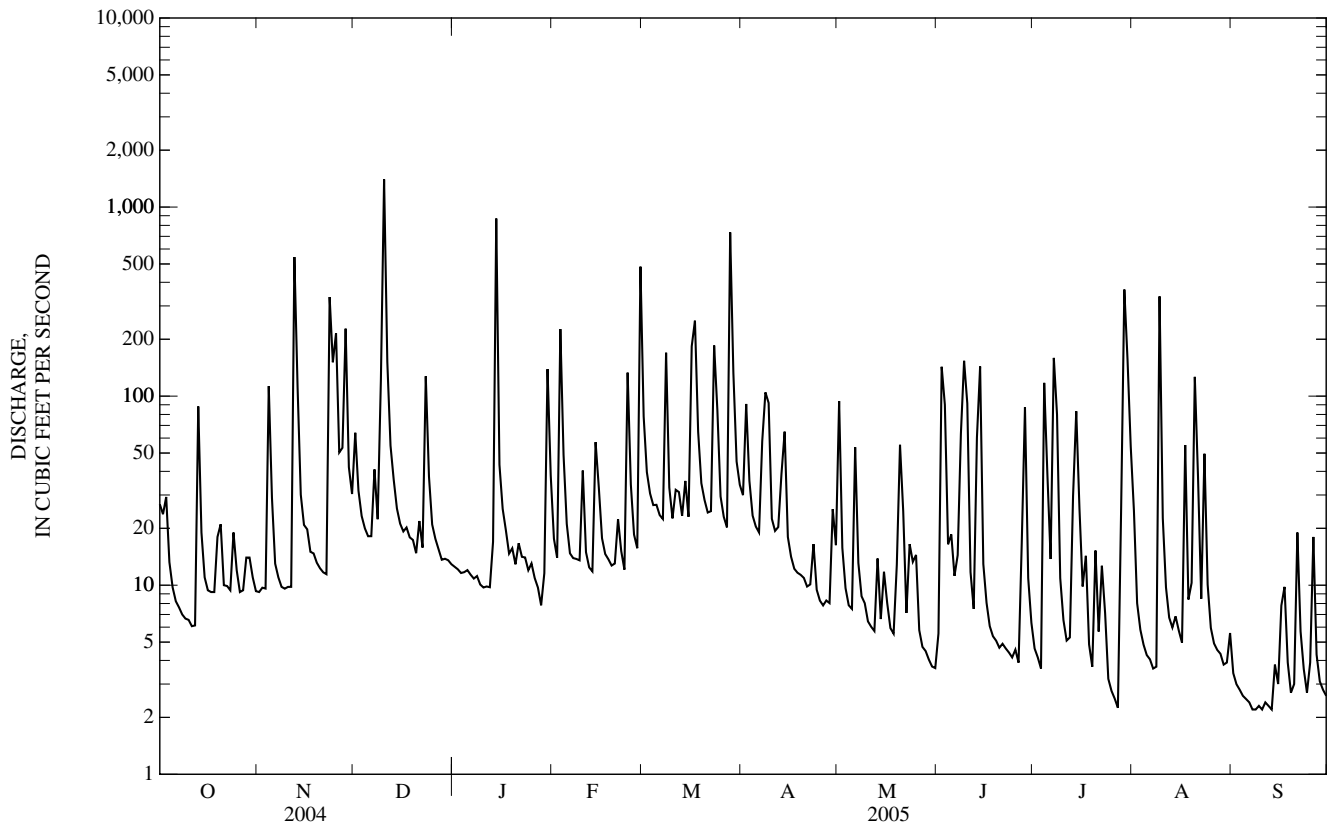
02095000 SOUTH BUFFALO CREEK NEAR GREENSBORO, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1928 - 2005 [@]	
ANNUAL TOTAL	21,463.6		14,889.9		41.7	
ANNUAL MEAN	58.6		40.8		137	
HIGHEST ANNUAL MEAN					21.0	
LOWEST ANNUAL MEAN					1942	
HIGHEST DAILY MEAN	2,000	Sep 28	1,400	Dec 10	5,460	Jul 15, 1949
LOWEST DAILY MEAN	4.2	Jul 16	2.2	Jul 27	0.42	Aug 4, 2002
ANNUAL SEVEN-DAY MINIMUM	4.8	Aug 23	2.3	Sep 7	0.57	Jul 31, 2002
MAXIMUM PEAK FLOW			2,580	Dec 10	10,000*	Jul 15, 1945
INSTANTANEOUS LOW FLOW			NOT DETERMINED		NOT DETERMINED	
MAXIMUM PEAK STAGE			12.97	Dec 10	14.37	Mar 20, 2003
ANNUAL RUNOFF (CFSM)	1.75		1.21		1.24	
ANNUAL RUNOFF (INCHES)	23.76		16.49		16.88	
10 PERCENT EXCEEDS	76		90		77	
50 PERCENT EXCEEDS	17		14		14	
90 PERCENT EXCEEDS	8.9		3.9		4.5	

[@] See PERIOD OF RECORD.

* See REMARKS.

e Estimated.



02095000 SOUTH BUFFALO CREEK NEAR GREENSBORO, NC—Continued

PRECIPITATION RECORDS

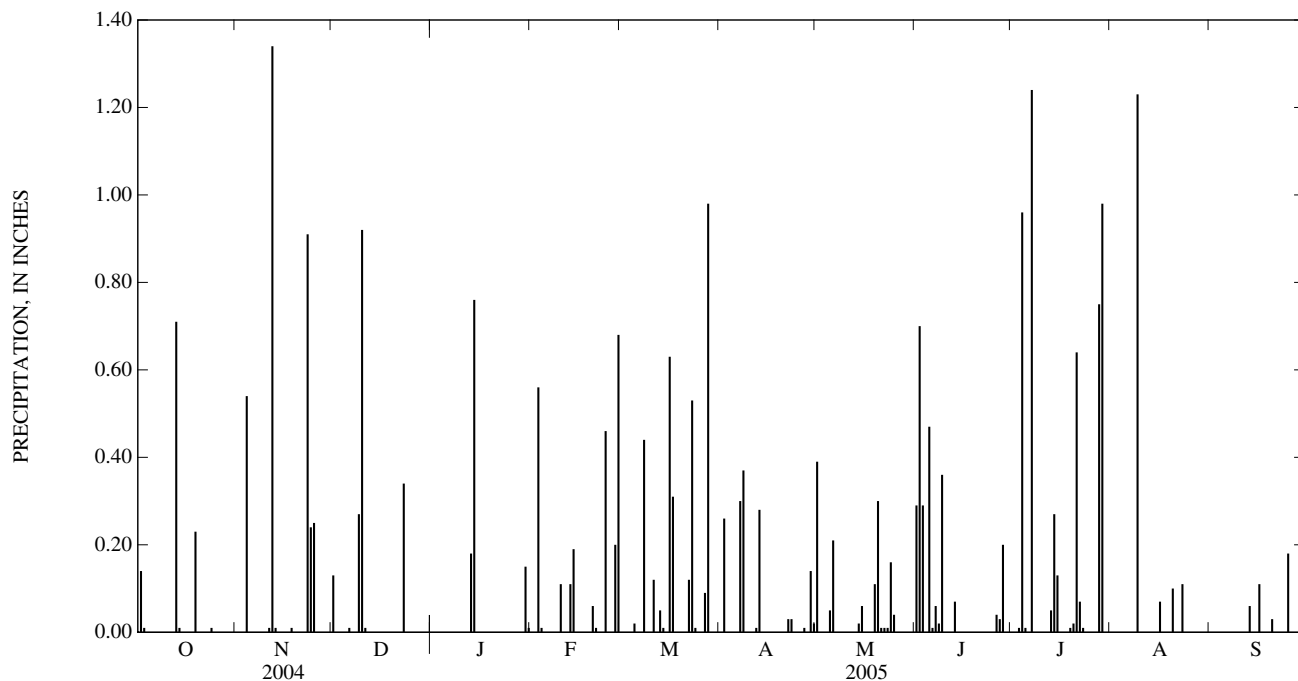
PERIOD OF RECORD.--August 1998 to current year.

GAGE.--Tipping-bucket raingage. 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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.00	0.13	0.00	0.00	0.00	0.00	0.39	0.29	0.00	0.00	0.00
2	0.14	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.70	0.00	0.00	0.00
3	0.01	0.00	0.00	0.00	0.56	0.00	0.00	0.00	0.29	0.01	0.00	0.00
4	0.00	0.54	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.96	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.05	0.47	0.01	0.00	0.00
6	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.21	0.01	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.06	1.24	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.44	0.37	0.00	0.02	0.00	0.00	0.00
9	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.36	0.00	1.23	0.00
10	0.00	0.00	0.92	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.01	0.01	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	1.34	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13	0.71	0.01	0.00	0.18	0.11	0.05	0.28	0.00	0.07	0.05	0.00	0.06
14	0.01	0.00	0.00	0.76	0.19	0.01	0.00	0.02	0.00	0.27	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.13	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.07	0.11
17	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.01	0.00	0.00
20	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.30	0.00	0.02	0.10	0.03
21	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.64	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.12	0.03	0.01	0.00	0.07	0.00	0.00
23	0.00	0.91	0.34	0.00	0.00	0.53	0.03	0.01	0.00	0.01	0.11	0.00
24	0.01	0.24	0.00	0.00	0.46	0.01	0.00	0.16	0.00	0.00	0.00	0.00
25	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.18
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.20	0.09	0.01	0.00	0.03	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.68	0.98	0.00	0.00	0.20	0.75	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.14	0.00	0.00	0.98	0.00	0.00
30	0.00	0.00	0.00	0.15	---	0.00	0.02	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.01	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	---	3.31	1.68	1.10	2.39	3.31	1.45	1.37	2.54	5.15	1.51	0.38



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 upstream from Southern Railway bridge.

DRAINAGE AREA.--9.55 mi².

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 Sept. 19, 23, 29, 30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	2.7	13	3.4	3.9	12	8.1	50	3.5	1.5	4.5	1.2
2	2.9	2.8	3.8	3.3	3.6	6.5	23	3.5	49	1.4	1.9	1.2
3	2.4	3.2	3.5	3.2	62	5.7	9.2	3.0	32	3.0	1.7	1.4
4	2.8	49	3.4	3.3	9.0	5.2	8.1	3.0	3.7	53	1.6	1.1
5	2.7	3.7	3.1	3.5	5.2	5.2	6.9	3.2	2.6	5.2	1.5	1.3
6	2.8	2.6	3.3	3.9	4.3	5.2	6.6	18	2.3	1.9	1.4	1.2
7	3.0	2.7	8.7	4.0	4.1	5.2	26	3.3	17	41	1.3	1.7
8	e2.9	2.8	3.2	4.3	3.9	30	60	3.1	31	6.3	3.0	1.6
9	e2.7	2.7	30	3.9	3.7	5.8	14	2.9	56	2.3	72	1.5
10	e2.5	2.6	e369	4.1	12	5.6	6.6	3.1	7.7	1.8	2.8	1.5
11	e2.5	2.7	31	4.1	3.6	6.4	4.9	3.0	2.9	2.2	1.8	1.7
12	e2.9	151	13	4.0	3.5	4.9	5.1	3.1	2.2	3.2	1.5	1.6
13	28	11	10	5.6	3.7	4.5	18	4.1	2.8	e77	12	1.6
14	3.5	3.9	9.4	e220	16	8.3	11	2.9	2.7	56	3.9	2.0
15	2.9	3.3	8.9	7.7	4.5	4.2	4.8	4.2	2.0	6.4	1.5	1.9
16	3.1	3.1	8.6	5.1	3.8	39	4.4	2.9	2.0	4.2	3.9	5.7
17	3.2	3.0	6.5	4.3	3.6	46	4.1	2.6	1.8	3.2	5.0	2.1
18	3.4	2.9	3.8	3.9	3.5	10	4.0	2.7	1.8	3.1	2.1	0.87
19	9.0	3.2	3.7	4.2	4.2	6.5	4.0	9.5	1.8	4.6	2.1	0.78
20	3.9	2.9	3.8	3.9	5.0	6.1	3.7	11	1.8	8.7	53	1.5
21	2.8	2.9	3.7	5.8	5.5	5.6	3.4	6.2	1.8	3.4	4.8	2.9
22	2.7	3.0	4.0	4.0	4.3	11	5.0	2.5	1.7	2.0	1.8	1.1
23	2.7	78	34	3.8	4.1	36	5.1	4.7	1.7	1.9	14	0.90
24	6.8	29	5.0	3.4	32	11	3.3	12	1.7	1.4	2.3	0.94
25	2.7	32	4.1	3.9	4.6	6.5	3.3	3.3	1.7	1.4	1.7	2.3
26	2.4	5.0	3.6	4.0	3.6	6.0	3.4	2.4	1.8	1.4	1.4	7.1
27	2.6	38	3.4	4.0	4.2	6.9	3.6	2.3	16	1.4	1.4	1.2
28	3.8	26	3.3	5.8	117	e248	3.5	2.2	21	33	1.5	0.92
29	3.5	5.1	3.6	8.3	---	17	10	2.1	2.3	74	1.6	0.82
30	3.0	4.3	3.6	34	---	8.4	3.6	2.1	1.8	35	1.5	1.2
31	2.7	---	3.5	5.5	---	7.1	---	2.3	---	6.4	2.5	---
TOTAL	128.6	485.1	611.5	382.2	338.4	585.8	276.7	181.2	278.1	447.3	213.0	52.83
MEAN	4.15	16.2	19.7	12.3	12.1	18.9	9.22	5.85	9.27	14.4	6.87	1.76
MAX	28	151	369	220	117	248	60	50	56	77	72	7.1
MIN	2.4	2.6	3.1	3.2	3.5	4.2	3.3	2.1	1.7	1.4	1.3	0.78
CFSM	0.43	1.69	2.07	1.29	1.27	1.98	0.97	0.61	0.97	1.51	0.72	0.18
IN.	0.50	1.89	2.38	1.49	1.32	2.28	1.08	0.71	1.08	1.74	0.83	0.21

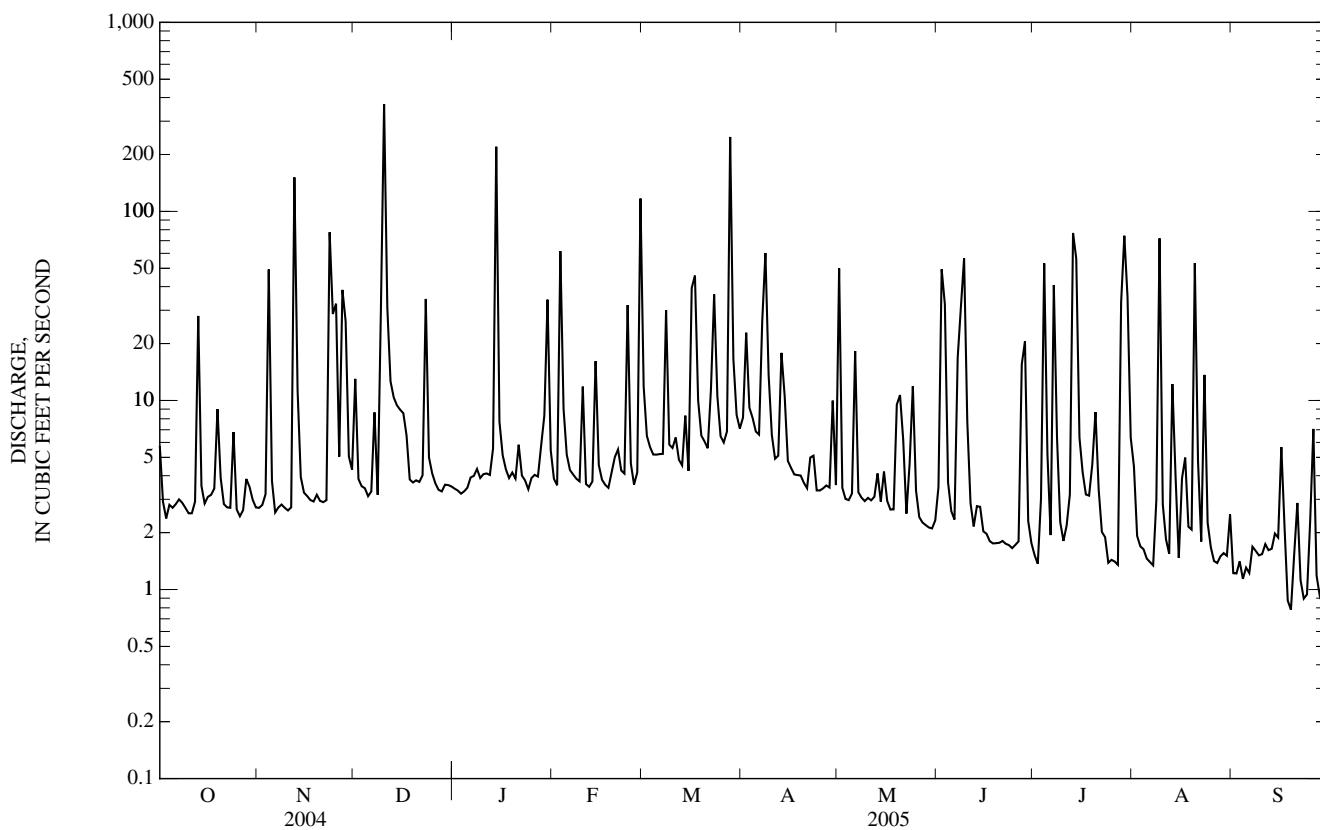
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	9.64	9.95	13.2	11.7	13.5	17.9	15.5	10.7	14.5	14.4	10.5	23.3
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	1.76
(WY)	(2001)	(2002)	(2001)	(2004)	(2002)	(2004)	(2002)	(2002)	(2002)	(2002)	(2001)	(2005)

02095181 NORTH BUFFALO CREEK AT WESTOVER TERRACE AT GREENSBORO, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1999 - 2005	
ANNUAL TOTAL	4,714.2		3,980.73		13.8	
ANNUAL MEAN	12.9		10.9		27.1	
HIGHEST ANNUAL MEAN					6.77	2003
LOWEST ANNUAL MEAN					0.00	2002
HIGHEST DAILY MEAN	400	Sep 8	369	Dec 10	500	Apr 10, 2003
LOWEST DAILY MEAN	1.3	Jul 16	0.78	Sep 19	0.01	Aug 9, 2002
ANNUAL SEVEN-DAY MINIMUM	1.7	Aug 20	1.3	Sep 18	0.01	Aug 8, 2002
MAXIMUM PEAK STAGE			11.16	Dec 10	14.07	Sep 23, 2003
INSTANTANEOUS LOW FLOW			0.70*	Sep 18	0.00*	Aug 10, 2002
ANNUAL RUNOFF (CFSM)	1.35		1.14		1.44	
ANNUAL RUNOFF (INCHES)	18.36		15.51		19.61	
10 PERCENT EXCEEDS	19		27		30	
50 PERCENT EXCEEDS	3.8		3.7		3.6	
90 PERCENT EXCEEDS	2.4		1.6		1.5	

* See REMARKS.
e Estimated.



PRECIPITATION RECORDS

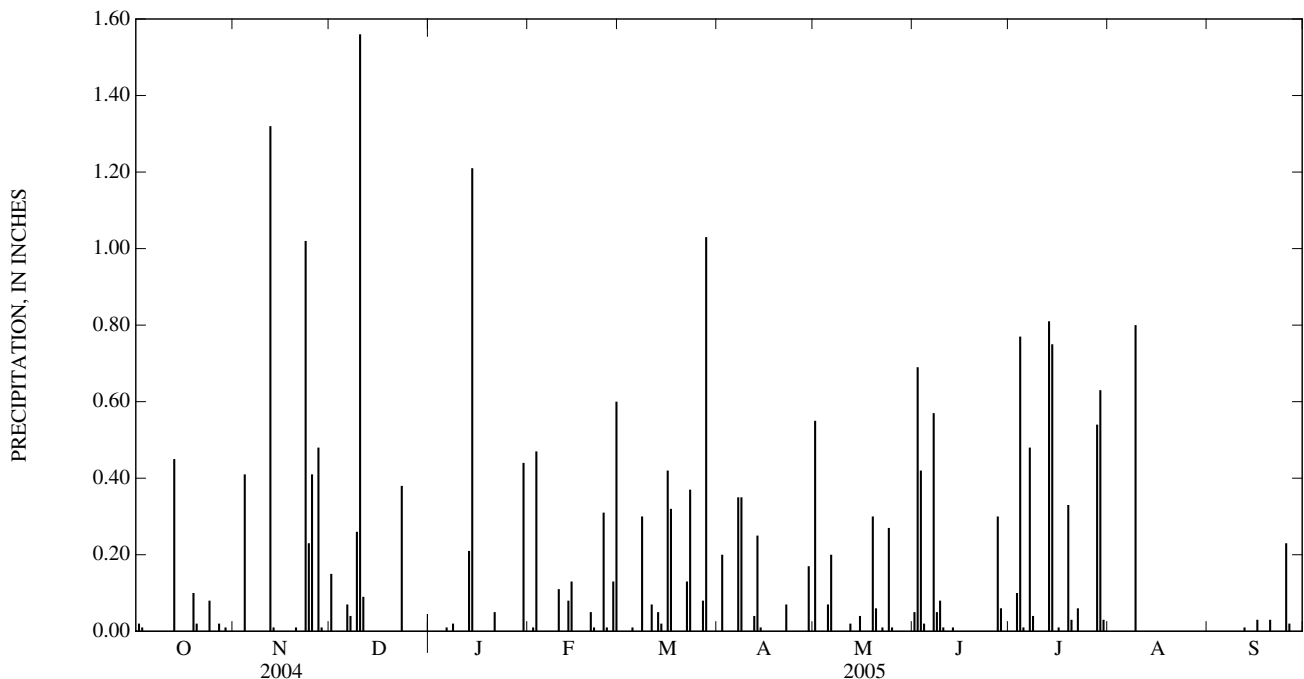
PERIOD OF RECORD.--June 1999 to current year.

GAGE.--Tipping-bucket raingage. 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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.55	0.05	0.00	0.00	0.00
2	0.02	0.00	0.00	0.00	0.01	0.00	0.20	0.00	0.69	0.00	0.00	0.00
3	0.01	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.42	0.10	0.00	0.00
4	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.77	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.07	0.00	0.01	0.00	0.00
6	0.00	0.00	0.07	0.01	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00
7	0.00	0.00	0.04	0.00	0.00	0.00	0.35	0.00	0.57	0.48	0.00	0.00
8	0.00	0.00	0.00	0.02	0.00	0.30	0.35	0.00	0.05	0.04	0.00	0.00
9	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.80	0.00
10	0.00	0.00	1.56	0.00	0.11	0.00	0.00	0.00	0.01	0.00	0.00	0.00
11	0.00	0.00	0.09	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	1.32	0.00	0.00	0.00	0.00	0.04	0.02	0.00	0.00	0.00	0.01
13	0.45	0.01	0.00	0.21	0.08	0.05	0.25	0.00	0.01	0.81	---	0.00
14	0.00	0.00	0.00	1.21	0.13	0.02	0.01	0.00	0.00	0.75	---	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	---	0.00
16	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.01	---	0.03
17	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00	0.00	---	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00
19	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.33	---	0.00
20	0.02	0.01	0.00	0.00	0.05	0.00	0.00	0.06	0.00	0.03	---	0.03
21	0.00	0.00	0.00	0.05	0.01	0.00	0.00	0.00	0.00	0.00	---	0.00
22	0.00	0.00	0.00	0.00	0.00	0.13	0.07	0.01	0.00	0.06	---	0.00
23	0.00	1.02	0.38	0.00	0.00	0.37	0.00	0.00	0.00	0.00	---	0.00
24	0.08	0.23	0.00	0.00	0.31	0.00	0.00	0.27	0.00	0.00	---	0.00
25	0.00	0.41	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.23
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
27	0.02	0.48	0.00	0.00	0.13	0.08	0.00	0.00	0.30	0.00	0.00	0.00
28	0.00	0.01	0.00	0.00	0.60	1.03	0.00	0.00	0.06	0.54	0.00	0.00
29	0.01	0.00	0.00	0.00	---	0.00	0.17	0.00	0.00	0.63	0.00	0.00
30	0.00	0.00	0.00	0.44	---	0.00	0.00	0.00	0.00	0.03	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.71	3.90	2.55	1.94	1.91	2.80	1.44	1.53	2.26	4.59	---	0.32
MEAN	0.02	0.13	0.08	0.06	0.07	0.09	0.05	0.05	0.08	0.15	---	0.01
MAX	0.45	1.32	1.56	1.21	0.60	1.03	0.35	0.55	0.69	0.81	---	0.23
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00



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 from Southern Railway bridge in Greensboro.

DRAINAGE AREA.--14.2 mi².

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 Sept. 19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	4.5	21	6.7	8.1	17	10	63	4.6	3.6	6.7	2.1
2	7.5	4.6	7.3	6.4	7.2	9.5	33	5.7	74	3.5	4.1	2.0
3	7.2	5.6	6.3	6.2	8.8	8.2	12	4.8	57	4.9	3.5	2.1
4	6.1	65	6.0	6.2	15	7.7	9.9	4.4	7.1	89	3.2	2.2
5	5.6	8.3	5.6	6.6	9.6	7.9	8.6	4.5	5.6	11	3.1	2.0
6	5.5	6.1	5.8	6.7	8.3	7.8	8.4	25	5.2	4.7	2.9	1.8
7	5.7	6.1	13	6.8	8.4	7.6	31	4.4	35	55	2.6	2.0
8	5.4	5.9	5.9	7.5	7.6	44	73	4.5	33	14	3.2	2.1
9	5.2	5.8	45	6.5	7.2	8.6	22	4.4	52	4.8	119	2.2
10	5.0	5.6	443	5.9	19	7.7	8.8	4.4	17	4.4	5.5	2.2
11	5.2	6.6	48	7.0	7.2	9.4	7.1	4.2	6.2	4.4	3.5	2.1
12	5.5	189	17	6.7	6.5	7.5	7.5	3.8	5.1	5.9	3.1	2.0
13	46	20	14	9.6	6.3	7.0	22	5.0	5.8	105	21	2.6
14	7.1	7.6	12	235	24	12	19	4.3	6.1	81	6.9	2.7
15	5.6	6.9	12	14	8.6	6.4	7.2	6.1	4.3	10	3.0	2.7
16	5.1	6.1	11	9.5	6.4	63	6.7	4.4	4.2	8.0	3.7	12
17	4.8	6.3	9.9	8.5	5.9	74	6.4	4.3	4.3	5.7	8.0	4.2
18	5.5	6.1	7.2	8.0	5.6	15	6.2	4.0	4.2	4.4	3.2	2.2
19	12	6.5	7.4	8.1	6.0	9.9	5.9	19	4.1	7.1	3.7	1.7
20	7.6	6.1	6.4	7.3	6.7	8.9	5.6	18	4.3	19	102	2.6
21	5.4	5.8	6.3	12	7.7	8.8	5.4	11	4.3	5.1	8.6	4.0
22	5.2	5.2	7.1	8.2	6.0	15	6.6	4.3	3.9	7.2	3.6	2.5
23	5.3	124	51	7.0	5.8	60	8.4	6.7	4.1	4.4	20	2.3
24	11	45	8.8	7.3	54	17	5.2	20	4.7	3.0	3.9	2.3
25	5.6	60	7.1	7.9	9.0	8.8	5.1	5.8	4.1	3.0	2.8	3.0
26	5.6	9.1	6.4	8.7	7.5	8.4	4.5	3.7	3.3	3.1	2.7	17
27	5.3	41	6.0	6.7	7.5	8.8	4.8	3.8	27	2.9	2.6	2.8
28	6.2	53	5.9	8.9	158	260	4.5	3.5	26	26	2.6	2.5
29	5.8	9.1	6.3	11	---	25	13	3.5	5.1	126	2.8	2.2
30	5.2	8.0	6.5	54	---	13	5.4	3.7	4.2	33	2.8	2.7
31	4.7	---	6.6	11	---	10	---	3.9	---	8.2	3.3	---
TOTAL	233.9	738.9	821.8	521.9	517.1	773.9	373.2	268.1	425.8	667.3	367.6	96.8
MEAN	7.55	24.6	26.5	16.8	18.5	25.0	12.4	8.65	14.2	21.5	11.9	3.23
MAX	46	189	443	235	158	260	73	63	74	126	119	17
MIN	4.7	4.5	5.6	5.9	5.6	6.4	4.5	3.5	3.3	2.9	2.6	1.7
CFSM	0.53	1.73	1.87	1.19	1.30	1.76	0.88	0.61	1.00	1.52	0.84	0.23
IN.	0.61	1.94	2.15	1.37	1.35	2.03	0.98	0.70	1.12	1.75	0.96	0.25

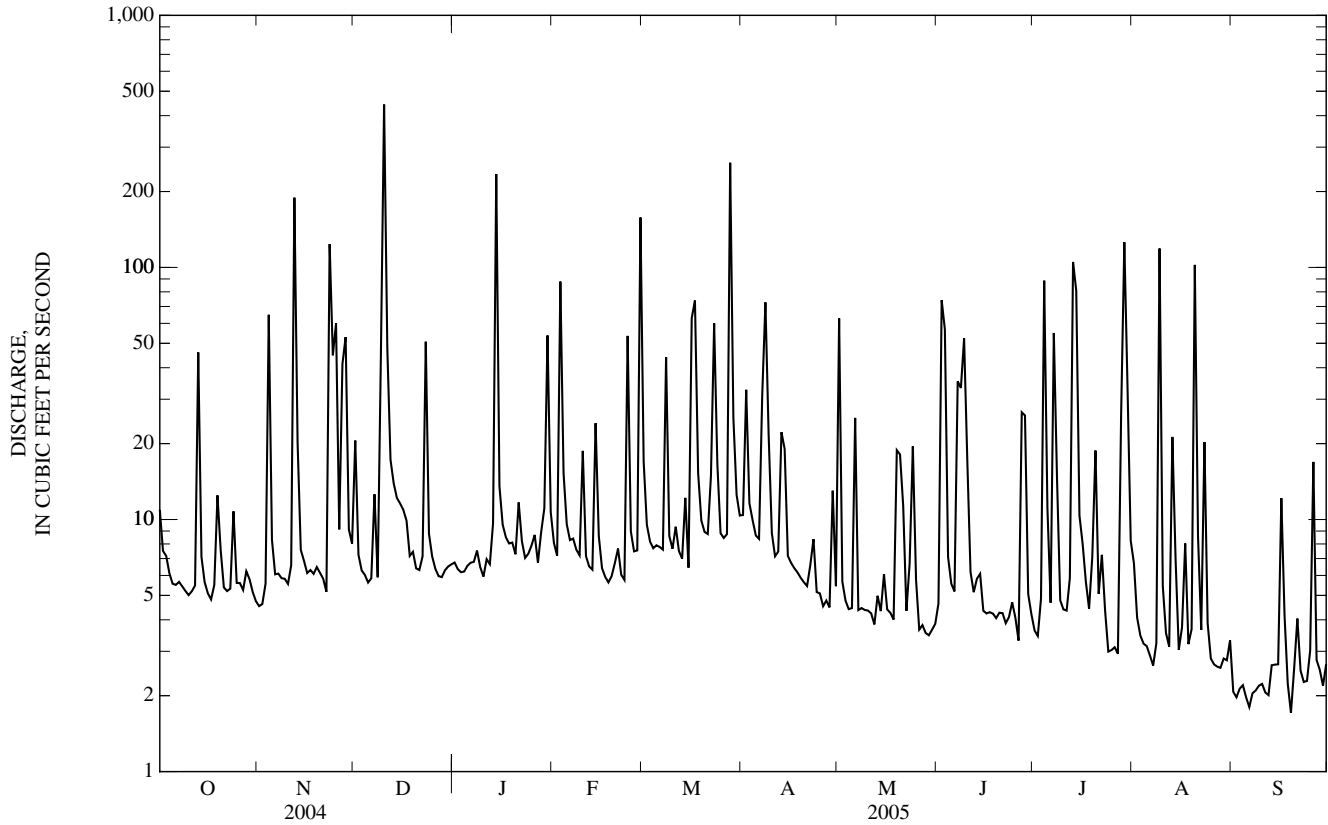
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

MEAN	15.1	14.9	19.0	19.7	21.2	27.1	24.3	17.4	21.2	23.4	17.2	31.4
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	8.65	9.73	12.9	11.2	3.23
(WY)	(1999)	(2002)	(2001)	(2004)	(2002)	(2004)	(2002)	(2005)	(2002)	(2002)	(2001)	(2005)

02095271 NORTH BUFFALO CREEK AT CHURCH STREET AT GREENSBORO, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1998 - 2005	
ANNUAL TOTAL	7,689.8		5,806.3		21.3	
ANNUAL MEAN	21.0		15.9		13.3	
HIGHEST ANNUAL MEAN					43.5	2003
LOWEST ANNUAL MEAN					13.3	2002
HIGHEST DAILY MEAN	779	Sep 8	443	Dec 10	850	Sep 23, 2003
LOWEST DAILY MEAN	2.1	Aug 9	1.7	Sep 19	1.4	Aug 2, 2002
ANNUAL SEVEN-DAY MINIMUM	2.7	Aug 4	2.0	Sep 1	1.9	Aug 1, 2002
MAXIMUM PEAK FLOW			1,990	Dec 10	NOT DETERMINED	
MAXIMUM PEAK STAGE			13.94	Dec 10	17.81	Sep 23, 2003
INSTANTANEOUS LOW FLOW			1.4*	Sep 11	1.2*	Oct 17, 1998
ANNUAL RUNOFF (CFSM)	1.48		1.12		1.50	
ANNUAL RUNOFF (INCHES)	20.15		15.21		20.39	
10 PERCENT EXCEEDS	36		33		47	
50 PERCENT EXCEEDS	6.9		6.4		7.5	
90 PERCENT EXCEEDS	4.2		3.0		3.7	

* See REMARKS.



02095271 NORTH BUFFALO CREEK AT CHURCH STREET AT GREENSBORO, NC—Continued

PRECIPITATION RECORDS

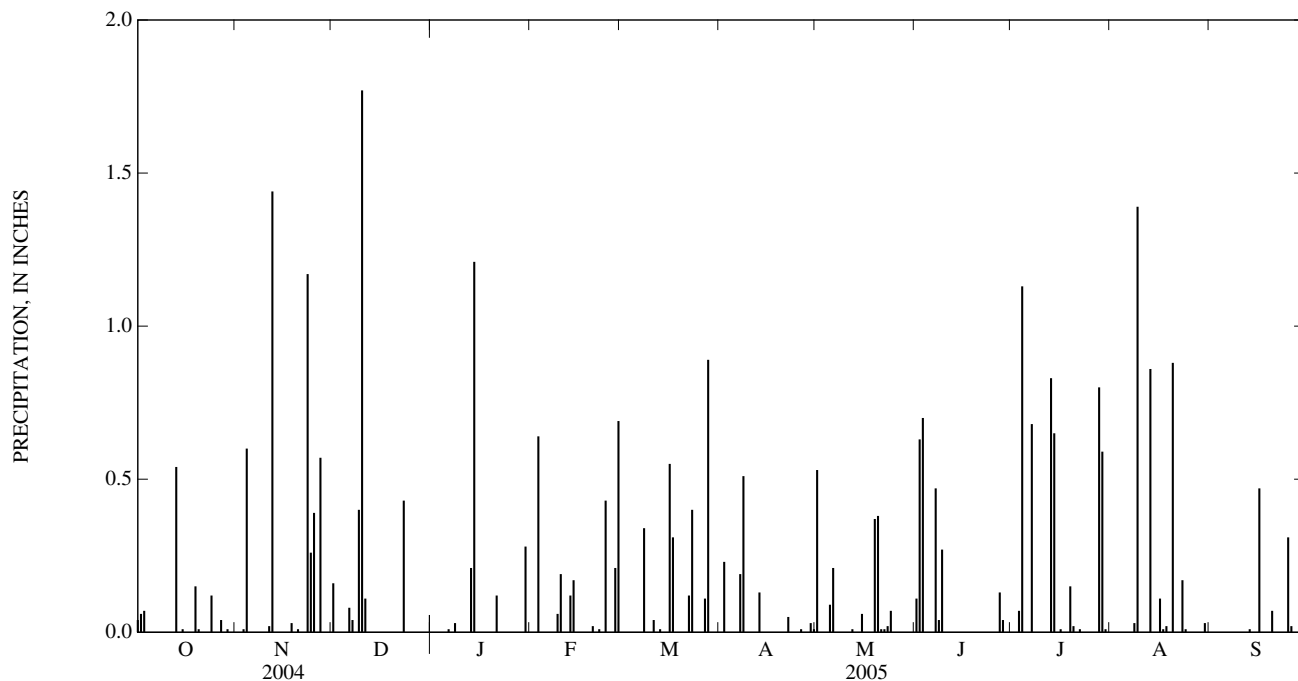
PERIOD OF RECORD.--August 1998 to current year.

GAGE.--Tipping-bucket raingage. 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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.04	0.00	0.16	0.00	0.00	0.00	0.00	0.53	0.11	0.00	0.00	0.00
2	0.06	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.63	0.00	0.00	0.00
3	0.07	0.01	0.00	0.00	0.64	0.00	0.00	0.00	0.70	0.07	0.00	0.00
4	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00
6	0.00	0.00	0.08	0.01	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00
7	0.00	0.00	0.04	0.00	0.00	0.00	0.19	0.00	0.47	0.68	0.00	0.00
8	0.00	0.00	0.00	0.03	0.00	0.34	0.51	0.00	0.04	0.00	0.03	0.00
9	0.00	0.00	0.40	0.00	0.06	0.00	0.00	0.00	0.27	0.00	1.39	0.00
10	0.00	0.00	1.77	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.02	0.11	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	1.44	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
13	0.54	0.00	0.00	0.21	0.12	0.01	0.13	0.00	0.00	0.83	0.86	0.01
14	0.00	0.00	0.00	1.21	0.17	0.00	0.00	0.00	0.00	0.65	0.00	0.00
15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.01	0.11	0.47
17	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.01	0.00
18	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
19	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.15	0.00	0.00
20	0.01	0.01	0.00	0.00	0.02	0.00	0.00	0.38	0.00	0.02	0.88	0.07
21	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.01	0.12	0.05	0.01	0.00	0.01	0.00	0.00
23	0.00	1.17	0.43	0.00	0.00	0.40	0.00	0.02	0.00	0.00	0.17	0.00
24	0.12	0.26	0.00	0.00	0.43	0.00	0.00	0.07	0.00	0.00	0.01	0.00
25	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31
26	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.02
27	0.04	0.57	0.00	0.00	0.21	0.11	0.00	0.00	0.13	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.69	0.89	0.00	0.00	0.04	0.80	0.00	0.00
29	0.01	0.00	0.00	0.00	---	0.00	0.03	0.00	0.00	0.59	0.00	0.00
30	0.00	0.00	0.00	0.28	---	0.00	0.01	0.00	0.00	0.01	0.03	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	1.05	4.50	2.99	1.86	2.54	2.77	1.16	1.76	2.39	4.95	3.51	0.88



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 mi².

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 ft³/s, from rating curve extended above 2,900 ft³/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. 9, 25.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	27	67	29	36	83	42	128	23	21	24	17
2	38	27	45	28	33	45	90	30	126	20	20	17
3	37	28	40	29	193	36	48	25	143	20	19	17
4	34	123	39	29	79	34	39	23	31	111	18	16
5	31	40	37	29	47	35	35	24	24	54	18	16
6	29	30	36	29	39	33	33	55	23	21	18	16
7	30	28	50	29	37	33	68	27	50	97	17	15
8	30	27	39	30	37	90	129	25	54	67	17	13
9	29	27	111	28	36	38	123	23	52	22	234	14
10	28	26	1,090	29	61	35	43	24	76	20	28	16
11	28	27	165	29	35	34	36	23	24	19	21	16
12	27	306	65	29	34	35	34	23	23	21	23	15
13	92	98	50	33	33	30	40	24	22	93	44	16
14	33	42	41	514	65	40	69	23	25	185	33	17
15	29	38	38	67	45	32	33	25	21	48	20	16
16	27	37	37	45	37	134	33	23	21	24	19	27
17	26	35	36	40	34	212	32	21	22	24	35	23
18	26	35	32	36	33	69	29	24	20	20	20	15
19	34	34	31	34	33	46	28	43	21	20	21	16
20	37	34	30	34	32	41	29	55	20	39	119	15
21	28	33	30	40	37	37	30	56	21	20	37	17
22	27	33	32	34	33	34	28	24	22	20	20	15
23	27	268	101	34	32	148	31	26	21	23	42	15
24	35	146	42	32	117	85	26	40	20	17	21	16
25	30	188	32	34	44	45	25	30	21	17	19	15
26	27	57	31	34	32	39	24	23	19	17	18	44
27	27	56	30	33	31	37	24	22	29	17	17	18
28	29	193	30	31	365	480	24	21	61	18	17	16
29	28	59	30	34	---	117	39	21	22	244	18	16
30	29	47	30	121	---	52	28	22	21	51	18	15
31	27	---	30	49	---	46	---	22	---	38	19	---
TOTAL	1,002	2,149	2,497	1,626	1,670	2,255	1,292	975	1,078	1,428	1,014	520
MEAN	32.3	71.6	80.5	52.5	59.6	72.7	43.1	31.5	35.9	46.1	32.7	17.3
MAX	92	306	1,090	514	365	480	129	128	143	244	234	44
MIN	26	26	30	28	31	30	24	21	19	17	17	13
CFSM	0.87	1.93	2.17	1.41	1.61	1.96	1.16	0.85	0.97	1.24	0.88	0.47
IN.	1.00	2.15	2.50	1.63	1.67	2.26	1.30	0.98	1.08	1.43	1.02	0.52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2005, @ BY WATER YEAR (WY)

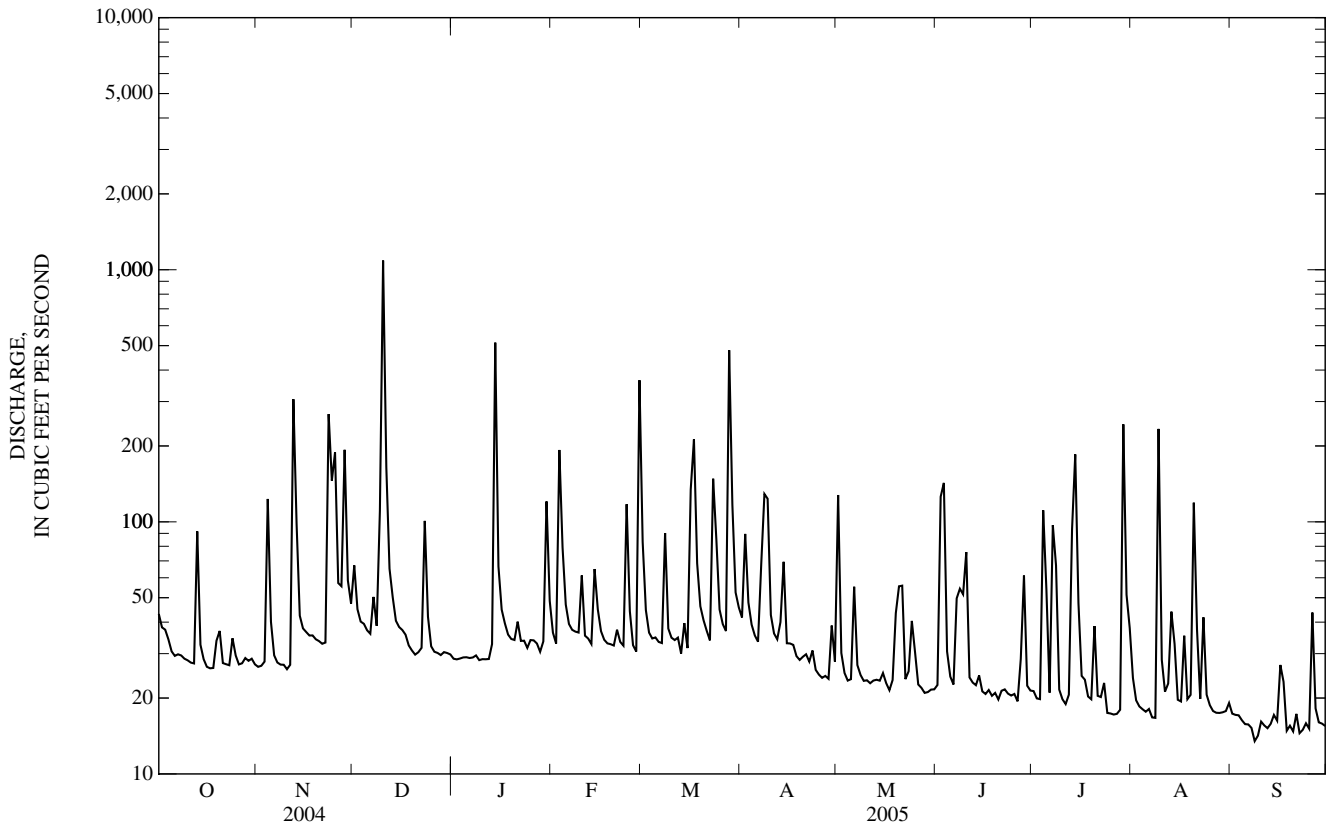
MEAN	43.3	43.6	56.8	70.3	82.2	79.6	66.6	52.9	50.8	51.5	43.5	51.2
MAX	154	120	129	205	185	231	206	177	192	231	112	247
(WY)	(1960)	(1986)	(1973)	(1978)	(1979)	(1975)	(1987)	(1978)	(1982)	(1984)	(1984)	(1979)
MIN	7.71	8.73	13.1	17.3	22.0	31.4	20.3	16.2	10.2	11.2	7.82	8.63
(WY)	(1931)	(1932)	(1934)	(1934)	(1931)	(1931)	(1942)	(1938)	(1933)	(1932)	(1932)	(1930)

02095500 NORTH BUFFALO CREEK NEAR GREENSBORO, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1928 - 2005 [@]	
ANNUAL TOTAL	20,378		17,506		57.5	
ANNUAL MEAN	55.7		48.0		30.6	
HIGHEST ANNUAL MEAN					109	2003
LOWEST ANNUAL MEAN					30.6	1938
HIGHEST DAILY MEAN	1,320	Sep 28	1,090	Dec 10	4,400	Sep 22, 1979
LOWEST DAILY MEAN	17	Sep 4	13	Sep 8	3.4	Aug 28, 1932
ANNUAL SEVEN-DAY MINIMUM	19	Aug 23	15	Sep 6	6.2	Aug 28, 1930
MAXIMUM PEAK FLOW			3,070	Dec 10	9,140*	Sep 22, 1979
MAXIMUM PEAK STAGE			12.21	Dec 10	20.12*	Sep 22, 1979
INSTANTANEOUS LOW FLOW			11*	Sep 8	1.6	Aug 28, 1932
ANNUAL RUNOFF (CFSM)	1.50		1.29		1.55	
ANNUAL RUNOFF (INCHES)	20.43		17.55		21.05	
10 PERCENT EXCEEDS	86		87		100	
50 PERCENT EXCEEDS	32		31		31	
90 PERCENT EXCEEDS	23		18		16	

[@] See PERIOD OF RECORD.

* See REMARKS.



PRECIPITATION RECORDS

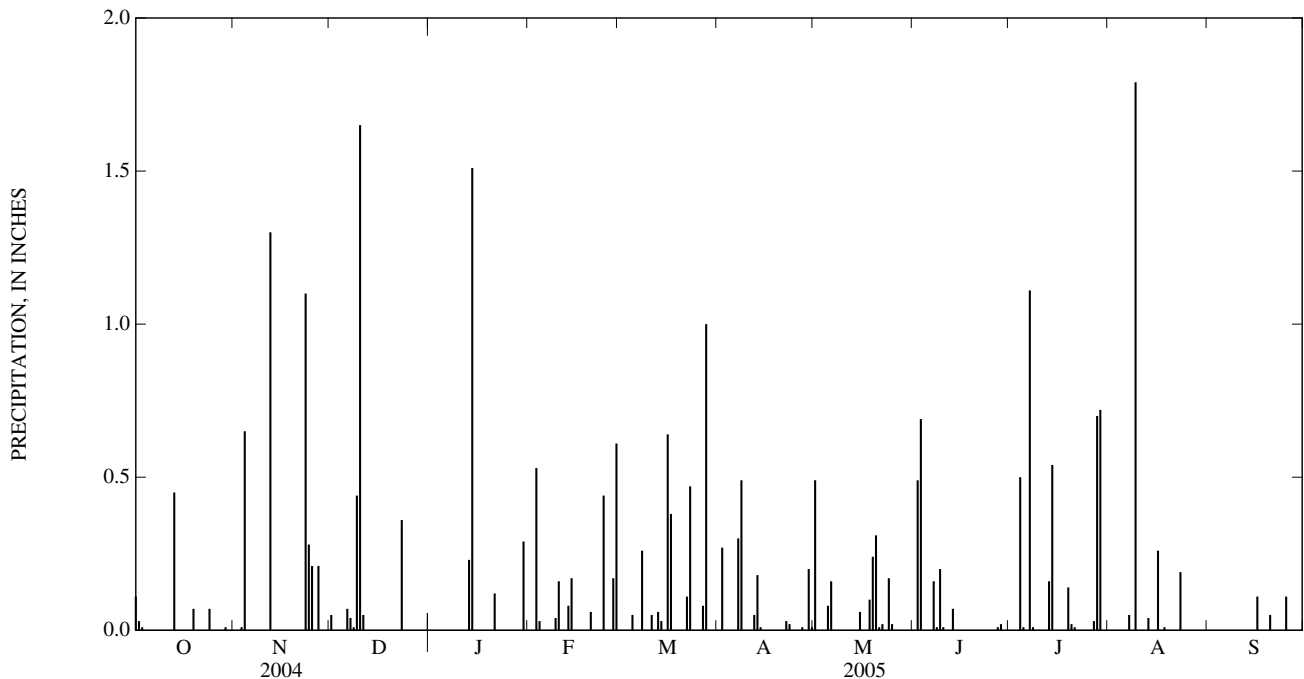
PERIOD OF RECORD.--August 1998 to current year.

