

Water-Data Report 2007

02095181 NORTH BUFFALO CREEK AT WESTOVER TERRACE AT GREENSBORO, NC

Cape Fear Basin
Haw Subbasin

LOCATION.--Lat 36°04'45", long 79°48'46" referenced to North American Datum of 1983, Guilford County, NC, 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.

SURFACE-WATER 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 poor. Minimum discharge for period of record also occurred on August 11, 12, 2002.

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.5	e1.9	17	46	8.0	27	3.1	2.5	1.2	1.4	0.72	e0.13
2	1.4	e2.0	3.8	6.3	6.7	e223	3.1	2.4	1.4	0.67	0.50	e0.06
3	1.5	e2.0	3.1	4.1	3.9	9.0	2.7	2.4	60	0.66	0.38	e0.05
4	1.7	e2.0	3.4	3.8	3.8	5.6	2.7	10	74	0.51	0.34	e0.09
5	1.8	e2.1	3.2	47	3.7	4.5	2.4	7.2	20	1.3	0.36	e0.05
6	3.8	e2.0	3.1	21	3.8	4.0	2.6	6.9	7.2	12	0.40	e0.09
7	5.0	65	3.3	67	4.0	4.3	3.5	2.8	1.7	0.59	0.51	e0.05
8	26	16	3.8	74	3.8	4.2	2.7	3.0	1.6	0.34	0.25	e0.06
9	1.9	2.8	3.7	9.0	3.5	4.3	2.8	6.9	1.3	0.45	0.15	e0.06
10	1.5	1.9	3.3	5.7	3.6	4.4	3.0	3.1	1.2	3.7	0.19	e0.05
11	2.1	7.4	3.3	4.6	3.6	4.3	66	2.1	1.2	4.3	1.4	e0.06
12	10	60	3.5	4.3	3.7	4.1	52	2.2	1.4	1.6	0.21	e0.05