GAGE.--Tipping-bucket raingage. 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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.11	0.00	0.05	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.00	0.00
2	0.03	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.49	0.00	0.00	0.00
3	0.01	0.01	0.00	0.00	0.53	0.00	0.00	0.00	0.69	0.00	0.00	0.00
4	0.00	0.65	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.50	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.08	0.00	0.01	0.00	0.00
6	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00
7	0.00	0.00	0.04	0.00	0.00	0.00	0.30	0.00	0.16	1.11	0.05	0.00
8	0.00	0.00	0.01	0.00	0.00	0.26	0.49	0.00	0.01	0.01	0.00	0.00
9	0.00	0.00	0.44	0.00	0.04	0.00	0.00	0.00	0.20	0.00	1.79	0.00
10	0.00	0.00	1.65	0.00	0.16	0.00	0.00	0.00	0.01	0.00	0.00	0.00
11	0.00	0.00	0.05	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	1.30	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00
13	0.45	0.00	0.00	0.23	0.08	0.06	0.18	0.00	0.07	0.16	0.04	0.00
14	0.00	0.00	0.00	1.51	0.17	0.03	0.01	0.00	0.00	0.54	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.64	0.00	0.00	0.00	0.00	0.26	0.11
17	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.01	0.00
19	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.14	0.00	0.00
20	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.31	0.00	0.02	0.00	0.05
21	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.11	0.03	0.02	0.00	0.00	0.00	0.00
23	0.00	1.10	0.36	0.00	0.00	0.47	0.02	0.00	0.00	0.00	0.19	0.00
24	0.07	0.28	0.00	0.00	0.44	0.00	0.00	0.17	0.00	0.00	0.00	0.00
25	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.11
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.21	0.00	0.00	0.17	0.08	0.01	0.00	0.01	0.03	0.00	0.00
28	0.00	0.00	0.00	0.00	0.61	1.00	0.00	0.00	0.02	0.70	0.00	0.00
29	0.01	0.00	0.00	0.00	---	0.00	0.20	0.00	0.00	0.72	0.00	0.00
30	0.00	0.00	0.00	0.29	---	0.00	0.01	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.75	3.76	2.67	2.15	2.29	3.13	1.57	1.66	1.66	3.95	2.34	0.27

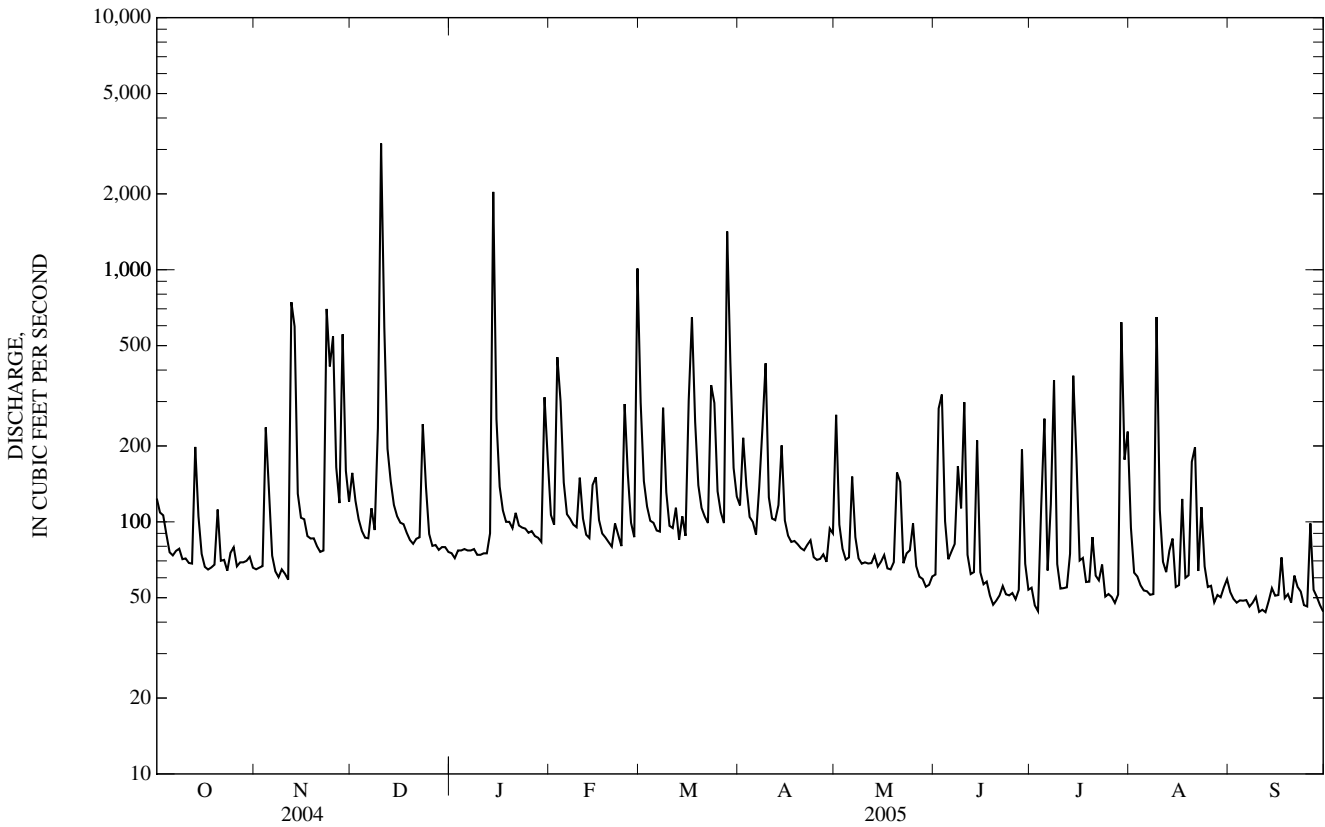


0209553650 BUFFALO CREEK AT SECONDARY ROAD 2819 NEAR McLEANSVILLE, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1998 - 2005	
ANNUAL TOTAL	58,579		49,166		168	
ANNUAL MEAN	160		135		349	
HIGHEST ANNUAL MEAN					100	2002
LOWEST ANNUAL MEAN					4,550	Mar 20, 2003
HIGHEST DAILY MEAN	3,530	Sep 28	3,170	Dec 10	37	Aug 10, 2002
LOWEST DAILY MEAN	45	Aug 25	44	Jul 3	40	Aug 8, 2002
ANNUAL SEVEN-DAY MINIMUM	49	Aug 23	47	Sep 6	6,720	Mar 20, 2003
MAXIMUM PEAK FLOW			5,140	Dec 10	19.35	Mar 20, 2003
MAXIMUM PEAK STAGE			16.39	Dec 10	22	Jul 21, 2002
INSTANTANEOUS LOW FLOW			32*	Jul 3	1.90	
ANNUAL RUNOFF (CFSM)	1.81		1.52		25.84	
ANNUAL RUNOFF (INCHES)	24.62		20.67		81	
10 PERCENT EXCEEDS	218		236		54	
50 PERCENT EXCEEDS	83		82			
90 PERCENT EXCEEDS	60		51			

* See REMARKS.

e Estimated



0209553650 BUFFALO CREEK AT SECONDARY ROAD 2819 NEAR McLEANSVILLE, NC—Continued

PRECIPITATION RECORDS

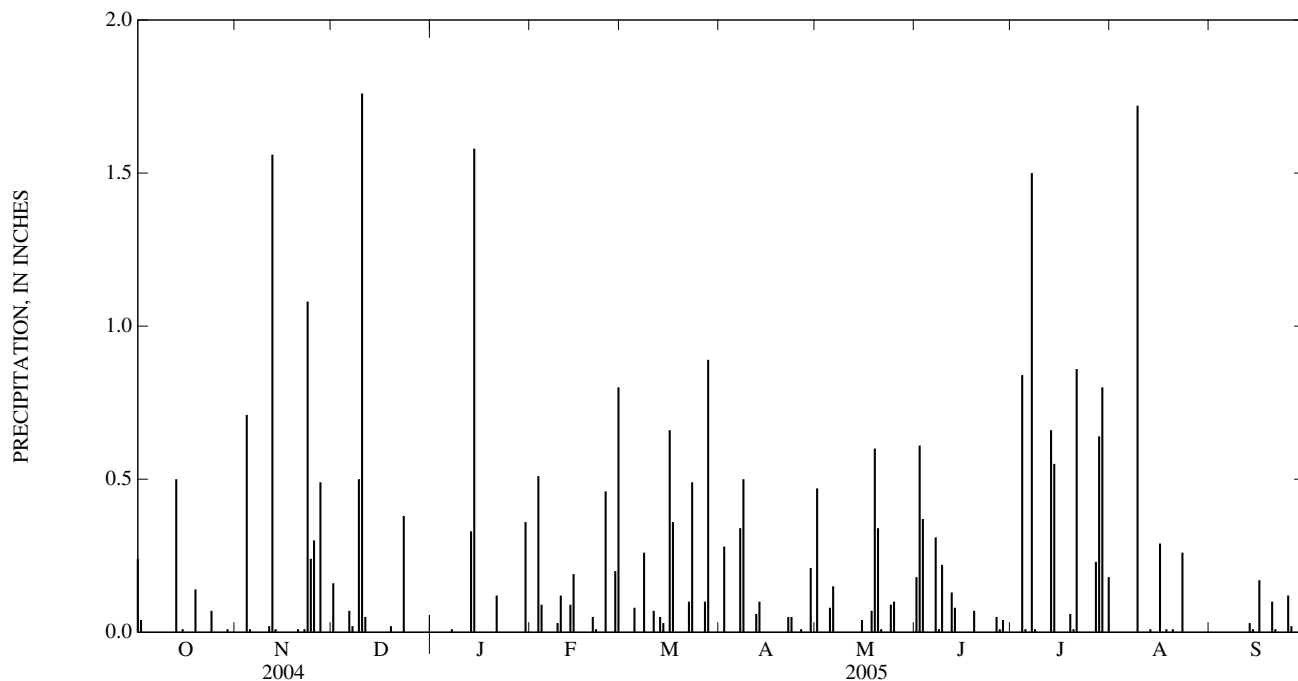
PERIOD OF RECORD.--August 1998 to current year.

GAGE.--Tipping-bucket raingage. 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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.24	0.00	0.16	0.00	0.00	0.00	0.00	0.47	0.18	0.00	0.00	0.00
2	0.04	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.61	0.00	0.00	0.00
3	0.00	0.00	0.00	---	0.51	0.00	0.00	0.00	0.37	0.00	0.00	0.00
4	0.00	0.71	0.00	---	0.09	0.00	0.00	0.00	0.00	0.84	0.00	0.00
5	0.00	0.01	0.00	---	0.00	0.08	0.00	0.08	0.00	0.01	0.00	0.00
6	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00
7	0.00	0.00	0.02	0.01	0.00	0.00	0.34	0.00	0.31	1.50	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.26	0.50	0.00	0.01	0.01	0.00	0.00
9	0.00	0.00	0.50	0.00	0.03	0.00	0.00	0.00	0.22	0.00	1.72	0.00
10	0.00	0.00	1.76	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.02	0.05	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	1.56	0.00	0.00	0.00	0.00	0.06	0.00	0.13	0.00	0.00	0.00
13	0.50	0.01	0.00	0.33	0.09	0.05	0.10	0.00	0.08	0.66	0.01	0.03
14	0.00	0.00	0.00	1.58	0.19	0.03	0.00	0.00	0.00	0.55	0.00	0.01
15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.66	0.00	0.00	0.00	0.00	0.29	0.17
17	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.01	0.00
19	0.14	0.00	0.02	0.00	0.00	0.00	0.00	0.60	0.07	0.06	0.00	0.00
20	0.00	0.01	0.00	0.00	0.05	0.00	0.00	0.34	0.00	0.01	0.01	0.10
21	0.00	0.00	0.00	0.12	0.01	0.00	0.00	0.01	0.00	0.86	0.00	0.01
22	0.00	0.01	0.00	0.00	0.00	0.10	0.05	0.00	0.00	0.00	0.00	0.00
23	0.00	1.08	0.38	0.00	0.00	0.49	0.05	0.00	0.00	0.00	0.26	0.00
24	0.07	0.24	0.00	0.00	0.46	0.00	0.00	0.09	0.00	0.00	0.00	0.00
25	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.12
26	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.05	0.00	0.00	0.02
27	0.00	0.49	0.00	0.00	0.20	0.10	0.00	0.00	0.01	0.23	0.00	0.00
28	0.00	0.00	0.00	0.00	0.80	0.89	0.00	0.00	0.04	0.64	0.00	0.00
29	0.01	0.00	0.00	0.00	---	0.00	0.21	0.00	0.00	0.80	0.00	0.00
30	0.00	0.00	0.00	0.36	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.18	0.00	---
TOTAL	1.01	4.44	2.96	---	2.55	3.09	1.60	1.95	2.08	6.35	2.30	0.46



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 mi².

WATER-DISCHARGE RECORDS

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 4.9 ft³/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 ft³/s, by logarithmic plotting; maximum gage height, 32.83 ft, from flood mark. Minimum discharge for current water year also occurred Sept. 12.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,320	179	754	260	593	2,690	1,270	503	171	139	269	102
2	1,160	179	721	257	530	1,340	1,080	659	217	131	204	97
3	799	180	465	254	580	844	1,110	399	578	116	163	93
4	474	313	374	260	1,640	636	671	330	576	136	146	103
5	347	671	327	419	1,080	546	512	281	354	440	132	102
6	280	346	301	292	840	523	437	283	305	254	121	96
7	242	274	314	258	479	440	531	381	277	211	113	90
8	215	238	794	252	423	521	1,520	284	306	1,140	111	88
9	205	209	394	244	428	870	1,600	257	813	442	359	87
10	193	188	8,580	231	434	552	721	238	907	351	767	87
11	183	179	6,610	231	453	428	518	227	705	272	251	85
12	174	1,190	2,990	229	364	412	481	220	550	215	234	82
13	210	4,220	1,630	261	349	379	721	234	410	195	242	83
14	557	1,210	1,160	5,790	375	351	641	224	419	2,330	212	85
15	257	850	772	3,750	551	387	509	210	333	1,220	167	93
16	197	692	533	1,320	458	532	397	222	251	442	141	91
17	164	498	459	929	420	2,150	349	215	207	315	189	94
18	157	383	429	661	348	1,970	322	197	179	274	201	113
19	165	332	377	458	306	1,070	303	218	154	e260	135	89
20	259	300	340	396	280	833	295	1,320	144	e240	133	91
21	278	267	300	394	282	596	294	1,060	135	e200	441	101
22	241	249	295	427	325	474	292	521	133	e230	192	99
23	224	594	406	425	295	694	297	352	132	e260	140	98
24	212	2,600	967	330	373	2,070	301	296	124	e200	193	89
25	221	2,230	455	297	771	1,230	280	271	118	e140	137	88
26	209	1,500	361	299	452	1,010	260	239	115	119	124	87
27	195	923	314	299	363	881	252	199	115	115	130	139
28	191	2,140	284	286	1,900	3,840	245	182	162	117	124	96
29	188	1,400	269	254	---	4,570	248	186	244	511	118	88
30	187	921	272	397	---	2,090	315	179	156	627	103	82
31	188	---	265	896	---	1,380	---	171	---	430	102	---
TOTAL	9,892	25,455	32,512	21,056	15,692	36,309	16,772	10,558	9,290	12,072	6,094	2,818
MEAN	319	848	1,049	679	560	1,171	559	341	310	389	197	93.9
MAX	1,320	4,220	8,580	5,790	1,900	4,570	1,600	1,320	907	2,330	767	139
MIN	157	179	265	229	280	351	245	171	115	115	102	82
CFSM	0.53	1.40	1.73	1.12	0.92	1.93	0.92	0.56	0.51	0.64	0.32	0.16
IN.	0.61	1.56	2.00	1.29	0.96	2.23	1.03	0.65	0.57	0.74	0.37	0.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2005, BY WATER YEAR (WY)

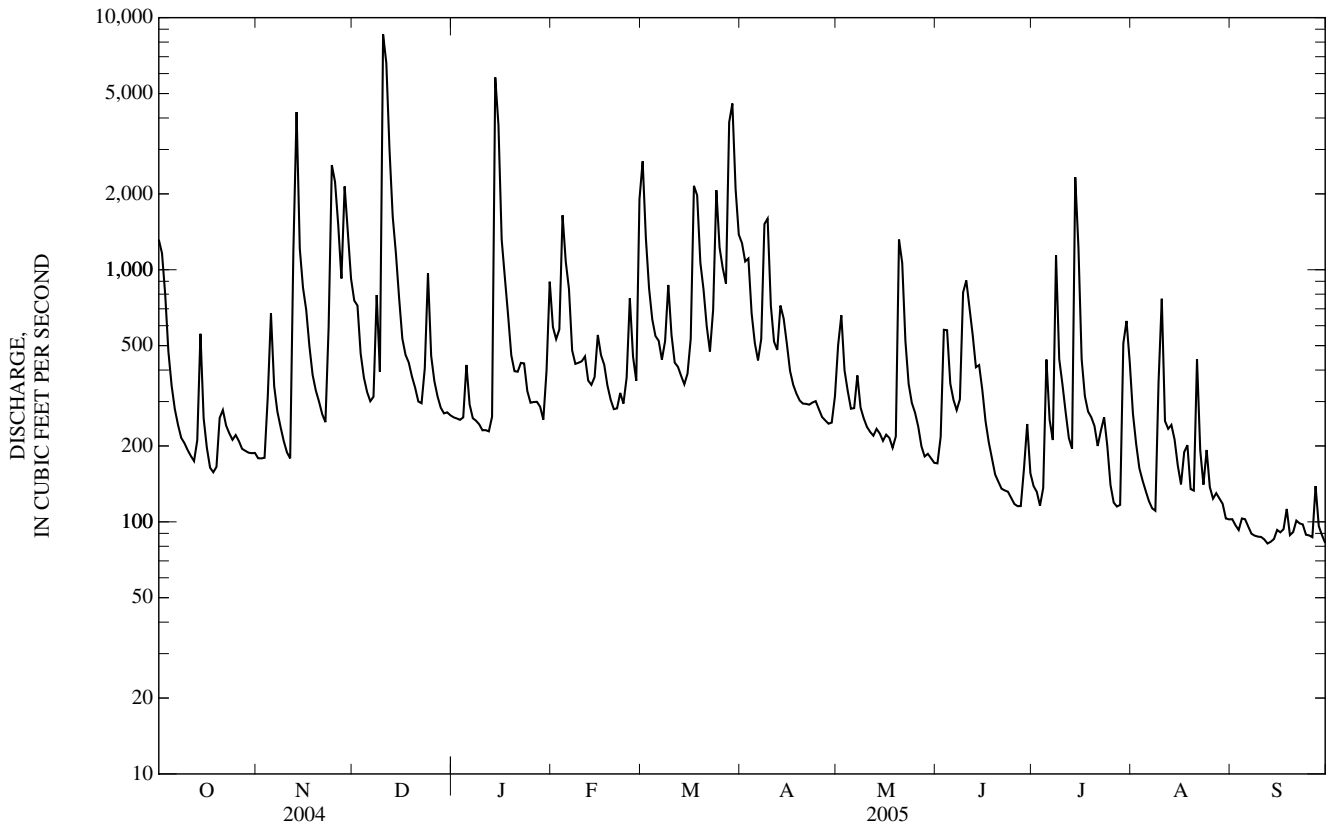
MEAN	395	412	582	886	998	1,025	828	490	427	394	357	450
MAX	2,480	1,286	1,553	2,977	2,492	3,276	2,771	1,948	2,145	2,348	1,662	4,373
(WY)	(1960)	(1948)	(2003)	(1937)	(1998)	(1993)	(1987)	(1978)	(1982)	(1984)	(1939)	(1996)
MIN	48.9	61.1	118	172	236	289	164	107	74.5	70.9	57.2	33.4
(WY)	(1942)	(1954)	(1934)	(1956)	(2002)	(1967)	(2002)	(2002)	(2002)	(1932)	(1953)	(1954)

02096500 HAW RIVER AT HAW RIVER, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1929 - 2005	
ANNUAL TOTAL	212,959		198,520		602	
ANNUAL MEAN	582		544		1,489	
HIGHEST ANNUAL MEAN					2003	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	8,580	Dec 10	8,580	Dec 10	42,000	Sep 7, 1996
LOWEST DAILY MEAN	102	Jul 17	82	Sep 12	5.0	Sep 6, 1930
ANNUAL SEVEN-DAY MINIMUM	132	Aug 23	85	Sep 8	16	Oct 7, 1954
MAXIMUM PEAK FLOW			12,900	Dec 10	51,400*	Sep 6, 1996
MAXIMUM PEAK STAGE			19.65	Dec 10	32.83*	Sep 6, 1996
INSTANTANEOUS LOW FLOW			75*	Sep 11	3.0	Sep 5, 1930
ANNUAL RUNOFF (CFSM)	0.960		0.898		0.993	
ANNUAL RUNOFF (INCHES)	13.07		12.19		13.49	
10 PERCENT EXCEEDS	1,150		1,150		1,260	
50 PERCENT EXCEEDS	312		296		296	
90 PERCENT EXCEEDS	165		116		101	

* See REMARKS.

e Estimated.



CAPE FEAR RIVER BASIN

02096500 HAW RIVER AT HAW RIVER, NC—Continued

PRECIPITATION RECORDS

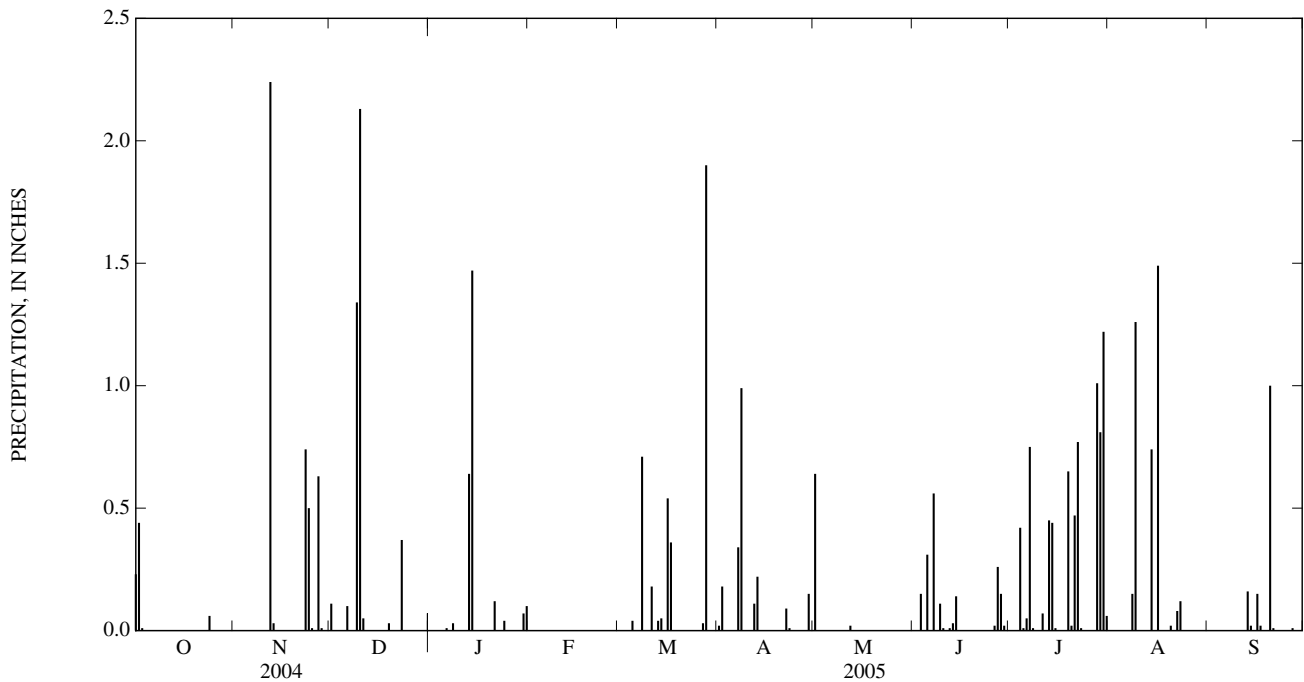
PERIOD OF RECORD.--August 1998 to current year. Records for August 1998 to September 2003 are unpublished and available in the USGS Water Science Center in Raleigh, NC.

GAGE.--Tipping bucket raingage. 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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

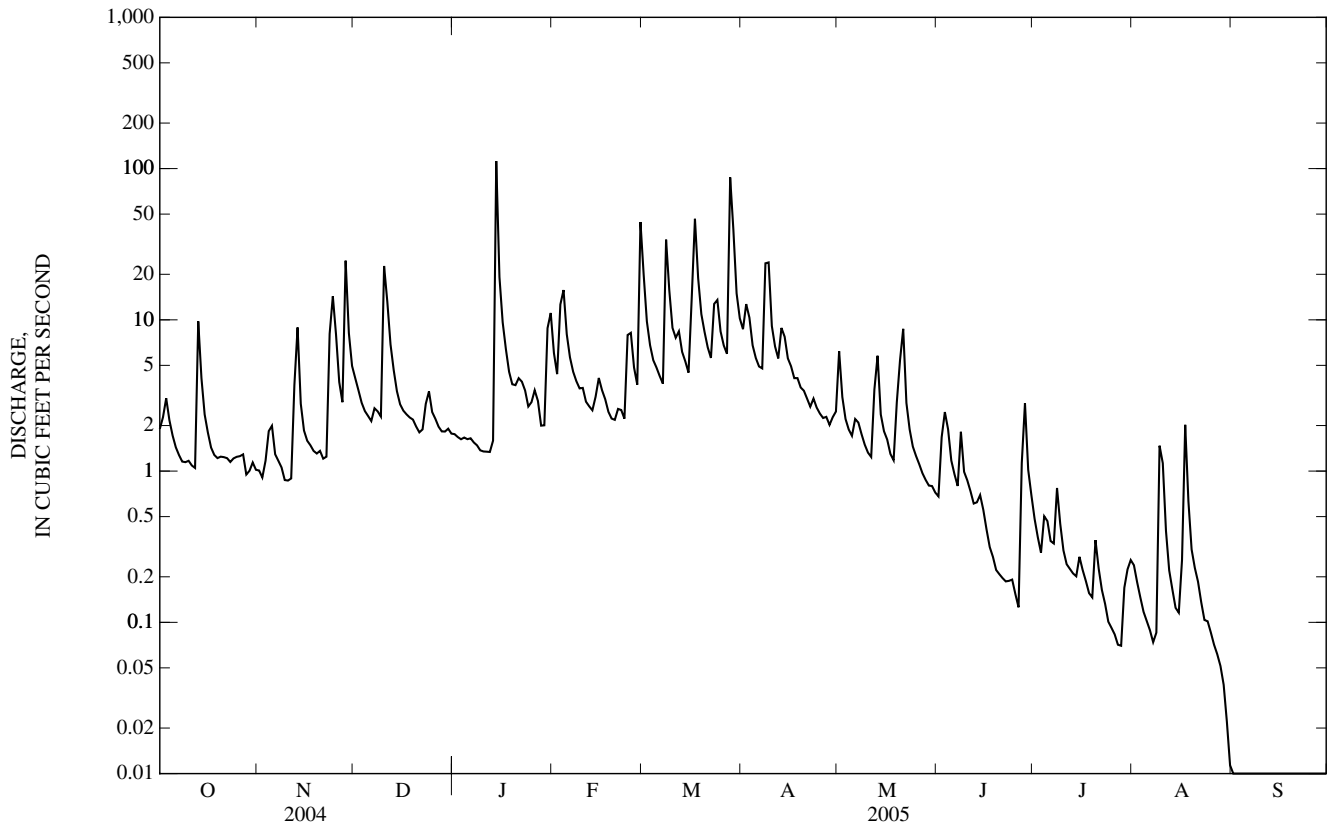
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.23	0.00	0.11	0.00	0.00	---	0.02	0.64	---	0.00	0.00	0.00
2	0.44	0.00	0.00	0.00	0.00	---	0.18	0.00	---	0.00	0.00	0.00
3	0.01	0.00	0.00	0.00	0.00	---	0.00	0.00	0.15	0.00	0.00	0.00
4	---	---	0.00	0.00	---	0.00	0.00	0.00	0.00	0.42	0.00	0.00
5	---	---	0.00	0.00	---	0.04	0.00	0.00	0.31	0.01	0.00	0.00
6	---	0.00	0.10	0.01	---	0.00	0.00	0.00	0.00	0.05	0.00	0.00
7	---	---	0.00	0.00	---	0.00	0.34	0.00	0.56	0.75	0.00	0.00
8	---	---	0.00	0.03	---	0.71	0.99	0.00	0.00	0.01	0.15	0.00
9	---	---	1.34	0.00	---	0.00	0.00	0.00	0.11	0.00	1.26	0.00
10	---	0.00	2.13	0.00	---	0.00	0.00	0.00	0.01	0.00	0.00	0.00
11	---	0.00	0.05	0.00	---	0.18	0.00	0.00	0.00	0.07	0.00	0.00
12	---	2.24	0.00	0.00	---	0.00	0.11	0.02	0.01	0.00	0.00	0.00
13	---	0.03	0.00	0.64	---	0.04	0.22	0.00	0.03	0.45	0.00	0.16
14	---	0.00	0.00	1.47	---	0.05	0.00	0.00	0.14	0.44	0.74	0.02
15	---	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.01	0.00	0.00
16	---	0.00	0.00	0.00	---	0.54	0.00	0.00	0.00	0.00	1.49	0.15
17	---	0.00	0.00	0.00	---	0.36	0.00	0.00	0.00	0.00	0.00	0.02
18	---	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	---	0.00	0.03	0.00	---	0.00	0.00	---	0.00	0.65	0.00	0.00
20	---	0.00	0.00	0.00	---	0.00	0.00	---	0.00	0.02	0.02	1.00
21	---	0.00	0.00	0.12	---	0.00	0.00	---	0.00	0.47	0.00	0.01
22	0.00	0.00	0.00	0.00	---	---	0.09	---	0.00	0.77	0.08	0.00
23	0.00	0.74	0.37	0.00	---	---	0.01	---	0.00	0.01	0.12	0.00
24	0.06	0.50	0.00	0.04	---	0.00	0.00	---	0.00	0.00	0.00	0.00
25	0.00	0.01	0.00	0.00	---	0.00	0.00	---	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	---	0.00	0.00	---	0.02	0.00	0.00	0.00
27	0.00	0.63	0.00	0.00	---	0.03	0.00	---	0.26	0.00	0.00	0.01
28	0.00	0.01	0.00	0.00	---	1.90	0.00	---	0.15	1.01	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.15	---	0.02	0.81	0.00	0.00
30	0.00	0.00	0.00	0.07	---	0.00	0.00	---	0.00	1.22	0.00	0.00
31	0.00	---	0.00	0.10	---	0.00	---	---	---	0.06	0.00	---
TOTAL	---	---	4.13	2.48	---	---	2.11	---	---	7.23	3.86	1.37



02096846 CANE CREEK NEAR ORANGE GROVE, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1989 - 2005	
ANNUAL TOTAL	1,529.56		1,443.86		6.60	
ANNUAL MEAN	4.18		3.96		0.99	
HIGHEST ANNUAL MEAN					14.3	2003
LOWEST ANNUAL MEAN					0.99	2002
HIGHEST DAILY MEAN	163	Aug 30	112	Jan 14	516	Mar 4, 1993
LOWEST DAILY MEAN	0.03	Jul 16	0.00	Sep 1	0.00	Sep 17, 1990
ANNUAL SEVEN-DAY MINIMUM	0.05	Jul 13	0.00	Sep 1	0.00	Sep 17, 1990
MAXIMUM PEAK FLOW			388	Jan 14	2,060*	Sep 6, 1996
MAXIMUM PEAK STAGE			3.93	Jan 14	7.90*	Sep 6, 1996
INSTANTANEOUS LOW FLOW			0.00*	Sep 2	0.00*	Sep 17, 1990
ANNUAL RUNOFF (CFSM)	0.554		0.525		0.875	
ANNUAL RUNOFF (INCHES)	7.55		7.12		11.89	
10 PERCENT EXCEEDS	8.2		8.7		12	
50 PERCENT EXCEEDS	1.8		1.7		1.8	
90 PERCENT EXCEEDS	0.19		0.07		0.07	

* See REMARKS.



CAPE FEAR RIVER BASIN

02096846 CANE CREEK NEAR ORANGE GROVE, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Molybdenum, water, unfltrd recover-able, ug/L (01062)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover-able, ug/L (01077)	Zinc, water, unfltrd recover-able, ug/L (01092)	Suspended sediment concentration mg/L (80154)
OCT 18...	<.2	.51	E.3	<.16	4	3
DEC 09...	--	--	--	--	--	3
FEB 08...	--	--	--	--	--	5
MAR 28...	<.2	2.24	E.2	<.16	33	1,080
APR 13...	<.2	.22	.5	<.16	E1	11
JUN 16...	--	--	--	--	--	7
JUN 16...	--	--	--	--	--	8
AUG 10...	--	--	--	--	--	12

Remark codes used in this table:

< -- Less than.
E -- Estimated.

Medium codes used in this table:

9 -- Surface water.
R -- Quality-control sample, surface water.

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 mi².

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 2004 TO SEPTEMBER 2005

Date	Time	Medium code	Color, water, fltrd, Pt-Co units (00080)	Sam-pling depth, meters (00098)	Trans-parency Secchi disc, meters (00078)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unfltrd 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)
OCT													
22...	0945	9	20	1.0	.60	754	5.7	61	6.9	91	18.5	27	6.69
22...	0950	9	--	6.0	--	754	5.6	60	7.0	84	18.3	--	--
22...	0955	9	--	12.0	--	754	.3	3	7.3	138	9.8	--	--
APR													
15...	0930	9	30	1.0	.90	755	8.8	89	7.6	77	15.3	26	6.26
15...	0935	9	--	7.0	--	755	6.2	56	6.8	77	10.3	--	--
15...	0940	9	--	13.0	--	755	5.1	44	7.0	80	8.6	--	--
JUN													
17...	0945	9	15	1.0	3.10	746	7.5	97	8.6	103	27.1	25	6.07
17...	0950	9	--	6.0	--	746	.1	1	6.4	92	13.1	--	--
17...	0955	9	--	13.0	--	746	.3	3	6.7	117	9.5	--	--
AUG													
12...	1115	9	10	1.0	2.00	753	8.0	106	8.5	89	29.5	28	6.57
12...	1116	R	--	1.0	2.00	753	8.0	106	8.5	89	29.5	--	--
12...	1117	R	--	1.0	2.00	753	8.0	106	8.5	89	29.5	--	--
12...	1118	R	--	1.0	2.00	753	8.0	106	8.5	89	29.5	--	--
12...	1119	R	--	1.0	2.00	753	8.0	106	8.5	89	29.5	--	--
12...	1120	9	--	6.0	--	753	.2	2	6.2	99	13.8	--	--
12...	1125	9	--	12.0	--	753	.2	2	6.5	132	10.0	--	--

Date	Magnes-ium, water, fltrd, mg/L (00925)	Potas-ium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd, titr., mg/L as CaCO3 (00419)	Bicar-bonate, wat unfltrd, titr., 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)
OCT													
22...	2.48	2.73	4.10	30	37	5.22	E.1	8.52	2.9	61	.71	.055	.016
22...	--	--	--	--	--	--	--	--	--	--	.70	.056	.017
22...	--	--	--	--	--	--	--	--	--	--	1.8	1.37	E.008
APR													
15...	2.55	1.97	4.63	23	28	5.84	E.1	8.54	4.3	69	.55	.014	.325
15...	--	--	--	--	--	--	--	--	--	--	.49	.034	.340
15...	--	--	--	--	--	--	--	--	--	--	.63	.235	.359
JUN													
17...	2.49	1.86	4.87	22	27	5.98	E.1	5.56	4.2	60	.51	.011	.037
17...	--	--	--	--	--	--	--	--	--	--	.57	.129	.176
17...	--	--	--	--	--	--	--	--	--	--	1.2	.658	E.013
AUG													
12...	2.71	1.86	5.05	24	30	6.17	E.1	6.02	3.6	56	.44	E.008	<.016
12...	--	--	--	24	--	--	--	--	--	--	--	--	--
12...	--	--	--	24	--	--	--	--	--	--	--	--	--
12...	--	--	--	24	--	--	--	--	--	--	--	--	--
12...	--	--	--	24	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	.66	.182	<.016
12...	--	--	--	--	--	--	--	--	--	--	1.8	1.19	<.016

0209684980 CANE CREEK RESERVOIR AT DAM NEAR WHITE CROSS, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

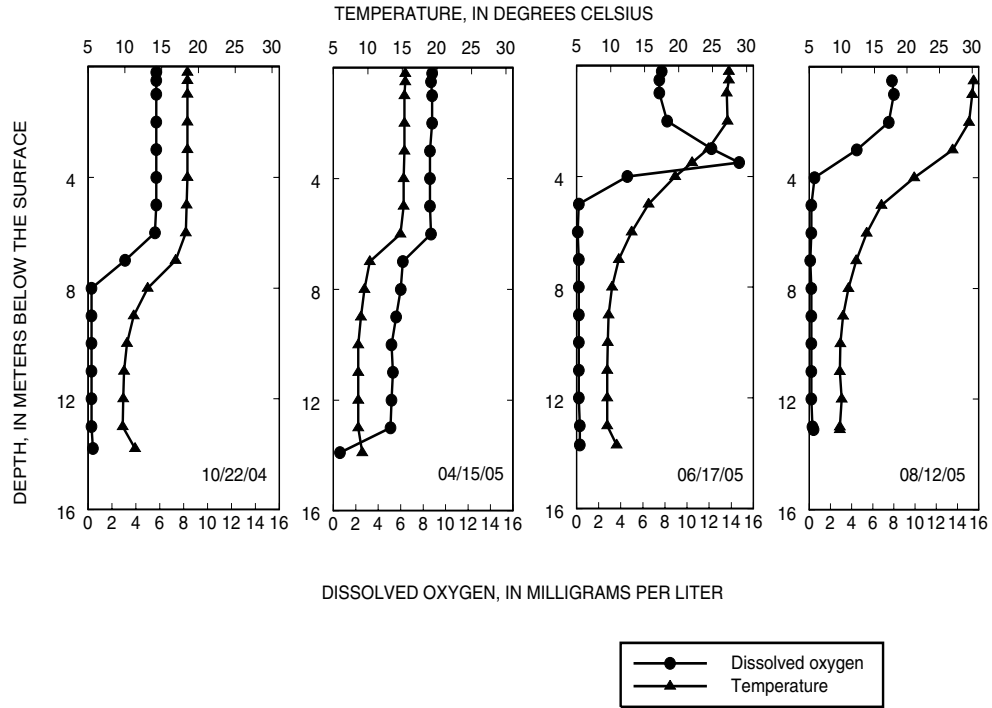
Date	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Chlorophyll b phytoplankton, fluoro, ug/L (70954)	Aluminum, water, unfltrd recover-able, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, 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)
OCT													
22...	E.001	<.006	.021	9.2	E4.2	<.1	11	<2	<.04	<.8	.185	E.4	130
22...	.002	<.006	.019	--	--	--	--	--	--	--	--	--	130
22...	.004	.068	.097	--	--	--	--	--	--	--	--	--	10,200
APR													
15...	.005	<.006	.029	7.4	2.7	<.1	54	<2	<.04	<.8	.169	1.4	200
15...	.006	<.006	.027	--	--	--	--	--	--	--	--	--	190
15...	.016	<.006	.020	--	--	--	--	--	--	--	--	--	220
JUN													
17...	.002	<.006	.018	6.4	2.5	<.1	--	--	--	--	--	--	80
17...	.064	<.006	.026	--	--	--	--	--	--	--	--	--	180
17...	.007	.010	.039	--	--	--	--	--	--	--	--	--	2,320
AUG													
12...	<.002	<.012	.008	7.7	2.7	<.1	--	--	--	--	--	--	50
12...	--	--	--	--	2.1	<.1	--	--	--	--	--	--	--
12...	--	--	--	--	2.5	<.1	--	--	--	--	--	--	--
12...	--	--	--	--	3.9	<.1	--	--	--	--	--	--	--
12...	--	--	--	--	3.6	<.1	--	--	--	--	--	--	--
12...	<.002	<.012	.024	--	--	--	--	--	--	--	--	--	170
12...	.003	.016	.084	--	--	--	--	--	--	--	--	--	7,990

Date	Lead, water, unfltrd recover-able, ug/L (01051)	Manganese, water, unfltrd recover-able, ug/L (01055)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, unfltrd recover-able, ug/L (01062)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover-able, ug/L (01077)	Zinc, water, unfltrd recover-able, ug/L (01092)
OCT								
22...	.07	364	.02	E.1	E.10	E.3	<.16	2
22...	--	380	--	--	--	--	--	--
22...	--	3,780	--	--	--	--	--	--
APR								
15...	.10	61	.06	<.2	.25	.5	<.16	6
15...	--	62.0	--	--	--	--	--	--
15...	--	586	--	--	--	--	--	--
JUN								
17...	--	31.6	--	--	--	--	--	--
17...	--	774	--	--	--	--	--	--
17...	--	3,250	--	--	--	--	--	--
AUG								
12...	--	44.7	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--
12...	--	2,620	--	--	--	--	--	--
12...	--	4,300	--	--	--	--	--	--

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

Medium codes used in this table:
 9 -- Surface water.
 R -- Quality-control sample, surface water.

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 mi².

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.--Records good except those for estimated daily discharges, which are poor. 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 ft³/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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,860	295	1,270	532	1,330	5,170	1,880	645	252	172	554	123
2	2,550	285	1,130	531	1,050	2,770	1,890	1,060	295	193	409	115
3	1,750	286	968	531	1,020	1,590	1,940	716	572	174	301	106
4	1,120	310	760	531	2,690	1,290	1,430	586	836	168	189	101
5	717	e665	667	550	2,010	1,040	1,080	494	595	196	186	91
6	605	757	616	708	1,620	956	924	468	481	519	168	100
7	438	385	629	556	1,110	846	812	549	504	320	154	99
8	423	435	734	522	893	1,480	1,520	512	912	730	142	95
9	386	373	957	485	863	2,220	3,830	436	706	1,040	219	93
10	352	336	e8,860	465	819	1,470	1,940	416	1,060	361	1,100	89
11	336	338	e11,200	490	846	1,080	1,210	384	912	418	639	88
12	322	324	4,740	492	767	988	960	362	747	315	169	85
13	412	5,950	2,480	498	663	916	1,100	399	493	254	291	83
14	851	2,810	1,770	e8,300	692	798	1,380	397	477	1,540	270	68
15	735	1,390	1,320	e5,430	903	787	1,270	363	519	1,340	246	103
16	556	1,120	1,000	e2,420	980	910	963	346	392	857	230	64
17	290	876	846	e1,790	841	4,220	668	353	297	318	209	87
18	351	735	785	1,390	789	4,570	690	359	258	355	270	92
19	330	588	748	1,030	576	2,490	641	333	235	299	249	101
20	342	573	715	871	585	1,720	607	928	206	304	193	113
21	452	528	616	829	572	1,380	592	1,290	200	254	191	154
22	447	478	603	846	654	1,100	565	990	190	241	506	192
23	413	531	647	848	648	1,030	528	562	182	334	252	115
24	395	2,770	1,160	757	746	2,730	530	504	181	270	197	111
25	382	3,180	1,210	617	1,400	2,250	519	453	176	180	225	100
26	380	2,460	768	642	1,170	1,670	461	392	158	158	194	94
27	342	1,580	701	648	911	1,410	467	374	161	137	144	93
28	291	e2,770	604	610	2,380	6,230	448	291	187	147	145	115
29	308	e2,100	599	566	---	9,180	441	267	280	243	147	116
30	303	1,670	588	665	---	4,080	457	264	317	798	138	101
31	298	---	545	1,510	---	2,430	---	259	---	687	126	---
TOTAL	18,737	36,898	50,236	36,660	29,528	70,801	31,743	15,752	12,781	13,322	8,453	3,087
MEAN	604	1,230	1,621	1,183	1,055	2,284	1,058	508	426	430	273	103
MAX	2,550	5,950	11,200	8,300	2,690	9,180	3,830	1,290	1,060	1,540	1,100	192
MIN	290	285	545	465	572	787	441	259	158	137	126	64
CFSM	0.47	0.96	1.27	0.93	0.83	1.79	0.83	0.40	0.33	0.34	0.21	0.08
IN.	0.55	1.08	1.47	1.07	0.86	2.07	0.93	0.46	0.37	0.39	0.25	0.09

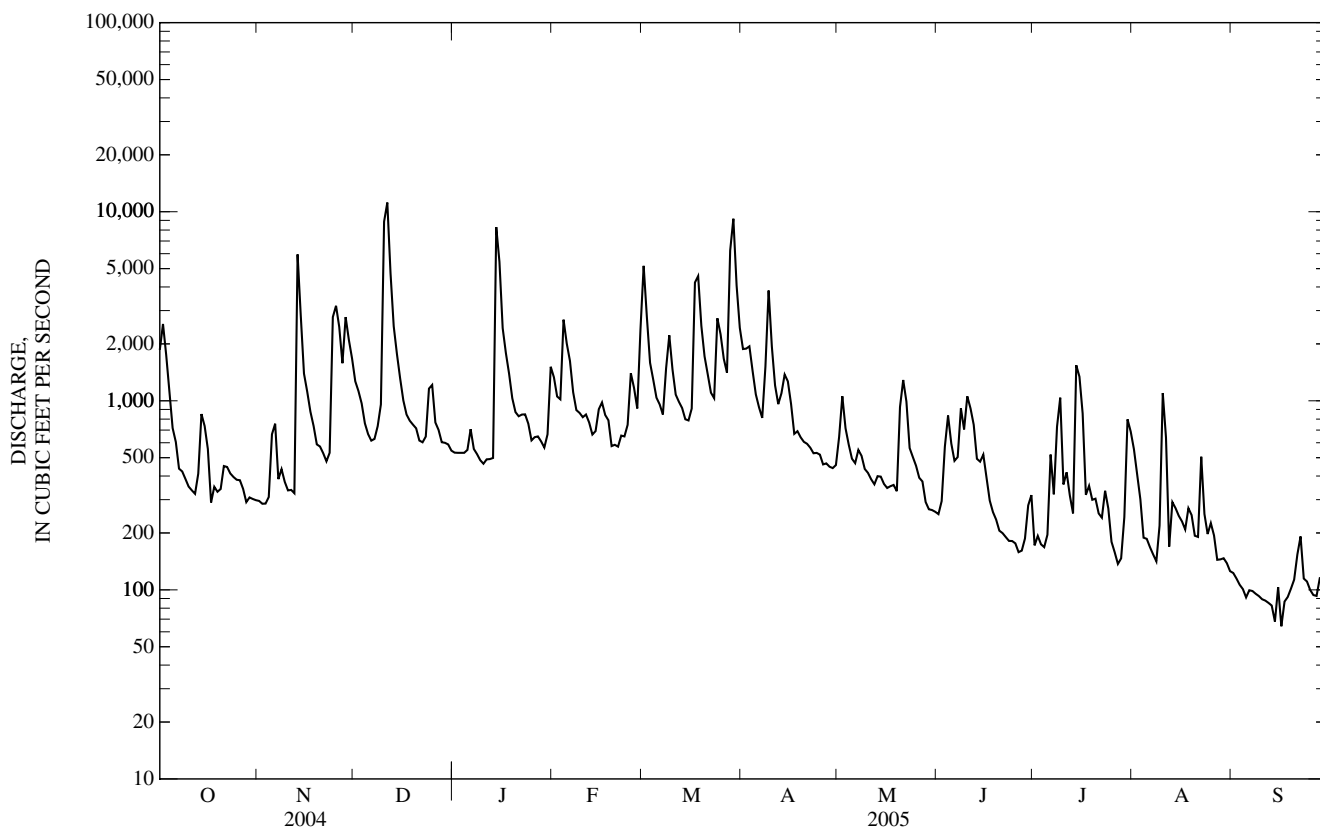
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2005, BY WATER YEAR (WY)

MEAN	687	754	1,160	2,075	2,085	2,521	1,737	1,121	902	787	603	949
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	103
(WY)	(2002)	(2002)	(2002)	(1981)	(2002)	(1988)	(2002)	(2002)	(2002)	(1986)	(2002)	(2005)

02096960 HAW RIVER NEAR BYNUM, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1973 - 2005	
ANNUAL TOTAL	363,102		327,998		1,278	
ANNUAL MEAN	992		899		2,948	
HIGHEST ANNUAL MEAN					370	2003
LOWEST ANNUAL MEAN					58,000	Sep 6, 1996
HIGHEST DAILY MEAN	11,200	Dec 11	11,200	Dec 11	0.18	Sep 10, 1983
LOWEST DAILY MEAN	174	Jul 17	64	Sep 16	46	Sep 7, 1983
ANNUAL SEVEN-DAY MINIMUM	223	Aug 7	83	Sep 11	76,700*	Sep 6, 1996
MAXIMUM PEAK FLOW			NOT DETERMINED		21.76*	Sep 6, 1996
MAXIMUM PEAK STAGE			NOT DETERMINED		0.18*	Sep 10, 1983
INSTANTANEOUS LOW FLOW			51	Sep 16	1.00	
ANNUAL RUNOFF (CFSM)	0.778		0.705		13.62	
ANNUAL RUNOFF (INCHES)	10.59		9.57		2,760	
10 PERCENT EXCEEDS	1,810		1,820		578	
50 PERCENT EXCEEDS	638		554		161	
90 PERCENT EXCEEDS	289		151			

* See REMARKS.
e Estimated.



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 2004 TO SEPTEMBER 2005

Date	Time	Medium code	Color, water, fltrd, Pt-Co units (00080)	Sam-pling depth, meters (00098)	Trans-parency Secchi disc, meters (00078)	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 unfltrd 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)		
OCT															
20...	1100	9	25	1.0	.50	755	11.0	124	9.0	161	20.8	33	8.00		
20...	1105	9	--	2.0	--	755	10.9	124	9.0	161	20.8	--	--		
20...	1110	9	--	4.0	--	755	8.6	94	8.3	233	19.2	--	--		
APR															
20...	1415	9	50	1.0	.60	756	10.3	113	8.6	148	19.6	37	8.38		
20...	1420	9	--	2.0	--	756	8.4	88	7.5	147	17.3	--	--		
20...	1425	9	--	4.0	--	756	7.6	77	7.2	153	15.5	--	--		
JUN															
24...	1500	9	38	1.0	.50	763	12.6	164	9.2	206	29.1	34	7.95		
24...	1505	9	--	2.0	--	763	10.5	131	8.8	238	26.9	--	--		
24...	1510	9	--	4.0	--	763	5.7	70	7.3	255	25.8	--	--		
AUG															
08...	1000	9	40	1.0	.50	759	9.7	130	8.8	199	30.4	33	8.15		
08...	1005	9	--	2.0	--	759	7.8	104	8.5	199	29.9	--	--		
08...	1010	9	--	4.0	--	759	2.4	31	6.7	209	28.4	--	--		
Date			Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd, titr., mg/L as CaCO3 (00419)	Bicar-bonate, wat unfltrd, titr., 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)
OCT															
20...	3.05	3.90	16.4	35	43	13.7	.2	8.53	12.0	98	.97	E.006	<.016		
20...	--	--	--	--	--	--	--	--	--	--	.99	.017	<.016		
20...	--	--	--	--	--	--	--	--	--	--	.96	E.009	.020		
APR															
20...	3.92	2.45	15.7	38	46	12.4	.1	8.91	12.2	103	.63	.020	.378		
20...	--	--	--	--	--	--	--	--	--	--	.41	.024	.379		
20...	--	--	--	--	--	--	--	--	--	--	.54	.077	.547		
JUN															
24...	3.54	3.66	25.1	42	51	17.9	.3	8.27	17.3	130	1.0	.010	.164		
24...	--	--	--	--	--	--	--	--	--	--	1.0	.012	.274		
24...	--	--	--	--	--	--	--	--	--	--	.74	.089	.609		
AUG															
08...	3.16	4.16	20.4	41	50	15.9	.2	6.65	15.3	110	1.1	<.050	E.069		
08...	--	--	--	--	--	--	--	--	--	--	.98	<.050	.130		
08...	--	--	--	--	--	--	--	--	--	--	.80	.109	.370		

0209719700 B. EVERETT JORDAN LAKE, HAW RIVER ARM, ABOVE B. EVERETT JORDAN DAM, NC—Continued

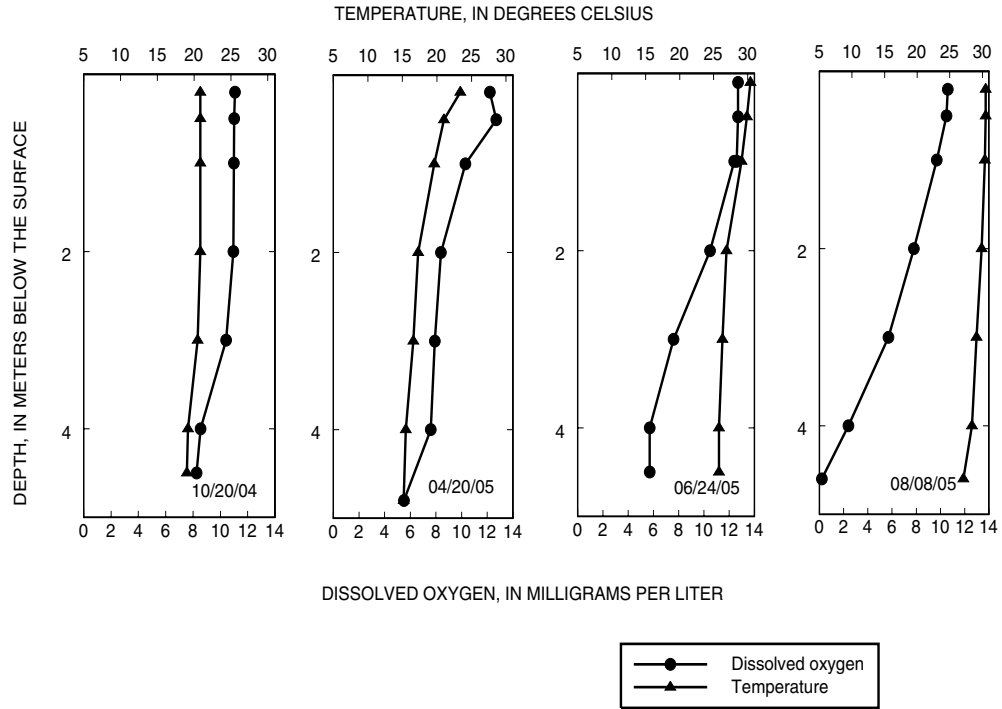
WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Chlorophyll b phytoplankton, fluoro, ug/L (70954)	Aluminum, water, unfltrd recover-able, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, 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)
OCT													
20...	E.001	E.003	.078	10.2	E12.8	<.1	72	<2	.04	<.8	.353	1.7	260
20...	E.001	E.003	.079	--	--	--	--	--	--	--	--	--	260
20...	E.001	<.006	.083	--	--	--	--	--	--	--	--	--	270
APR													
20...	.005	.007	.079	7.4	4.5	<.1	152	<2	E.03	E.4	.531	2.4	680
20...	.003	.007	.053	--	--	--	--	--	--	--	--	--	740
20...	.006	.008	.073	--	--	--	--	--	--	--	--	--	1,000
JUN													
24...	.005	<.030	.087	7.0	28.6	<.1	--	--	--	--	--	--	280
24...	.005	<.030	.111	--	--	--	--	--	--	--	--	--	420
24...	.006	.049	.148	--	--	--	--	--	--	--	--	--	820
AUG													
08...	E.007	<.030	.114	9.5	13.9	<.1	--	--	--	--	--	--	330
08...	E.006	<.030	.116	--	--	--	--	--	--	--	--	--	410
08...	.016	<.030	.117	--	--	--	--	--	--	--	--	--	700

Date	Lead, water, unfltrd recover-able, ug/L (01051)	Manganese, water, unfltrd recover-able, ug/L (01055)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, unfltrd recover-able, ug/L (01062)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover-able, ug/L (01077)	Zinc, water, unfltrd recover-able, ug/L (01092)
OCT								
20...	.23	66.4	E.01	2.6	.93	.8	<.16	5
20...	--	66.0	--	--	--	--	--	--
20...	--	71.2	--	--	--	--	--	--
APR								
20...	.44	80	.02	1.4	1.21	1.1	<.16	4
20...	--	59.3	--	--	--	--	--	--
20...	--	226	--	--	--	--	--	--
JUN								
24...	--	70.2	--	--	--	--	--	--
24...	--	93.6	--	--	--	--	--	--
24...	--	205	--	--	--	--	--	--
AUG								
08...	--	72.5	--	--	--	--	--	--
08...	--	90.6	--	--	--	--	--	--
08...	--	249	--	--	--	--	--	--

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

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



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 mi².

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 fair except those for estimated daily discharges, which are poor. Considerable diurnal fluctuation at low flow. An average of 47.9 ft³/s was diverted from the Neuse River Basin for Durham municipal water supply; 16.2 ft³/s was returned to the Cape Fear River Basin, and about 13.0 ft³/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 from B. Everett Jordan Lake, 14.05 ft, Sept. 6, 1996. Minimum discharge for period of record not determined due to regulation. Minimum discharge unregulated, 4.2 ft³/s, Apr. 28, 29, May 1, 2, and July 10, 1985. Minimum discharge for current water year due to regulation. Maximum discharge for period of record 12,700 ft³/s, from rating curve extended above 3,500 ft³/s by logarithmic plotting.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	26	96	36	119	239	91	54	21	21	27	15
2	35	26	76	34	95	247	173	54	40	20	19	14
3	61	26	61	e27	86	176	337	37	92	20	17	13
4	84	36	51	32	145	154	145	33	104	20	16	13
5	43	60	45	33	152	69	e76	31	43	21	18	13
6	32	41	42	34	122	57	e74	53	31	20	16	13
7	27	33	47	34	95	52	99	54	27	21	14	13
8	25	29	50	33	78	131	394	35	200	185	13	13
9	23	28	45	33	67	329	402	31	124	79	131	14
10	21	27	124	32	60	274	e234	28	39	24	330	13
11	22	28	300	32	54	105	87	29	40	19	152	13
12	21	36	210	32	50	100	68	27	30	17	32	13
13	98	204	113	33	46	78	134	36	26	16	21	14
14	308	212	80	209	45	67	128	29	25	16	21	13
15	104	88	e62	781	51	60	77	29	25	17	20	14
16	50	51	e57	388	53	73	61	39	23	16	18	14
17	36	41	56	220	50	309	e47	32	21	15	47	14
18	23	37	47	183	47	401	50	26	20	53	33	e14
19	24	35	41	128	44	290	48	24	21	41	21	e15
20	28	33	e28	85	41	116	44	31	54	68	18	14
21	27	33	e27	70	41	80	42	57	24	32	16	69
22	27	32	e27	71	41	65	40	47	21	20	16	26
23	26	55	40	64	41	89	38	33	21	16	20	16
24	25	e83	108	56	55	123	38	27	21	15	28	14
25	28	e103	100	50	146	85	36	32	19	15	19	13
26	28	e63	e73	48	164	65	34	27	19	15	17	13
27	27	e80	e54	46	117	57	34	24	20	15	15	13
28	26	e88	e44	44	120	150	33	22	30	15	15	13
29	26	e139	42	42	---	406	31	21	29	60	15	13
30	26	e199	39	69	---	425	41	21	24	50	15	12
31	26	---	37	128	---	218	---	21	---	25	15	---
TOTAL	1,394	1,972	2,222	3,107	2,225	5,090	3,136	1,044	1,234	987	1,175	474
MEAN	45.0	65.7	71.7	100	79.5	164	105	33.7	41.1	31.8	37.9	15.8
MAX	308	212	300	781	164	425	402	57	200	185	330	69
MIN	21	26	27	27	41	52	31	21	19	15	13	12
CFSM	0.59	0.87	0.94	1.32	1.05	2.16	1.38	0.44	0.54	0.42	0.50	0.21
IN.	0.68	0.97	1.09	1.52	1.09	2.49	1.54	0.51	0.60	0.48	0.58	0.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2005, BY WATER YEAR (WY)

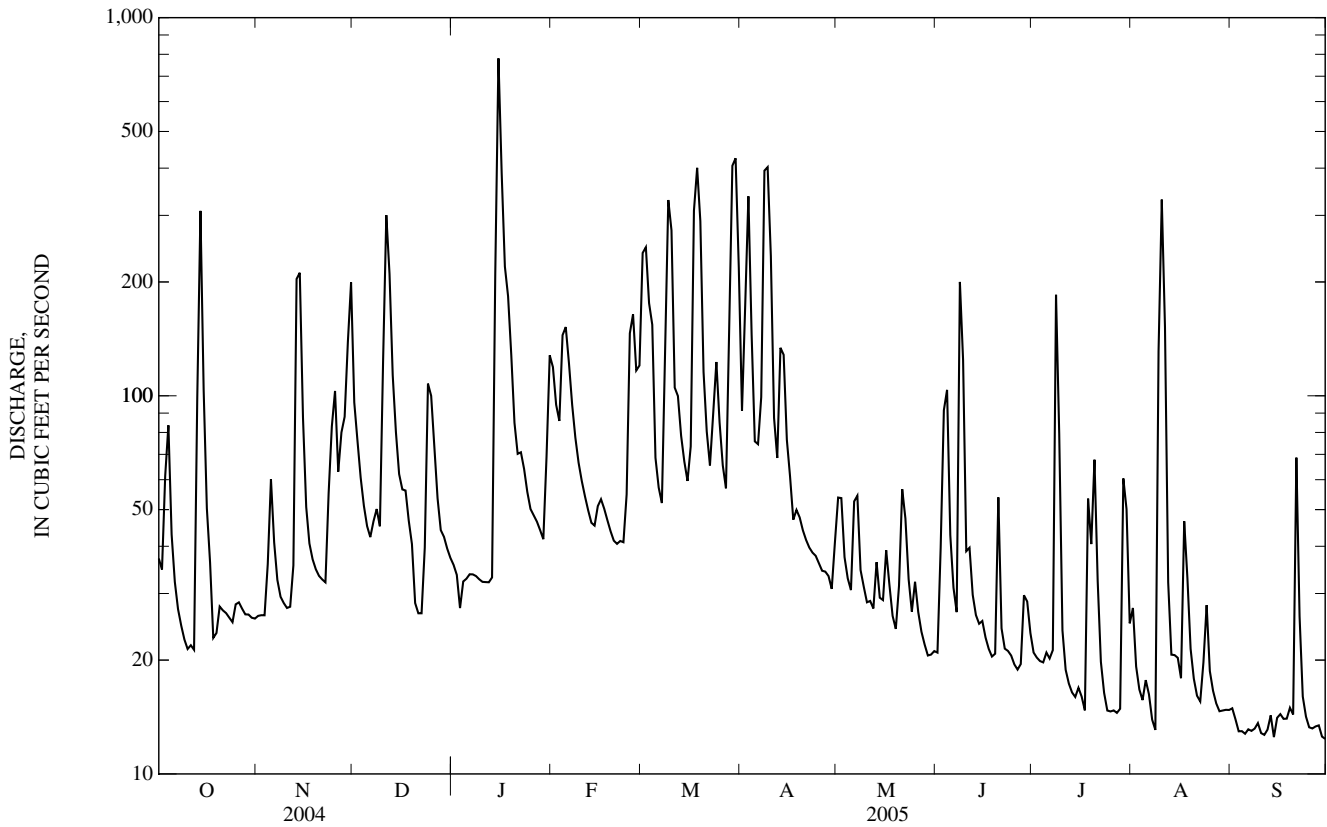
	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)																								
	52.3	231	12.8	(1987)	71.7	371	16.1	(1985)	82.5	264	17.0	(1989)	148	509	31.6	(2001)	190	463	58.2	(2002)	201	493	42.0	(1985)	152	618	13.5	(1985)	86.2	411	18.1	(2002)	45.3	154	13.1	(2002)	46.6	156	12.9	(1993)	46.2	121	14.5	(1997)	65.7	507	10.8	(1984)

02097314 NEW HOPE CREEK NEAR BLANDS, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1983 - 2005	
ANNUAL TOTAL	25,991		24,060		98.4	
ANNUAL MEAN	71.0		65.9		180	
HIGHEST ANNUAL MEAN					2003	
LOWEST ANNUAL MEAN					38.3	
HIGHEST DAILY MEAN	652	Aug 31	781	Jan 15	6,300	Sep 6, 1996
LOWEST DAILY MEAN	15	May 22	12	Sep 30	0.39	Dec 30, 1988
ANNUAL SEVEN-DAY MINIMUM	17	May 16	13	Sep 24	4.1	Dec 20, 2001
MAXIMUM PEAK FLOW			923	Jan 15	12,700*	Sep 6, 1996
MAXIMUM PEAK STAGE			9.55	Jan 15	18.96*	Apr 15, 2003
INSTANTANEOUS LOW FLOW			7.1	Sep 14	NOT DETERMINED	
ANNUAL RUNOFF (CFSM)	0.936		0.868		1.30	
ANNUAL RUNOFF (INCHES)	12.74		11.79		17.62	
10 PERCENT EXCEEDS	151		145		216	
50 PERCENT EXCEEDS	39		37		34	
90 PERCENT EXCEEDS	20		15		13	

* See REMARKS.

e Estimated.



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 mi².

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 47.9 ft³/s was diverted from the Neuse River basin for municipal water supply; 16.2 ft³/s was returned to the Cape Fear River basin, of which 0.21 ft³/s entered upstream from station as treated effluent. About 13.0 ft³/s was returned to the Neuse River basin as treated effluent. Maximum discharge for period of record from rating curve extended above 2,000 ft³/s, by logarithmic plotting.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e10	e7.2	e16	e8.7	e26	e56	17	17	6.4	8.2	46	4.5
2	e12	e7.2	e15	e8.6	e20	e40	86	13	14	12	10	4.2
3	e24	e8.3	e13	e8.8	e23	e26	120	9.3	12	11	7.2	3.8
4	e20	e11	e11	e8.7	e40	16	24	8.3	8.5	7.7	6.2	3.6
5	e9.4	e11	e10	e9.1	e31	14	16	7.9	6.8	7.7	5.6	3.8
6	e8.6	e8.9	e10	e9.9	e23	12	14	22	7.3	8.1	4.9	4.5
7	e7.7	e7.7	e12	e11	e18	12	16	16	7.3	12	4.5	4.3
8	e8.1	e7.4	e12	e9.9	e15	102	66	9.2	20	210	5.0	4.3
9	e7.2	e7.7	e16	e9.5	e14	114	173	8.5	13	20	214	4.3
10	e7.0	e7.5	e61	e9.4	e13	24	31	8.1	10	7.9	158	3.9
11	e7.1	e8.5	e69	e9.3	e13	18	19	7.9	9.5	6.8	17	4.0
12	e12	e23	e33	e9.3	e11	23	15	7.7	8.1	6.4	9.9	4.4
13	e62	e85	e18	e19	e11	16	33	7.8	8.5	6.3	22	5.4
14	e63	e35	e14	e157	e12	13	23	7.0	e8.2	5.9	65	5.9
15	e17	e14	e14	e169	e14	13	15	6.8	e7.8	5.4	11	6.7
16	e8.5	e8.9	e14	e53	e14	40	12	7.5	7.8	4.7	7.8	5.6
17	e5.8	e8.4	e13	e34	e13	282	11	7.3	6.9	6.2	20	5.0
18	e4.7	e8.6	e9.8	e28	e13	132	11	6.8	6.2	13	9.9	4.8
19	e6.4	e9.4	e8.7	e20	e11	29	11	6.7	6.6	9.8	7.5	5.4
20	e7.2	e8.3	e8.1	e16	e11	20	11	9.7	12	140	6.2	5.6
21	e6.7	e8.4	e8.3	e16	e11	15	11	10	8.3	13	5.5	18
22	e7.3	e11	e9.2	e15	e11	12	10	7.0	7.7	8.2	5.4	8.0
23	e6.7	e22	e16	e14	e13	44	9.5	7.1	8.2	6.2	6.1	6.3
24	e7.0	e29	e41	e13	e24	33	8.7	9.8	7.4	5.4	5.9	5.6
25	e7.9	e24	e22	e12	e54	18	8.8	8.4	6.5	5.8	5.7	5.3
26	e7.6	e17	e16	e12	e35	15	8.8	7.7	6.2	6.0	5.1	5.3
27	e7.3	e22	e12	e12	e25	13	8.6	6.0	7.0	5.3	4.6	5.0
28	e7.2	e26	e10	e12	e35	92	8.3	4.7	15	5.6	4.3	4.5
29	e7.7	e42	e9.3	e14	---	135	8.8	3.9	16	83	4.6	4.5
30	e7.1	e36	e9.3	e28	---	28	9.2	4.2	9.8	24	4.9	4.6
31	e7.1	---	e9.5	e38	---	18	---	5.7	---	18	4.9	---
TOTAL	387.3	530.4	540.2	794.2	554	1,425	815.7	269.0	279.0	689.6	694.7	161.1
MEAN	12.5	17.7	17.4	25.6	19.8	46.0	27.2	8.68	9.30	22.2	22.4	5.37
MAX	63	85	69	169	54	282	173	22	20	210	214	18
MIN	4.7	7.2	8.1	8.6	11	12	8.3	3.9	6.2	4.7	4.3	3.6
CFSM	0.59	0.84	0.83	1.21	0.94	2.18	1.29	0.41	0.44	1.05	1.06	0.25
IN.	0.68	0.94	0.95	1.40	0.98	2.51	1.44	0.47	0.49	1.22	1.22	0.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2005, @ BY WATER YEAR (WY)

MEAN	20.6	24.6	32.0	51.4	54.8	58.0	35.2	18.7	12.5	15.1	17.4	31.5
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)

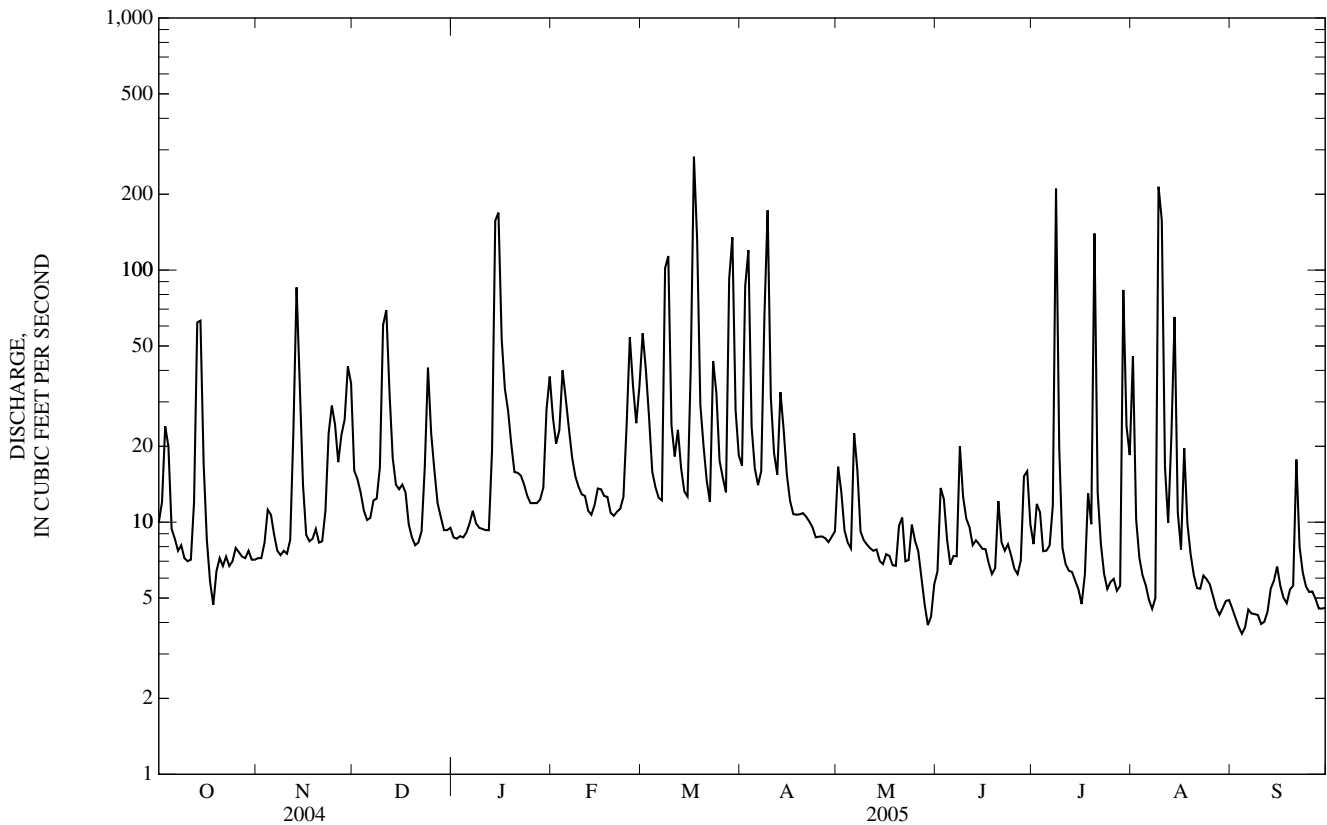
0209741955 NORTHEAST CREEK AT SECONDARY ROAD 1100 NEAR GENLEE, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1983 - 2005 [@]	
ANNUAL TOTAL	7,565.1		7,140.2		31.2	
ANNUAL MEAN	20.7		19.6		12.4	
HIGHEST ANNUAL MEAN					49.1	1996
LOWEST ANNUAL MEAN					12.4	2002
HIGHEST DAILY MEAN	177	Aug 31	282	Mar 17	3,350	Sep 6, 1996
LOWEST DAILY MEAN	4.7	Oct 18	3.6	Sep 4	0.74	Jul 16, 1991
ANNUAL SEVEN-DAY MINIMUM	6.4	Oct 17	4.1	Sep 2	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			2.3	Sep 7	0.76	Oct 7, 1985
ANNUAL RUNOFF (CFSM)	0.980		0.927		1.48	
ANNUAL RUNOFF (INCHES)	13.34		12.59		20.09	
10 PERCENT EXCEEDS	47		35		58	
50 PERCENT EXCEEDS	12		9.9		9.2	
90 PERCENT EXCEEDS	7.4		5.4		4.1	

[@] 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, 2005.

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 USGS Water Science Center, 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 2004 TO SEPTEMBER 2005

Date	Time	Medium code	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)	Specific conductance, wat unfltrd 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)
JUL 08...	0930	9	175	757	4.3	51	6.0	110	24.1	24	6.29	2.01	3.72
Date	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd, titr., mg/L as CaCO3 (00419)	Bicarbonate, wat unfltrd, titr., 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)
JUL 08...	9.88	33	40	9.66	.1	4.54	7.4	83	.96	.050	.308	.017	.026
Date	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Aluminum, water, unfltrd recover-able, ug/L (01105)	Arsenic, water, unfltrd ug/L (01002)	Cadmium, water, unfltrd ug/L (01027)	Chromium, 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)	Manganese, water, unfltrd recover-able, ug/L (01055)	Mercury, water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, unfltrd recover-able, ug/L (01062)
JUL 08...	.20	14.3	2,250	<2	.04	1.4	1.33	6.8	1,870	3.10	205	E.01	2.3
Date	Nickel, water, unfltrd recover-able, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover-able, ug/L (01077)	Zinc, water, unfltrd recover-able, ug/L (01092)	Suspended sediment concentration, mg/L (80154)								
JUL 08...	2.83	E.4	<.16	18	91								

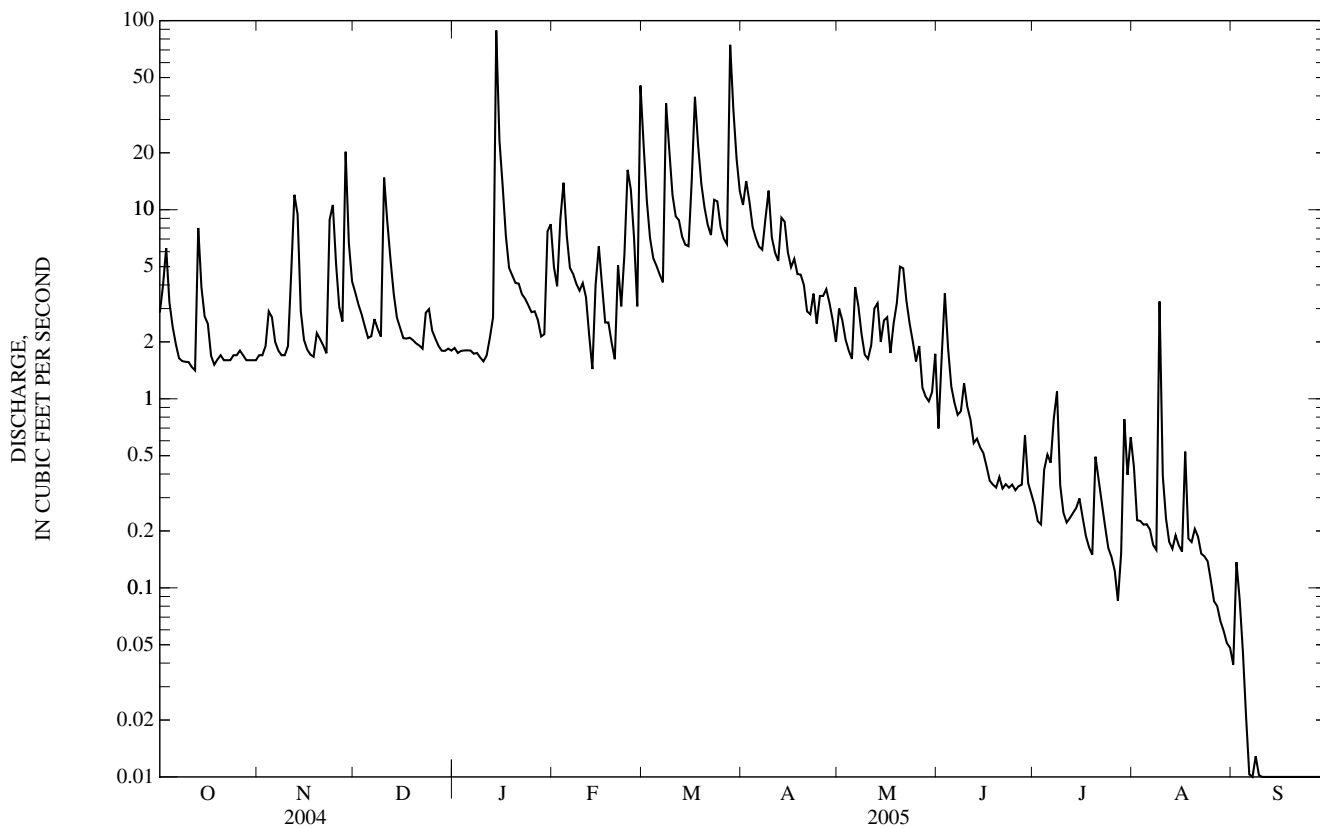
Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

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

02097464 MORGAN CREEK NEAR WHITE CROSS, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1989 - 2005	
ANNUAL TOTAL	1,374.30		1,457.13		7.21	
ANNUAL MEAN	3.75		3.99		12.5	
HIGHEST ANNUAL MEAN					1.46	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	64	Sep 8	89	Jan 14	737	Sep 6, 1996
LOWEST DAILY MEAN	0.15	Jul 17	0.00	Sep 7	0.00	Jun 16, 2002
ANNUAL SEVEN-DAY MINIMUM	0.24	Jul 15	0.00	Sep 10	0.00	Aug 8, 2002
MAXIMUM PEAK FLOW			276	Jan 14	3,100*	Aug 27, 1995
MAXIMUM PEAK STAGE			5.86	Jan 14	11.20	Aug 27, 1995
INSTANTANEOUS LOW FLOW			0.00	Sep 11	0.00	Jun 16, 2002
ANNUAL RUNOFF (CFSM)	0.453		0.482		0.870	
ANNUAL RUNOFF (INCHES)	6.17		6.55		11.82	
10 PERCENT EXCEEDS	7.6		8.9		14	
50 PERCENT EXCEEDS	2.1		1.9		2.6	
90 PERCENT EXCEEDS	0.39		0.10		0.23	

* See REMARKS.
e Estimated.



02097464 MORGAN CREEK NEAR WHITE CROSS, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	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)	Sus- pended sedi- ment concen- tration mg/L (80154)
OCT 18...	<.01	E.1	.56	.5	<.16	2	3
DEC 09...	--	--	--	--	--	--	3
FEB 08...	--	--	--	--	--	--	6
APR 13...	<.01	E.1	.42	E.4	<.16	E2	11
JUN 16...	--	--	--	--	--	--	7
AUG 10...	--	--	--	--	--	--	19

Remark codes used in this table:

< -- Less than.

E -- Estimated.

Medium codes used in this table:

9 -- Surface water.

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 mi².

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 2004 TO SEPTEMBER 2005

Date	Time	Medium code	Color, water, fltrd, Pt-Co units (00080)	Sam-pling depth, meters (00098)	Trans-parency Secchi disc, meters (00078)	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 unfltrd 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)
OCT													
22...	1130	9	20	1.0	.60	759	4.0	43	6.9	107	18.3	32	8.51
22...	1135	9	--	4.0	--	759	.2	2	7.0	114	17.8	--	--
22...	1140	9	--	7.0	--	759	.1	1	8.2	494	14.1	--	--
APR													
15...	1115	9	40	1.0	.80	755	8.8	88	7.4	85	14.8	28	7.15
15...	1120	9	--	4.0	--	755	4.7	46	6.7	85	13.6	--	--
15...	1125	9	--	8.0	--	755	.3	3	6.8	108	9.2	--	--
JUN													
17...	1130	9	30	1.0	.70	746	6.9	90	7.5	114	27.9	31	7.83
17...	1135	9	--	4.0	--	746	.1	1	6.7	137	17.0	--	--
17...	1140	9	--	8.0	--	746	.3	3	7.0	252	12.7	--	--
AUG													
12...	0915	9	20	1.0	.40	753	7.7	102	8.4	104	29.1	30	7.34
12...	0916	R	--	1.0	.40	753	7.7	102	8.4	104	29.1	--	--
12...	0917	R	--	1.0	.40	753	7.7	102	8.4	104	29.1	--	--
12...	0918	R	--	1.0	.40	753	7.7	102	8.4	104	29.1	--	--
12...	0919	R	--	1.0	.40	753	7.7	102	8.4	104	29.1	--	--
12...	0920	9	--	3.0	--	753	.1	2	6.7	118	25.9	--	--
12...	0925	9	--	7.0	--	753	.2	2	7.3	304	12.8	--	--

Date	Magnes-ium, water, fltrd, mg/L (00925)	Potas-ium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd, titr., mg/L as CaCO3 (00419)	Bicar-bonate, wat unfltrd, titr., 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)
OCT													
22...	2.71	2.82	6.23	32	39	6.51	.1	15.5	5.4	86	.62	.046	<.016
22...	--	--	--	--	--	--	--	--	--	--	.77	.160	<.016
22...	--	--	--	--	--	--	--	--	--	--	12	10.3	.030
APR													
15...	2.54	1.72	6.24	25	31	6.29	<.1	13.4	7.1	69	.53	E.009	.020
15...	--	--	--	--	--	--	--	--	--	--	.51	E.006	.030
15...	--	--	--	--	--	--	--	--	--	--	.86	.413	.109
JUN													
17...	2.68	1.89	7.03	33	40	6.75	E.1	15.3	5.6	72	.56	<.010	<.016
17...	--	--	--	--	--	--	--	--	--	--	.50	.047	<.016
17...	--	--	--	--	--	--	--	--	--	--	2.9	1.91	<.016
AUG													
12...	2.77	2.13	7.03	24	29	6.47	E.1	15.3	4.7	77	.82	E.006	<.016
12...	--	--	--	24	29	--	--	--	--	--	--	--	--
12...	--	--	--	24	29	--	--	--	--	--	--	--	--
12...	--	--	--	24	29	--	--	--	--	--	--	--	--
12...	--	--	--	24	29	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	.94	.162	<.016
12...	--	--	--	--	--	--	--	--	--	--	6.1	4.21	<.016

0209749990 UNIVERSITY LAKE AT INTAKES NEAR CHAPEL HILL, NC—Continued

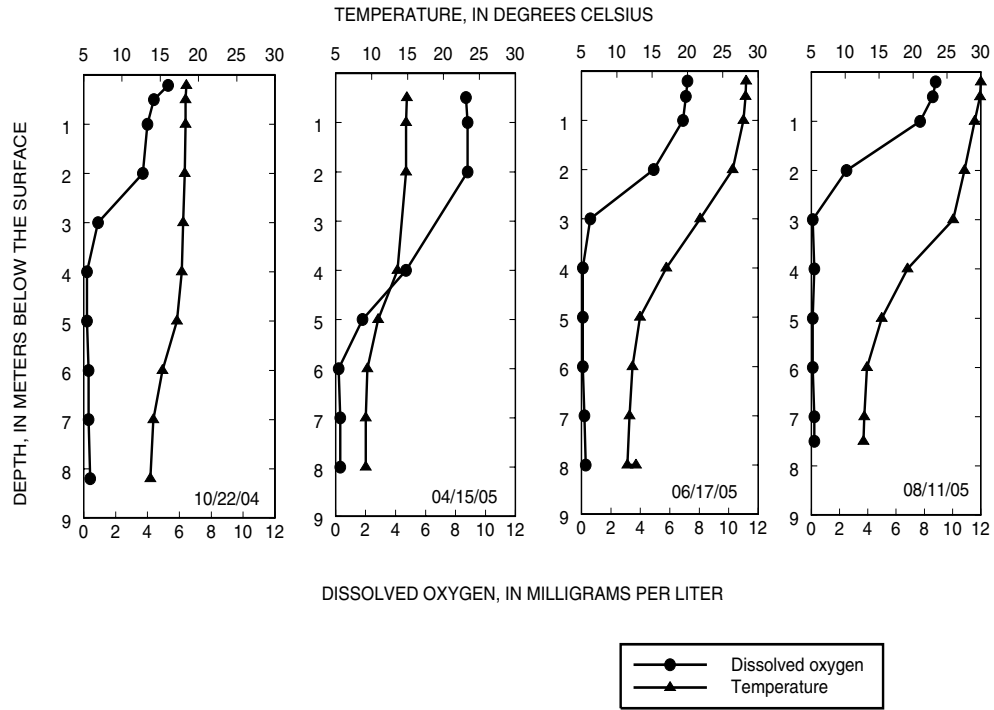
WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Chlorophyll b phytoplankton, fluoro, ug/L (70954)	Aluminum, water, unfltrd recover-able, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, 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)
OCT 22...	E.001	<.006	.033	9.7	E11.3	E.6	18	<2	<.04	<.8	.190	.8	530
22...	E.001	<.006	.043	--	--	--	--	--	--	--	--	--	920
22...	.003	<.006	.133	--	--	--	--	--	--	--	--	--	71,100
APR 15...	.002	<.006	.039	7.8	3.2	<.1	62	<2	<.04	<.8	.181	1.7	450
15...	.002	<.006	.037	--	--	--	--	--	--	--	--	--	460
15...	.006	<.006	.067	--	--	--	--	--	--	--	--	--	1,320
JUN 17...	<.002	<.006	.038	6.8	3.4	<.1	--	--	--	--	--	--	290
17...	<.002	<.006	.042	--	--	--	--	--	--	--	--	--	280
17...	.009	.111	.14	--	--	--	--	--	--	--	--	--	15,300
AUG 12...	<.004	<.012	.019	10.7	E6.4	<.1	--	--	--	--	--	--	150
12...	--	--	--	--	E5.8	<.1	--	--	--	--	--	--	--
12...	--	--	--	--	E6.0	<.1	--	--	--	--	--	--	--
12...	--	--	--	--	E7.8	<.1	--	--	--	--	--	--	--
12...	--	--	--	--	E11.0	<.1	--	--	--	--	--	--	--
12...	<.002	<.012	.116	--	--	--	--	--	--	--	--	--	480
12...	<.004	.056	.169	--	--	--	--	--	--	--	--	--	34,500

Date	Lead, water, unfltrd recover-able, ug/L (01051)	Manganese, water, unfltrd recover-able, ug/L (01055)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, unfltrd recover-able, ug/L (01062)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover-able, ug/L (01077)	Zinc, water, unfltrd recover-able, ug/L (01092)
OCT 22...	.09	332	E.01	.3	.24	<.4	<.16	E2
22...	--	908	--	--	--	--	--	--
22...	--	10,300	--	--	--	--	--	--
APR 15...	.17	91	.01	E.2	.36	.5	<.16	E2
15...	--	96.9	--	--	--	--	--	--
15...	--	1,360	--	--	--	--	--	--
JUN 17...	--	118	--	--	--	--	--	--
17...	--	884	--	--	--	--	--	--
17...	--	5,000	--	--	--	--	--	--
AUG 12...	--	81.3	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--
12...	--	1,810	--	--	--	--	--	--
12...	--	7,360	--	--	--	--	--	--

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

Medium codes used in this table:
 9 -- Surface water.
 R -- Quality-control sample, surface water.



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 mi²

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 13.4 ft³/s for water supply upstream of station, and an average of 12.5 ft³/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 ft³/s, by logarithmic plotting; maximum gage height, 16.18 ft, from floodmark.

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

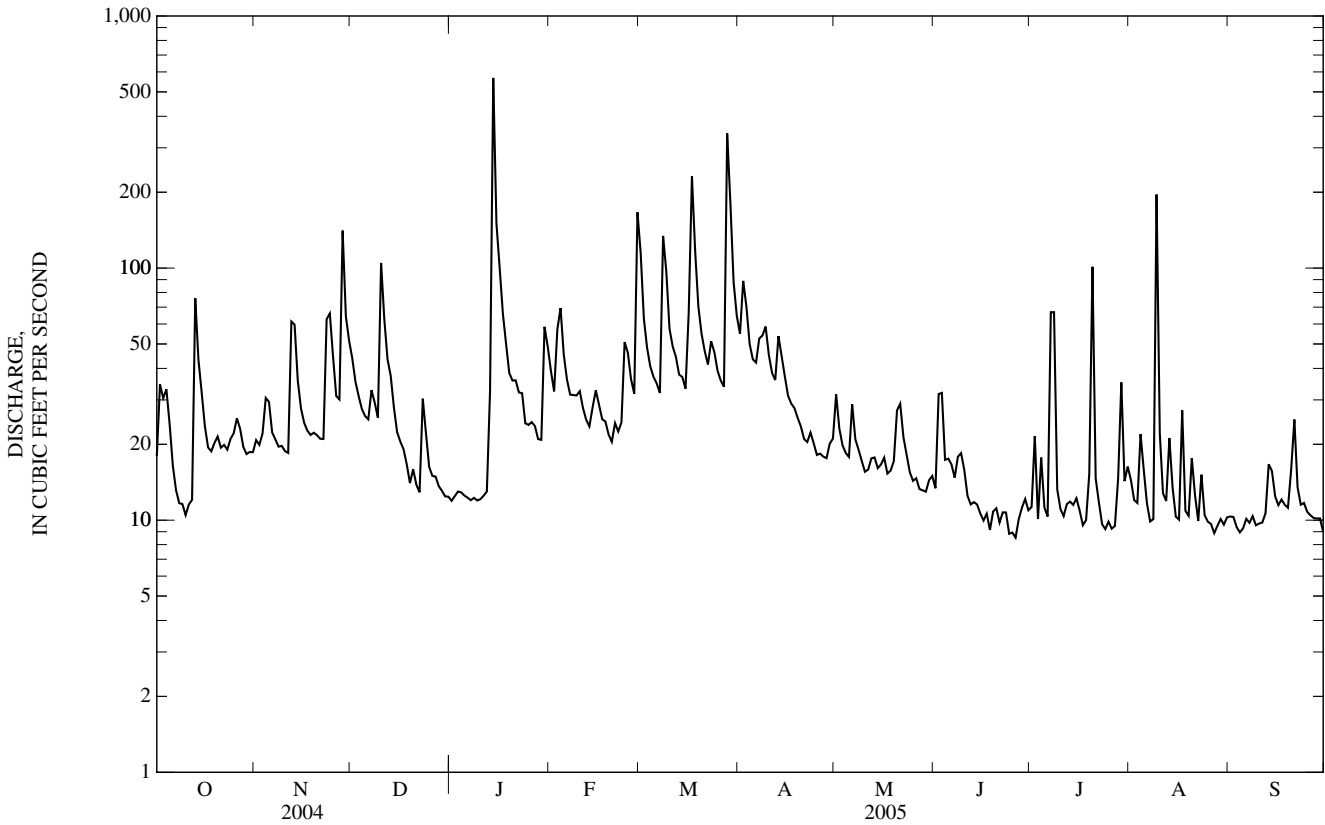
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	21	44	12	39	115	55	32	13	11	14	10
2	35	20	35	12	32	63	89	23	32	22	12	10
3	30	22	31	13	57	48	70	20	32	10	12	9.4
4	33	31	28	13	69	41	50	18	17	18	22	8.9
5	24	29	26	13	45	37	43	18	18	11	16	9.3
6	16	22	25	12	36	35	42	29	17	10	12	10
7	13	21	33	12	31	32	53	21	15	67	9.9	9.8
8	12	20	29	12	31	134	54	19	18	67	10	10
9	12	20	25	12	31	97	59	17	18	13	196	9.5
10	10	19	105	12	32	58	45	16	16	11	22	9.7
11	12	18	63	13	28	49	38	16	12	10	13	9.8
12	12	61	44	13	25	44	36	18	12	12	12	11
13	76	60	37	33	24	38	54	18	12	12	21	17
14	43	36	28	e568	28	37	45	16	12	11	13	16
15	32	28	22	e150	33	33	37	17	11	12	10	12
16	24	24	20	e100	29	67	31	18	10	11	10	11
17	19	23	19	e66	25	231	29	15	11	9.5	27	12
18	19	22	17	e50	25	117	28	16	9.1	10	11	12
19	20	22	14	38	22	70	25	17	11	15	10	11
20	21	22	16	36	20	55	24	27	11	101	18	16
21	19	21	14	36	24	47	21	29	9.8	15	13	25
22	20	21	13	32	22	41	20	21	11	12	9.9	14
23	19	63	30	32	24	51	22	18	11	9.6	15	12
24	21	66	22	24	51	46	20	15	8.8	9.2	10	12
25	22	45	16	24	46	39	18	14	8.9	9.9	9.9	11
26	25	31	15	24	36	36	18	15	8.5	9.3	9.7	10
27	23	30	15	24	32	34	18	13	10	9.5	8.9	10
28	20	141	14	21	166	342	18	13	11	15	9.5	10
29	18	64	13	21	---	182	20	13	12	35	10	10
30	19	52	12	58	---	88	21	14	11	14	9.6	9.0
31	19	---	12	49	---	65	---	15	---	16	10	---
TOTAL	706	1,075	837	1,535	1,063	2,372	1,103	571	409.1	598.0	586.4	347.4
MEAN	22.8	35.8	27.0	49.5	38.0	76.5	36.8	18.4	13.6	19.3	18.9	11.6
MAX	76	141	105	568	166	342	89	32	32	101	196	25
MIN	10	18	12	12	20	32	18	13	8.5	9.2	8.9	8.9
CFSM	0.56	0.87	0.66	1.21	0.93	1.87	0.90	0.45	0.33	0.47	0.46	0.28
IN.	0.64	0.98	0.76	1.39	0.96	2.15	1.00	0.52	0.37	0.54	0.53	0.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2005, BY WATER YEAR (WY)

MEAN	25.4	34.5	37.0	64.3	75.4	94.9	59.0	32.6	25.2	21.9	22.9	33.3
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)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1983 - 2005	
ANNUAL TOTAL	10,750.1		11,202.9			
ANNUAL MEAN	29.4		30.7		43.1	
HIGHEST ANNUAL MEAN					80.2 2003	
LOWEST ANNUAL MEAN					21.7 1988	
HIGHEST DAILY MEAN	377	Aug 30	568	Jan 14	2,600	Sep 6, 1996
LOWEST DAILY MEAN	8.7	Aug 11	8.5	Jun 26	0.60	Nov 26, 1982
ANNUAL SEVEN-DAY MINIMUM	11	Jul 5	9.6	Sep 3	2.1	Nov 22, 1982
MAXIMUM PEAK FLOW			1,060	Aug 9	4210*	Sep 6, 1996
MAXIMUM PEAK STAGE			9.82	Aug 9	16.18*	Sep 6, 1996
INSTANTANEOUS LOW FLOW			2.7	Jun 19	NOT DETERMINED	
ANNUAL RUNOFF (CFSM)	0.716		0.749		1.05	
ANNUAL RUNOFF (INCHES)	9.75		10.16		14.28	
10 PERCENT EXCEEDS	49		57		78	
50 PERCENT EXCEEDS	21		20		20	
90 PERCENT EXCEEDS	13		10		12	

* See REMARKS.
e Estimated.



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 2004 TO SEPTEMBER 2005

Date	Time	Medium code	Color, water, fltrd, Pt-Co units (00080)	Sam-pling depth, meters (00098)	Trans-parency Secchi disc, meters (00078)	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 unfltrd 25 degC (00095)	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
OCT													
19...	1145	9	20	1.0	.50	755	8.1	89	7.8	156	19.7	33	8.37
19...	1150	9	--	2.0	--	755	7.4	81	7.4	157	19.4	--	--
19...	1155	9	--	4.0	--	755	6.4	69	7.2	162	18.9	--	--
APR													
21...	0900	9	60	1.0	.50	755	8.4	87	7.5	146	16.6	34	8.56
21...	0905	9	--	2.0	--	755	7.6	77	6.9	145	15.3	--	--
21...	0910	9	--	4.0	--	755	6.4	63	6.8	145	14.6	--	--
JUN													
24...	1245	9	15	1.0	.10	763	11.7	151	9.3	203	28.6	40	10.2
24...	1250	9	--	2.0	--	763	7.8	97	8.6	193	26.9	--	--
24...	1255	9	--	4.0	--	763	.8	9	6.8	180	24.9	--	--
AUG													
08...	1215	9	40	1.0	.40	759	8.1	108	8.5	198	29.9	39	10.2
08...	1220	9	--	2.0	--	759	5.8	76	7.5	197	29.4	--	--
08...	1225	9	--	4.0	--	759	3.5	46	6.9	196	28.9	--	--

Date	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd, titr., mg/L as CaCO3 (00419)	Bicar-bonate, wat unfltrd, titr., 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)
OCT													
19...	2.91	3.65	16.0	34	41	14.4	.2	5.88	10.7	94	1.0	E.009	.023
19...	--	--	--	--	--	--	--	--	--	--	1.1	.030	.034
19...	--	--	--	--	--	--	--	--	--	--	1.1	.040	.037
APR													
21...	3.05	2.87	14.2	30	36	13.8	.2	3.99	11.1	91	.91	.035	.096
21...	--	--	--	--	--	--	--	--	--	--	1.0	.074	.167
21...	--	--	--	--	--	--	--	--	--	--	1.0	.152	.210
JUN													
24...	3.44	3.80	19.2	40	44	18.7	.2	2.88	13.5	131	1.3	<.010	<.016
24...	--	--	--	--	--	--	--	--	--	--	1.0	<.010	<.016
24...	--	--	--	--	--	--	--	--	--	--	.75	<.010	<.016
AUG													
08...	3.30	4.15	18.5	42	52	18.5	.3	4.29	13.2	119	1.0	<.050	<.080
08...	--	--	--	--	--	--	--	--	--	--	1.1	<.050	<.080
08...	--	--	--	--	--	--	--	--	--	--	1.2	.084	<.080

0209768310 B. EVERETT JORDAN LAKE AT BUOY 12 AT FARRINGTON, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Chlorophyll b phytoplankton, fluoro, ug/L (70954)	Aluminum, water, unfltrd recover-able, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, 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)
OCT													
19...	.002	<.006	.065	12.3	E10.4	E.6	99	<2	<.04	<.8	.242	1.2	220
19...	.003	<.006	.069	--	--	--	--	--	--	--	--	--	250
19...	.003	E.005	.073	--	--	--	--	--	--	--	--	--	250
APR													
21...	.007	<.006	.079	12.2	11.7	<.1	263	<2	<.04	E.8	.408	2.0	600
21...	.008	<.006	.091	--	--	--	--	--	--	--	--	--	630
21...	.009	<.006	.095	--	--	--	--	--	--	--	--	--	800
JUN													
24...	<.002	<.030	.103	11.9	28.6	<.1	--	--	--	--	--	--	440
24...	<.002	<.030	.089	--	--	--	--	--	--	--	--	--	280
24...	<.002	<.02	.066	--	--	--	--	--	--	--	--	--	310
AUG													
08...	<.010	<.030	.083	12.1	33.5	<.1	--	--	--	--	--	--	260
08...	<.010	<.02	.081	--	--	--	--	--	--	--	--	--	230
08...	<.010	<.04	.081	--	--	--	--	--	--	--	--	--	270

Date	Lead, water, unfltrd recover-able, ug/L (01051)	Manganese, water, unfltrd recover-able, ug/L (01055)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, unfltrd recover-able, ug/L (01062)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover-able, ug/L (01077)	Zinc, water, unfltrd recover-able, ug/L (01092)
OCT								
19...	.31	127	.01	3.3	.77	.4	<.16	4
19...	--	130	--	--	--	--	--	--
19...	--	131	--	--	--	--	--	--
APR								
21...	.82	141	.06	2.0	1.00	.6	<.16	6
21...	--	157	--	--	--	--	--	--
21...	--	212	--	--	--	--	--	--
JUN								
24...	--	186	--	--	--	--	--	--
24...	--	141	--	--	--	--	--	--
24...	--	308	--	--	--	--	--	--
AUG								
08...	--	196	--	--	--	--	--	--
08...	--	197	--	--	--	--	--	--
08...	--	458	--	--	--	--	--	--

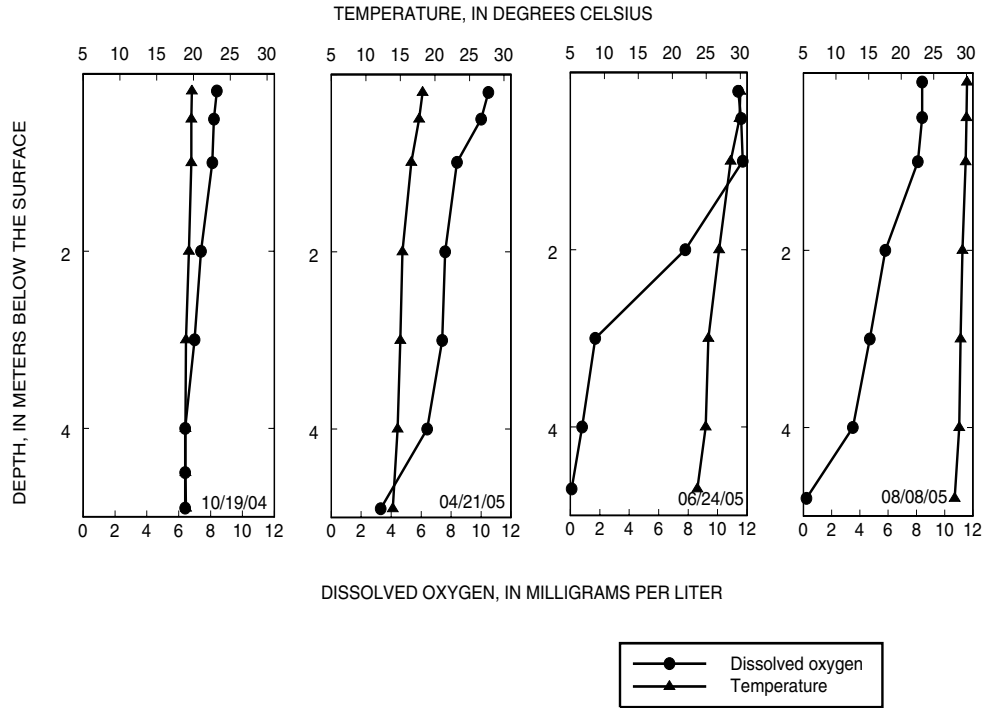
Remark codes used in this table:

< -- Less than.
E -- Estimated.

Medium codes used in this table:

9 -- Surface water.

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 mi².

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.--Records poor. No flow occurs at times most years.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	e1.4	e7.3	e2.8	8.9	49	16	6.9	0.31	0.06	4.5	0.12
2	4.8	e1.3	e5.5	e3.1	7.5	20	74	4.7	1.1	0.04	1.8	0.10
3	6.4	e1.4	e4.2	e3.5	30	17	39	2.0	3.9	0.03	1.2	0.07
4	4.5	e9.1	e3.9	e3.7	37	14	18	2.1	1.1	0.02	0.90	0.04
5	3.1	e13	e3.4	e3.8	15	13	14	2.3	0.67	0.01	0.77	0.02
6	2.5	e3.4	e3.1	e4.2	11	11	11	8.5	0.46	0.01	0.58	0.01
7	1.8	e1.6	e4.8	e3.7	9.0	10	10	6.0	43	0.07	0.49	0.01
8	1.5	e1.6	e4.4	e2.7	8.4	94	11	2.4	130	43	0.43	0.00
9	1.3	e1.5	e9.0	e2.2	8.1	35	60	1.6	10	3.1	144	0.00
10	1.2	e1.1	e99	e1.4	7.7	18	16	1.3	4.2	0.64	50	0.00
11	1.1	e1.0	e16	e1.5	6.3	15	11	1.00	1.4	0.32	8.4	0.00
12	1.0	e14	e8.3	e1.8	5.9	16	8.7	1.6	0.68	0.25	2.9	0.00
13	23	e95	e5.3	e1.3	4.8	13	49	3.4	0.53	0.17	1.3	0.00
14	15	e11	e3.5	e180	6.1	19	21	2.0	0.42	0.21	1.3	0.00
15	5.5	e4.7	e2.1	e28	7.7	14	12	1.5	0.32	0.23	0.82	0.00
16	3.5	e4.0	e1.3	e12	6.6	56	9.0	1.2	0.25	0.17	0.60	0.00
17	2.3	e3.7	e1.8	e9.8	4.6	210	7.5	0.94	0.20	0.12	0.59	0.00
18	1.8	e2.6	e2.1	e5.1	4.0	65	6.9	0.78	0.19	0.09	0.75	0.00
19	e1.5	e2.4	e3.5	e4.1	3.4	28	5.2	0.76	0.15	0.08	0.55	0.00
20	e2.4	e1.9	e7.7	e5.3	3.4	22	5.2	2.5	0.14	23	0.58	0.00
21	e2.3	e1.4	e1.7	e7.3	5.1	18	3.9	9.0	0.15	2.1	0.57	0.00
22	e1.6	e1.2	e1.4	e6.2	5.1	16	3.7	2.1	0.11	0.45	0.41	0.00
23	e1.4	e56	e12	e13	3.8	69	3.4	1.0	0.09	4.0	0.36	0.00
24	e1.3	e28	e15	e3.7	50	30	2.9	0.79	0.08	0.66	0.39	0.00
25	e1.6	e12	e5.8	e3.1	20	20	2.3	0.64	0.08	0.29	0.36	0.00
26	e1.7	e5.7	e8.4	e4.7	11	17	2.1	0.53	0.07	0.17	0.28	0.00
27	e1.5	e3.3	e8.4	e5.9	8.6	15	2.0	0.44	0.05	0.11	0.24	0.00
28	e1.3	e98	e4.5	e3.6	127	46	1.8	0.39	0.06	0.11	0.20	0.00
29	e1.3	e17	e3.7	e2.3	---	28	1.8	0.41	0.08	41	0.18	0.00
30	e1.4	e8.1	e4.6	22	---	17	2.2	0.37	0.08	15	0.16	0.00
31	e1.6	---	e3.9	12	---	16	---	0.34	---	8.2	0.14	---
TOTAL	107.6	406.4	265.6	363.8	426.0	1,031	430.6	69.49	199.87	143.71	225.75	0.37
MEAN	3.47	13.5	8.57	11.7	15.2	33.3	14.4	2.24	6.66	4.64	7.28	0.01
MAX	23	98	99	180	127	210	74	9.0	130	43	144	0.12
MIN	1.0	1.0	1.3	1.3	3.4	10	1.8	0.34	0.05	0.01	0.14	0.00
CFSM	0.29	1.14	0.72	0.99	1.28	2.79	1.21	0.19	0.56	0.39	0.61	0.00
IN.	0.34	1.27	0.83	1.14	1.33	3.22	1.35	0.22	0.62	0.45	0.71	0.00

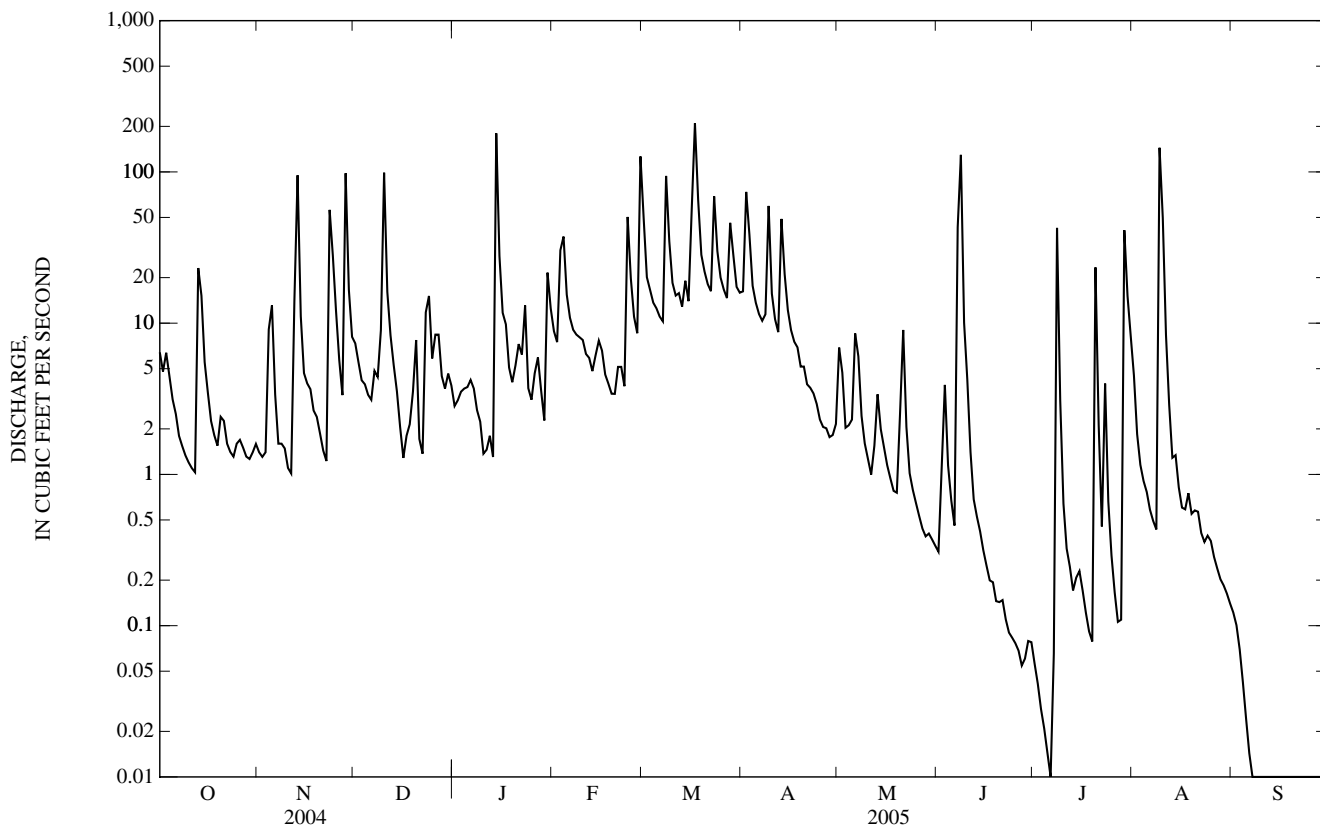
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2005, BY WATER YEAR (WY)

MEAN	7.27	8.33	14.2	14.5	23.1	27.3	18.0	3.68	6.98	3.29	11.5	9.94
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	0.01
(WY)	(2002)	(2002)	(2001)	(2001)	(2002)	(2000)	(2004)	(2002)	(2002)	(2002)	(2002)	(2005)

0209782609 WHITE OAK CREEK AT MOUTH NEAR GREEN LEVEL, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2000 - 2005	
ANNUAL TOTAL	4,515.27		3,670.19		12.3	
ANNUAL MEAN	12.3		10.1		25.3	
HIGHEST ANNUAL MEAN					5.51	2003
LOWEST ANNUAL MEAN					0.00	2002
HIGHEST DAILY MEAN	207	Aug 14	210	Mar 17	472	Apr 10, 2003
LOWEST DAILY MEAN	0.00	Jun 21	0.00	Sep 8	0.00	May 28, 2002
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 21	0.00	Sep 8	0.00	May 28, 2002
MAXIMUM PEAK FLOW			431	Aug 9	1,140	Oct 11, 2002
MAXIMUM PEAK STAGE			8.14	Aug 9	10.51	Oct 11, 2002
INSTANTANEOUS LOW FLOW			0.00*	Sep 8	0.00*	May 28, 2002
ANNUAL RUNOFF (CFSM)	1.04		0.845		1.03	
ANNUAL RUNOFF (INCHES)	14.11		11.47		14.02	
10 PERCENT EXCEEDS	29		21		27	
50 PERCENT EXCEEDS	3.3		2.6		2.8	
90 PERCENT EXCEEDS	0.05		0.07		0.03	

* See REMARKS.
e Estimated.



0209782609 WHITE OAK CREEK AT MOUTH NEAR GREEN LEVEL, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Molybdenum, water, unfltrd recover-able, ug/L (01062)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover-able, ug/L (01077)	Zinc, water, unfltrd recover-able, ug/L (01092)	Suspended sediment concentration mg/L (80154)
OCT 18...	<.2	.75	.4	<.16	E1	5
DEC 09...	--	--	--	--	--	12
FEB 08...	--	--	--	--	--	10
APR 24...	<.2	1.56	.6	<.16	10	199
JUN 13...	<.2	1.63	.8	<.16	8	154
AUG 16...	--	--	--	--	--	6
AUG 10...	--	--	--	--	--	54

Remark codes used in this table:

< -- Less than.

E -- Estimated.

Medium codes used in this table:

9 -- Surface water.

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 2004 TO SEPTEMBER 2005

Date	Time	Medium code	Color, water, fltrd, Pt-Co units (00080)	Sam-pling depth, meters (00098)	Trans-parency Secchi disc, meters (00078)	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)
OCT													
19...	1045	9	18	1.0	.60	755	7.1	80	7.2	158	20.5	31	7.77
19...	1050	9	--	4.0	--	755	5.2	58	6.8	155	20.0	--	--
19...	1055	9	--	8.0	--	755	4.7	53	7.0	156	20.0	--	--
APR													
21...	1045	9	30	1.0	.90	756	9.6	101	8.3	143	17.3	30	7.27
21...	1050	9	--	4.0	--	756	4.9	48	6.7	144	14.3	--	--
21...	1055	9	--	7.0	--	756	4.9	48	6.8	147	14.3	--	--
JUN													
24...	1145	9	25	1.0	.70	763	8.5	109	8.8	164	27.8	34	8.42
24...	1150	9	--	4.0	--	763	4.1	50	7.1	161	25.0	--	--
24...	1155	9	--	8.0	--	763	.2	2	6.9	186	20.1	--	--
AUG													
08...	1445	9	15	1.0	.80	759	6.3	83	7.6	169	29.3	34	8.43
08...	1446	R	--	1.0	.80	759	6.3	83	7.6	169	29.3	--	--
08...	1447	R	--	1.0	.80	759	6.3	83	7.6	169	29.3	--	--
08...	1448	R	--	1.0	.80	759	6.3	83	7.6	169	29.3	--	--
08...	1449	R	--	1.0	.80	759	6.3	83	7.6	169	29.3	--	--
08...	1450	9	--	5.0	--	759	2.6	34	6.7	172	28.6	--	--
08...	1455	9	--	9.0	--	759	.1	1	6.5	211	21.1	--	--
Date	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd, titr., mg/L as CaCO3 (00419)	Bicar-bonate, wat unfltrd, titr., 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)
OCT													
19...	2.89	3.52	15.9	32	39	14.3	.2	5.74	10.4	92	.84	E.005	<.016
19...	--	--	--	--	--	--	--	--	--	--	1.0	.088	E.010
19...	--	--	--	--	--	--	--	--	--	--	.92	.137	<.016
APR													
21...	2.84	3.02	15.1	29	35	14.1	.2	3.26	11.6	94	.85	.061	.091
21...	--	--	--	--	--	--	--	--	--	--	.94	.186	.108
21...	--	--	--	--	--	--	--	--	--	--	.98	.241	.123
JUN													
24...	3.19	3.21	15.1	34	42	14.4	.2	1.28	11.5	101	.68	.015	<.016
24...	--	--	--	--	--	--	--	--	--	--	.65	E.007	<.016
24...	--	--	--	--	--	--	--	--	--	--	1.3	.512	<.016
AUG													
08...	3.15	3.42	15.5	38	46	15.7	.2	2.31	11.1	98	.64	<.050	<.080
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	.62	<.050	<.080
08...	--	--	--	--	--	--	--	--	--	--	1.9	1.25	<.080

0209799150 B. EVERETT JORDAN LAKE ABOVE U.S. HIGHWAY 64 NEAR WILSONVILLE, NC—Continued

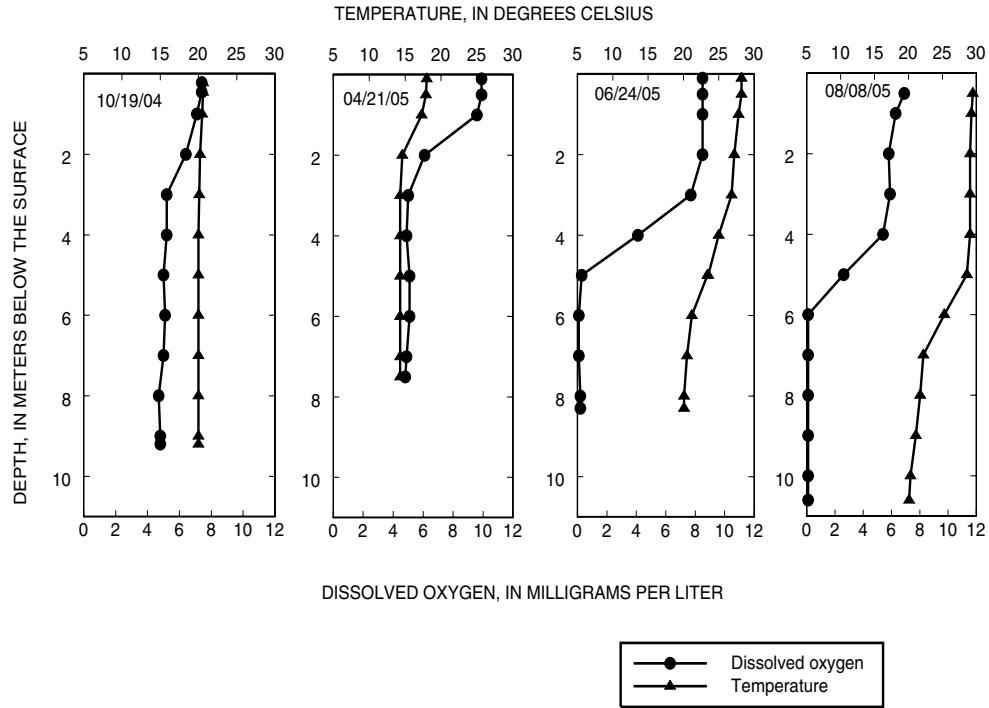
WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Chlorophyll b phytoplankton, fluoro, ug/L (70954)	Aluminum, water, unfltrd recover-able, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, 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)
OCT 19...	<.002	<.006	.048	10.1	E20.3	<.1	58	<2	<.04	<.8	.186	1.2	170
19...	E.001	<.006	.062	--	--	--	--	--	--	--	--	--	350
19...	E.001	<.006	.053	--	--	--	--	--	--	--	--	--	280
APR 21...	.008	<.006	.058	10.6	8.8	<.1	81	<2	<.04	<.8	.229	1.8	160
21...	.009	<.006	.067	--	--	--	--	--	--	--	--	--	310
21...	.011	<.006	.074	--	--	--	--	--	--	--	--	--	430
JUN 24...	<.002	<.030	.036	8.5	6.2	<.1	--	--	--	--	--	--	50
24...	<.002	<.030	.037	--	--	--	--	--	--	--	--	--	70
24...	<.002	.032	.167	--	--	--	--	--	--	--	--	--	2,240
AUG 08...	<.010	<.030	.034	8.6	7.3	<.1	--	--	--	--	--	--	60
08...	--	--	--	--	4.5	<.1	--	--	--	--	--	--	--
08...	--	--	--	--	12.6	<.1	--	--	--	--	--	--	--
08...	--	--	--	--	12.4	<.1	--	--	--	--	--	--	--
08...	--	--	--	--	17.6	<.1	--	--	--	--	--	--	--
08...	<.010	<.030	.035	--	--	--	--	--	--	--	--	--	90
08...	<.010	.110	.18	--	--	--	--	--	--	--	--	--	3,650

Date	Lead, water, unfltrd recover-able, ug/L (01051)	Manganese, water, unfltrd recover-able, ug/L (01055)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, unfltrd recover-able, ug/L (01062)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover-able, ug/L (01077)	Zinc, water, unfltrd recover-able, ug/L (01092)
OCT 19...	.18	129	E.01	2.8	.70	.8	<.16	4
19...	--	350	--	--	--	--	--	--
19...	--	256	--	--	--	--	--	--
APR 21...	.25	66	.09	1.6	.86	.9	<.16	2
21...	--	177	--	--	--	--	--	--
21...	--	260	--	--	--	--	--	--
JUN 24...	--	48.8	--	--	--	--	--	--
24...	--	74.1	--	--	--	--	--	--
24...	--	2,410	--	--	--	--	--	--
AUG 08...	--	101	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--
08...	--	196	--	--	--	--	--	--
08...	--	3,830	--	--	--	--	--	--

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

Medium codes used in this table:
 9 -- Surface water.
 R -- Quality-control sample, surface water.



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 USGS Water Science Center, 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 2004 TO SEPTEMBER 2005

Date	Time	Medium code	Color, water, fltrd, Pt-Co units (00080)	Sam-pling depth, meters (00098)	Trans-parency Secchi disc, meters (00078)	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 un-f 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)		
OCT															
20...	1000	9	20	1.0	.70	755	8.8	99	8.1	156	21.1	30	7.46		
20...	1005	9	--	3.0	--	755	8.6	97	7.9	155	21.1	--	--		
20...	1010	9	--	6.0	--	755	6.3	71	7.2	156	20.6	--	--		
APR															
21...	1000	9	30	1.0	.90	755	11.8	126	9.1	145	18.4	30	7.13		
21...	1005	9	--	3.0	--	755	10.2	106	8.3	142	16.8	--	--		
21...	1010	9	--	6.0	--	755	6.6	66	7.0	144	14.4	--	--		
JUN															
24...	1045	9	25	1.0	.60	763	9.0	113	9.0	162	27.2	32	7.79		
24...	1050	9	--	3.0	--	763	8.0	98	8.6	159	26.1	--	--		
24...	1055	9	--	6.0	--	763	.1	2	6.8	170	21.5	--	--		
AUG															
08...	1415	9	15	1.0	.80	759	8.4	113	8.6	167	30.9	33	7.95		
08...	1420	9	--	3.0	--	759	5.3	70	7.2	165	29.8	--	--		
08...	1425	9	--	6.0	--	759	.2	2	6.7	184	26.9	--	--		
Date			Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat un-f incrm. titr., mg/L as CaCO3 (00419)	Bicar-bonate, wat un-f incrm. titr., 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)
OCT															
20...	2.65	3.45	15.2	35	43	14.5	.2	5.76	10.8	94	.77	E.005	<.016		
20...	--	--	--	--	--	--	--	--	--	--	.81	E.005	<.016		
20...	--	--	--	--	--	--	--	--	--	--	.81	E.006	<.016		
APR															
21...	2.86	2.99	15.3	28	34	13.6	.2	3.26	11.8	95	.86	E.006	.040		
21...	--	--	--	--	--	--	--	--	--	--	.88	E.008	.063		
21...	--	--	--	--	--	--	--	--	--	--	.72	.073	.134		
JUN															
24...	3.08	3.10	15.1	29	36	13.9	.2	1.72	12.1	88	.64	E.008	<.016		
24...	--	--	--	--	--	--	--	--	--	--	.68	<.010	<.016		
24...	--	--	--	--	--	--	--	--	--	--	.83	.198	<.016		
AUG															
08...	3.16	3.31	15.8	36	43	15.0	.2	1.84	11.7	89	.60	.011	E.013		
08...	--	--	--	--	--	--	--	--	--	--	.59	<.050	<.080		
08...	--	--	--	--	--	--	--	--	--	--	.59	<.050	<.080		

0209801100 B. EVERETT JORDAN LAKE AT BELLS LANDING NEAR GRIFFINS CROSSROADS, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

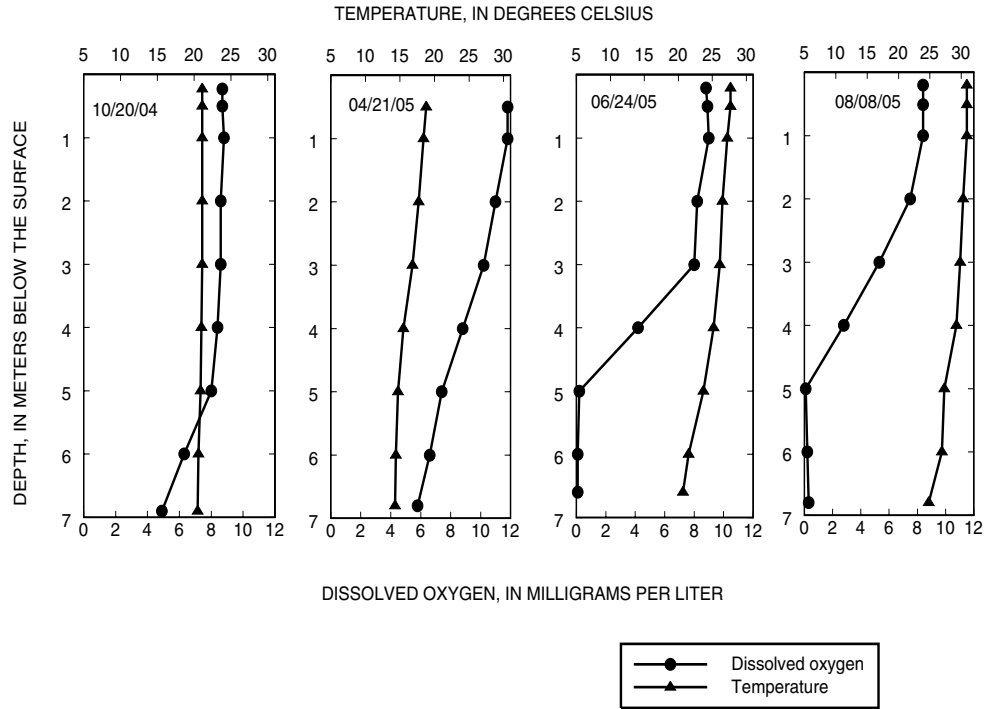
Date	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Chlorophyll b phytoplankton, fluoro, ug/L (70954)	Aluminum, water, unfltrd recover-able, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, 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)
OCT													
20...	<.002	<.006	.046	10.1	E15.6	<.1	51	<2	<.04	<.8	.193	.7	150
20...	<.002	E.003	.045	--	--	--	--	--	--	--	--	--	150
20...	E.001	<.006	.045	--	--	--	--	--	--	--	--	--	160
APR													
21...	.007	<.006	.053	9.8	8.7	<.1	35	<2	<.04	<.8	.182	1.6	90
21...	.007	<.006	.051	--	--	--	--	--	--	--	--	--	110
21...	.010	<.006	.045	--	--	--	--	--	--	--	--	--	150
JUN													
24...	<.002	<.030	.031	10.2	2.8	<.1	--	--	--	--	--	--	50
24...	<.002	<.030	.034	--	--	--	--	--	--	--	--	--	90
24...	<.002	<.030	.053	--	--	--	--	--	--	--	--	--	420
AUG													
08...	E.001	<.006	.030	8.3	8.9	1.9	--	--	--	--	--	--	60
08...	<.010	<.030	.032	--	--	--	--	--	--	--	--	--	130
08...	<.010	<.04	.039	--	--	--	--	--	--	--	--	--	160

Date	Lead, water, unfltrd recover-able, ug/L (01051)	Manganese, water, unfltrd recover-able, ug/L (01055)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, unfltrd recover-able, ug/L (01062)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover-able, ug/L (01077)	Zinc, water, unfltrd recover-able, ug/L (01092)
OCT								
20...	.17	95.4	E.01	2.8	.76	.9	<.16	2
20...	--	95.5	--	--	--	--	--	--
20...	--	104	--	--	--	--	--	--
APR								
21...	.14	39	.07	1.5	.80	.7	<.16	E2
21...	--	42.8	--	--	--	--	--	--
21...	--	64.2	--	--	--	--	--	--
JUN								
24...	--	38.1	--	--	--	--	--	--
24...	--	55.5	--	--	--	--	--	--
24...	--	1,690	--	--	--	--	--	--
AUG								
08...	--	54.5	--	--	--	--	--	--
08...	--	96.5	--	--	--	--	--	--
08...	--	742	--	--	--	--	--	--

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

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

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 mi².

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 ft³ at 240.0 ft, of which 23,454,011,000 ft³ is controlled flood storage. (See station 02098198.)

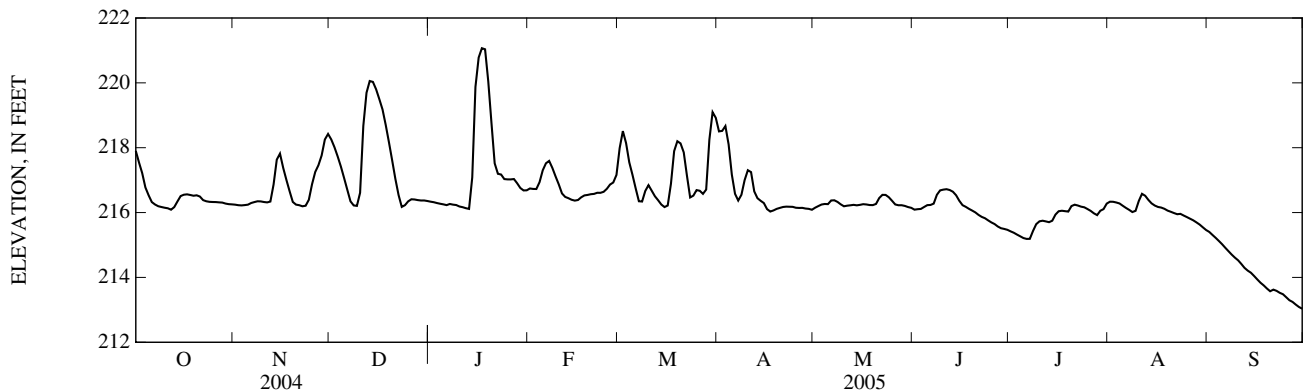
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 233.83 ft, Apr. 15, 2003; minimum elevation, 207.85 ft, Nov. 12, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 221.22 ft, Jan. 18; minimum elevation, 212.98 ft, Sept. 30.

COOPERATION.--Some records furnished by U.S. Army Corps of Engineers.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	217.90	216.24	218.25	216.34	216.74	217.99	218.50	216.15	216.09	215.42	216.33	215.40
2	217.55	216.23	218.01	216.32	216.73	218.51	218.52	216.20	216.10	215.38	216.33	215.31
3	217.22	216.22	217.73	216.29	216.73	218.14	218.67	216.25	216.11	215.32	216.31	215.22
4	216.77	216.23	217.42	216.27	216.94	217.55	218.10	216.26	216.17	215.27	216.28	215.12
5	216.53	216.24	217.07	216.25	217.30	217.16	217.17	216.26	216.23	215.21	216.21	215.02
6	216.32	216.29	216.70	216.23	217.52	216.74	216.58	216.37	216.23	215.19	216.14	214.91
7	216.25	216.32	216.35	216.26	217.59	216.35	216.37	216.38	216.28	215.19	216.08	214.81
8	216.20	216.35	216.22	216.24	217.38	216.34	216.55	216.33	216.55	215.43	216.02	214.70
9	216.17	216.34	216.21	216.23	217.11	216.67	217.00	216.25	216.68	215.64	216.05	214.61
10	216.15	216.32	216.61	216.19	216.87	216.84	217.31	216.19	216.71	215.73	216.36	214.53
11	216.13	216.31	218.67	216.17	216.59	216.67	217.25	216.21	216.72	215.75	216.58	214.41
12	216.09	216.34	219.69	216.14	216.48	216.50	216.65	216.22	216.69	215.73	216.52	214.29
13	216.17	216.87	220.06	216.11	216.44	216.38	216.44	216.24	216.64	215.70	216.39	214.21
14	216.34	217.63	220.03	217.09	216.39	216.25	216.36	216.22	216.53	215.75	216.28	214.14
15	216.51	217.82	219.80	219.88	216.37	216.17	216.29	216.24	216.36	215.94	216.22	214.04
16	216.55	217.38	219.49	220.78	216.39	216.22	216.11	216.26	216.23	216.04	216.17	213.94
17	216.56	217.01	219.18	221.07	216.47	216.89	216.03	216.25	216.18	216.06	216.15	213.83
18	216.54	216.66	218.70	221.03	216.53	217.89	216.07	216.23	216.11	216.04	216.12	213.75
19	216.52	216.33	218.17	220.04	216.54	218.20	216.11	216.23	216.06	216.03	216.06	213.66
20	216.53	216.24	217.61	218.76	216.57	218.13	216.14	216.27	216.01	216.20	216.02	213.57
21	216.49	216.23	217.04	217.52	216.58	217.86	216.17	216.45	215.93	216.24	215.98	213.62
22	216.38	216.19	216.54	217.20	216.61	217.14	216.18	216.55	215.87	216.22	215.95	213.59
23	216.35	216.21	216.17	217.17	216.61	216.47	216.18	216.54	215.82	216.18	215.96	213.52
24	216.33	216.39	216.23	217.03	216.64	216.52	216.18	216.47	215.76	216.16	215.91	213.48
25	216.33	216.87	216.34	217.02	216.73	216.69	216.15	216.36	215.70	216.11	215.86	213.39
26	216.32	217.25	216.41	217.02	216.86	216.67	216.14	216.25	215.65	216.05	215.81	213.30
27	216.31	217.46	216.40	217.03	216.93	216.58	216.15	216.23	215.57	215.98	215.76	213.24
28	216.31	217.76	216.38	216.90	217.16	216.71	216.12	216.23	215.52	215.92	215.70	213.16
29	216.28	218.25	216.37	216.76	---	218.25	216.11	216.20	215.49	216.06	215.63	213.09
30	216.26	218.42	216.37	216.68	---	219.10	216.09	216.17	215.47	216.11	215.54	213.03
31	216.25	---	216.36	216.69	---	218.92	---	216.15	---	216.28	215.46	---
MEAN	216.47	216.75	217.50	217.31	216.78	217.18	216.66	216.28	216.12	215.82	216.07	214.10
MAX	217.90	218.42	220.06	221.07	217.59	219.10	218.67	216.55	216.72	216.28	216.58	215.40
MIN	216.09	216.19	216.17	216.11	216.37	216.17	216.03	216.15	215.47	215.19	215.46	213.03



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 mi².

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.

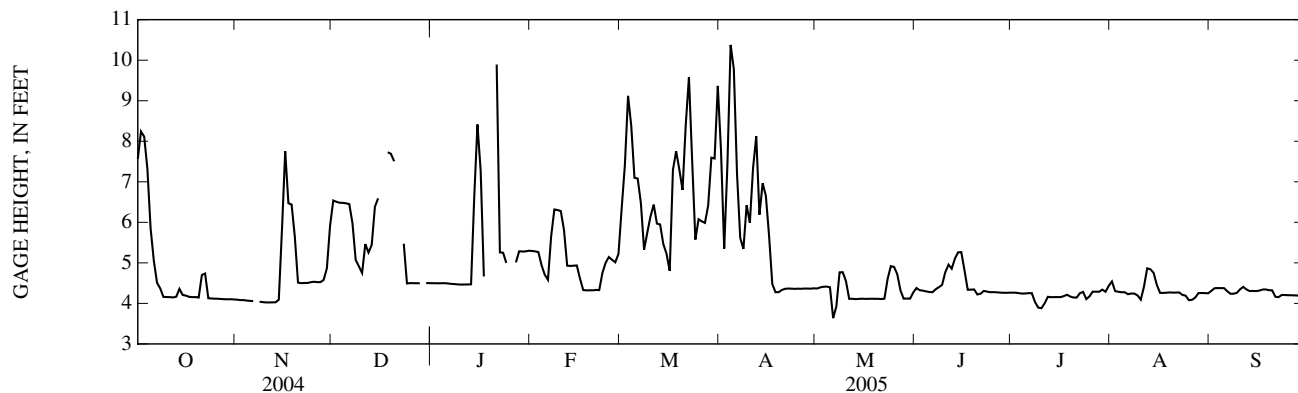
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 22.41 ft, Oct. 25, 1971 at site 0.3 mi downstream; minimum gage height not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.58 ft, Jan. 20; minimum gage height, 3.23 ft, Aug. 23.

REMARKS.--Stage regulated by B. Everett Jordan Lake Dam (Station 02098197).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.57	4.09	6.54	4.50	5.29	6.34	7.77	4.37	4.38	4.26	4.54	4.31
2	8.24	4.08	6.51	4.50	5.28	7.41	5.35	4.40	4.33	4.26	4.30	4.37
3	8.12	4.08	6.48	4.50	5.27	9.12	7.41	4.41	4.31	4.25	4.29	4.38
4	7.32	4.07	6.48	4.50	4.94	8.38	10.38	4.41	4.30	4.24	4.28	4.38
5	5.84	4.06	6.47	4.50	4.71	7.10	9.78	4.40	4.28	4.24	4.28	4.38
6	5.05	4.06	6.45	4.49	4.58	7.08	7.19	3.64	4.28	4.25	4.23	4.30
7	4.51	---	5.98	4.48	5.66	6.47	5.62	3.92	4.35	4.25	4.24	4.24
8	4.37	4.04	5.07	4.47	6.32	5.32	5.35	4.77	4.40	4.03	4.24	4.24
9	4.16	4.03	4.91	4.47	6.30	5.75	6.42	4.77	4.46	3.90	4.20	4.26
10	4.16	4.02	4.75	4.47	6.28	6.14	5.99	4.55	4.77	3.88	4.09	4.35
11	4.15	4.02	5.46	4.47	5.81	6.44	7.34	4.11	4.96	4.00	4.41	4.41
12	4.15	4.03	5.26	4.47	4.93	5.97	8.12	4.11	4.86	4.16	4.86	4.34
13	4.16	4.03	5.45	4.47	4.92	5.95	6.19	4.11	5.11	4.15	4.84	4.30
14	4.36	4.09	6.39	6.63	4.93	5.46	6.96	4.11	5.26	4.16	4.75	4.31
15	4.21	5.83	6.59	8.41	4.94	5.23	6.66	4.12	5.26	4.16	4.46	4.30
16	4.19	7.75	---	7.26	4.61	4.80	5.67	4.11	4.81	4.15	4.26	4.32
17	4.16	6.47	---	4.66	4.33	7.29	4.48	4.11	4.33	4.18	4.26	4.34
18	4.15	6.44	7.73	---	4.32	7.76	4.28	4.11	4.34	4.21	4.26	4.34
19	4.16	5.65	7.69	---	4.32	7.30	4.28	4.11	4.34	4.17	4.27	4.33
20	4.14	4.51	7.51	---	4.32	6.80	4.33	4.11	4.22	4.14	4.27	4.32
21	4.70	4.50	---	9.89	4.33	8.40	4.36	4.11	4.24	4.14	4.27	4.16
22	4.74	4.50	---	5.26	4.33	9.58	4.37	4.12	4.31	4.25	4.27	4.15
23	4.13	4.50	5.47	5.25	4.75	7.53	4.36	4.61	4.29	4.28	4.21	4.21
24	4.12	4.52	4.49	5.00	5.00	5.58	4.36	4.92	4.28	4.10	4.19	4.21
25	4.12	4.53	4.50	---	5.14	6.08	4.36	4.90	4.28	4.17	4.08	4.20
26	4.11	4.52	4.50	---	5.08	6.02	4.36	4.72	4.27	4.29	4.09	4.20
27	4.11	4.53	4.50	5.01	5.01	5.99	4.37	4.32	4.27	4.29	4.14	4.20
28	4.10	4.58	4.50	5.29	5.22	6.42	4.37	4.12	4.26	4.29	4.25	4.20
29	4.10	4.86	---	5.28	---	7.59	4.36	4.12	4.26	4.34	4.26	4.14
30	4.10	5.91	4.50	5.28	---	7.57	4.37	4.12	4.26	4.29	4.25	4.11
31	4.10	---	4.50	5.30	---	9.37	---	4.27	---	4.43	4.25	---
MEAN	4.76	---	---	---	5.03	6.85	5.77	4.29	4.47	4.19	4.31	4.28
MAX	8.24	---	---	---	6.32	9.58	10.38	4.92	5.26	4.43	4.86	4.41
MIN	4.10	---	---	---	4.32	4.80	4.28	3.64	4.22	3.88	4.08	4.11



PRECIPITATION RECORDS

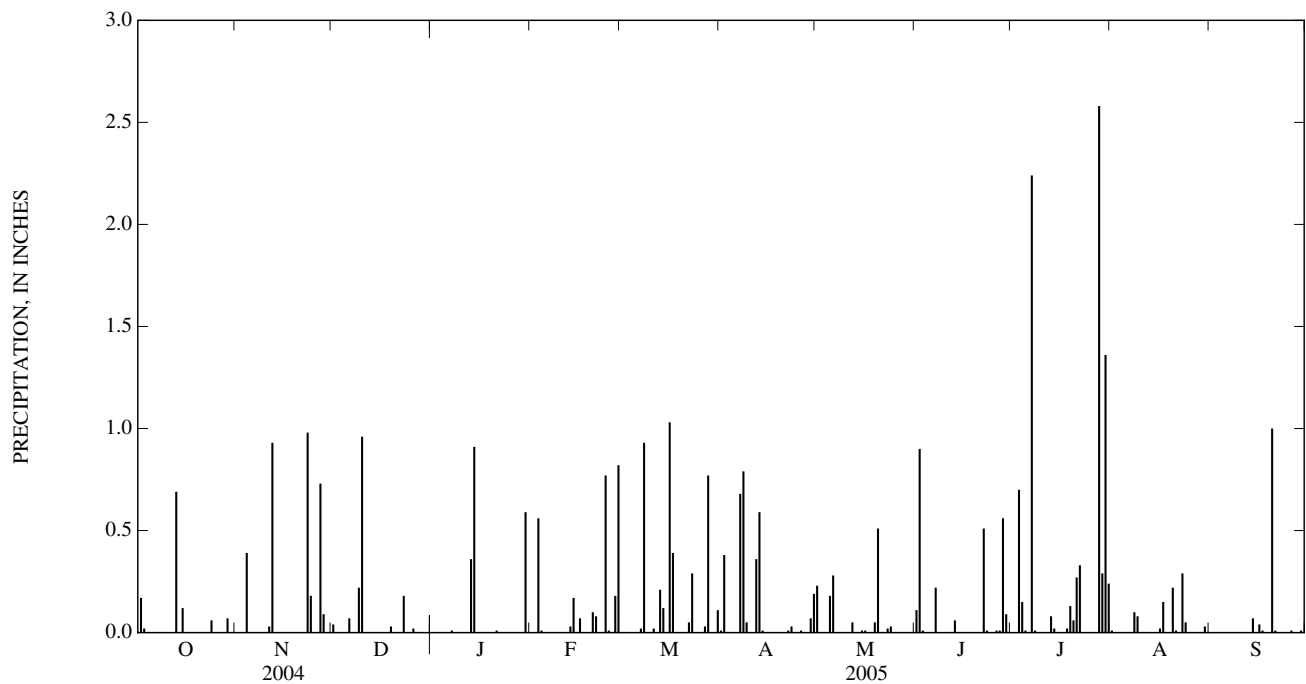
PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Tipping-bucket raingage. Satellite telemetry at station.

REMARKS.--Records fair. 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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.04	0.00	0.00	0.00	0.01	0.23	0.11	0.00	0.01	0.00
2	0.17	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.90	0.00	0.00	0.00
3	0.02	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.01	0.70	0.00	0.00
4	0.00	0.39	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.15	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.01	0.00	0.00
6	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.01	0.00	0.02	0.68	0.00	0.22	2.24	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.93	0.79	0.00	0.00	0.01	0.10	0.00
9	0.00	0.00	0.22	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.08	0.00
10	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.03	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.93	0.00	0.00	0.00	0.00	0.36	0.05	0.00	0.00	0.00	0.00
13	0.69	0.00	0.00	0.36	0.03	0.21	0.59	0.00	0.06	0.08	0.00	0.00
14	0.00	0.00	0.00	0.91	0.17	0.12	0.01	0.00	0.00	0.02	0.00	0.07
15	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.07	1.03	0.00	0.01	0.00	0.00	0.02	0.04
17	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.15	0.01
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
19	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.05	0.00	0.13	0.00	0.00
20	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.51	0.00	0.06	0.22	1.00
21	0.00	0.00	0.00	0.01	0.08	0.00	0.00	0.00	0.00	0.27	0.01	0.01
22	0.00	0.00	0.00	0.00	0.00	0.05	0.01	0.00	0.51	0.33	0.00	0.00
23	0.00	0.98	0.18	0.00	0.00	0.29	0.03	0.02	0.01	0.00	0.29	0.00
24	0.06	0.18	0.00	0.00	0.77	0.00	0.00	0.03	0.00	0.00	0.05	0.00
25	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01
27	0.00	0.73	0.00	0.00	0.18	0.03	0.00	0.00	0.01	0.00	0.00	0.00
28	0.00	0.09	0.00	0.00	0.82	0.77	0.00	0.00	0.56	2.58	0.00	0.00
29	0.07	0.00	0.00	0.00	---	0.00	0.07	0.00	0.09	0.29	0.00	0.01
30	0.00	0.00	0.00	0.59	---	0.00	0.19	0.00	0.00	1.36	0.03	0.00
31	0.00	---	0.00	0.00	---	0.11	---	0.00	---	0.24	0.00	---
TOTAL	1.13	3.33	1.52	1.88	2.80	3.97	3.18	1.37	2.49	8.49	0.96	1.15



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 mi².

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 good except those for estimated daily discharges, which are poor. Maximum discharge, 6,300 ft³/s, gage height, 10.87 ft, from floodmark, from rating curve extended above 1,600 ft³/s on basis of contracted-opening measurement of peak flow. Minimum discharge for period of record also occurred on Aug. 8, 2002. Minimum discharge for current water year also occurred Sept. 20.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	5.2	21	6.8	13	36	14	40	4.0	5.3	18	2.0
2	21	5.5	14	6.9	9.6	18	33	13	43	5.2	9.6	2.1
3	22	6.2	9.2	6.9	66	13	18	9.3	83	11	7.4	1.8
4	9.7	55	6.1	6.7	32	11	13	7.7	26	22	6.4	1.6
5	7.6	19	5.4	7.3	17	9.6	12	7.1	15	13	6.0	1.5
6	7.1	7.2	5.4	7.4	13	8.7	8.4	23	9.9	7.7	5.7	1.5
7	9.1	5.5	16	7.6	11	7.7	24	11	10	39	5.7	1.4
8	8.6	4.7	7.7	7.4	9.3	32	34	8.8	54	35	6.2	1.4
9	7.1	4.4	35	6.9	8.5	17	35	7.3	42	12	29	1.3
10	5.7	4.4	412	7.0	17	11	15	6.2	29	7.0	14	1.1
11	6.1	4.4	61	7.4	12	9.4	12	5.1	15	5.8	7.1	1.1
12	5.6	162	32	7.5	9.0	8.8	13	5.2	10	5.7	6.0	1.1
13	7.6	48	24	7.6	7.7	7.5	14	6.0	10	9.4	5.1	1.1
14	5.9	18	18	146	14	9.9	24	5.5	8.2	68	4.7	1.1
15	5.5	11	12	25	15	8.2	12	6.0	6.5	31	4.2	1.2
16	5.2	8.8	11	18	13	31	9.2	6.6	5.8	12	4.5	1.1
17	5.2	7.5	10	13	8.0	68	7.6	6.0	5.1	7.7	8.2	0.96
18	5.4	5.4	9.8	e11	7.2	27	7.5	5.0	4.7	6.0	8.6	0.99
19	7.5	7.5	8.8	e9.3	6.8	16	5.7	5.0	4.6	5.9	7.7	0.85
20	8.2	5.3	e8.7	8.9	6.8	12	5.9	8.4	4.7	20	14	1.3
21	5.9	4.4	e8.6	9.0	8.7	12	5.7	12	4.4	9.2	17	11
22	6.3	4.1	8.5	8.4	8.2	12	5.7	7.5	4.3	7.9	5.4	2.5
23	5.6	39	35	8.1	7.5	46	9.3	13	4.3	5.4	4.4	1.8
24	8.4	59	21	6.9	36	29	7.5	8.4	3.9	4.7	3.8	1.4
25	7.1	62	13	6.9	21	15	6.4	7.5	3.7	4.4	3.4	1.5
26	6.2	22	9.7	7.1	14	11	5.8	5.5	3.7	4.2	2.8	1.8
27	6.3	17	8.4	6.6	11	10	6.3	4.5	4.7	4.0	2.6	1.7
28	7.9	55	7.8	6.0	117	267	6.1	4.2	24	16	2.5	1.5
29	7.4	18	7.9	e6.4	---	49	8.5	4.1	9.9	97	2.4	1.4
30	5.7	13	8.5	e36	---	22	8.8	3.8	6.2	43	2.6	1.3
31	4.9	---	7.0	20	---	17	---	3.7	---	38	2.7	---
TOTAL	246.8	688.5	862.5	446.0	519.3	851.8	387.4	266.4	459.6	562.5	227.7	52.40
MEAN	7.96	22.9	27.8	14.4	18.5	27.5	12.9	8.59	15.3	18.1	7.35	1.75
MAX	22	162	412	146	117	267	35	40	83	97	29	11
MIN	4.9	4.1	5.4	6.0	6.8	7.5	5.7	3.7	3.7	4.0	2.4	0.85
CFSM	0.54	1.55	1.88	0.97	1.25	1.86	0.87	0.58	1.04	1.23	0.50	0.12
IN.	0.62	1.73	2.17	1.12	1.31	2.14	0.97	0.67	1.16	1.41	0.57	0.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2005,® BY WATER YEAR (WY)

MEAN	12.0	12.0	16.7	24.0	27.5	26.9	21.3	15.5	12.6	13.1	12.8	15.4
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)

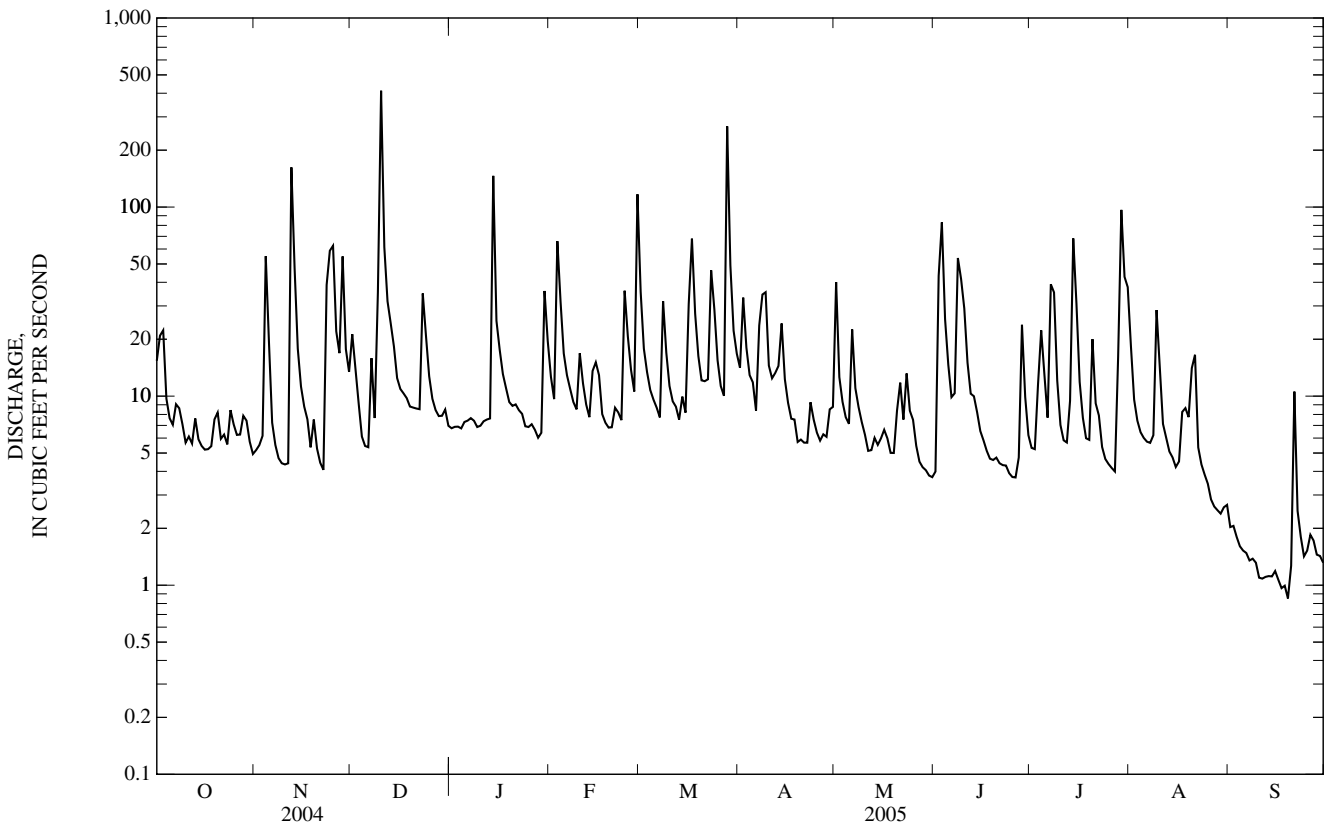
02099000 EAST FORK DEEP RIVER NEAR HIGH POINT, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1929 - 2005 [@]	
ANNUAL TOTAL	7,047.0		5,570.90		17.4	
ANNUAL MEAN	19.3		15.3		7.28	
HIGHEST ANNUAL MEAN					40.4	2003
LOWEST ANNUAL MEAN					7.28	1967
HIGHEST DAILY MEAN	662	Sep 28	412	Dec 10	1,670	Sep 24, 1947
LOWEST DAILY MEAN	1.8	Jul 16	0.85	Sep 19	0.61	Aug 8, 2002
ANNUAL SEVEN-DAY MINIMUM	3.4	Jun 19	1.0	Sep 13	0.65	Aug 7, 2002
MAXIMUM PEAK FLOW			1,380	Dec 10	6,300*	Sep 24, 1947
MAXIMUM PEAK STAGE			10.45	Dec 10	13.46	Sep 23, 2003
INSTANTANEOUS LOW FLOW			0.77*	Sep 19	0.41*	Aug 7, 2002
ANNUAL RUNOFF (CFSM)	1.30		1.03		1.18	
ANNUAL RUNOFF (INCHES)	17.71		14.00		15.99	
10 PERCENT EXCEEDS	32		32		26	
50 PERCENT EXCEEDS	7.5		7.9		7.1	
90 PERCENT EXCEEDS	3.9		3.6		3.6	

[@] See PERIOD OF RECORD.

* See REMARKS.

e Estimated.



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 mi².

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 7.1 ft³/s from Yadkin River Basin for water supply and discharged an average of 6.8 ft³/s of treated effluent upstream from the station. Maximum discharge for period of record from rating curve extended above 18,000 ft³/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.

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 ft³/s.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	727	103	267	159	312	1,560	414	179	56	74	506	48
2	797	129	262	158	232	599	367	230	135	67	357	43
3	404	118	238	156	248	397	436	189	301	68	130	38
4	303	80	189	156	904	305	345	155	306	110	139	35
5	219	307	162	153	475	270	290	151	194	67	75	31
6	177	238	205	142	331	228	231	88	109	119	79	30
7	151	137	180	140	255	217	292	143	135	85	52	29
8	119	108	212	162	234	511	893	158	104	259	39	29
9	123	103	186	119	218	792	920	132	130	261	1,000	28
10	117	104	3,060	146	216	396	492	103	237	98	1,160	29
11	112	104	3,070	133	257	305	308	108	432	109	781	28
12	107	192	821	141	213	258	235	112	252	101	491	28
13	240	1,520	480	150	182	257	276	161	78	102	175	27
14	251	489	355	4,330	186	248	436	144	123	76	69	28
15	176	274	276	1,730	289	235	408	130	139	77	95	27
16	145	183	236	592	275	321	209	90	130	79	109	27
17	101	181	184	405	217	1,530	209	99	66	85	86	28
18	100	167	193	299	198	1,140	202	105	68	79	142	27
19	92	138	181	243	182	563	172	99	42	68	159	27
20	109	127	171	221	172	406	185	115	73	140	114	28
21	128	142	168	216	173	328	186	179	45	177	86	27
22	116	128	166	206	211	279	167	142	42	100	64	27
23	109	191	188	198	198	375	158	115	23	58	61	27
24	106	477	489	186	301	793	157	108	84	35	118	27
25	109	718	292	163	552	492	154	135	34	15	106	27
26	111	525	215	195	336	362	151	114	32	35	69	28
27	105	308	183	183	255	301	143	130	41	35	35	27
28	102	618	170	175	1,340	2,030	115	32	57	42	9.9	28
29	70	538	155	144	---	2,530	143	112	104	182	14	26
30	98	336	160	190	---	1,560	162	67	91	576	44	25
31	107	---	162	463	---	574	---	47	---	618	51	---
TOTAL	5,731	8,783	13,276	12,054	8,962	20,162	8,856	3,872	3,663	3,997	6,415.9	884
MEAN	185	293	428	389	320	650	295	125	122	129	207	29.5
MAX	797	1,520	3,070	4,330	1,340	2,530	920	230	432	618	1,160	48
MIN	70	80	155	119	172	217	115	32	23	15	9.9	25
CFSM	0.53	0.84	1.23	1.11	0.92	1.86	0.85	0.36	0.35	0.37	0.59	0.08
IN.	0.61	0.94	1.42	1.28	0.96	2.15	0.94	0.41	0.39	0.43	0.68	0.09

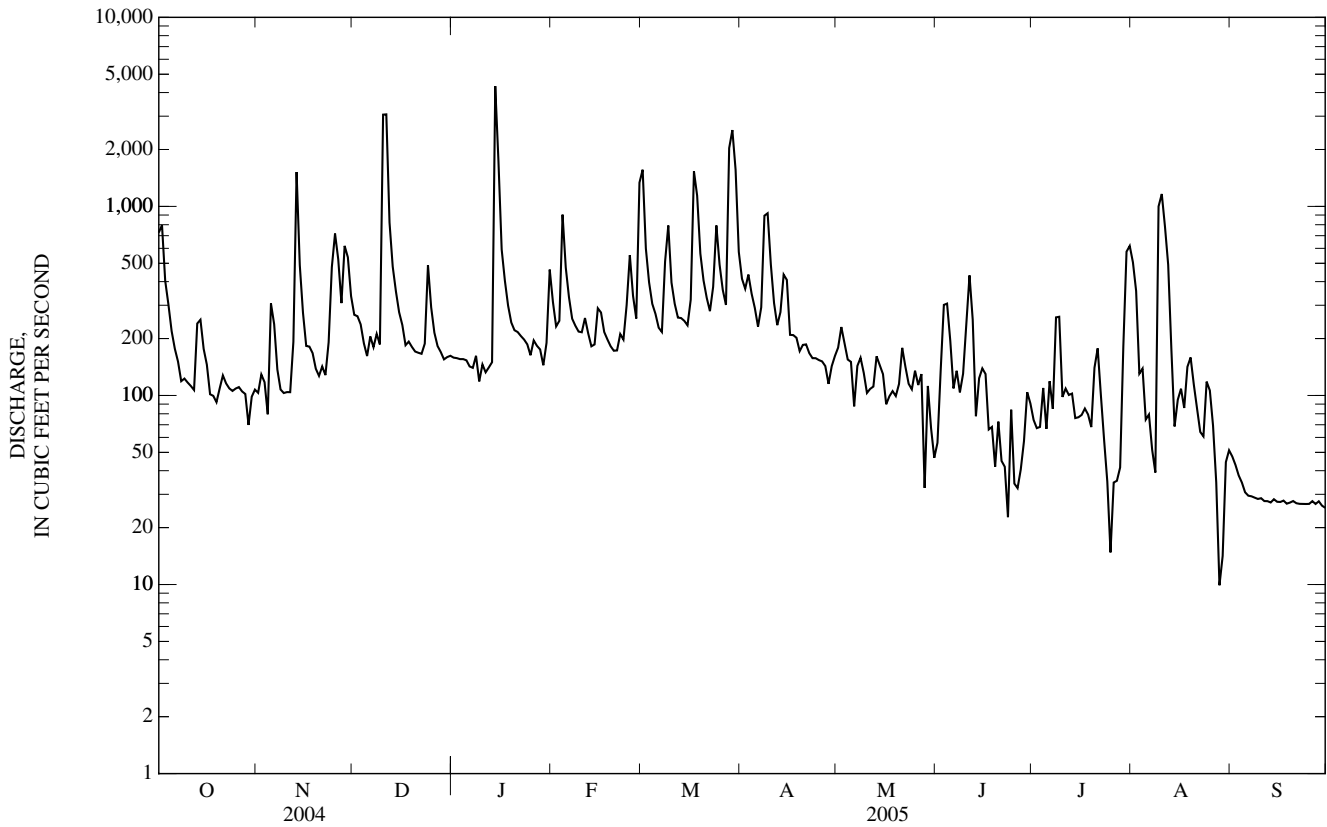
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2005, BY WATER YEAR (WY)

MEAN	211	217	345	544	643	646	496	288	216	220	206	255
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1923 - 2005	
ANNUAL TOTAL	111,164		96,655.9			
ANNUAL MEAN	304		265		356	
HIGHEST ANNUAL MEAN					875	2003
LOWEST ANNUAL MEAN					116	2002
HIGHEST DAILY MEAN	5,440	Sep 28	4,330	Jan 14	27,800	Sep 18, 1945
LOWEST DAILY MEAN	36	Aug 29	9.9	Aug 28	0.70	Nov 29, 1941
ANNUAL SEVEN-DAY MINIMUM	45	Aug 23	27	Sep 24	3.6	Oct 19, 1941
MAXIMUM PEAK FLOW			7,640	Jan 14	43,000*	Sep 18, 1945
MAXIMUM PEAK STAGE			12.88	Jan 14	34.04*	Sep 18, 1945
INSTANTANEOUS LOW FLOW			9.2	Aug 28	0.40*	May 27, 1941
ANNUAL RUNOFF (CFSM)	0.870		0.759		1.02	
ANNUAL RUNOFF (INCHES)	11.85		10.30		13.85	
10 PERCENT EXCEEDS	526		498		685	
50 PERCENT EXCEEDS	168		158		151	
90 PERCENT EXCEEDS	73		35		36	

* 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 mi².

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 fair except those for estimated daily discharges, which are poor. No flow occurred several days in Aug. 1988, July, Aug. 2002.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.7	1.4	4.5	1.3	4.9	29	7.4	3.8	0.87	0.52	5.7	1.4
2	50	1.4	3.5	1.3	4.0	9.9	9.5	2.3	4.5	0.43	2.6	1.4
3	17	1.5	2.7	1.3	23	6.9	6.9	1.9	4.0	0.46	1.5	1.4
4	5.9	4.1	2.2	1.2	19	5.8	4.9	1.7	2.3	0.46	1.0	1.3
5	3.2	4.2	1.8	1.3	7.7	4.9	4.3	1.5	1.7	1.9	0.72	1.2
6	2.0	1.8	2.0	1.4	5.8	4.2	3.8	1.8	1.4	1.0	0.65	1.0
7	1.6	1.3	7.6	1.3	4.9	4.0	9.6	1.8	1.3	0.69	1.5	1.0
8	1.2	1.1	3.2	1.4	4.2	41	24	1.5	1.1	5.2	1.1	1.0
9	1.0	0.87	3.9	1.2	3.9	17	14	1.3	0.94	1.2	11	1.0
10	1.0	0.84	78	1.1	4.0	7.9	5.7	1.3	1.2	0.59	4.7	1.0
11	0.96	0.87	27	1.2	3.4	6.5	4.4	1.4	1.1	0.47	2.4	1.0
12	1.1	16	8.5	1.1	2.9	6.0	3.8	1.5	1.0	0.47	1.7	1.0
13	36	30	5.2	3.3	2.9	6.4	6.6	2.2	0.98	0.48	1.0	1.0
14	7.4	5.5	3.8	205	5.3	5.9	18	1.6	0.99	0.77	0.71	1.1
15	2.2	3.2	2.6	34	7.4	4.9	5.9	1.5	0.93	0.62	0.64	1.1
16	1.6	2.1	2.0	12	6.5	30	4.2	1.5	0.70	0.53	0.59	1.1
17	1.0	1.7	1.8	7.6	5.5	72	3.4	1.3	0.56	0.47	2.4	0.83
18	0.83	1.5	1.7	5.7	4.0	30	3.1	1.1	0.54	0.40	1.3	0.46
19	0.83	1.4	1.7	4.9	3.3	12	2.9	1.0	0.51	0.34	0.95	0.33
20	1.5	1.2	1.5	4.5	3.3	9.4	2.7	1.3	0.47	11	13	0.38
21	1.5	1.1	1.3	4.5	4.0	7.2	2.4	1.4	e0.46	1.9	11	0.44
22	1.5	1.0	1.4	4.0	4.1	6.0	2.3	1.2	e0.40	0.73	3.2	0.66
23	1.4	25	3.6	3.7	3.5	21	2.2	2.5	e0.37	0.46	7.2	0.65
24	1.4	34	3.6	3.2	18	10	e2.1	1.5	e0.34	0.33	3.3	0.63
25	1.6	21	2.1	3.2	8.4	6.9	e2.0	1.8	e0.32	0.29	2.2	0.55
26	1.3	6.2	2.2	3.6	5.3	5.7	e1.9	1.5	e0.31	0.25	1.9	0.43
27	1.3	4.0	1.8	3.3	4.4	5.3	1.9	1.2	e0.30	0.21	1.6	0.41
28	1.1	48	1.5	2.7	65	144	e1.8	1.0	0.57	0.50	1.4	0.40
29	1.3	10	1.4	2.6	---	44	1.7	1.0	0.81	17	1.3	0.38
30	1.7	4.7	1.3	12	---	14	2.0	1.0	0.65	5.5	1.1	0.35
31	1.6	---	1.3	7.7	---	8.7	---	0.88	---	38	1.2	---
TOTAL	161.72	236.98	186.7	342.6	238.6	586.5	165.4	48.28	31.62	93.17	90.56	24.90
MEAN	5.22	7.90	6.02	11.1	8.52	18.9	5.51	1.56	1.05	3.01	2.92	0.83
MAX	50	48	78	205	65	144	24	3.8	4.5	38	13	1.4
MIN	0.83	0.84	1.3	1.1	2.9	4.0	1.7	0.88	0.30	0.21	0.59	0.33
CFSM	0.70	1.06	0.81	1.49	1.15	2.55	0.74	0.21	0.14	0.41	0.39	0.11
IN.	0.81	1.19	0.94	1.72	1.20	2.94	0.83	0.24	0.16	0.47	0.45	0.12

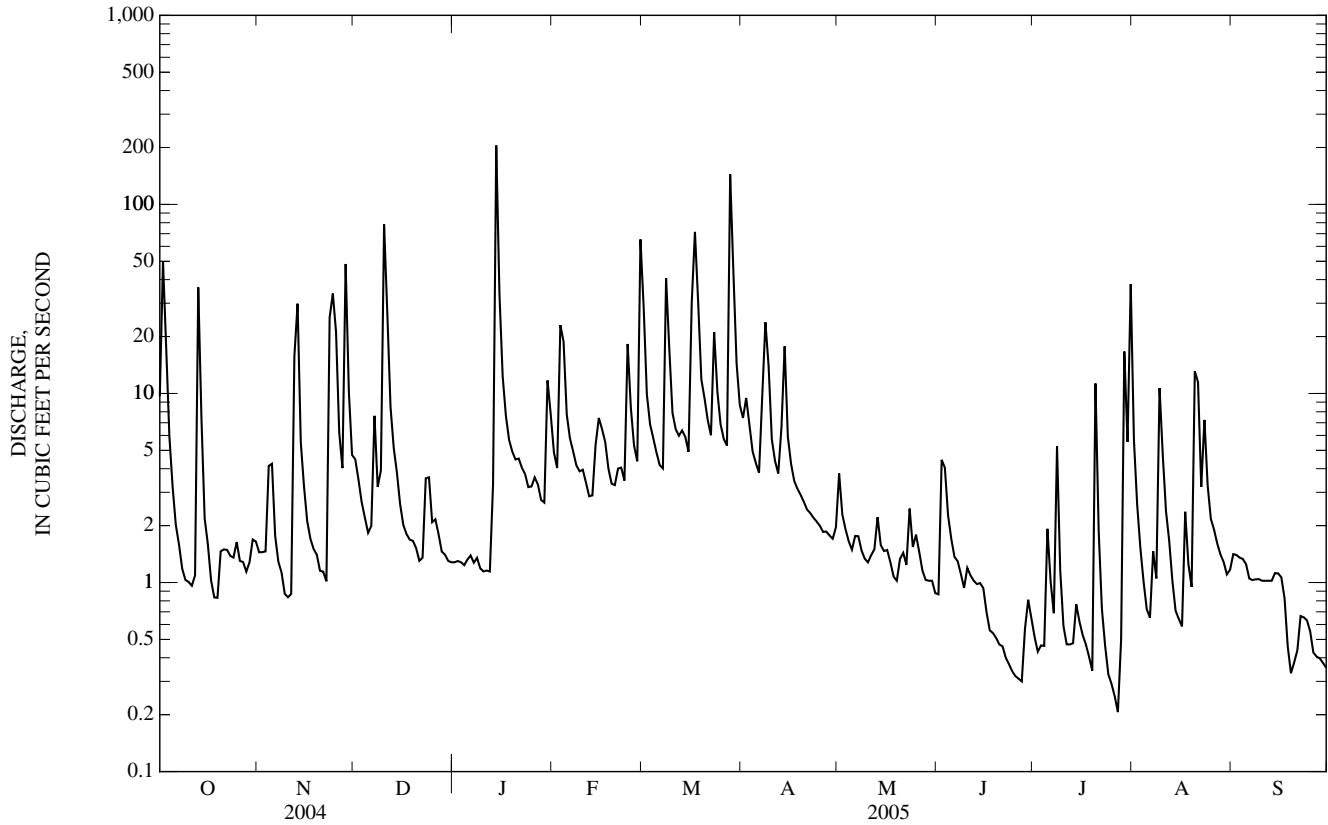
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2005, BY WATER YEAR (WY)

MEAN	5.74	5.16	6.05	12.5	12.9	16.8	10.1	5.27	3.71	3.54	3.41	5.19
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1988 - 2005	
ANNUAL TOTAL	1,908.06		2,207.03			
ANNUAL MEAN	5.21		6.05		7.57	
HIGHEST ANNUAL MEAN					20.5	2003
LOWEST ANNUAL MEAN					2.06	2002
HIGHEST DAILY MEAN	88	Sep 8	205	Jan 14	531	Sep 6, 1996
LOWEST DAILY MEAN	0.35	Aug 23	0.21	Jul 27	0.00	Aug 20, 1988
ANNUAL SEVEN-DAY MINIMUM	0.45	Aug 22	0.36	Jun 21	0.00	Jul 17, 2002
MAXIMUM PEAK FLOW			468	Jan 14	1,670	Sep 6, 1996
MAXIMUM PEAK STAGE			6.91	Jan 14	11.91	Sep 6, 1996
INSTANTANEOUS LOW FLOW			0.17	Jul 28	0.00	Aug 19, 1988
ANNUAL RUNOFF (CFSM)	0.703		0.815		1.02	
ANNUAL RUNOFF (INCHES)	9.57		11.06		13.87	
10 PERCENT EXCEEDS	10		11		14	
50 PERCENT EXCEEDS	2.5		1.8		2.2	
90 PERCENT EXCEEDS	0.79		0.55		0.33	

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 mi²

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 ft³/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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	6.9	9.1	4.5	11	49	16	6.3	0.65	0.18	7.3	0.29
2	531	6.7	7.5	4.6	8.8	24	19	4.6	3.2	0.15	2.3	0.21
3	36	7.1	6.5	4.6	32	17	14	3.6	4.8	0.15	1.1	0.15
4	16	13	5.9	4.9	34	14	9.7	3.3	3.1	0.17	0.68	0.10
5	9.5	11	5.3	4.6	17	12	8.5	2.9	1.9	0.16	0.44	0.06
6	6.9	7.6	4.9	4.6	13	10	7.7	3.0	1.4	0.16	0.28	0.03
7	5.5	6.8	7.1	4.6	11	9.6	8.4	3.2	1.3	1.4	0.20	0.02
8	4.7	6.7	6.3	4.9	11	115	22	3.0	8.3	8.5	0.67	0.01
9	4.1	4.6	5.3	5.1	9.8	39	43	3.0	8.0	1.3	1.2	0.01
10	3.8	2.8	55	4.8	9.6	22	15	2.4	9.5	0.60	1.6	0.01
11	3.4	2.6	22	4.8	8.0	17	11	2.3	4.3	0.36	0.82	0.00
12	3.1	8.2	12	5.1	7.3	15	8.8	2.2	2.4	0.30	0.50	0.00
13	64	15	9.1	14	7.0	12	35	2.2	1.9	0.24	0.36	0.00
14	17	5.6	7.1	487	9.3	21	52	2.7	1.9	0.27	0.49	0.00
15	11	4.1	5.8	51	14	15	18	2.4	1.4	0.32	0.47	0.00
16	8.1	3.8	5.5	25	11	90	11	2.2	1.1	0.34	0.40	0.00
17	5.8	3.9	5.5	17	10	186	9.2	2.0	0.75	0.32	3.9	0.00
18	4.9	3.9	5.4	12	8.3	54	8.1	1.6	0.57	0.60	1.8	0.00
19	4.4	3.9	5.5	10	7.3	28	7.3	1.7	0.46	1.7	0.94	0.00
20	4.2	4.1	5.2	9.9	7.1	21	6.8	2.0	0.43	1.1	0.60	0.00
21	4.1	4.3	4.5	10	9.3	17	5.6	3.1	0.36	0.45	0.56	0.00
22	4.0	4.4	4.8	8.8	9.7	14	5.0	2.0	0.31	2.9	0.45	0.00
23	3.7	29	11	7.9	8.3	26	5.2	1.8	0.27	6.9	0.37	0.00
24	3.6	24	14	6.2	34	19	5.0	1.4	0.23	1.4	0.45	0.00
25	3.9	12	7.7	6.5	24	14	4.4	1.2	0.20	0.75	0.48	0.00
26	3.7	7.2	6.2	7.3	14	12	4.1	1.2	0.20	0.40	0.46	0.00
27	3.4	6.1	5.5	6.6	11	12	4.2	1.1	0.18	0.23	0.45	0.00
28	3.8	63	4.8	6.0	156	188	3.8	0.98	0.19	0.16	0.39	0.00
29	4.4	17	4.8	6.5	---	47	3.7	0.88	0.28	0.47	0.28	0.00
30	5.9	11	4.9	22	---	22	4.4	0.76	0.23	0.39	0.22	0.00
31	7.6	---	4.6	18	---	16	---	0.72	---	13	0.28	---
TOTAL	839.5	306.3	268.8	788.8	512.8	1,157.6	375.9	71.74	59.81	45.37	30.44	0.89
MEAN	27.1	10.2	8.67	25.4	18.3	37.3	12.5	2.31	1.99	1.46	0.98	0.03
MAX	531	63	55	487	156	188	52	6.3	9.5	13	7.3	0.29
MIN	3.1	2.6	4.5	4.5	7.0	9.6	3.7	0.72	0.18	0.15	0.20	0.00
CFSM	1.75	0.66	0.56	1.64	1.18	2.41	0.81	0.15	0.13	0.09	0.06	0.00
IN.	2.01	0.74	0.65	1.89	1.23	2.78	0.90	0.17	0.14	0.11	0.07	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2005,® BY WATER YEAR (WY)

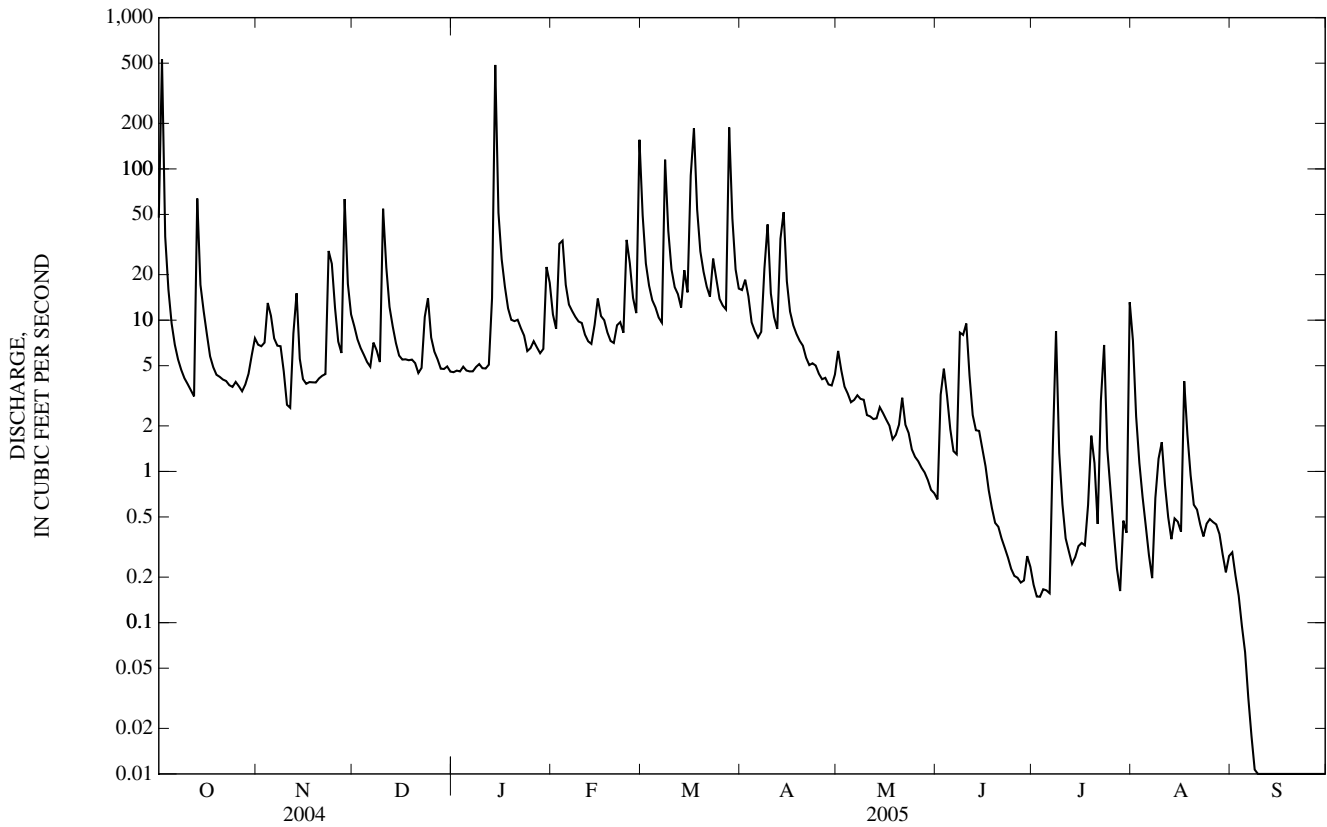
MEAN	8.20	6.82	11.4	25.2	31.2	30.1	18.3	9.11	7.06	7.98	7.62	7.55
MAX	56.6	33.0	53.4	80.4	81.0	74.8	67.1	39.1	48.0	66.6	55.3	75.2
(WY)	(1972)	(1980)	(1973)	(1978)	(1960)	(1998)	(2003)	(1978)	(1973)	(1975)	(1964)	(1996)
MIN	0.00	0.16	0.59	1.27	5.11	4.80	2.45	0.38	0.02	0.04	0.00	0.00
(WY)	(1964)	(1974)	(2002)	(1981)	(2001)	(1981)	(1981)	(2002)	(2002)	(2002)	(1977)	(1980)

02101800 TICK CREEK NEAR MOUNT VERNON SPRINGS, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1958 - 2005 [@]	
ANNUAL TOTAL	4,035.39		4,457.95			
ANNUAL MEAN	11.0		12.2		14.3	
HIGHEST ANNUAL MEAN					29.5	2003
LOWEST ANNUAL MEAN					3.84	1981
HIGHEST DAILY MEAN	531	Oct 2	531	Oct 2	1,570	Sep 6, 1996
LOWEST DAILY MEAN	0.01	Aug 9	0.00	Sep 11	0.00	Sep 2, 1962
ANNUAL SEVEN-DAY MINIMUM	0.02	Aug 6	0.00	Sep 11	0.00	Sep 2, 1962
MAXIMUM PEAK FLOW			2,370	Oct 2	4,010*	Sep 6, 1996
MAXIMUM PEAK STAGE			8.57	Oct 2	13.41	Sep 6, 1996
INSTANTANEOUS LOW FLOW			0.00*	Sep 12	0.00*	Sep 2, 1962
ANNUAL RUNOFF (CFSM)	0.711		0.788		0.923	
ANNUAL RUNOFF (INCHES)	9.68		10.70		12.54	
10 PERCENT EXCEEDS	17		21		25	
50 PERCENT EXCEEDS	5.0		4.6		3.7	
90 PERCENT EXCEEDS	0.31		0.19		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 mi².

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 above 250 ft³/s are fair. Records below 250 ft³/s, and those for estimated daily discharges, are poor. Diurnal fluctuation and some regulation at low flow caused by small power plants upstream from station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,620	213	1,020	384	1,370	8,810	2,190	532	213	e160	2,560	e82
2	3,430	231	735	386	1,090	4,740	2,030	627	238	e141	1,390	e77
3	2,630	232	641	373	897	2,310	2,150	684	1,500	e126	848	e71
4	1,400	240	599	363	2,730	1,530	1,760	633	1,250	e122	568	e66
5	932	295	542	366	2,860	1,190	1,350	538	796	e140	329	e61
6	640	294	459	364	1,730	1,010	1,100	475	613	260	e200	e62
7	492	473	407	368	1,170	893	1,000	467	420	e228	e111	e62
8	406	383	465	390	923	1,810	1,330	425	537	e614	e104	e61
9	302	295	491	324	781	4,530	7,140	413	849	977	e147	e59
10	282	246	1,640	364	725	2,950	4,900	455	1,480	e299	732	e57
11	278	229	6,170	350	652	1,730	2,210	410	2,590	e361	1,740	e55
12	278	234	4,970	293	631	1,280	1,520	513	1,260	266	1,170	e54
13	775	383	2,030	337	616	1,070	2,480	434	806	250	e700	e51
14	2,610	1,610	1,210	10,100	530	1,040	6,760	392	511	e288	e380	e46
15	1,240	1,190	876	14,500	577	1,370	4,990	446	360	241	e220	e54
16	680	655	692	10,800	735	1,730	2,410	409	283	e245	e175	e46
17	491	455	576	2,630	847	11,500	1,540	386	e235	e251	e162	e50
18	383	368	533	1,490	694	10,600	1,120	350	e226	e303	e181	e54
19	301	355	446	1,100	602	4,700	1,010	284	e213	e245	e181	e62
20	291	330	440	846	527	2,510	904	304	e179	e234	e157	e70
21	229	289	435	782	498	1,810	794	320	e160	e205	e152	e91
22	236	257	405	742	508	1,410	740	342	e147	e192	269	e113
23	258	346	411	684	565	1,390	687	382	e138	1,530	e223	e92
24	263	970	579	630	1,140	2,030	625	370	e133	373	e177	e78
25	249	1,250	870	531	2,830	2,190	569	330	e127	e157	e200	e67
26	245	1,270	863	521	2,240	1,650	550	278	e117	e121	e142	e62
27	266	1,130	598	513	1,360	1,270	532	278	e115	e101	e115	e60
28	229	1,890	498	493	4,260	4,230	524	263	133	e102	e102	e68
29	221	2,480	440	476	---	10,500	501	273	180	1,380	e99	e72
30	234	1,660	411	564	---	6,010	476	225	e209	555	e95	e68
31	226	---	387	1,130	---	3,280	---	185	---	2,110	e88	---
TOTAL	24,117	20,253	30,839	53,194	34,088	103,073	55,892	12,423	16,018	12,577	13,717	1,971
MEAN	778	675	995	1,716	1,217	3,325	1,863	401	534	406	442	65.7
MAX	3,620	2,480	6,170	14,500	4,260	11,500	7,140	684	2,590	2,110	2,560	113
MIN	221	213	387	293	498	893	476	185	115	101	88	46
CFSM	0.54	0.47	0.69	1.20	0.85	2.32	1.30	0.28	0.37	0.28	0.31	0.05
IN.	0.63	0.53	0.80	1.38	0.88	2.67	1.45	0.32	0.42	0.33	0.36	0.05

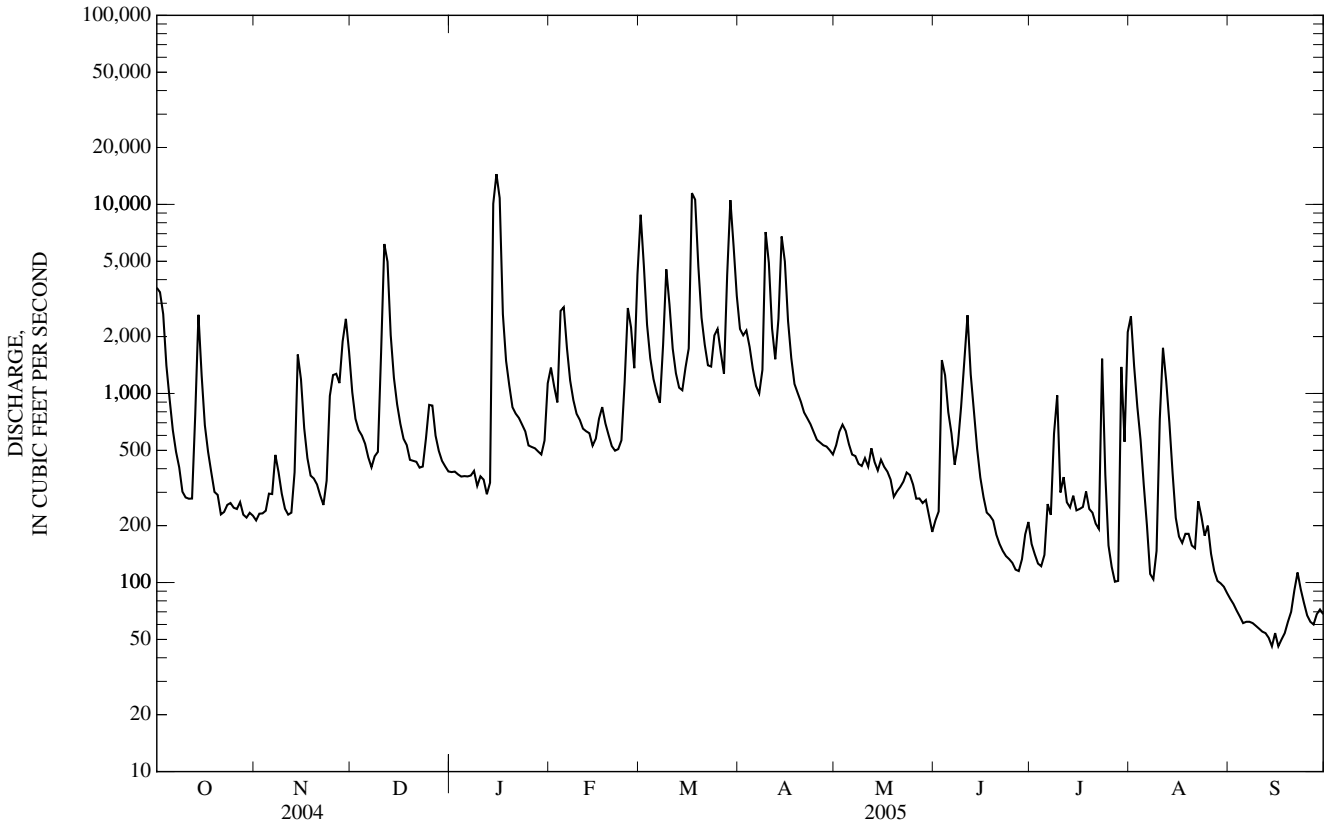
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2005, BY WATER YEAR (WY)

MEAN	740	835	1,304	2,351	2,822	2,866	2,062	1,103	785	828	826	829
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1930 - 2005	
ANNUAL TOTAL	373,341		378,162		1,441	
ANNUAL MEAN	1,020		1,036		391	
HIGHEST ANNUAL MEAN					2,999	2003
LOWEST ANNUAL MEAN					391	2002
HIGHEST DAILY MEAN	13,000	Sep 9	14,500	Jan 15	66,400	Sep 18, 1945
LOWEST DAILY MEAN	105	Aug 12	46	Sep 14	6.0	Oct 9, 1954
ANNUAL SEVEN-DAY MINIMUM	144	Aug 7	51	Sep 12	6.6	Oct 8, 1954
MAXIMUM PEAK FLOW			19,000	Jan 14	80,300	Sep 18, 1945
MAXIMUM PEAK STAGE			8.37	Jan 14	17.20	Sep 18, 1945
INSTANTANEOUS LOW FLOW			NOT DETERMINED		5.5	Oct 10, 1954
ANNUAL RUNOFF (CFSM)	0.711		0.722		1.00	
ANNUAL RUNOFF (INCHES)	9.68		9.81		13.65	
10 PERCENT EXCEEDS	2,360		2,270		3,300	
50 PERCENT EXCEEDS	537		467		533	
90 PERCENT EXCEEDS	213		108		98	

e Estimated.



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 mi².

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 ft³/s, Feb. 2, 1973; gage height: 20.02 ft. Minimum discharge prior to regulation: 0.01 ft³/s, Sept. 2, 1976. Minimum discharge for period of record also occurred Sept. 10-13.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	8.4	12	4.3	35	131	116	25	0.86	0.32	0.51	0.27
2	45	9.3	10	4.1	33	123	110	24	2.1	0.28	0.23	0.28
3	42	9.4	8.8	3.7	41	114	105	22	1.7	1.0	0.20	0.27
4	38	11	7.3	3.3	60	102	95	20	1.2	0.35	0.20	0.24
5	34	12	6.1	3.0	58	95	85	18	1.0	0.26	0.22	0.19
6	26	8.5	5.5	2.9	55	84	74	26	0.85	0.23	0.20	0.13
7	21	9.2	6.3	4.6	51	75	67	19	0.97	0.23	0.19	0.09
8	17	10	6.4	2.6	48	114	70	17	1.0	0.77	0.20	0.08
9	14	8.3	6.8	3.3	45	139	107	15	0.81	0.26	0.25	0.06
10	12	6.0	16	2.8	44	131	93	12	0.86	0.19	0.27	0.06
11	11	5.6	15	2.2	38	119	84	11	0.77	0.18	0.24	0.06
12	8.2	7.6	14	1.8	34	109	76	9.5	0.71	0.18	0.21	0.06
13	7.4	16	13	2.0	31	100	124	8.7	0.65	0.19	0.20	0.06
14	7.5	8.6	12	6.2	30	104	140	6.5	0.68	0.20	0.18	0.07
15	6.9	5.2	11	4.8	30	96	133	5.5	0.60	0.18	0.17	0.08
16	6.0	5.0	7.4	6.7	28	128	115	6.5	0.55	0.16	0.16	0.10
17	6.8	5.5	6.6	6.8	28	282	95	4.4	0.51	0.15	0.41	0.21
18	5.1	6.4	6.2	6.2	25	284	84	3.1	0.47	0.16	0.22	0.18
19	5.0	6.5	6.1	5.4	22	261	74	2.2	0.44	0.26	0.23	0.14
20	6.6	6.5	7.2	5.0	20	238	66	2.7	0.49	0.26	0.31	0.20
21	6.3	6.9	3.4	4.7	21	218	59	4.1	0.45	0.18	0.30	1.00
22	6.2	7.0	3.3	4.2	21	197	52	1.8	0.41	0.22	0.26	0.37
23	6.6	12	5.8	4.4	20	203	45	1.5	0.44	0.55	0.36	0.32
24	6.3	13	10	3.3	41	206	38	2.3	0.43	0.21	0.42	0.33
25	7.5	14	6.9	3.0	53	190	32	1.7	0.39	0.21	0.40	0.32
26	7.4	11	9.0	2.8	50	172	28	1.1	0.40	0.20	0.34	0.31
27	7.3	9.8	6.5	2.8	49	155	26	1.0	0.40	0.18	0.33	0.35
28	8.4	18	5.0	2.4	110	147	23	0.94	0.43	0.20	0.30	0.32
29	9.1	14	4.6	2.1	---	146	21	0.91	0.79	0.65	0.31	0.25
30	11	12	5.0	3.5	---	133	20	0.86	0.56	0.44	0.31	0.22
31	9.6	---	4.4	3.7	---	123	---	0.87	---	0.42	0.32	---
TOTAL	455.2	282.7	247.6	820.6	1,121	4,719	2,257	275.18	21.92	9.27	8.45	6.62
MEAN	14.7	9.42	7.99	26.5	40.0	152	75.2	8.88	0.73	0.30	0.27	0.22
MAX	50	18	16	68	110	284	140	26	2.1	1.0	0.51	1.0
MIN	5.0	5.0	3.3	1.8	20	75	20	0.86	0.39	0.15	0.16	0.06
CFSM	0.19	0.12	0.10	0.35	0.52	2.00	0.99	0.12	0.01	0.00	0.00	0.00
IN.	0.22	0.14	0.12	0.40	0.55	2.30	1.10	0.13	0.01	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2005,[@] BY WATER YEAR (WY)

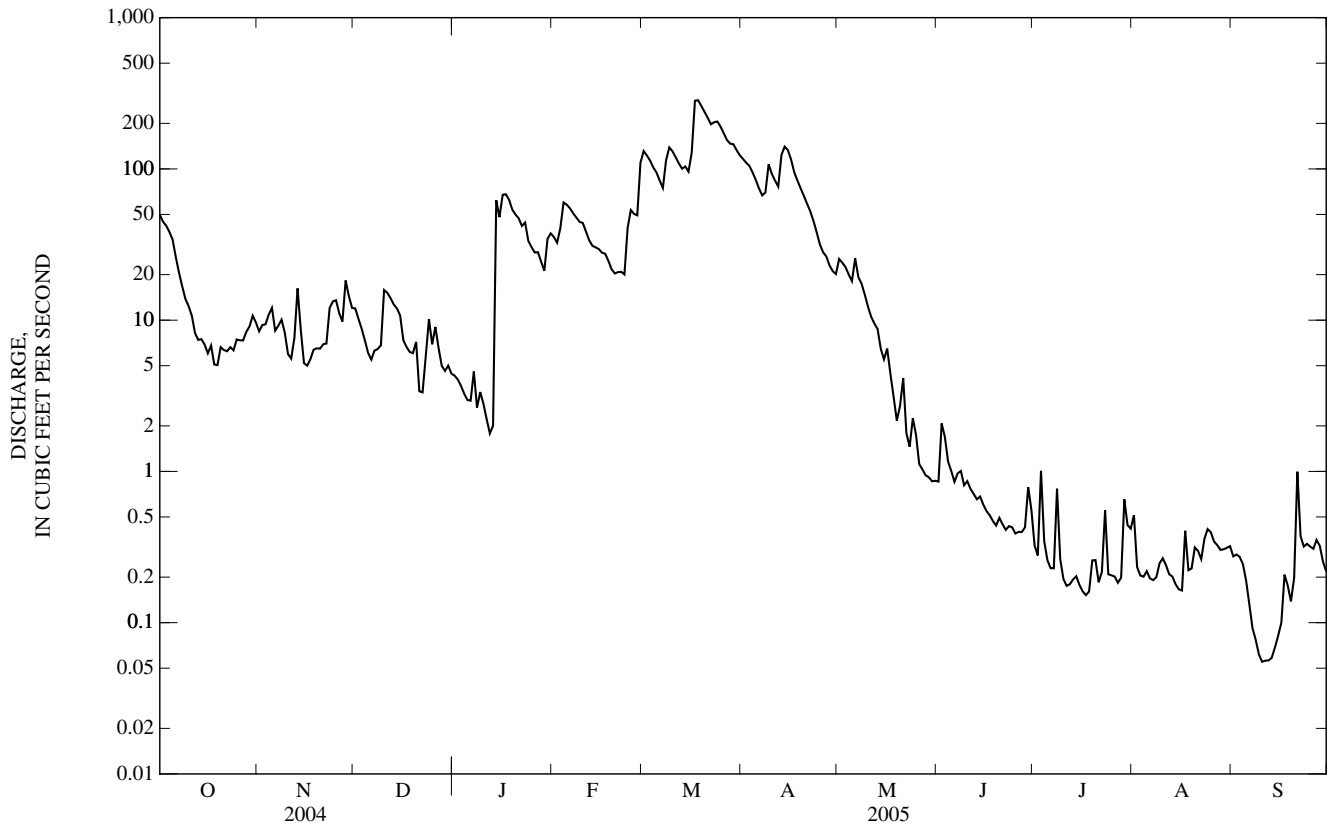
MEAN	19.5	22.7	35.9	64.7	101	133	91.9	39.6	27.0	26.2	34.1	30.6
MAX	137	146	154	241	348	421	312	184	138	182	242	335
(WY)	(2000)	(1996)	(2003)	(1984)	(1998)	(1998)	(1993)	(1989)	(1984)	(2001)	(2003)	(1996)
MIN	0.70	0.81	1.40	2.07	1.37	1.66	1.13	1.48	0.67	0.30	0.27	0.22
(WY)	(1982)	(1992)	(1992)	(2001)	(1992)	(1992)	(1992)	(2002)	(1981)	(2005)	(2005)	(2005)

02102192 BUCKHORN CREEK NEAR CORINTH, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1981 - 2005 [@]	
ANNUAL TOTAL	15,702.9		10,224.54		51.9	
ANNUAL MEAN	42.9		28.0		137	
HIGHEST ANNUAL MEAN					2.47	2003
LOWEST ANNUAL MEAN					1,940	1981
HIGHEST DAILY MEAN	200	May 3	284	Mar 18	1,940	Sep 6, 1996
LOWEST DAILY MEAN	2.3	Aug 11	0.06	Sep 9	0.06	Jun 22, 2002
ANNUAL SEVEN-DAY MINIMUM	4.9	Aug 7	0.06	Sep 8	0.06	Sep 8, 2005
MAXIMUM PEAK FLOW			303	Mar 17	4,300	Sep 6, 1996
MAXIMUM PEAK STAGE			4.18	Mar 17	16.79	Sep 6, 1996
INSTANTANEOUS LOW FLOW			0.05*	Sep 9	0.05*	May 10, 1988
ANNUAL RUNOFF (CFSM)	0.562		0.367		0.681	
ANNUAL RUNOFF (INCHES)	7.66		4.98		9.25	
10 PERCENT EXCEEDS	116		98		153	
50 PERCENT EXCEEDS	23		6.6		9.1	
90 PERCENT EXCEEDS	6.3		0.20		0.68	

[@] Regulated period only (1981-2005). See REMARKS.

* See REMARKS.



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 mi².

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 ft³/s, Sept. 19, 1945, from rating curve extended above 76,000 ft³/s; gage height: 33.19 ft, from floodmark; minimum discharge: 11 ft³/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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8,130	703	4,670	1,340	3,200	10,200	8,560	1,210	802	802	4,020	581
2	8,350	693	4,330	1,310	3,070	8,400	4,200	1,260	901	745	2,480	639
3	8,170	706	4,200	1,290	2,850	9,210	5,290	1,330	1,340	884	1,590	651
4	6,770	717	4,110	1,260	4,000	8,080	9,840	1,320	2,040	700	1,270	641
5	3,930	740	4,050	1,250	4,240	5,760	10,200	1,250	1,470	661	1,010	646
6	2,800	726	3,940	1,230	3,120	5,400	6,290	1,000	1,200	690	799	649
7	1,530	773	3,770	1,220	2,930	5,150	3,760	692	1,090	817	740	587
8	1,350	918	2,160	1,220	4,240	3,270	3,230	1,250	1,220	1,250	689	578
9	999	774	1,830	1,200	4,090	6,610	8,120	1,390	1,480	1,230	734	545
10	882	704	2,140	1,170	3,970	6,020	8,650	1,400	1,590	1,120	1,010	543
11	860	663	5,930	1,210	3,810	5,530	5,760	946	3,820	862	1,760	611
12	849	686	6,990	1,140	2,140	4,160	8,010	828	2,590	772	2,350	638
13	864	904	4,060	1,130	1,980	3,860	5,470	877	2,100	674	2,000	562
14	2,760	1,390	4,390	6,480	1,960	3,540	8,980	834	2,190	713	1,740	551
15	2,280	2,370	4,590	17,600	1,930	3,080	9,180	803	1,950	684	1,270	548
16	1,450	6,440	4,350	14,000	1,950	3,070	5,760	848	1,730	661	849	555
17	1,140	4,100	4,270	5,290	1,610	11,800	2,920	757	905	621	789	608
18	999	3,820	5,610	4,740	1,510	14,300	1,970	781	833	926	991	607
19	886	3,570	5,590	11,500	1,360	10,200	1,750	690	843	783	920	593
20	816	1,420	5,440	12,300	1,300	6,900	1,660	687	715	672	861	592
21	932	1,180	5,040	11,400	1,290	6,880	1,580	744	543	622	898	743
22	1,590	1,130	4,890	3,020	1,280	8,960	1,500	727	646	589	809	486
23	927	1,200	3,840	2,520	1,460	8,150	1,440	836	661	1,900	778	500
24	777	1,640	1,460	2,400	2,360	4,440	1,350	1,490	630	1,150	789	500
25	783	2,020	1,590	1,630	4,360	5,220	1,290	1,460	610	674	706	494
26	755	2,120	1,860	1,510	4,130	4,810	1,230	1,380	610	675	707	487
27	758	2,080	1,590	1,660	3,110	4,310	1,230	1,030	599	642	662	490
28	762	2,420	1,420	2,270	4,330	5,140	1,180	685	642	631	656	482
29	723	3,510	1,360	2,250	---	12,700	1,160	641	659	1,980	652	487
30	715	3,990	1,370	2,470	---	10,200	1,130	659	710	1,740	634	431
31	728	---	1,350	2,920	---	10,400	---	620	---	2,430	591	---
TOTAL	65,265	54,107	112,190	121,930	77,580	215,750	132,690	30,425	37,119	29,300	35,754	17,025
MEAN	2,105	1,804	3,619	3,933	2,771	6,960	4,423	981	1,237	945	1,153	568
MAX	8,350	6,440	6,990	17,600	4,360	14,300	10,200	1,490	3,820	2,430	4,020	743
MIN	715	663	1,350	1,130	1,280	3,070	1,130	620	543	589	591	431

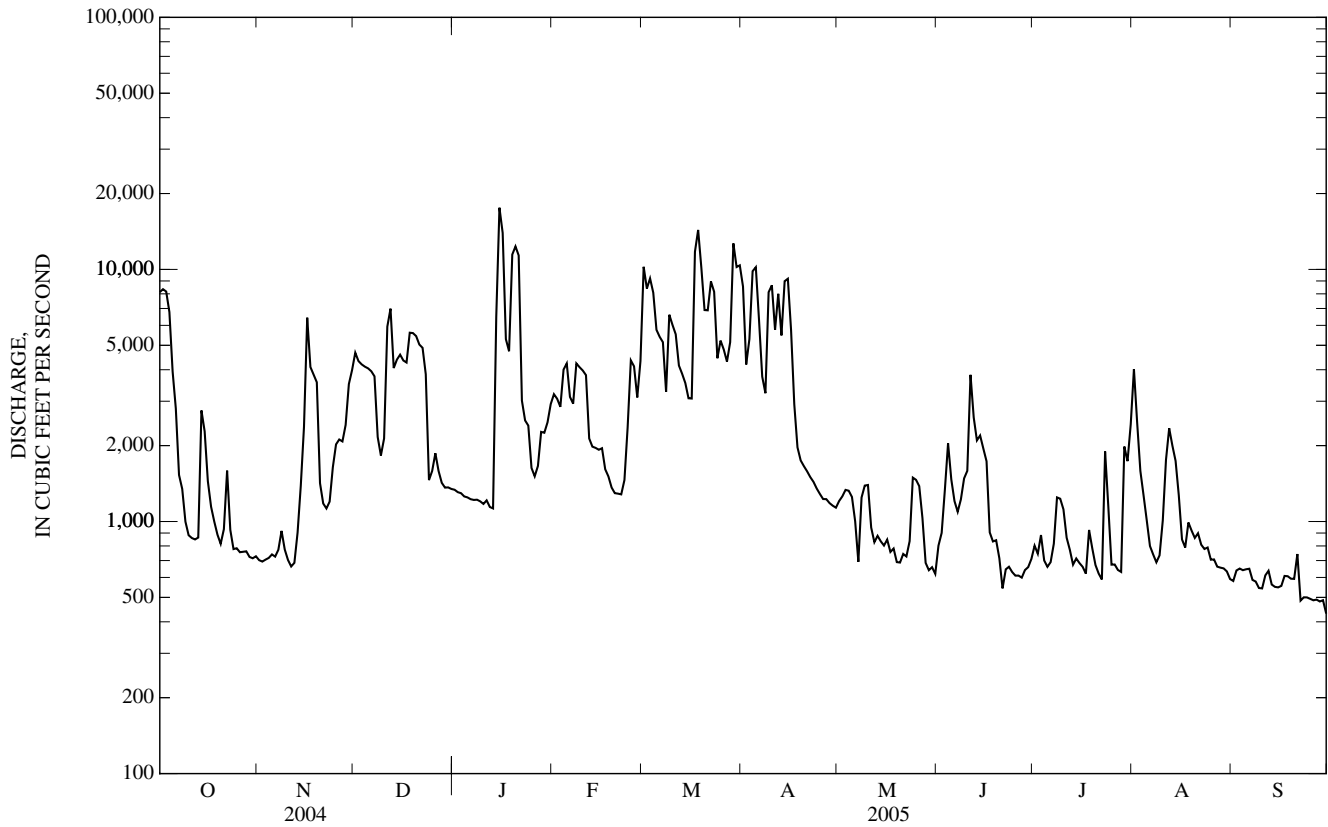
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2005,* BY WATER YEAR (WY)

MEAN	2,014	2,020	2,827	4,910	6,024	7,268	5,064	2,535	2,255	1,725	1,791	2,094
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	568
(WY)	(1999)	(1999)	(2002)	(2001)	(2002)	(1988)	(1985)	(2002)	(1999)	(2002)	(2002)	(2005)

02102500 CAPE FEAR RIVER AT LILLINGTON, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1982 - 2005*	
ANNUAL TOTAL	933,085		929,135		3,363	
ANNUAL MEAN	2,549		2,546		7,146	
HIGHEST ANNUAL MEAN					1,013	2003
LOWEST ANNUAL MEAN					41,400	2002
HIGHEST DAILY MEAN	16,200	Sep 9	17,600	Jan 15	155	Sep 6, 1996
LOWEST DAILY MEAN	526	Aug 10	431	Sep 30	223	Aug 6, 2002
ANNUAL SEVEN-DAY MINIMUM	677	Jul 14	482	Sep 24	51,800	Oct 2, 1981
MAXIMUM PEAK FLOW			20,500	Jan 15	18.97	Sep 7, 1996
MAXIMUM PEAK STAGE			11.35	Jan 15	141*	Sep 7, 1996
INSTANTANEOUS LOW FLOW			412	Sep 30	0.971	Aug 6, 2002
ANNUAL RUNOFF (CFSM)	0.736		0.735		13.19	
ANNUAL RUNOFF (INCHES)	10.02		9.98		9,690	
10 PERCENT EXCEEDS	5,680		6,130		1,280	
50 PERCENT EXCEEDS	1,510		1,340		600	
90 PERCENT EXCEEDS	737		639			

* Regulated period only (1981-2005). See REMARKS.

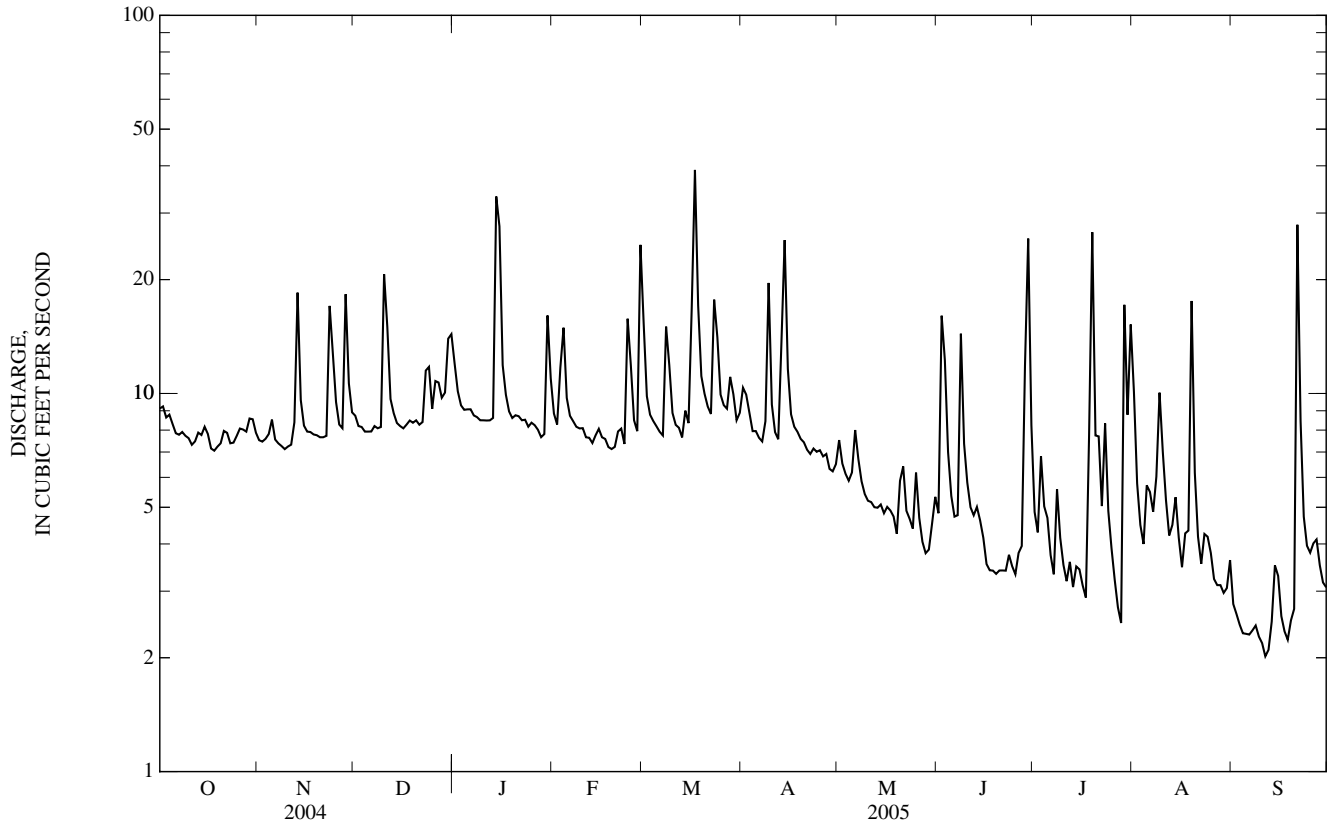


CAPE FEAR RIVER BASIN

02102908 FLAT CREEK NEAR INVERNESS, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1968 - 2005	
ANNUAL TOTAL	3,671.3		2,872.8		11.8	
ANNUAL MEAN	10.0		7.87		5.00	
HIGHEST ANNUAL MEAN					20.2	1973
LOWEST ANNUAL MEAN					5.00	2002
HIGHEST DAILY MEAN	72	Sep 8	39	Mar 17	200	Apr 1, 1973
LOWEST DAILY MEAN	3.6	Jul 16	2.0	Sep 11	0.94	Aug 13, 2002
ANNUAL SEVEN-DAY MINIMUM	4.2	Jul 11	2.2	Sep 6	1.3	Aug 8, 2002
MAXIMUM PEAK FLOW			47	Jan 14	394	Apr 1, 1973
MAXIMUM PEAK STAGE			1.74	Jan 14	7.30	Apr 1, 1973
INSTANTANEOUS LOW FLOW			1.7*	Sep 11	0.38*	Aug 14, 2002
ANNUAL RUNOFF (CF5M)	1.31		1.03		1.54	
ANNUAL RUNOFF (INCHES)	17.90		14.01		20.93	
10 PERCENT EXCEEDS	16		12		19	
50 PERCENT EXCEEDS	8.4		7.7		9.6	
90 PERCENT EXCEEDS	5.4		3.4		5.3	

* See REMARKS.



02102908 FLAT CREEK NEAR INVERNESS, NC—Continued

PRECIPITATION RECORDS

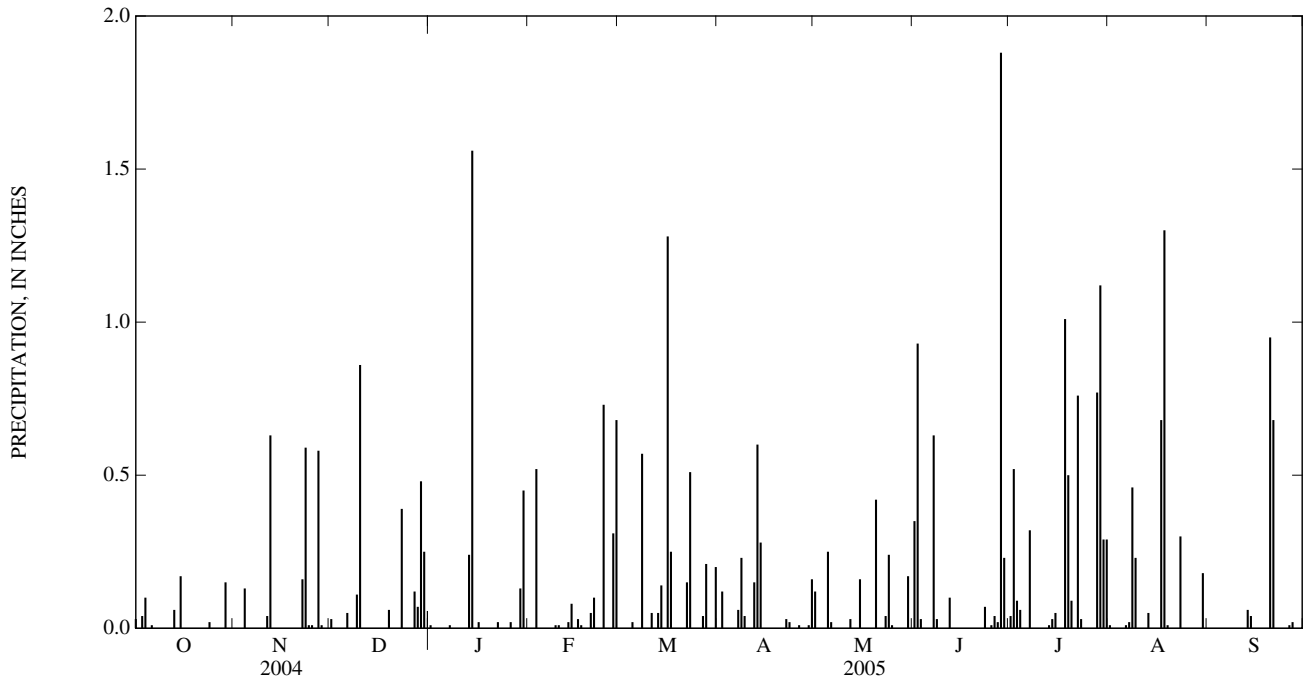
PERIOD OF RECORD.--April 2000 to current year.

GAGE.--Tipping-bucket raingage. 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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.03	0.00	0.03	0.01	0.00	0.00	0.00	0.12	0.35	0.04	0.01	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.93	0.52	0.00	0.00
3	0.04	0.00	0.00	0.00	0.52	0.00	0.00	0.00	0.03	0.09	0.00	0.00
4	0.10	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.25	0.00	0.00	0.00	0.00
6	0.01	0.00	0.05	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.01	0.00
7	0.00	0.00	0.00	0.01	0.00	0.00	0.06	0.00	0.63	0.32	0.02	0.00
8	0.00	0.00	0.00	0.00	0.00	0.57	0.23	0.00	0.03	0.00	0.46	0.00
9	0.00	0.00	0.11	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.23	0.00
10	0.00	0.00	0.86	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.04	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.63	0.00	0.00	0.00	0.00	0.15	0.03	0.10	0.00	0.00	0.00
13	0.06	0.00	0.00	0.24	0.02	0.05	0.60	0.00	0.00	0.01	0.05	0.06
14	0.00	0.00	0.00	1.56	0.08	0.14	0.28	0.00	0.00	0.03	0.00	0.04
15	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.05	0.00	0.00
16	0.00	0.00	0.00	0.02	0.03	1.28	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.01	0.25	0.00	0.00	0.00	0.00	0.68	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.01	1.30	0.00
19	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.01	0.00
20	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.42	0.00	0.09	0.00	0.95
21	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.68
22	0.00	0.16	0.00	0.02	0.00	0.15	0.03	0.00	0.00	0.76	0.00	0.00
23	0.00	0.59	0.39	0.00	0.00	0.51	0.02	0.04	0.07	0.03	0.30	0.00
24	0.02	0.01	0.00	0.00	0.73	0.00	0.00	0.24	0.00	0.00	0.00	0.00
25	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
26	0.00	0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.04	0.00	0.00	0.01
27	0.00	0.58	0.12	0.00	0.31	0.04	0.00	0.00	0.02	0.00	0.00	0.02
28	0.00	0.01	0.07	0.00	0.68	0.21	0.00	0.00	1.88	0.77	0.00	0.00
29	0.15	0.00	0.48	0.13	---	0.00	0.01	0.00	0.23	1.12	0.00	0.00
30	0.00	0.00	0.25	0.45	---	0.00	0.16	0.17	0.00	0.29	0.18	0.00
31	0.00	---	0.00	0.00	---	0.20	---	0.00	---	0.29	0.00	---
TOTAL	0.58	2.16	2.42	2.46	2.55	3.47	1.71	1.46	4.32	5.98	3.25	1.76



CAPE FEAR RIVER BASIN

02103000 LITTLE RIVER AT MANCHESTER, NC

LOCATION.--Lat 35°11'36", long 78°59'08", Cumberland County, Hydrologic Unit 03030004, on left bank 5 ft upstream 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 mi².

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 period of poor gage height record, Feb. 1 to June 2 and those for estimated daily discharges, which are poor. Minimum discharge also occurred Sept. 19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	436	203	412	479	506	559	435	172	81	117	788	65
2	366	196	253	412	515	555	509	183	159	104	540	58
3	308	194	242	352	517	515	519	186	233	101	350	50
4	302	196	216	443	581	416	488	169	278	128	241	46
5	386	205	204	453	588	332	447	157	248	152	177	43
6	376	203	196	434	577	299	397	176	173	133	145	39
7	345	194	200	417	513	278	312	170	155	110	130	38
8	261	189	212	406	456	345	331	159	313	107	130	36
9	234	183	229	397	437	393	498	146	e411	99	266	35
10	219	180	298	384	435	452	699	135	e370	106	339	35
11	214	179	454	368	417	429	611	126	e419	99	400	39
12	212	248	448	210	363	368	343	122	305	86	381	38
13	216	429	397	196	346	312	340	117	e207	91	301	40
14	208	293	340	636	290	321	e575	111	e156	110	174	48
15	209	250	304	849	293	331	e1,050	119	e128	86	146	51
16	209	233	282	954	297	446	1,100	133	e106	86	140	43
17	203	216	223	978	298	964	666	137	e88	81	132	39
18	192	207	199	821	285	1,260	517	125	87	84	160	35
19	183	200	197	600	255	1,230	444	111	74	199	396	35
20	179	199	198	528	241	1,010	406	124	73	176	261	36
21	184	198	192	495	241	786	361	339	65	171	228	214
22	191	193	186	366	257	457	337	129	64	122	152	138
23	192	338	201	348	267	498	389	118	74	133	130	122
24	189	384	243	322	365	595	312	119	85	307	139	89
25	187	306	252	307	450	788	255	128	79	270	113	74
26	191	256	272	303	481	729	231	105	72	143	98	67
27	196	220	286	303	462	574	219	92	67	90	90	63
28	192	325	272	371	572	511	212	85	92	78	80	59
29	196	344	341	369	---	560	205	77	221	268	77	54
30	207	485	352	450	---	539	178	76	144	302	84	51
31	211	---	436	499	---	453	---	82	---	554	75	---
TOTAL	7,394	7,446	8,537	14,450	11,305	17,305	13,386	4,228	5,027	4,693	6,863	1,780
MEAN	239	248	275	466	404	558	446	136	168	151	221	59.3
MAX	436	485	454	978	588	1,260	1,100	339	419	554	788	214
MIN	179	179	186	196	241	278	178	76	64	78	75	35
CFSM	0.69	0.71	0.79	1.34	1.16	1.60	1.28	0.39	0.48	0.44	0.64	0.17
IN.	0.79	0.80	0.91	1.54	1.21	1.85	1.43	0.45	0.54	0.50	0.73	0.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2005,[@] BY WATER YEAR (WY)

	273	348	451	521	641	716	559	338	212	382	423	365
MEAN	273	348	451	521	641	716	559	338	212	382	423	365
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	136	91.1	39.2	37.6	46.2
(WY)	(1941)	(1942)	(1941)	(1942)	(1941)	(1941)	(1950)	(2005)	(1941)	(2002)	(2002)	(1940)

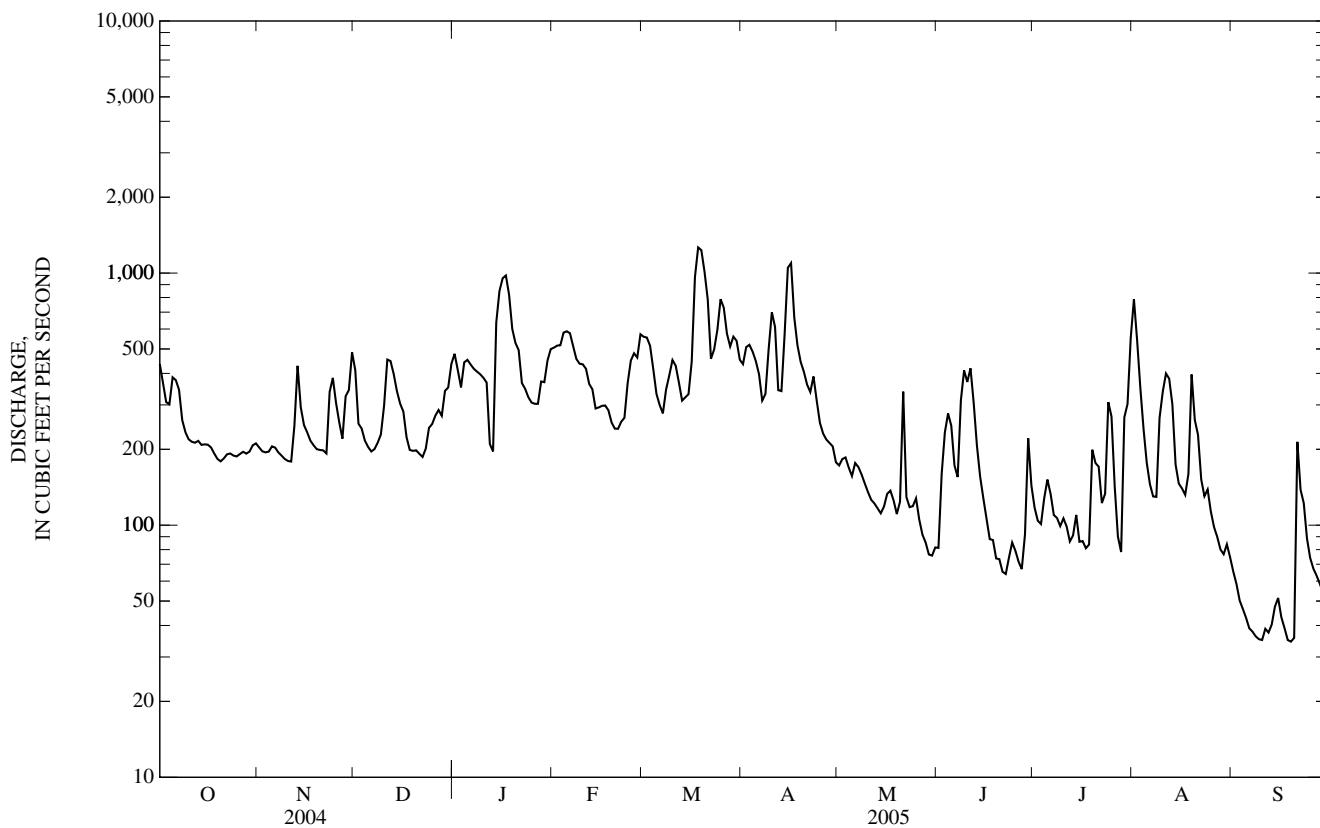
02103000 LITTLE RIVER AT MANCHESTER, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1939 - 2005 [@]	
ANNUAL TOTAL	121,750		102,414		441	
ANNUAL MEAN	333		281		774	
HIGHEST ANNUAL MEAN					229	
LOWEST ANNUAL MEAN					1941	
HIGHEST DAILY MEAN	2,630	Sep 10	1,260	Mar 18	9,000	Sep 18, 1945
LOWEST DAILY MEAN	53	Jul 27	35	Sep 9	19	Aug 11, 2002
ANNUAL SEVEN-DAY MINIMUM	63	Jul 21	37	Sep 6	21	Aug 8, 2002
MAXIMUM PEAK FLOW			1,410	Mar 18	5,090	Aug 11, 2003
MAXIMUM PEAK STAGE			13.10	Mar 18	24.72	Aug 11, 2003
INSTANTANEOUS LOW FLOW			31*	Sep 10	16	Aug 13, 2002
ANNUAL RUNOFF (CFSM)	0.956		0.806		1.27	
ANNUAL RUNOFF (INCHES)	13.01		10.95		17.20	
10 PERCENT EXCEEDS	585		516		914	
50 PERCENT EXCEEDS	264		220		328	
90 PERCENT EXCEEDS	106		77		96	

[@] See PERIOD OF RECORD.

* See REMARKS.

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 mi².

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.

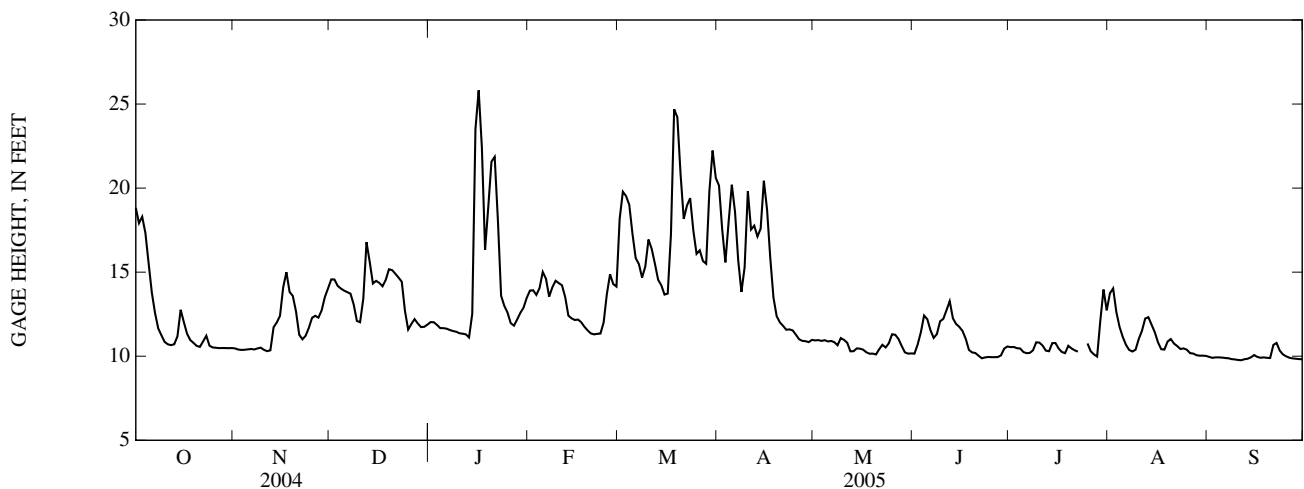
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height, 48.3 ft, Sept. 24, 1945.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 46.17 ft, Sept. 7, 1996; minimum gage height not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 26.02 ft, Jan. 15; minimum gage height, 9.72 ft, Sept. 11.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.82	10.46	14.57	12.03	13.90	18.17	20.15	10.94	10.15	10.54	13.74	9.96
2	17.92	10.39	14.56	12.02	13.92	19.79	17.53	10.96	10.70	10.55	14.03	9.90
3	18.30	10.37	14.18	11.86	13.65	19.53	15.58	10.91	11.42	10.48	12.63	9.93
4	17.33	10.38	14.02	11.67	14.06	19.01	17.99	10.95	12.42	10.46	11.74	9.93
5	15.53	10.41	13.90	11.67	15.01	17.28	20.20	10.88	12.20	10.25	11.15	9.92
6	13.79	10.43	13.81	11.64	14.61	15.84	18.58	10.91	11.54	10.18	10.68	9.89
7	12.57	10.40	13.72	11.56	13.55	15.48	15.70	10.83	11.09	10.20	10.37	9.88
8	11.65	10.47	13.08	11.50	14.10	14.68	13.82	10.65	11.32	10.35	10.28	9.83
9	11.24	10.51	12.10	11.46	14.49	15.33	15.29	11.08	12.08	10.83	10.38	9.81
10	10.85	10.38	12.02	11.37	14.35	16.94	19.82	10.97	12.22	10.81	11.03	9.78
11	10.71	10.30	13.43	11.34	14.22	16.38	17.54	10.80	12.74	10.63	11.51	9.76
12	10.66	10.35	16.78	11.30	13.52	15.50	17.77	10.29	13.27	10.33	12.24	9.82
13	10.71	11.72	15.61	11.12	12.41	14.55	17.12	10.30	12.25	10.30	12.32	9.85
14	11.18	12.01	14.32	12.52	12.25	14.22	17.59	10.46	11.92	10.78	11.87	9.93
15	12.76	12.40	14.48	23.51	12.15	13.67	20.44	10.45	11.75	10.78	11.43	10.07
16	12.03	14.10	14.36	25.82	12.18	13.72	18.73	10.39	11.50	10.46	10.82	9.96
17	11.34	15.00	14.16	22.42	12.02	17.25	15.83	10.23	11.03	10.25	10.42	9.91
18	10.96	13.82	14.54	16.33	11.75	24.69	13.48	10.15	10.37	10.18	10.39	9.93
19	10.79	13.58	15.17	18.88	11.54	24.22	12.38	10.15	10.22	10.62	10.87	9.90
20	10.62	12.66	15.12	21.58	11.36	20.85	12.01	10.10	10.19	10.47	11.02	9.89
21	10.55	11.28	14.90	21.86	11.30	18.17	11.80	10.42	10.03	10.35	10.75	10.67
22	10.88	11.00	14.68	18.08	11.33	18.96	11.57	10.68	9.88	10.27	10.60	10.79
23	11.22	11.22	14.43	13.60	11.35	19.40	11.60	10.52	9.93	---	10.43	10.33
24	10.62	11.69	12.69	13.00	12.00	17.46	11.53	10.77	9.95	---	10.46	10.10
25	10.52	12.28	11.58	12.60	13.69	16.09	11.28	11.30	9.94	10.76	10.39	9.99
26	10.50	12.40	11.92	11.97	14.88	16.30	11.01	11.28	9.94	10.30	10.18	9.91
27	10.48	12.29	12.20	11.82	14.29	15.66	10.91	11.03	9.95	10.11	10.16	9.87
28	10.49	12.72	11.95	12.18	14.14	15.50	10.89	10.62	10.05	9.98	10.06	9.85
29	10.49	13.52	11.73	12.58	---	19.81	10.84	10.23	10.45	12.13	10.03	9.83
30	10.48	14.04	11.75	12.88	---	22.23	10.97	10.15	10.58	13.97	10.03	9.82
31	10.48	---	11.88	13.47	---	20.60	---	10.17	---	12.73	10.02	---
MEAN	12.14	11.75	13.67	14.38	13.14	17.65	15.00	10.63	11.04	---	11.03	9.97
MAX	18.82	15.00	16.78	25.82	15.01	24.69	20.44	11.30	13.27	---	14.03	10.79
MIN	10.48	10.30	11.58	11.12	11.30	13.67	10.84	10.10	9.88	---	10.02	9.76



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 mi².

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. Minimum discharge for current water year also occurred Sept. 12, 13.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	121	106	127	148	126	175	118	90	67	136	208	48
2	117	104	122	134	110	165	118	91	106	81	192	45
3	113	104	117	124	113	126	115	83	160	71	170	45
4	111	107	115	120	144	109	103	78	153	75	87	41
5	108	116	113	116	139	103	96	77	100	93	71	40
6	102	112	112	114	118	101	92	91	78	75	71	41
7	99	107	114	114	108	98	90	89	75	61	74	42
8	95	105	116	111	104	115	110	81	130	125	69	41
9	94	102	114	111	102	153	174	74	174	101	82	39
10	94	101	133	109	104	137	214	70	202	71	142	40
11	93	102	164	108	99	113	151	69	143	60	175	38
12	92	116	158	107	96	106	111	70	91	59	116	38
13	101	263	129	108	95	100	128	67	77	56	86	39
14	108	276	118	168	97	99	161	67	69	58	86	44
15	111	211	112	259	104	101	166	65	63	84	75	48
16	115	141	109	271	102	111	145	70	59	66	66	50
17	106	124	109	243	104	180	111	71	53	68	61	44
18	102	118	110	163	102	217	102	66	49	69	63	41
19	102	115	110	119	95	209	98	62	48	75	84	40
20	104	114	115	112	93	168	96	69	46	120	121	43
21	107	113	110	113	98	120	91	105	46	151	118	83
22	108	112	110	111	109	110	88	85	45	128	86	117
23	105	143	117	110	103	127	88	72	44	116	69	92
24	105	192	144	105	120	154	88	65	45	111	72	68
25	110	208	135	103	144	147	86	71	43	81	70	59
26	109	170	132	104	128	121	83	75	45	62	61	57
27	107	127	150	105	108	111	85	64	48	53	57	57
28	108	151	141	101	139	116	85	59	72	48	55	55
29	111	162	130	98	---	126	85	56	213	136	53	50
30	113	142	138	124	---	115	83	57	227	228	52	47
31	111	---	151	142	---	107	---	71	---	218	51	---
TOTAL	3,282	4,164	3,875	4,075	3,104	4,040	3,361	2,280	2,771	2,936	2,843	1,532
MEAN	106	139	125	131	111	130	112	73.5	92.4	94.7	91.7	51.1
MAX	121	276	164	271	144	217	214	105	227	228	208	117
MIN	92	101	109	98	93	98	83	56	43	48	51	38
CFSM	1.14	1.49	1.34	1.41	1.19	1.40	1.20	0.79	0.99	1.02	0.99	0.55
IN.	1.31	1.66	1.55	1.63	1.24	1.61	1.34	0.91	1.11	1.17	1.14	0.61

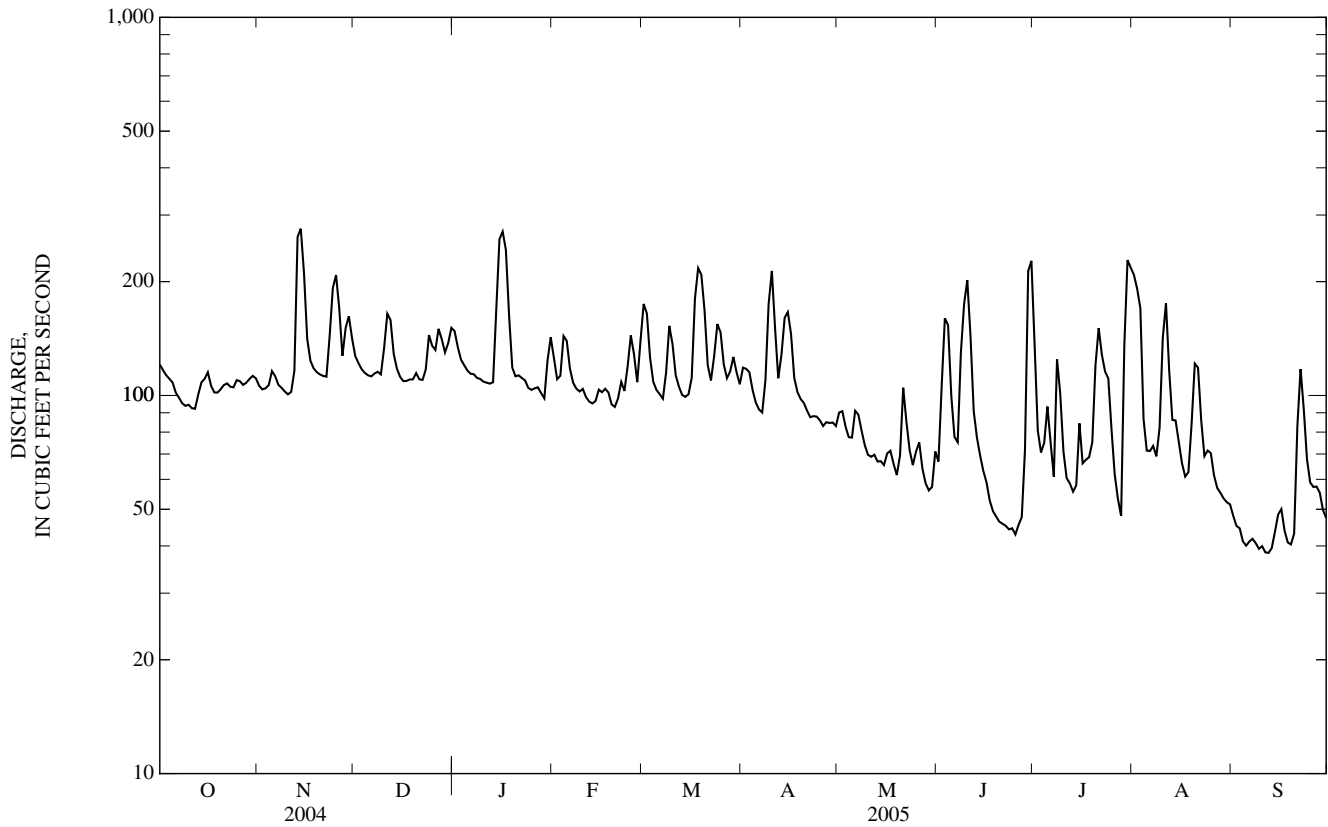
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2005, BY WATER YEAR (WY)

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	115	117	115	137	140	151	134	104	92.6	94.0	101	114						
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)						

02104220 ROCKFISH CREEK AT RAEFORD, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1988 - 2005	
ANNUAL TOTAL	45,117		38,263		118	
ANNUAL MEAN	123		105		60.8	
HIGHEST ANNUAL MEAN					167	1998
LOWEST ANNUAL MEAN					60.8	2002
HIGHEST DAILY MEAN	820	Sep 9	276	Nov 14	884	Sep 7, 1996
LOWEST DAILY MEAN	47	Jul 17	38	Sep 11	20	Jul 22, 2002
ANNUAL SEVEN-DAY MINIMUM	57	Jul 6	40	Sep 7	22	Aug 10, 2002
MAXIMUM PEAK FLOW			306	Nov 13	1,030	Sep 7, 1996
MAXIMUM PEAK STAGE			6.40	Nov 13	8.29	Sep 7, 1996
INSTANTANEOUS LOW FLOW			38*	Sep 11	19*	Jul 10, 2002
ANNUAL RUNOFF (CFSM)	1.32		1.13		1.27	
ANNUAL RUNOFF (INCHES)	18.03		15.29		17.21	
10 PERCENT EXCEEDS	183		153		195	
50 PERCENT EXCEEDS	108		105		100	
90 PERCENT EXCEEDS	70		53		57	

* See REMARKS.



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 mi².

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 daily discharges over 8,000 ft³/s, estimated daily discharges and periods of fish lockage, March through May, 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 ft³/s, Sep. 20, 1950. Minimum discharge during regulation from unknown source. Minimum discharge for current water year also occurred Sept. 11.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10,900	1,500	5,600	2,860	4,620	9,220	e10,900	1,850	1,060	1,580	5,070	945
2	9,370	1,440	5,730	2,880	4,700	e11,400	9,420	1,760	1,420	1,580	5,610	900
3	9,720	1,410	5,240	2,730	4,430	e10,600	6,690	1,650	2,200	1,480	3,860	910
4	8,800	1,420	5,020	2,540	4,720	e10,200	8,710	1,680	3,240	1,480	2,820	907
5	6,960	1,440	4,880	2,520	5,840	8,830	e11,000	1,630	3,360	1,280	2,170	893
6	4,860	1,450	4,770	2,490	5,570	6,900	10,600	1,730	2,600	1,220	1,690	884
7	3,570	1,440	4,660	2,440	4,430	6,450	6,710	1,780	2,080	1,190	1,390	874
8	2,560	1,490	4,160	2,380	4,740	5,700	4,540	1,580	2,090	1,330	1,290	833
9	2,190	1,540	3,010	2,350	5,330	6,050	6,000	1,830	3,070	1,750	1,370	824
10	1,840	1,420	2,850	2,270	5,210	8,150	e10,400	1,690	3,220	1,770	2,020	799
11	1,690	1,360	4,020	2,240	5,050	7,530	9,410	1,540	3,530	1,630	2,510	791
12	1,640	1,360	7,950	2,210	4,440	6,600	8,810	1,160	4,590	1,360	3,230	842
13	1,680	2,690	7,080	2,020	3,230	5,450	8,520	1,170	3,360	1,300	3,430	877
14	1,950	3,160	5,290	3,150	3,030	5,040	8,440	1,380	2,880	1,800	2,930	974
15	3,600	3,380	5,410	e13,700	2,950	4,470	12,400	1,370	2,720	1,850	2,460	1,120
16	3,000	5,000	5,310	e18,200	2,940	4,440	11,100	1,250	2,450	1,510	1,860	976
17	2,310	6,480	5,070	e15,700	2,890	7,780	7,230	1,070	2,100	1,300	1,440	903
18	1,940	4,900	5,370	8,830	2,630	e13,700	4,300	1,010	1,410	1,210	1,370	930
19	1,760	4,570	6,200	9,690	2,430	e15,400	2,970	1,010	1,250	1,580	1,800	904
20	1,640	3,780	6,170	e13,200	2,270	e12,300	2,650	985	1,230	1,490	2,050	882
21	1,570	2,270	5,920	e14,700	2,200	e8,650	2,460	1,300	1,100	1,380	1,760	1,590
22	1,790	1,970	5,650	11,400	2,240	e9,260	2,250	1,550	945	1,310	1,610	1,890
23	2,190	2,130	5,400	4,500	2,250	e10,100	2,410	1,430	996	1,360	1,400	1,380
24	1,660	2,590	3,820	3,690	2,770	e8,740	2,380	1,530	1,020	2,380	1,450	1,130
25	1,550	3,150	2,470	3,370	4,450	7,030	2,060	2,030	1,000	1,780	1,380	996
26	1,530	3,310	2,730	2,780	5,960	7,410	1,760	2,050	1,010	1,370	1,180	901
27	1,510	3,200	3,080	2,650	5,350	6,730	1,670	1,880	1,000	1,180	1,130	880
28	1,520	3,580	2,860	2,880	5,040	6,290	1,660	1,530	1,040	1,070	1,060	856
29	1,510	4,420	2,620	3,270	---	e10,100	1,620	1,190	1,450	3,150	1,030	833
30	1,500	5,070	2,610	3,560	---	e13,200	1,830	1,080	1,610	5,920	991	830
31	1,510	---	2,720	4,170	---	e11,500	---	1,110	---	4,180	988	---
TOTAL	99,820	82,920	143,670	171,370	111,710	265,220	180,900	45,805	61,031	54,770	64,349	29,254
MEAN	3,220	2,764	4,635	5,528	3,990	8,555	6,030	1,478	2,034	1,767	2,076	975
MAX	10,900	6,480	7,950	18,200	5,960	15,400	12,400	2,050	4,590	5,920	5,610	1,890
MIN	1,500	1,360	2,470	2,020	2,200	4,440	1,620	985	945	1,070	988	791

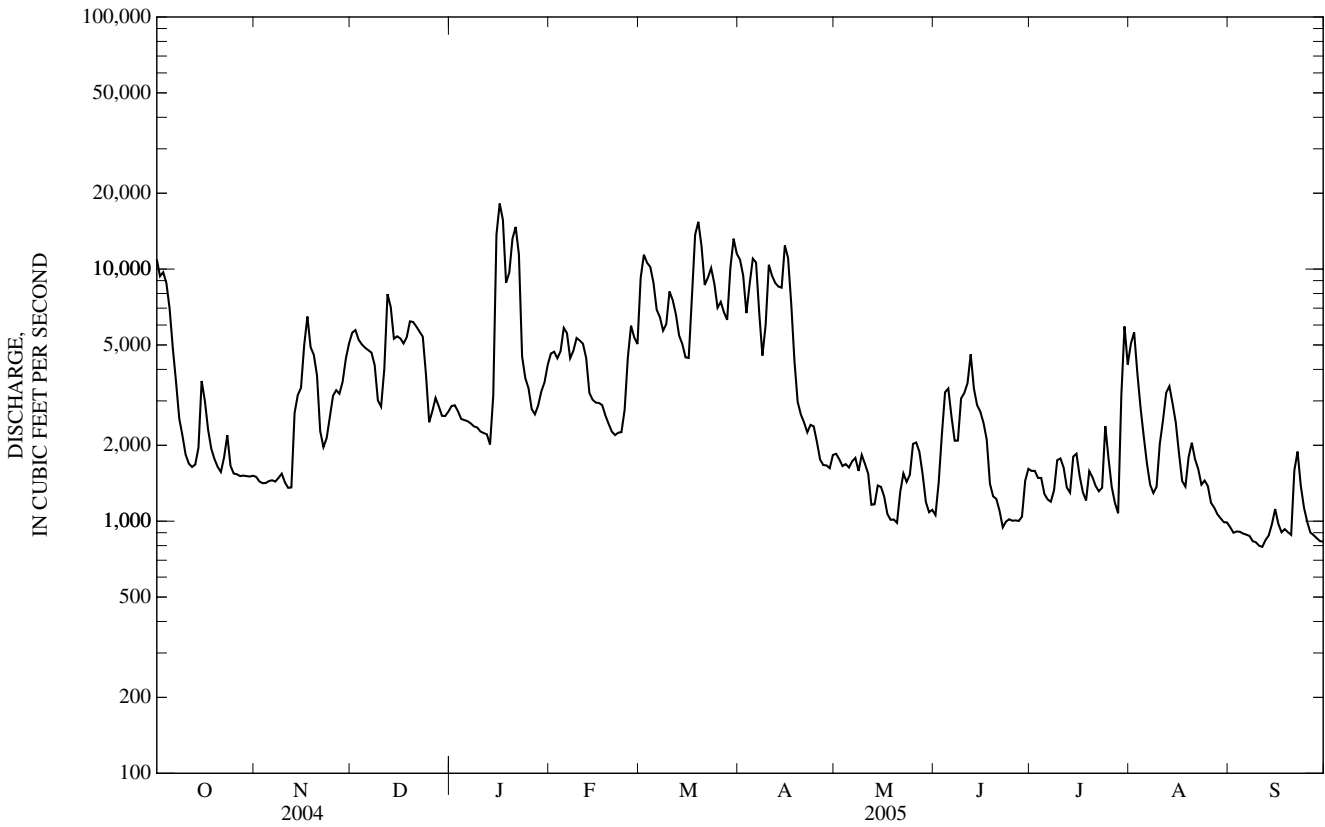
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2005,* BY WATER YEAR (WY)

MEAN	3,080	3,098	4,188	7,032	8,287	9,833	6,879	3,636	3,305	2,864	2,946	3,267
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1982 - 2005*	
ANNUAL TOTAL	1,436,565		1,310,819		4,850	
ANNUAL MEAN	3,925		3,591		1,636	
HIGHEST ANNUAL MEAN					9,689 2003	
LOWEST ANNUAL MEAN					1,636 2002	
HIGHEST DAILY MEAN	23,400	Sep 9	18,200	Jan 16	60,000	Sep 8, 1996
LOWEST DAILY MEAN	985	May 18	791	Sep 11	154	Aug 13, 1999
ANNUAL SEVEN-DAY MINIMUM	1,180	Jul 15	834	Sep 7	408	Aug 7, 2002
MAXIMUM PEAK FLOW			NOT DETERMINED		NOT DETERMINED	
MAXIMUM PEAK STAGE			10.89	Jan 16	26.75	Sep 8, 1996
INSTANTANEOUS LOW FLOW			779*	Sep 10	36*	Aug 13, 1999
10 PERCENT EXCEEDS	7,800		8,670		12,700	
50 PERCENT EXCEEDS	2,660		2,380		2,380	
90 PERCENT EXCEEDS	1,440		1,030		984	

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



02105500 CAPE FEAR RIVER AT WILLIAM O. HUSKE LOCK NEAR TARHEEL, NC—Continued

PRECIPITATION RECORDS

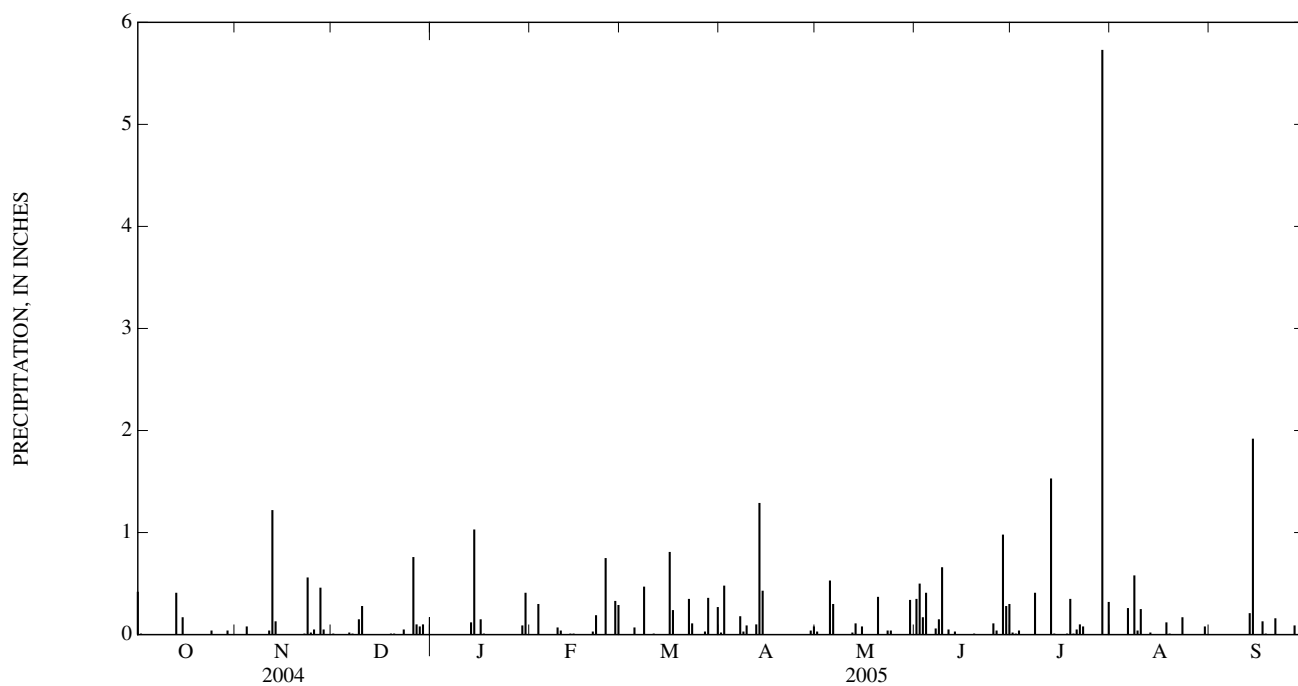
PERIOD OF RECORD.--October 2003 to current year. Prior precipitation records are unreliable and should not be used.

GAGE.--Tipping-bucket raingage. 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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.42	0.00	0.01	0.00	0.00	0.00	0.02	0.03	0.35	0.02	0.00	0.00
2	0.01	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.50	0.01	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.17	0.04	0.00	0.00
4	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.53	0.00	0.00	0.00	0.00
6	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.26	0.00
7	0.00	0.00	0.01	0.00	0.00	0.00	0.18	0.00	0.06	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.47	0.03	0.00	0.15	0.41	0.58	0.00
9	0.00	0.00	0.15	0.00	0.07	0.00	0.09	0.00	0.66	0.00	0.04	0.00
10	0.00	0.00	0.28	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.25	0.00
11	0.00	0.04	0.00	0.00	0.00	0.01	0.00	0.00	0.05	0.00	0.00	0.00
12	0.00	1.22	0.00	0.00	0.00	0.00	0.10	0.02	0.00	0.00	0.00	0.00
13	0.41	0.13	0.00	0.12	0.01	0.00	1.29	0.11	0.03	1.53	0.02	0.21
14	0.00	0.00	0.00	1.03	0.01	0.00	0.43	0.00	0.00	0.01	0.00	1.92
15	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.15	0.00	0.81	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.01	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.13
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.12	0.01
19	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.35	0.01	0.00
20	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.37	0.00	0.01	0.00	0.00
21	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.05	0.00	0.16
22	0.00	0.01	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.10	0.00	0.00
23	0.00	0.56	0.05	0.00	0.00	0.11	0.00	0.04	0.00	0.08	0.17	0.00
24	0.04	0.02	0.00	0.00	0.75	0.00	0.00	0.04	0.00	0.00	0.00	0.00
25	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00
26	0.00	0.00	0.76	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
27	0.00	0.46	0.10	0.00	0.33	0.03	0.00	0.00	0.00	0.00	0.00	0.09
28	0.00	0.05	0.08	0.00	0.29	0.36	0.00	0.00	0.98	0.00	0.00	0.00
29	0.04	0.00	0.10	0.09	---	0.00	0.04	0.00	0.28	5.73	0.00	0.00
30	0.00	0.00	0.00	0.41	---	0.00	0.08	0.34	0.30	0.00	0.08	0.00
31	0.00	---	0.00	0.00	---	0.27	---	0.00	---	0.32	0.00	---
TOTAL	1.09	2.62	1.58	1.81	2.02	2.72	2.74	1.86	4.10	8.67	1.53	2.52



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 mi².

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. Daily discharges above 2,500 ft³/s are fair, daily discharges below 2,500 ft³/s are poor. 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 27.2 ft³/s for municipal water supply, most of which was returned downstream of station as treated effluent. Prior to regulation, maximum discharge: 57,000 ft³/s, March 3, 1979; gage height: 24.92 ft, from floodmarks. Minimum discharge prior to regulation, 406 ft³/s, July 1, 1981. Minimum discharge for period of record not determined due to fish lockage. Minimum discharge for current water year also occurred Sept. 7.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10,800	1,570	6,260	3,310	5,150	6,830	14,100	1,830	946	2,290	6,670	911
2	11,300	1,530	6,770	3,420	5,530	10,600	13,600	1,850	1,060	2,000	7,030	887
3	10,800	1,470	6,570	3,360	5,500	12,100	11,100	1,950	1,680	1,830	6,170	850
4	10,800	1,460	6,180	3,180	5,410	12,400	8,740	1,960	2,770	1,710	4,290	843
5	9,760	1,480	5,930	2,990	6,090	11,900	10,500	1,920	3,780	1,560	2,920	831
6	7,410	1,480	5,770	2,960	6,800	9,900	12,100	2,280	3,510	1,360	2,130	812
7	5,360	1,490	5,650	2,920	6,190	8,040	11,200	2,240	2,760	1,230	1,590	818
8	3,750	1,480	5,500	2,830	5,290	7,260	8,110	1,940	2,300	1,280	1,330	865
9	2,820	1,550	4,470	2,770	5,910	6,270	6,200	1,900	2,880	1,470	1,380	886
10	2,280	1,540	3,660	2,690	6,250	7,570	8,420	2,070	3,780	1,800	1,790	865
11	1,880	1,440	3,760	2,590	6,100	8,560	11,400	2,060	3,760	1,800	2,490	842
12	1,700	1,440	6,240	2,570	5,860	8,130	10,300	1,790	4,850	1,590	2,940	872
13	1,640	2,170	8,770	2,460	4,760	6,950	10,300	1,440	4,690	1,370	3,660	936
14	1,750	3,470	7,440	2,610	3,780	6,080	9,840	1,280	3,590	1,970	3,510	1,220
15	2,810	3,700	6,330	6,850	3,520	5,650	10,800	1,250	3,210	2,350	2,960	1,430
16	3,810	4,290	6,270	14,500	3,410	5,110	12,600	1,290	2,890	2,100	2,390	1,280
17	3,110	6,720	6,090	17,200	3,440	5,600	11,700	1,320	2,550	1,690	1,840	1,080
18	2,410	6,640	5,930	16,600	3,100	10,400	8,340	1,320	1,890	1,390	1,470	985
19	2,100	5,660	6,550	12,200	2,610	15,200	5,410	1,160	1,380	1,400	1,600	942
20	1,890	5,240	7,050	12,400	2,370	16,600	3,890	1,220	1,230	1,600	1,960	911
21	1,690	3,770	7,000	14,200	2,210	15,400	3,340	1,600	1,160	1,530	2,030	1,030
22	1,650	2,570	6,690	14,800	2,190	12,800	2,980	1,770	1,010	1,490	1,780	1,640
23	2,150	2,540	6,470	11,400	2,210	12,200	2,780	1,670	929	1,420	1,580	1,700
24	2,210	3,020	5,940	6,300	2,520	12,300	2,670	1,340	945	1,850	1,480	1,320
25	1,740	3,510	3,920	4,690	3,730	10,400	2,570	1,610	978	2,290	1,450	1,130
26	1,620	3,920	3,170	3,860	5,660	8,770	2,410	1,950	1,000	1,730	1,310	996
27	1,570	3,970	3,660	3,280	6,430	8,320	2,150	1,930	997	1,330	1,150	971
28	1,550	4,250	3,740	3,100	6,060	7,640	2,000	1,650	1,100	1,110	1,100	971
29	1,560	4,850	3,450	3,500	---	8,070	1,890	1,240	1,930	1,620	1,010	902
30	1,560	5,730	3,210	3,950	---	11,900	1,750	982	2,570	5,400	952	930
31	1,560	---	3,200	4,510	---	14,100	---	961	---	6,630	945	---
TOTAL	117,040	93,950	171,640	194,000	128,080	303,050	223,190	50,773	68,125	60,190	74,907	30,656
MEAN	3,775	3,132	5,537	6,258	4,574	9,776	7,440	1,638	2,271	1,942	2,416	1,022
MAX	11,300	6,720	8,770	17,200	6,800	16,600	14,100	2,280	4,850	6,630	7,030	1,700
MIN	1,550	1,440	3,170	2,460	2,190	5,110	1,750	961	929	1,110	945	812

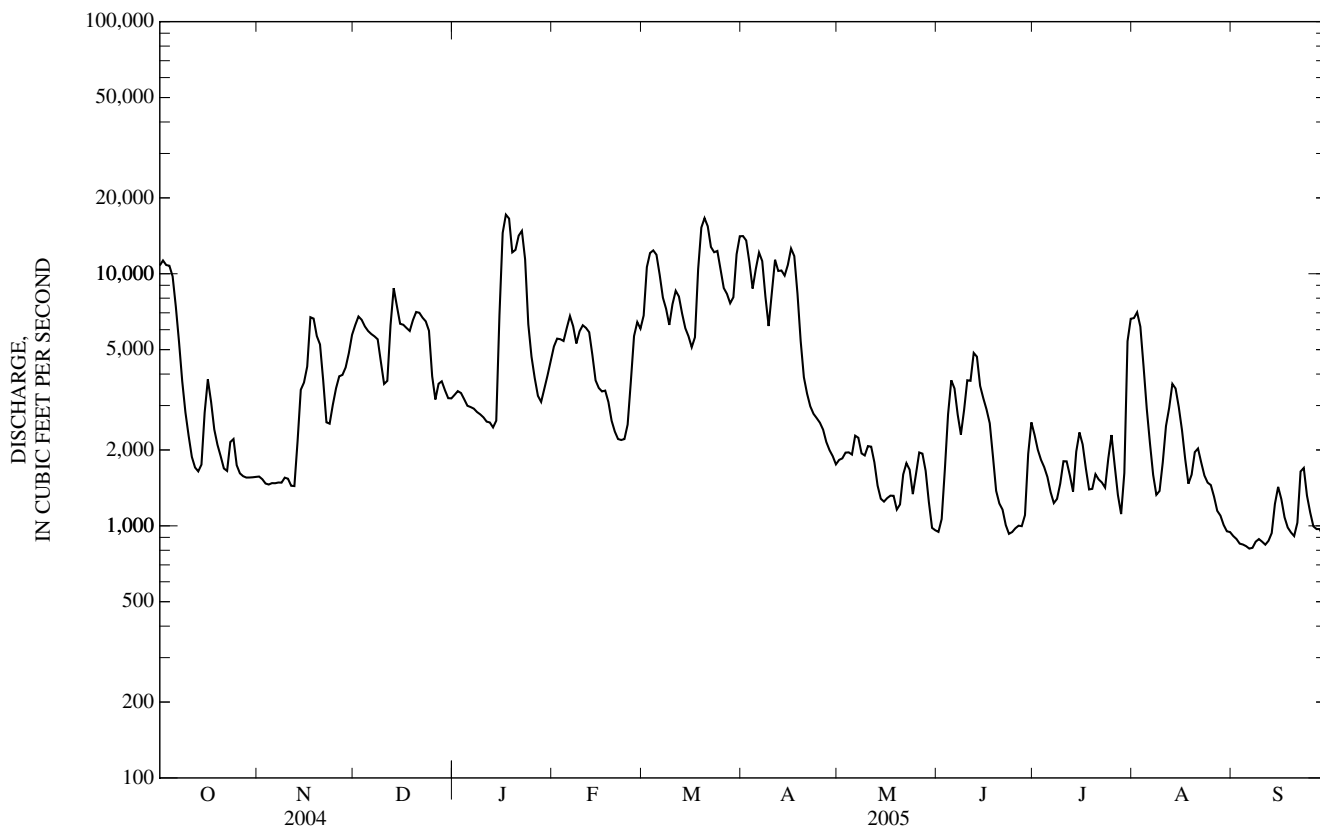
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2005,* BY WATER YEAR (WY)

MEAN	3,569	3,430	4,783	7,827	9,248	10,910	8,115	4,014	3,795	3,124	3,345	3,996
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1982 - 2005*	
ANNUAL TOTAL	1,664,490		1,515,601		5,493	
ANNUAL MEAN	4,548		4,152		10,740	
HIGHEST ANNUAL MEAN					1,833	
LOWEST ANNUAL MEAN					47,600	
HIGHEST DAILY MEAN	21,200	Sep 13	17,200	Jan 17	Sep 11, 1996	
LOWEST DAILY MEAN	1,080	Aug 12	812	Sep 6	179	
ANNUAL SEVEN-DAY MINIMUM	1,280	Jul 16	844	Sep 3	350	
MAXIMUM PEAK FLOW			17,600	Jan 17	48,300	
MAXIMUM PEAK STAGE			19.82	Jan 18	24.29	
INSTANTANEOUS LOW FLOW			807*	Sep 6	NOT DETERMINED*	
10 PERCENT EXCEEDS	8,870		10,300		14,500	
50 PERCENT EXCEEDS	3,190		2,760		2,830	
90 PERCENT EXCEEDS	1,560		1,090		1,050	

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



PRECIPITATION RECORDS

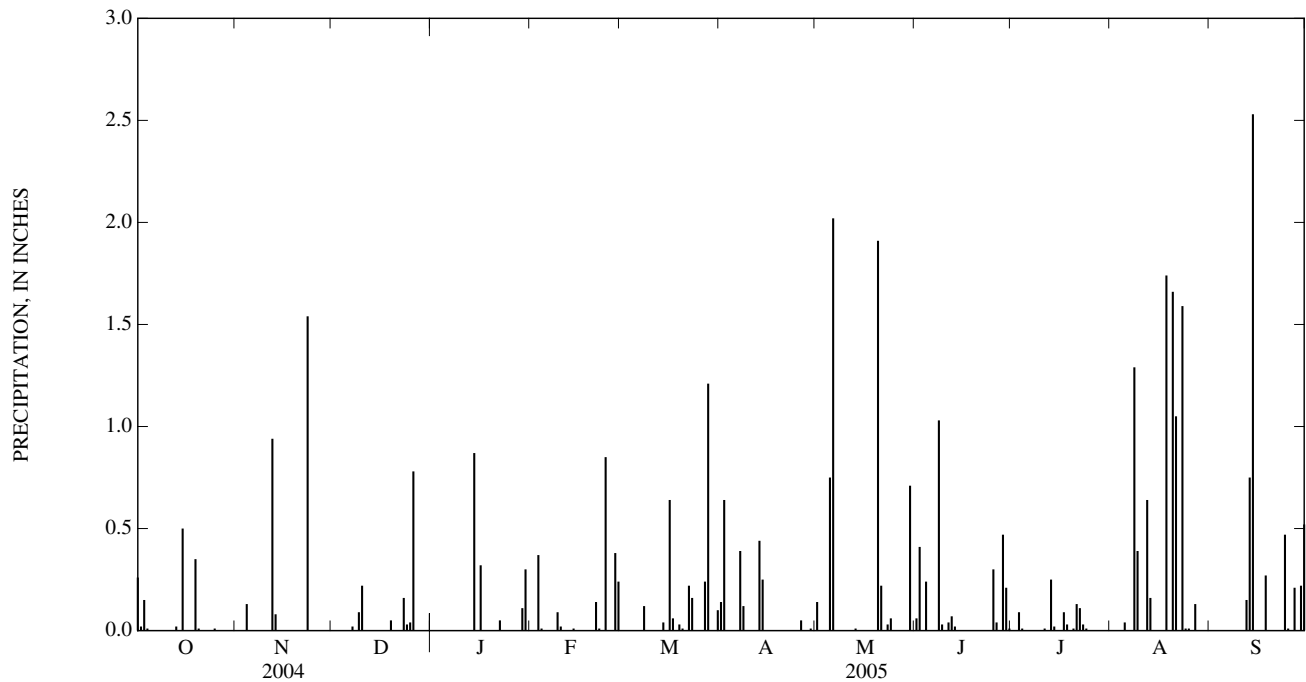
PERIOD OF RECORD.--November 1998 to current year. Records from November 1998 to September 1999 are unpublished and available in the USGS District Office, Raleigh, NC.

GAGE.--Tipping-bucket raingage. 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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.26	0.00	0.00	0.00	0.00	0.00	0.14	0.14	0.06	0.00	---	0.00
2	0.02	0.00	0.00	0.00	0.00	0.00	0.64	0.00	0.41	0.00	---	0.00
3	0.15	0.00	0.00	0.00	0.00	0.37	0.00	0.00	0.00	0.09	---	0.00
4	0.01	0.13	0.00	0.00	0.00	0.01	0.00	0.00	0.24	0.01	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.04	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.02	0.00	0.00	0.00	0.00
7	0.00	0.00	0.02	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.12	0.12	0.00	1.03	0.00	1.29	0.00
9	0.00	0.00	0.09	0.00	0.09	0.00	0.00	0.00	0.03	0.00	0.39	0.00
10	0.00	0.00	0.22	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00
12	0.00	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.64	0.15
13	0.02	0.08	0.00	0.00	0.00	0.00	0.44	0.01	0.02	0.25	0.16	0.75
14	0.00	0.00	0.00	0.87	0.01	0.04	0.25	0.00	0.00	0.02	0.00	2.53
15	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.32	0.00	0.64	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.09	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	1.74	0.27
19	0.35	0.00	0.05	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
20	0.01	0.00	0.00	0.00	0.00	0.01	0.00	1.91	0.00	0.01	1.66	0.00
21	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.22	0.00	0.13	1.05	0.00
22	0.00	0.00	0.00	0.05	0.01	0.22	0.00	0.00	0.00	0.11	0.00	0.00
23	0.00	1.54	0.16	0.00	0.00	0.16	0.00	0.03	0.00	0.03	1.59	0.00
24	0.00	0.00	0.03	0.00	0.85	0.00	0.00	0.06	0.00	0.01	0.01	0.47
25	0.01	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.01	0.01
26	0.00	0.00	0.78	0.00	0.00	0.00	0.05	0.00	0.04	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.38	0.24	0.00	0.00	0.00	0.00	0.13	0.21
28	0.00	0.00	0.00	0.00	0.24	1.21	0.00	0.00	0.47	0.00	0.00	0.00
29	0.00	0.00	0.00	0.11	---	0.00	0.01	0.00	0.21	---	0.00	0.22
30	0.00	0.00	0.00	0.30	---	0.00	0.00	0.71	0.01	---	0.00	0.52
31	0.00	---	0.00	0.00	---	0.10	---	0.00	---	---	0.00	---
TOTAL	1.33	2.69	1.39	1.65	2.12	2.83	2.04	5.85	2.93	---	---	5.13



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 mi².

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. Low flows possibly affected by tide. No flow, also occurred Sept. 11, 1997.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	13	18	11	14	24	12	e0.25	13	32	93	4.9
2	14	13	16	9.9	12	18	42	e0.23	16	22	75	3.7
3	13	13	14	9.2	11	14	129	e0.20	46	17	49	3.3
4	13	12	13	8.9	15	12	54	e0.17	185	16	35	2.8
5	12	15	13	8.8	16	11	29	0.18	230	23	27	2.7
6	11	15	12	9.1	13	9.6	19	41	117	23	23	2.4
7	10	16	12	11	12	8.9	14	97	55	19	20	1.3
8	9.2	16	13	11	9.9	9.0	20	46	33	16	19	0.60
9	8.4	16	14	11	8.6	8.3	25	28	26	14	19	0.58
10	7.8	16	17	11	8.5	8.1	18	20	31	13	21	0.53
11	7.3	17	18	11	7.9	8.0	13	16	28	12	20	0.53
12	7.9	20	16	11	6.9	7.6	9.1	13	22	12	17	0.75
13	7.6	24	15	12	6.1	7.3	6.9	11	18	14	14	6.5
14	7.7	24	13	18	6.5	7.2	12	13	e16	51	12	294
15	10	21	13	28	6.1	6.7	17	12	e14	125	11	785
16	12	19	12	25	6.0	8.8	14	13	e12	69	9.7	310
17	12	18	12	20	5.8	13	9.2	15	e10	43	8.4	143
18	11	17	11	18	5.2	13	5.8	14	e8.4	36	7.7	74
19	17	17	11	16	5.0	11	3.4	12	e7.0	45	8.9	43
20	20	17	11	16	4.8	11	1.9	11	e6.0	33	9.6	27
21	18	16	11	16	5.3	9.4	1.3	70	e5.1	25	9.6	19
22	15	17	10	15	5.8	8.1	0.93	89	e3.8	25	8.0	14
23	14	20	11	16	5.6	10	e0.78	40	e3.1	104	9.5	9.9
24	13	24	12	15	9.1	11	e0.66	46	e2.5	118	46	7.1
25	13	22	12	15	12	9.9	e0.58	60	e2.2	58	60	5.8
26	14	19	21	15	12	8.4	e0.50	42	e2.0	37	28	4.5
27	15	18	31	14	11	11	e0.42	28	e1.8	27	17	4.2
28	14	26	23	14	19	25	e0.37	19	e1.7	30	12	3.6
29	13	31	16	13	---	44	e0.32	14	e6.0	81	9.5	3.2
30	13	22	14	16	---	25	e0.28	12	31	79	7.9	3.5
31	14	---	12	15	---	16	---	12	---	70	6.3	---
TOTAL	382.9	554	447	439.9	260.1	394.3	460.44	795.03	952.6	1,289	713.1	1,781.39
MEAN	12.4	18.5	14.4	14.2	9.29	12.7	15.3	25.6	31.8	41.6	23.0	59.4
MAX	20	31	31	28	19	44	129	97	230	125	93	785
MIN	7.3	12	10	8.8	4.8	6.7	0.28	0.17	1.7	12	6.3	0.53
CFSM	0.57	0.85	0.67	0.66	0.43	0.59	0.71	1.19	1.47	1.93	1.06	2.75
IN.	0.66	0.95	0.77	0.76	0.45	0.68	0.79	1.37	1.64	2.22	1.23	3.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2005, BY WATER YEAR (WY)

MEAN	29.7	20.8	27.5	43.2	51.9	53.9	31.5	18.6	22.2	36.6	47.8	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)

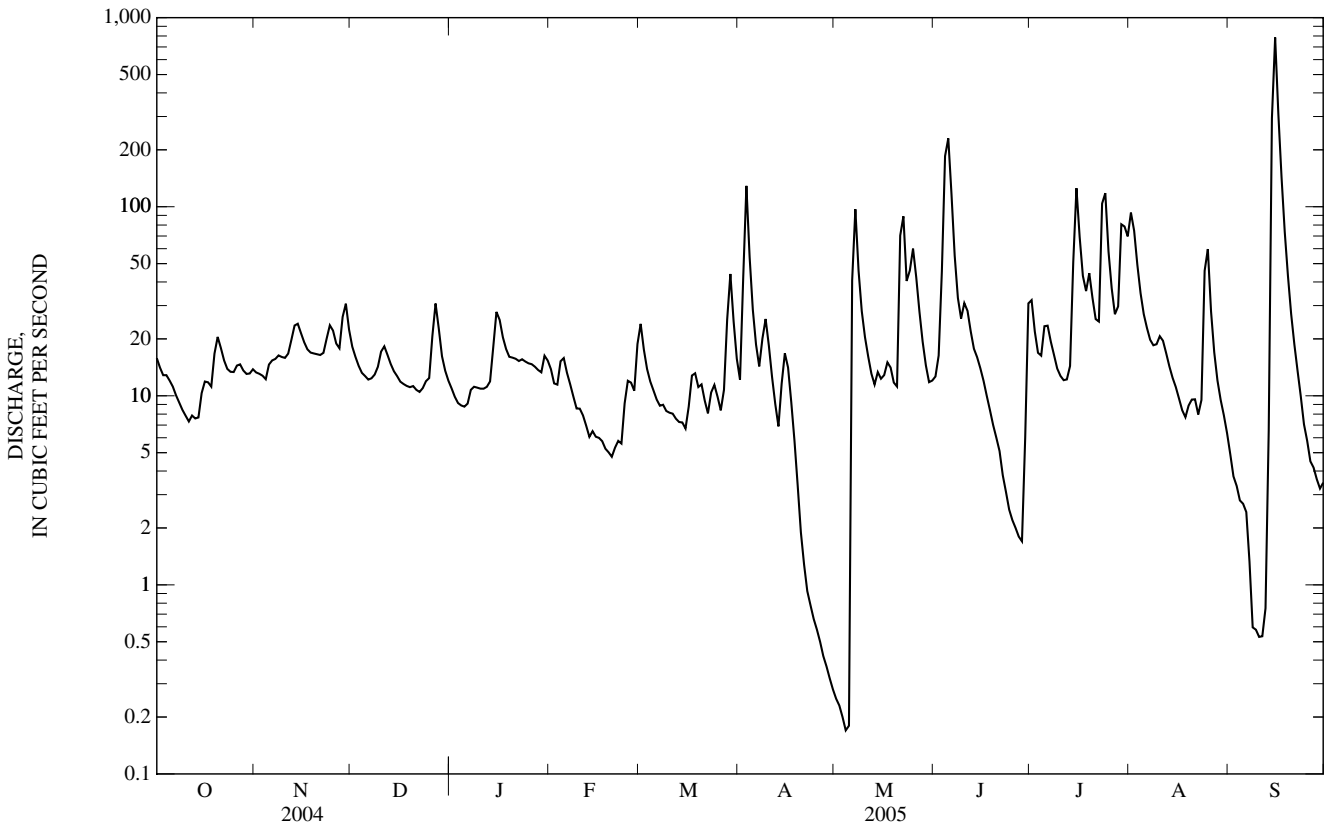
CAPE FEAR RIVER BASIN

02105900 HOOD CREEK NEAR LELAND, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1957 - 2005	
ANNUAL TOTAL	9,857.37		8,469.76		36.8	
ANNUAL MEAN	26.9		23.2		80.6	
HIGHEST ANNUAL MEAN					10.5	1999
LOWEST ANNUAL MEAN					3,000	2002
HIGHEST DAILY MEAN	296	Aug 16	785	Sep 15	0.00	Sep 16, 1999
LOWEST DAILY MEAN	0.63	Jun 27	0.17	May 4	0.02	Sep 10, 1997
ANNUAL SEVEN-DAY MINIMUM	1.2	Jun 23	0.23	Apr 29	0.02	Sep 4, 1997
MAXIMUM PEAK FLOW			1,030	Sep 15	4,800	Sep 16, 1999
MAXIMUM PEAK STAGE			8.46	Sep 15	13.89*	Sep 16, 1999
INSTANTANEOUS LOW FLOW			NOT DETERMINED		0.00*	Sep 10, 1997
ANNUAL RUNOFF (CFSM)	1.25		1.07		1.70	
ANNUAL RUNOFF (INCHES)	16.98		14.59		23.12	
10 PERCENT EXCEEDS	61		42		81	
50 PERCENT EXCEEDS	15		13		15	
90 PERCENT EXCEEDS	4.6		3.7		1.6	

* See REMARKS.

e Estimated.



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 mi².

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.--No estimated daily discharges. Records good. 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 ft³/s and floods in 1945 and 1948 reached a stage of 17.6 ft, present datum; discharge, 5,420 ft³/s, from information furnished by North Carolina State Highway Commission.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	468	209	1,040	520	613	919	661	243	185	491	1,060	319
2	480	201	868	496	563	983	716	231	194	376	659	282
3	466	195	710	477	521	891	885	220	228	342	513	231
4	441	195	610	461	555	728	927	205	276	367	442	196
5	406	211	560	452	610	621	840	194	338	333	404	167
6	375	239	531	446	595	577	722	450	344	289	361	143
7	349	224	510	437	547	539	627	1,120	297	226	328	120
8	326	210	492	427	510	514	604	1,300	281	200	298	103
9	308	202	475	418	484	519	627	1,300	322	204	280	91
10	295	195	499	400	478	524	614	1,240	429	162	274	80
11	280	184	586	384	484	509	564	982	450	140	464	71
12	264	209	564	373	456	485	508	625	349	126	556	64
13	254	556	504	365	431	463	493	542	301	125	549	62
14	267	856	461	404	413	437	822	512	272	189	500	101
15	291	797	421	697	405	414	1,240	444	247	216	466	289
16	299	611	395	879	395	405	1,340	458	219	290	457	292
17	289	515	378	884	383	529	1,280	442	185	359	400	234
18	266	459	371	785	371	778	1,050	371	160	417	371	225
19	264	419	363	683	354	878	808	317	139	646	316	214
20	287	394	356	636	345	886	661	283	121	542	275	206
21	264	380	346	630	340	879	576	291	107	391	253	192
22	251	368	339	619	360	834	509	285	97	334	264	175
23	241	378	345	596	372	875	450	262	86	615	285	161
24	231	511	369	552	425	1,150	400	257	76	954	340	148
25	223	593	375	503	705	1,270	363	244	71	635	395	136
26	222	544	391	475	802	1,270	334	231	73	450	372	126
27	216	483	591	452	712	1,130	314	216	140	410	358	121
28	212	669	683	423	701	928	295	204	170	349	345	118
29	209	1,020	644	403	---	805	273	199	411	308	331	111
30	209	1,100	597	448	---	742	257	191	614	1,080	328	160
31	210	---	555	619	---	685	---	188	---	1,460	327	---
TOTAL	9,163	13,127	15,929	16,344	13,930	23,167	19,760	14,047	7,182	13,026	12,571	4,938
MEAN	296	438	514	527	498	747	659	453	239	420	406	165
MAX	480	1,100	1,040	884	802	1,270	1,340	1,300	614	1,460	1,060	319
MIN	209	184	339	365	340	405	257	188	71	125	253	62
CFSM	0.44	0.65	0.76	0.78	0.74	1.11	0.97	0.67	0.35	0.62	0.60	0.24
IN.	0.50	0.72	0.88	0.90	0.77	1.27	1.09	0.77	0.40	0.72	0.69	0.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2005, BY WATER YEAR (WY)

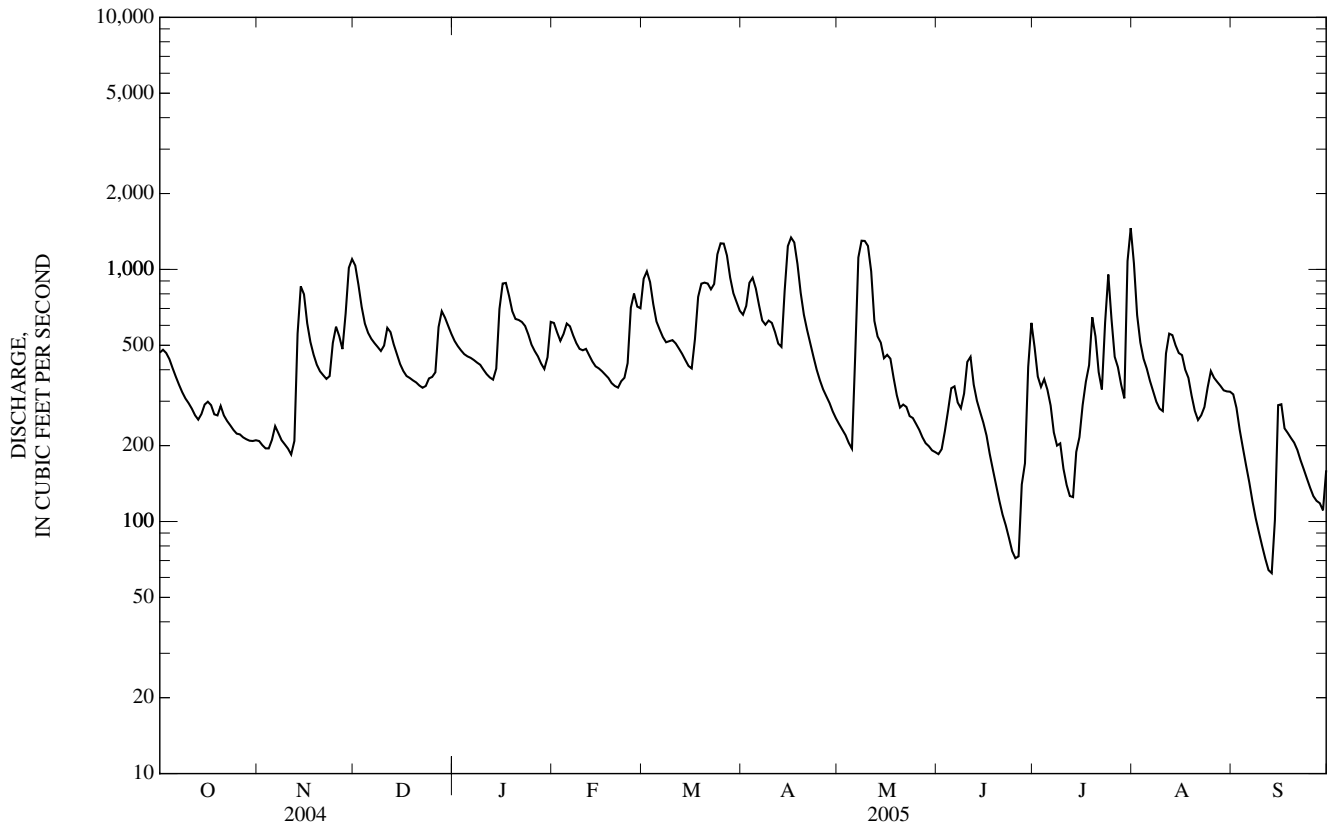
	521	499	707	1,112	1,295	1,405	1,055	540	483	531	708	707
MEAN	521	499	707	1,112	1,295	1,405	1,055	540	483	531	708	707
MAX	4,421	1,412	2,164	2,903	4,212	3,410	3,070	1,687	3,089	3,949	2,810	5,812
(WY)	(2000)	(1963)	(1993)	(1993)	(1998)	(1983)	(1973)	(1978)	(1995)	(2003)	(1974)	(1999)
MIN	29.6	57.1	238	287	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)

CAPE FEAR RIVER BASIN

02106500 BLACK RIVER NEAR TOMAHAWK, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1952 - 2005	
ANNUAL TOTAL	241,731		163,184			
ANNUAL MEAN	660		447		795	
HIGHEST ANNUAL MEAN					1,300	1960
LOWEST ANNUAL MEAN					327	1986
HIGHEST DAILY MEAN	2,490	Apr 16	1,460	Jul 31	27,300	Sep 18, 1999
LOWEST DAILY MEAN	82	Jul 30	62	Sep 13	8.9	Sep 13, 1954
ANNUAL SEVEN-DAY MINIMUM	96	Jul 24	82	Sep 8	9.9	Oct 9, 1954
MAXIMUM PEAK FLOW			1,510	Jul 31	28,500	Sep 18, 1999
MAXIMUM PEAK STAGE			9.43	Jul 31	27.14*	Sep 18, 1999
INSTANTANEOUS LOW FLOW			59	Sep 14	8.5	Oct 13, 1954
ANNUAL RUNOFF (CFSM)	0.977		0.661		1.18	
ANNUAL RUNOFF (INCHES)	13.30		8.98		15.97	
10 PERCENT EXCEEDS	1,370		827		1,770	
50 PERCENT EXCEEDS	519		395		514	
90 PERCENT EXCEEDS	210		185		108	

* See REMARKS.



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 mi².

PERIOD OF RECORD.--March 2004 to November 2005 (discontinued).

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 PERIOD OF RECORD.--Maximum discharge, 3,610 ft³/s, Mar. 8, 2004, maximum gage height, 5.20 ft, Mar. 8, 2004; minimum discharge, -1,110 ft³/s, Sept. 12, 2005.

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

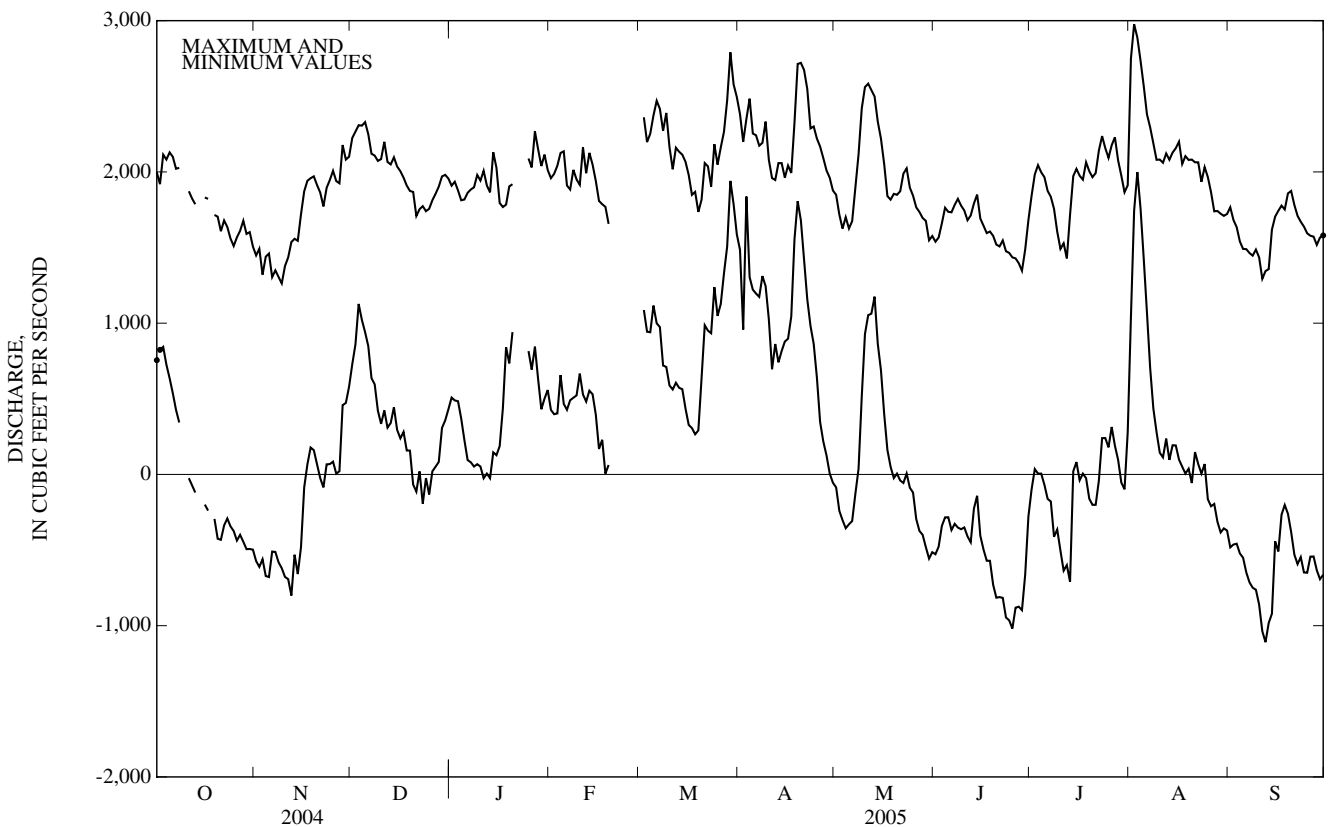
DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	2,000	755	1,450	-573	2,220	728	1,910	508	1,960	427	---	---
2	1,920	824	1,490	-611	2,270	860	1,940	489	1,990	398	2,360	1,090
3	2,110	843	1,320	-561	2,310	1,130	1,880	484	2,040	403	2,200	943
4	2,080	726	1,440	-672	2,310	1,020	1,810	369	2,130	657	2,250	940
5	2,130	636	1,460	-679	2,330	940	1,820	226	2,140	466	2,370	1,120
6	2,100	536	1,300	-510	2,250	848	1,860	95	1,910	427	2,470	999
7	2,020	427	1,350	-512	2,120	637	1,880	80	1,880	490	2,420	974
8	2,030	343	1,310	-581	2,110	595	1,900	52	2,010	507	2,270	720
9	---	---	1,260	-620	2,070	421	1,980	68	1,950	523	2,390	711
10	---	---	1,380	-678	2,080	334	1,940	52	1,910	666	2,160	588
11	1,870	-25	1,430	-693	2,200	423	2,010	-25	2,160	528	2,020	562
12	1,820	-72	1,540	-801	2,070	310	1,910	5.6	1,990	482	2,160	606
13	1,790	-120	1,560	-531	2,050	340	1,860	-25	2,130	554	2,130	573
14	---	---	1,540	-659	2,100	444	2,130	146	2,050	530	2,110	563
15	---	---	1,720	-482	2,040	295	2,030	127	1,940	395	2,070	435
16	1,830	-199	1,870	-85	2,000	238	1,790	187	1,810	168	1,980	327
17	1,820	-239	1,940	67	1,960	281	1,770	437	1,790	229	1,850	306
18	---	---	1,960	178	1,910	158	1,780	841	1,770	5.2	1,870	265
19	1,720	-294	1,970	160	1,870	157	1,900	734	1,660	62	1,740	291
20	1,700	-425	1,910	67	1,870	-67	1,920	941	---	---	1,820	635
21	1,610	-432	1,860	-24	1,710	-114	---	---	---	---	2,060	986
22	1,680	-337	1,770	-86	1,750	20	---	---	---	---	2,040	951
23	1,640	-291	1,890	67	1,770	-193	---	---	---	---	1,900	934
24	1,560	-343	1,950	68	1,740	-24	---	---	---	---	2,180	1,240
25	1,510	-374	2,010	84	1,760	-132	2,090	815	---	---	2,050	1,050
26	1,570	-437	1,940	5.3	1,810	21	2,030	693	---	---	2,160	1,130
27	1,610	-399	1,920	21	1,860	51	2,270	845	---	---	2,270	1,330
28	1,680	-445	2,180	458	1,900	82	2,150	629	---	---	2,470	1,510
29	1,590	-494	2,080	473	1,970	308	2,040	431	---	---	2,790	1,940
30	1,600	-493	2,100	580	1,980	357	2,110	501	---	---	2,580	1,790
31	1,510	-498	---	---	1,960	431	2,010	558	---	---	2,500	1,590
MONTH	---	---	2,180	-801	2,330	-193	---	---	---	---	---	---

CAPE FEAR RIVER BASIN

02107544 BLACK RIVER NEAR CURRIE, NC—Continued

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

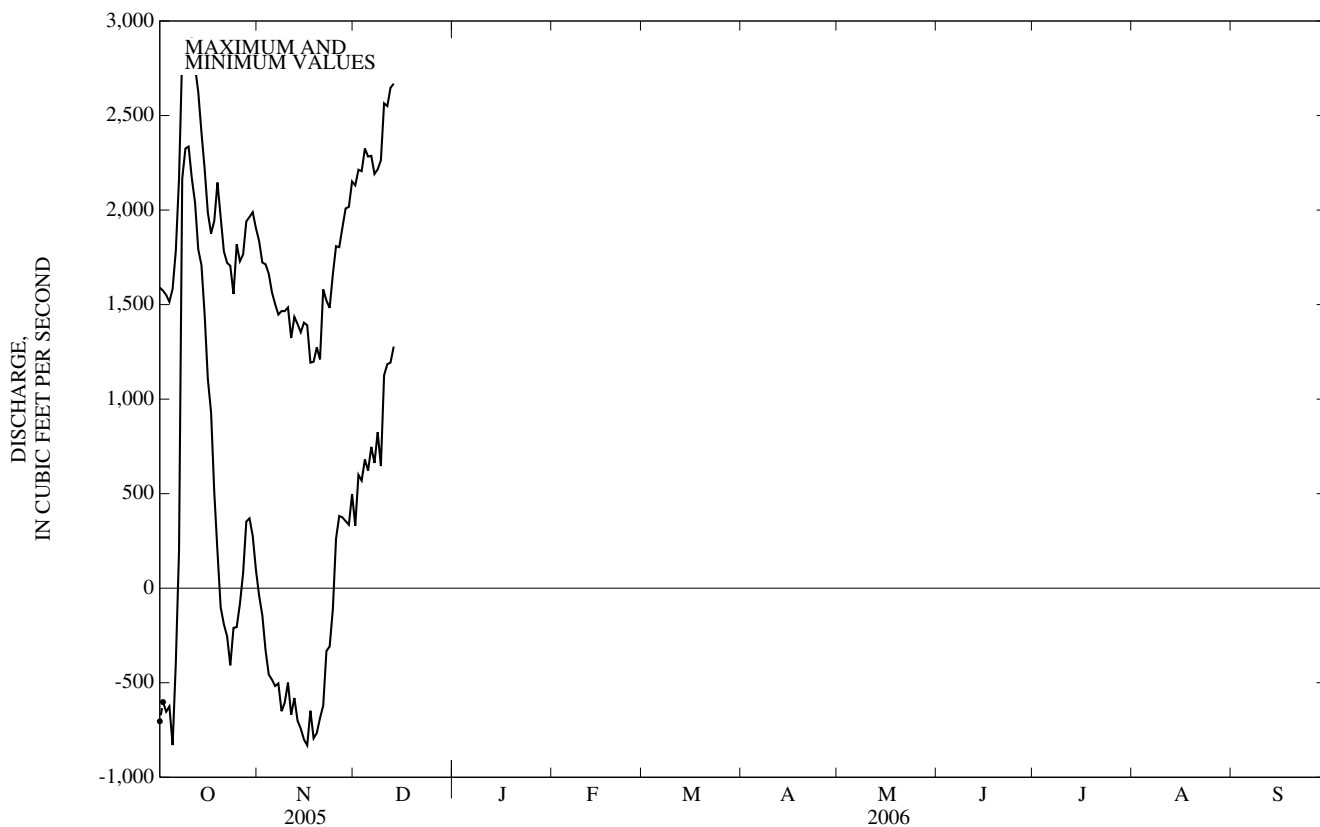
DAY	MAX		MIN		MAX		MIN		MAX		MIN	
	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER						
1	2,380	1,480	1,850	-86	1,540	-528	1,840	-99	2,750	1,040	1,770	-482
2	2,200	958	1,720	-241	1,570	-477	1,980	36	2,980	1,740	1,680	-464
3	2,350	1,840	1,630	-302	1,660	-341	2,040	5.2	2,890	2,000	1,630	-458
4	2,480	1,300	1,700	-356	1,760	-284	2,000	5.5	2,730	1,760	1,540	-523
5	2,250	1,220	1,630	-330	1,740	-283	1,970	-69	2,570	1,420	1,490	-551
6	2,240	1,200	1,670	-308	1,730	-368	1,870	-161	2,380	1,070	1,490	-648
7	2,170	1,170	1,900	-129	1,780	-327	1,840	-179	2,290	703	1,460	-714
8	2,190	1,310	2,120	37	1,820	-351	1,760	-412	2,190	435	1,450	-749
9	2,330	1,240	2,420	515	1,780	-362	1,610	-364	2,080	279	1,490	-763
10	2,080	1,020	2,560	928	1,740	-350	1,490	-504	2,080	143	1,430	-860
11	1,960	695	2,580	1,050	1,680	-410	1,530	-636	2,060	113	1,290	-1,040
12	1,950	862	2,540	1,060	1,710	-448	1,430	-600	2,120	237	1,340	-1,110
13	2,060	741	2,500	1,180	1,790	-226	1,720	-710	2,080	96	1,360	-982
14	2,060	816	2,330	863	1,850	-141	1,970	20	2,130	193	1,620	-921
15	1,960	878	2,220	687	1,690	-406	2,020	82	2,160	192	1,700	-443
16	2,040	897	2,050	399	1,640	-497	1,970	-38	2,200	98	1,740	-509
17	1,990	1,050	1,840	162	1,600	-571	1,950	5.2	2,050	51	1,780	-266
18	2,320	1,550	1,820	50	1,610	-571	2,060	-24	2,100	5.7	1,750	-202
19	2,710	1,810	1,850	-24	1,580	-729	2,000	-161	2,080	37	1,860	-260
20	2,720	1,680	1,850	5.4	1,520	-815	1,970	-201	2,080	-57	1,870	-380
21	2,670	1,420	1,870	-40	1,510	-811	1,990	-201	2,060	148	1,780	-530
22	2,550	1,160	1,990	-56	1,550	-816	2,140	-40	2,060	68	1,710	-593
23	2,290	981	2,020	5.8	1,480	-946	2,240	240	1,930	5.8	1,670	-547
24	2,300	863	1,900	-88	1,460	-964	2,160	241	2,030	69	1,640	-648
25	2,220	640	1,840	-120	1,430	-1,020	2,090	179	1,970	-164	1,590	-650
26	2,170	347	1,770	-295	1,430	-881	2,180	314	1,870	-211	1,580	-544
27	2,090	217	1,740	-374	1,400	-874	2,230	190	1,740	-195	1,570	-543
28	2,010	125	1,700	-399	1,350	-898	2,080	95	1,740	-314	1,520	-634
29	1,960	5.5	1,680	-481	1,490	-662	1,980	-54	1,720	-384	1,570	-693
30	1,880	-55	1,550	-557	1,680	-279	1,870	-98	1,710	-357	1,580	-664
31	---	---	1,580	-514	---	---	1,910	282	1,720	-371	---	---
MONTH	2,720	-55	2,580	-557	1,850	-1,020	2,240	-710	2,980	-384	1,870	-1,110



02107544 BLACK RIVER NEAR CURRIE, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	1,590	-704	1,840	-40	---	---	---	---	---	---	---	---
2	1,570	-602	1,720	-143	---	---	---	---	---	---	---	---
3	1,550	-653	1,710	-328	---	---	---	---	---	---	---	---
4	1,510	-625	1,660	-457	---	---	---	---	---	---	---	---
5	1,580	-830	1,570	-484	---	---	---	---	---	---	---	---
6	1,790	-394	1,500	-518	---	---	---	---	---	---	---	---
7	2,170	198	1,450	-503	---	---	---	---	---	---	---	---
8	2,830	2,170	1,470	-651	---	---	---	---	---	---	---	---
9	2,750	2,330	1,470	-605	---	---	---	---	---	---	---	---
10	2,780	2,340	1,480	-499	---	---	---	---	---	---	---	---
11	2,910	2,170	1,320	-669	---	---	---	---	---	---	---	---
12	2,760	2,040	1,430	-581	---	---	---	---	---	---	---	---
13	2,620	1,790	1,400	-701	---	---	---	---	---	---	---	---
14	2,410	1,710	1,350	-743	---	---	---	---	---	---	---	---
15	2,220	1,450	1,400	-801	---	---	---	---	---	---	---	---
16	1,990	1,110	1,390	-831	---	---	---	---	---	---	---	---
17	1,880	930	1,190	-648	---	---	---	---	---	---	---	---
18	1,940	506	1,200	-794	---	---	---	---	---	---	---	---
19	2,150	193	1,270	-765	---	---	---	---	---	---	---	---
20	1,960	-101	1,210	-687	---	---	---	---	---	---	---	---
21	1,780	-191	1,580	-621	---	---	---	---	---	---	---	---
22	1,720	-255	1,520	-332	---	---	---	---	---	---	---	---
23	1,700	-408	1,480	-309	---	---	---	---	---	---	---	---
24	1,560	-210	1,660	-113	---	---	---	---	---	---	---	---
25	1,820	-206	1,810	262	---	---	---	---	---	---	---	---
26	1,730	-83	1,800	382	---	---	---	---	---	---	---	---
27	1,760	79	1,910	375	---	---	---	---	---	---	---	---
28	1,940	353	2,010	355	---	---	---	---	---	---	---	---
29	1,960	369	2,020	335	---	---	---	---	---	---	---	---
30	1,990	276	2,150	498	---	---	---	---	---	---	---	---
31	1,900	97	---	---	---	---	---	---	---	---	---	---
MONTH	2,910	-830	2,150	-831	---	---	---	---	---	---	---	---



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 mi².

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.--No estimated daily discharges. Records good. Minimum discharge for period of record also occurred Oct. 11, 1954. Minimum discharge for current water year also occurred Sept. 14.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	319	118	992	599	637	1,040	875	154	127	1,230	409	43
2	331	112	913	541	633	1,070	970	142	134	1,240	631	37
3	318	108	816	500	587	1,020	1,200	130	184	1,270	599	32
4	310	104	724	466	601	894	1,220	120	249	994	462	27
5	295	111	647	437	629	753	1,140	111	351	786	397	23
6	276	120	579	417	614	636	1,010	233	381	568	387	20
7	252	118	522	398	575	557	831	863	324	346	353	17
8	223	114	478	375	523	508	875	1,220	274	213	281	15
9	197	112	441	354	473	487	946	1,390	225	147	211	13
10	176	109	487	332	459	459	885	1,440	237	115	183	12
11	157	106	578	315	448	433	783	1,360	354	91	179	10
12	140	112	584	302	420	410	664	1,170	375	77	238	9.7
13	130	325	573	294	392	384	574	1,120	335	71	179	9.4
14	126	643	531	366	363	354	883	1,060	257	74	131	20
15	152	888	472	780	342	327	1,270	821	188	85	108	109
16	231	987	421	969	331	313	1,390	617	141	96	96	227
17	275	961	382	1,050	320	388	1,390	568	110	107	103	313
18	291	829	357	1,010	315	563	1,250	511	88	106	95	296
19	275	658	335	875	302	685	1,020	443	76	99	88	242
20	236	527	318	745	284	739	799	366	64	82	75	189
21	205	442	300	674	274	755	655	386	53	119	68	149
22	185	376	288	617	285	730	547	408	46	233	71	125
23	171	363	289	575	290	774	455	402	42	289	78	106
24	162	510	376	524	351	904	382	374	36	273	81	89
25	153	641	414	472	662	1,010	324	329	32	205	79	85
26	146	695	460	436	897	1,110	278	310	36	136	85	73
27	145	668	715	409	938	1,090	244	280	98	91	85	68
28	138	744	807	377	936	1,040	214	238	82	70	75	64
29	130	921	808	348	---	1,110	188	190	194	60	66	61
30	126	997	752	391	---	1,080	168	154	905	71	56	65
31	122	---	674	549	---	970	---	137	---	177	49	---
TOTAL	6,393	13,519	17,033	16,497	13,881	22,593	23,430	17,047	5,998	9,521	5,998	2,549.1
MEAN	206	451	549	532	496	729	781	550	200	307	193	85.0
MAX	331	997	992	1,050	938	1,110	1,390	1,440	905	1,270	631	313
MIN	122	104	288	294	274	313	168	111	32	60	49	9.4
CFSM	0.34	0.75	0.92	0.89	0.83	1.22	1.30	0.92	0.33	0.51	0.32	0.14
IN.	0.40	0.84	1.06	1.02	0.86	1.40	1.46	1.06	0.37	0.59	0.37	0.16

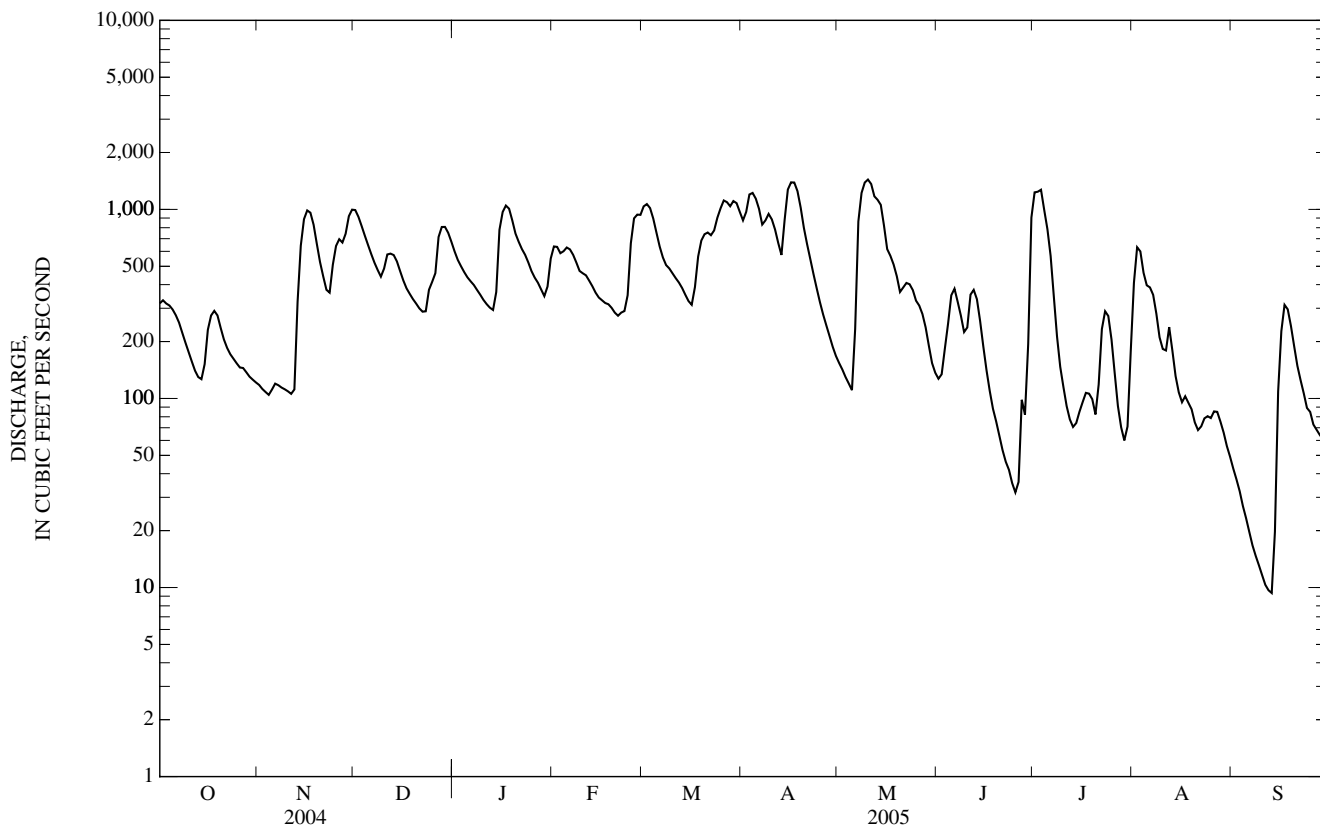
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2005, BY WATER YEAR (WY)

MEAN	454	430	660	1,035	1,187	1,224	847	476	410	566	673	672
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1940 - 2005	
ANNUAL TOTAL	239,051		154,459.1			
ANNUAL MEAN	653		423		719	
HIGHEST ANNUAL MEAN					1,243	1973
LOWEST ANNUAL MEAN					279	1951
HIGHEST DAILY MEAN	4,150	Aug 17	1,440	May 10	29,900	Sep 18, 1999
LOWEST DAILY MEAN	46	Aug 1	9.4	Sep 13	5.3	Oct 10, 1954
ANNUAL SEVEN-DAY MINIMUM	63	Jul 27	12	Sep 7	5.5	Oct 8, 1954
MAXIMUM PEAK FLOW			1,440	May 10	30,700	Sep 18, 1999
MAXIMUM PEAK STAGE			8.94	May 10	23.51	Sep 18, 1999
INSTANTANEOUS LOW FLOW			8.9*	Sep 13	5.3*	Oct 10, 1954
ANNUAL RUNOFF (CFSM)	1.09		0.706		1.20	
ANNUAL RUNOFF (INCHES)	14.85		9.59		16.30	
10 PERCENT EXCEEDS	1,400		969		1,690	
50 PERCENT EXCEEDS	474		332		406	
90 PERCENT EXCEEDS	130		75		60	

* See REMARKS.



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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1999 to November 2003, October 2004 to September 2005 (elevation), November 2003 to November 2005 (discharge). Records for September 1999 are unpublished and available in the USGS Water Science Center, Raleigh, NC.

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

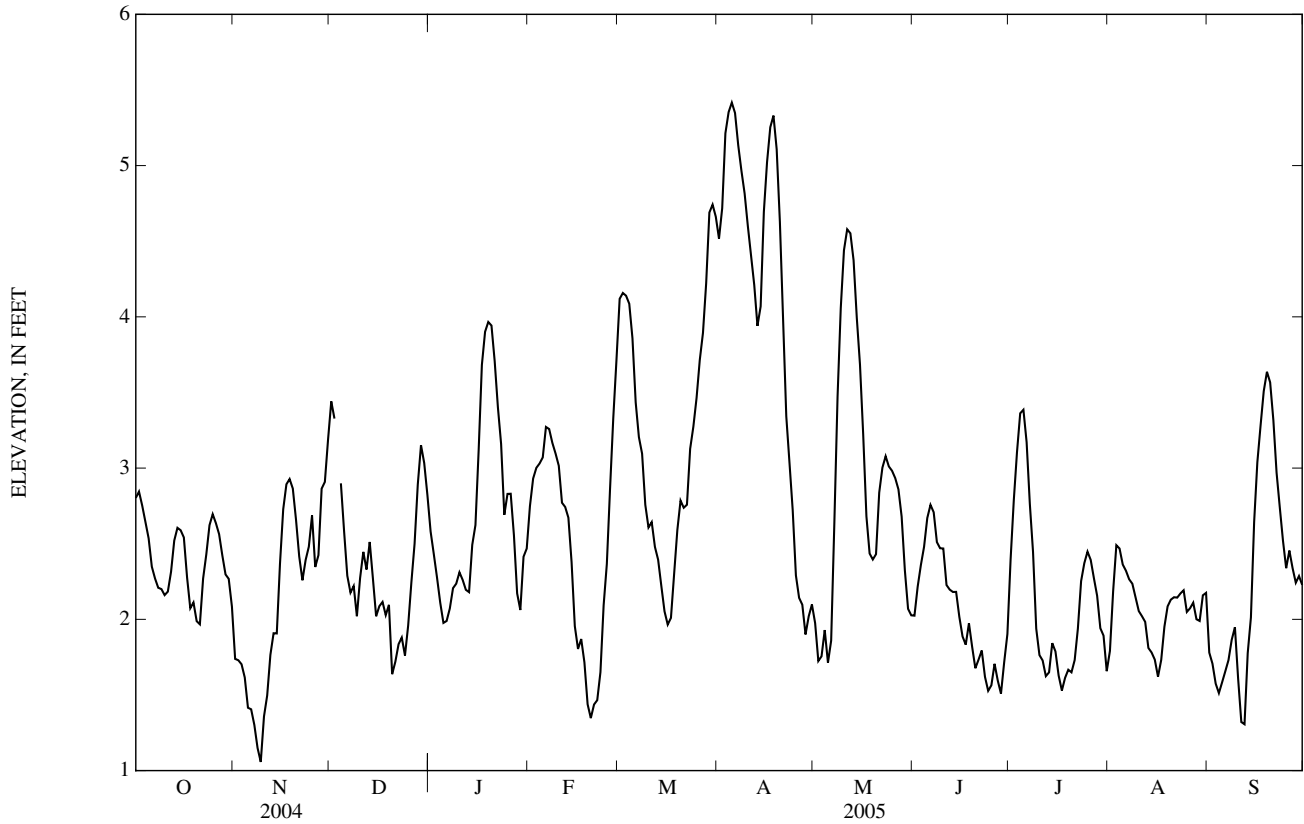
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 22.77 ft, Sept. 20, 1999; minimum elevation, -0.18 ft, Jan 2, 2002; maximum discharge, 6,830 ft³/s, Oct. 13, 2005; minimum discharge, -567 ft³/s, Sept. 4, 2005.

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 fluctuations that are not representative of net downstream discharge.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.80	1.74	3.44	2.58	2.75	4.12	4.52	1.97	2.02	2.40	1.79	1.78
2	2.84	1.73	3.33	2.43	2.93	4.16	4.72	1.72	2.22	2.79	2.19	1.71
3	2.75	1.70	---	2.28	3.00	4.14	5.21	1.76	2.36	3.11	2.49	1.57
4	2.64	1.62	2.90	2.11	3.03	4.09	5.35	1.93	2.48	3.36	2.47	1.51
5	2.54	1.42	2.58	1.98	3.07	3.86	5.42	1.71	2.67	3.39	2.36	1.58
6	2.35	1.41	2.29	1.99	3.27	3.43	5.35	1.86	2.76	3.17	2.32	1.66
7	2.27	1.30	2.18	2.07	3.26	3.21	5.13	2.64	2.71	2.76	2.26	1.73
8	2.21	1.15	2.22	2.21	3.17	3.10	4.97	3.47	2.51	2.45	2.24	1.86
9	2.20	1.06	2.02	2.24	3.10	2.76	4.82	4.06	2.47	1.94	2.15	1.95
10	2.16	1.36	2.27	2.31	3.02	2.61	4.60	4.44	2.47	1.76	2.05	1.61
11	2.18	1.50	2.45	2.26	2.77	2.64	4.41	4.58	2.23	1.73	2.02	1.32
12	2.31	1.77	2.33	2.20	2.74	2.48	4.21	4.55	2.20	1.62	1.98	1.31
13	2.52	1.91	2.51	2.18	2.67	2.39	3.94	4.37	2.18	1.65	1.81	1.78
14	2.61	1.91	2.27	2.49	2.38	2.22	4.07	3.99	2.18	1.84	1.78	2.01
15	2.59	2.37	2.02	2.62	1.96	2.05	4.69	3.68	2.02	1.79	1.73	2.64
16	2.54	2.73	2.09	3.12	1.80	1.97	5.02	3.22	1.89	1.63	1.62	3.04
17	2.28	2.89	2.12	3.68	1.87	2.01	5.25	2.68	1.83	1.53	1.73	3.28
18	2.07	2.93	2.03	3.90	1.72	2.30	5.33	2.44	1.97	1.61	1.95	3.51
19	2.11	2.86	2.10	3.97	1.44	2.59	5.11	2.40	1.82	1.67	2.09	3.64
20	1.99	2.66	1.64	3.94	1.35	2.79	4.63	2.43	1.68	1.65	2.13	3.57
21	1.97	2.42	1.72	3.71	1.44	2.74	3.99	2.84	1.73	1.73	2.15	3.32
22	2.27	2.26	1.84	3.40	1.47	2.76	3.34	3.00	1.79	1.94	2.14	2.97
23	2.43	2.39	1.88	3.16	1.65	3.13	3.03	3.08	1.62	2.25	2.17	2.74
24	2.62	2.48	1.76	2.69	2.09	3.27	2.72	3.01	1.53	2.37	2.19	2.52
25	2.70	2.69	1.96	2.83	2.37	3.46	2.29	2.98	1.56	2.45	2.05	2.34
26	2.64	2.35	2.24	2.83	2.86	3.71	2.14	2.93	1.71	2.39	2.07	2.45
27	2.56	2.42	2.50	2.56	3.33	3.89	2.10	2.86	1.60	2.27	2.11	2.34
28	2.42	2.86	2.89	2.17	3.71	4.22	1.90	2.68	1.51	2.16	2.00	2.24
29	2.30	2.91	3.15	2.06	---	4.69	2.02	2.32	1.72	1.94	1.99	2.29
30	2.27	3.19	3.03	2.41	---	4.74	2.10	2.07	1.90	1.89	2.16	2.23
31	2.08	---	2.82	2.47	---	4.66	---	2.03	---	1.66	2.18	---
MEAN	2.39	2.13	---	2.67	2.51	3.23	4.08	2.89	2.04	2.16	2.08	2.28
MAX	2.84	3.19	---	3.97	3.71	4.74	5.42	4.58	2.76	3.39	2.49	3.64
MIN	1.97	1.06	---	1.98	1.35	1.97	1.90	1.71	1.51	1.53	1.62	1.31

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued



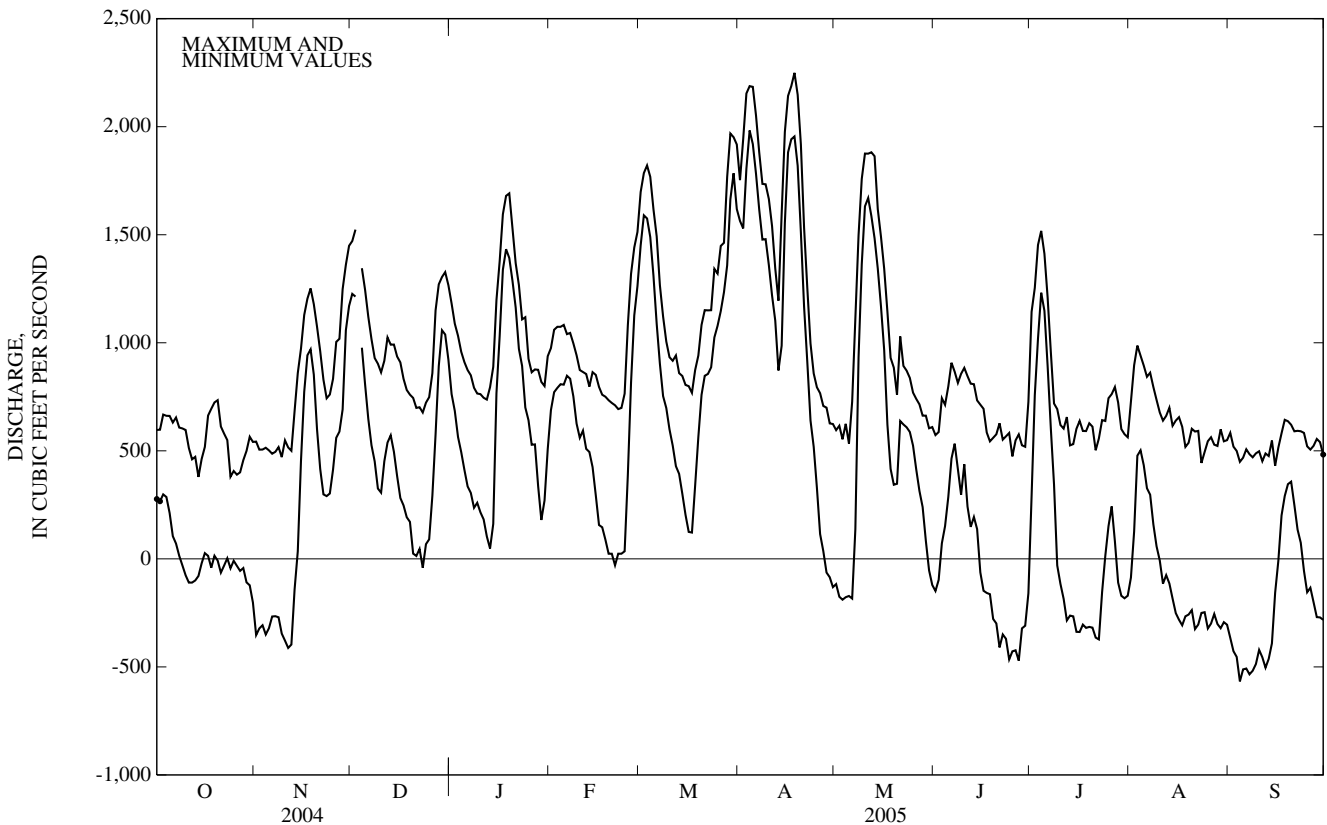
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	597	277	543	-353	1,470	1,230	1,180	763	975	688	1,700	1,450
2	598	266	505	-322	1,520	1,210	1,090	685	1,060	771	1,790	1,590
3	668	298	506	-307	---	---	1,030	564	1,070	791	1,820	1,580
4	662	286	514	-350	1,350	977	958	494	1,070	808	1,770	1,490
5	661	212	502	-321	1,240	807	910	412	1,080	806	1,620	1,310
6	631	105	486	-267	1,120	648	874	335	1,040	847	1,490	1,090
7	654	71	495	-265	1,020	526	849	305	1,050	834	1,270	903
8	608	14	517	-270	929	451	792	236	997	752	1,120	753
9	604	-31	471	-346	903	325	765	260	942	626	1,010	698
10	596	-76	548	-378	863	306	762	215	874	560	933	599
11	513	-110	516	-412	917	451	745	182	865	594	917	524
12	461	-110	500	-397	1,020	538	737	103	855	509	941	429
13	472	-100	684	-142	991	572	794	48	797	495	859	393
14	379	-79	860	35	992	495	888	162	864	424	846	301
15	462	-21	973	454	936	383	1,200	766	851	293	805	204
16	518	26	1,130	773	909	282	1,380	1,030	796	157	799	125
17	663	14	1,200	942	833	247	1,590	1,340	760	146	768	122
18	694	-41	1,250	970	781	193	1,680	1,430	750	89	874	339
19	724	14	1,180	852	760	171	1,690	1,390	734	24	941	564
20	734	-8.1	1,070	600	745	24	1,530	1,290	721	24	1,080	759
21	612	-64	961	416	699	13	1,370	1,160	711	-30	1,150	847
22	579	-31	829	298	702	46	1,270	972	693	24	1,150	856
23	549	2.9	743	290	677	-41	1,110	893	698	24	1,150	887
24	380	-44	761	302	723	68	1,120	701	764	35	1,340	1,020
25	407	-8.8	833	413	748	91	926	641	1,080	388	1,320	1,080
26	390	-32	1,000	560	859	292	863	528	1,320	815	1,450	1,150
27	400	-56	1,020	589	1,150	576	877	530	1,440	1,130	1,460	1,230
28	457	-43	1,250	692	1,270	892	875	337	1,510	1,260	1,770	1,360
29	500	-109	1,360	1,060	1,300	1,060	819	180	---	---	1,970	1,660
30	565	-122	1,450	1,170	1,330	1,040	800	270	---	---	1,950	1,780
31	541	-203	---	---	1,270	922	938	508	---	---	1,920	1,620
MONTH	734	-203	1,450	-412	---	---	1,690	48	1,510	-30	1,970	122

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

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

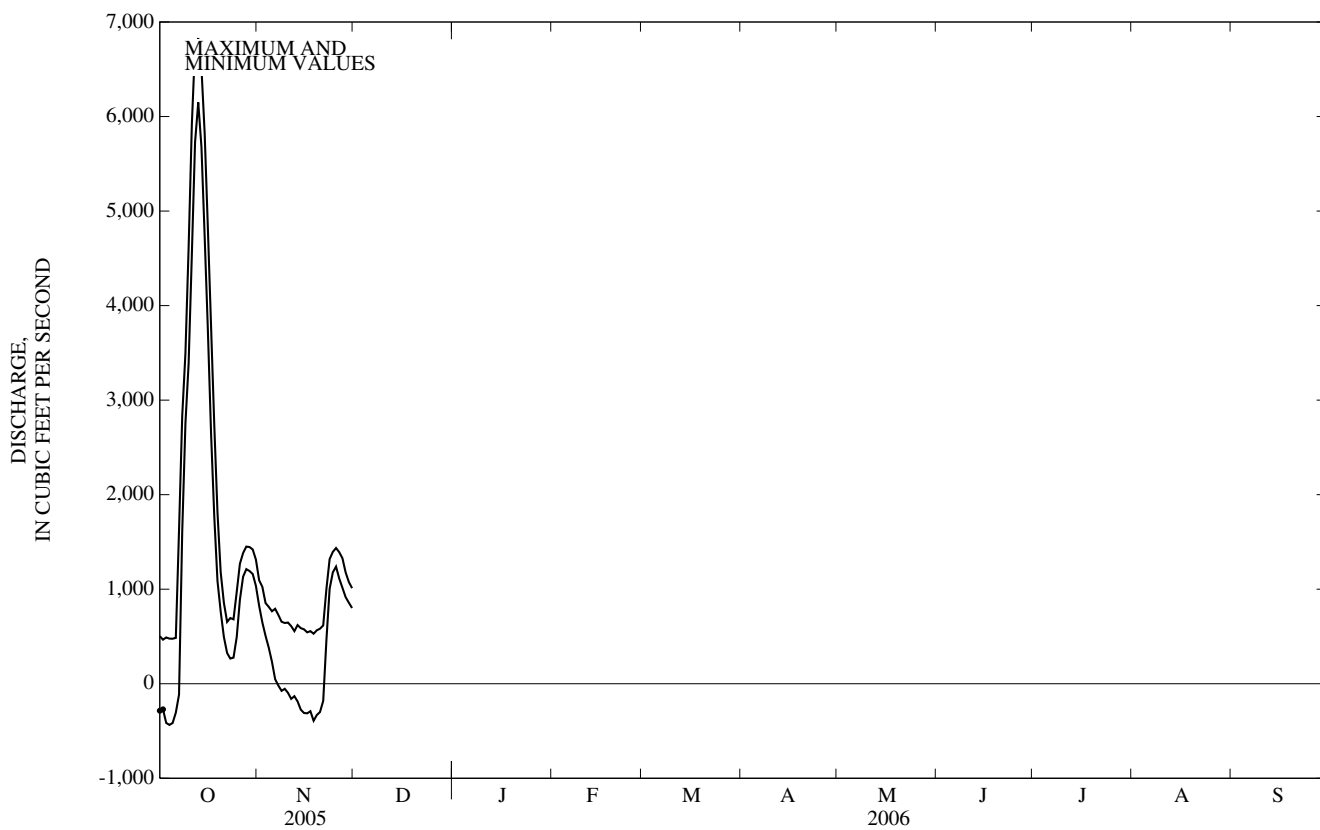
DAY	MAX		MIN		MAX		MIN		MAX		MIN	
	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER						
1	1,750	1,560	596	-117	573	-149	1,140	291	728	-87	583	-366
2	1,940	1,530	616	-175	587	-98	1,250	758	896	127	519	-427
3	2,150	1,810	553	-189	744	72	1,450	1,020	987	477	499	-454
4	2,190	1,980	625	-177	713	152	1,520	1,230	940	502	449	-567
5	2,180	1,920	534	-172	798	286	1,410	1,150	894	433	468	-512
6	2,050	1,780	727	-184	908	464	1,210	893	842	327	507	-508
7	1,880	1,620	1,110	138	866	533	958	604	862	297	484	-535
8	1,740	1,480	1,500	933	814	415	719	345	795	160	470	-518
9	1,730	1,480	1,760	1,360	856	296	693	-30	736	58	488	-487
10	1,670	1,360	1,880	1,630	884	438	619	-116	677	-8.1	498	-421
11	1,540	1,220	1,880	1,670	845	242	603	-185	640	-115	452	-455
12	1,340	1,100	1,880	1,590	811	148	656	-285	662	-75	488	-504
13	1,190	872	1,860	1,480	808	194	525	-263	699	-114	476	-463
14	1,600	986	1,620	1,340	733	138	531	-266	616	-184	547	-391
15	1,980	1,550	1,490	1,170	714	-62	602	-338	640	-251	431	-157
16	2,140	1,880	1,340	966	694	-148	638	-338	656	-282	515	-9.0
17	2,190	1,940	1,140	621	585	-158	592	-304	611	-308	581	201
18	2,250	1,950	930	416	544	-164	591	-319	518	-266	644	291
19	2,150	1,820	885	343	560	-278	627	-315	537	-258	637	346
20	1,920	1,510	759	348	577	-299	612	-318	602	-237	621	357
21	1,530	1,170	1,030	638	627	-410	503	-364	589	-325	590	249
22	1,260	913	893	622	552	-350	557	-373	592	-304	592	135
23	997	640	871	609	567	-370	642	-154	444	-250	590	74
24	858	518	837	587	583	-466	638	14	495	-247	583	-56
25	794	329	769	524	474	-428	743	151	544	-322	521	-155
26	767	115	740	414	548	-423	762	243	563	-299	506	-134
27	708	36	715	314	576	-471	795	81	528	-255	523	-201
28	700	-63	663	240	526	-322	724	-110	522	-302	555	-270
29	627	-85	663	83	519	-309	601	-171	599	-321	540	-271
30	624	-131	604	-53	726	-159	577	-182	544	-293	483	-282
31	---	---	610	-121	---	---	563	-171	549	-305	---	---
MONTH	2,250	-131	1,880	-189	908	-471	1,520	-373	987	-325	644	-567



02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	503	-286	1,090	825	---	---	---	---	---	---	---	---
2	466	-271	1,030	649	---	---	---	---	---	---	---	---
3	489	-414	853	506	---	---	---	---	---	---	---	---
4	477	-436	813	381	---	---	---	---	---	---	---	---
5	476	-415	766	232	---	---	---	---	---	---	---	---
6	485	-306	793	48	---	---	---	---	---	---	---	---
7	1,620	-115	727	-19	---	---	---	---	---	---	---	---
8	2,830	1,610	656	-75	---	---	---	---	---	---	---	---
9	3,490	2,750	643	-54	---	---	---	---	---	---	---	---
10	4,620	3,390	647	-96	---	---	---	---	---	---	---	---
11	5,920	4,540	609	-160	---	---	---	---	---	---	---	---
12	6,740	5,730	556	-132	---	---	---	---	---	---	---	---
13	6,830	6,150	621	-187	---	---	---	---	---	---	---	---
14	6,510	5,680	588	-274	---	---	---	---	---	---	---	---
15	5,830	4,730	575	-309	---	---	---	---	---	---	---	---
16	4,830	3,750	544	-313	---	---	---	---	---	---	---	---
17	3,780	2,640	556	-291	---	---	---	---	---	---	---	---
18	2,740	1,770	529	-392	---	---	---	---	---	---	---	---
19	1,810	1,090	565	-331	---	---	---	---	---	---	---	---
20	1,180	765	582	-299	---	---	---	---	---	---	---	---
21	857	495	617	-181	---	---	---	---	---	---	---	---
22	654	325	1,000	466	---	---	---	---	---	---	---	---
23	695	266	1,320	1,000	---	---	---	---	---	---	---	---
24	681	276	1,390	1,180	---	---	---	---	---	---	---	---
25	969	492	1,440	1,240	---	---	---	---	---	---	---	---
26	1,270	888	1,390	1,110	---	---	---	---	---	---	---	---
27	1,380	1,130	1,330	1,010	---	---	---	---	---	---	---	---
28	1,450	1,210	1,180	916	---	---	---	---	---	---	---	---
29	1,450	1,190	1,080	857	---	---	---	---	---	---	---	---
30	1,420	1,160	1,010	801	---	---	---	---	---	---	---	---
31	1,310	1,030	---	---	---	---	---	---	---	---	---	---
MONTH	6,830	-436	1,440	-392	---	---	---	---	---	---	---	---



LUMBER RIVER BASIN

02109500 WACCAMAW RIVER AT FREELAND, NC

LOCATION.--Lat 34°05'42", long 78°32'54", Brunswick County, Hydrologic Unit 03040206, on left bank 150 ft downstream of New Britton bridge on State Highway 130, 1 mi southwest of Freeland, 7 mi downstream of Juniper Creek, and 117 mi upstream from mouth in Winyah Bay.

DRAINAGE AREA.--680 mi².

PERIOD OF RECORD.--July 1939 to current year.

REVISED RECORDS.--WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 15.52 ft above NGVD of 1929. Prior to July 15, 1943, nonrecording gage 150 ft upstream at same datum. Auxiliary nonrecording gage 3.3 mi downstream of base gage Oct. 7, 1949, to July 14, 1952. Since July 15, 1952, auxiliary water-stage recorder at same site and datum. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Minimum discharge for period of record also occurred Sept. 9, 19, 28, and Oct. 4-14, 1954.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e815	176	277	398	370	389	974	124	342	170	118	408
2	e830	165	277	389	369	417	1,010	113	392	172	141	379
3	e830	153	272	380	365	426	1,030	103	483	154	152	331
4	e820	145	271	378	375	433	1,050	94	609	141	157	278
5	e805	141	283	378	395	446	1,060	e88	784	156	152	232
6	766	137	308	379	408	473	1,040	e152	972	169	141	196
7	735	132	337	376	410	509	1,000	e390	1,130	168	141	166
8	703	127	359	374	405	538	970	e505	1,230	166	158	143
9	668	121	376	373	398	559	936	e555	1,250	163	167	125
10	635	113	386	370	395	567	905	e562	1,210	159	166	107
11	597	108	393	365	392	565	867	e527	1,140	164	162	93
12	558	106	396	356	386	553	828	e456	1,050	158	152	83
13	521	114	392	347	375	526	782	e376	944	167	141	80
14	483	127	380	346	368	483	735	307	831	210	131	127
15	453	133	366	398	363	447	682	292	735	234	127	382
16	434	135	350	449	357	416	623	261	632	247	129	538
17	418	132	336	484	351	435	578	241	528	269	132	611
18	403	128	319	493	341	475	534	263	424	275	138	660
19	390	123	304	484	327	491	491	324	345	277	149	692
20	375	118	287	459	312	495	450	350	284	264	153	692
21	357	111	273	440	300	482	409	341	234	245	155	721
22	338	105	262	422	292	464	371	367	194	223	154	732
23	316	109	254	411	286	458	333	413	160	198	163	701
24	296	135	247	401	284	479	295	439	131	169	223	661
25	279	160	244	389	300	503	260	459	111	147	269	619
26	268	170	255	382	316	515	223	458	111	130	281	572
27	248	171	301	378	322	525	196	446	113	117	269	528
28	229	200	342	372	343	594	174	416	105	105	265	489
29	212	246	373	366	---	744	155	376	114	101	297	449
30	199	267	391	365	---	835	138	341	140	97	356	409
31	187	---	399	366	---	920	---	326	---	96	400	---
TOTAL	15,168	4,308	10,010	12,268	9,905	16,162	19,099	10,465	16,728	5,511	5,739	12,204
MEAN	489	144	323	396	354	521	637	338	558	178	185	407
MAX	830	267	399	493	410	920	1,060	562	1,250	277	400	732
MIN	187	105	244	346	284	389	138	88	105	96	118	80
CFSM	0.72	0.21	0.47	0.58	0.52	0.77	0.94	0.50	0.82	0.26	0.27	0.60
IN.	0.83	0.24	0.55	0.67	0.54	0.88	1.04	0.57	0.92	0.30	0.31	0.67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2005, BY WATER YEAR (WY)

	516	349	482	1,006	1,345	1,412	961	373	310	495	650	841
MEAN	516	349	482	1,006	1,345	1,412	961	373	310	495	650	841
MAX	5,778	2,332	3,080	3,722	5,574	5,319	2,895	3,586	1,474	3,040	2,740	8,449
(WY)	(2000)	(1978)	(1949)	(1993)	(1998)	(1983)	(1973)	(1999)	(1969)	(1961)	(1981)	(1999)
MIN	1.14	0.54	3.53	20.6	44.6	219	108	16.2	5.51	2.27	7.59	0.31
(WY)	(1941)	(1955)	(1955)	(1955)	(1941)	(1955)	(2002)	(2002)	(1952)	(2002)	(1954)	(1954)

02109500 WACCAMAW RIVER AT FREELAND, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1939 - 2005	
ANNUAL TOTAL	248,941.4		137,567		726	
ANNUAL MEAN	680		377		86.2	
HIGHEST ANNUAL MEAN					1,572	1999
LOWEST ANNUAL MEAN					86.2	2002
HIGHEST DAILY MEAN	3,600	Aug 20	1,250	Jun 9	30,600	Sep 21, 1999
LOWEST DAILY MEAN	7.5	Jul 23	80	Sep 13	0.10	Aug 30, 1954
ANNUAL SEVEN-DAY MINIMUM	8.0	Jul 18	108	Sep 8	0.10	Oct 4, 1954
MAXIMUM PEAK FLOW			1,280	Jun 9	31,200	Sep 21, 1999
MAXIMUM PEAK STAGE			11.88	Jun 9	19.30	Sep 21, 1999
INSTANTANEOUS LOW FLOW			75	Sep 13	0.10*	Aug 30, 1954
ANNUAL RUNOFF (CFSM)	1.00		0.554		1.07	
ANNUAL RUNOFF (INCHES)	13.62		7.53		14.50	
10 PERCENT EXCEEDS	2,240		725		1,890	
50 PERCENT EXCEEDS	302		351		356	
90 PERCENT EXCEEDS	25		129		27	

* See REMARKS.

e Estimated

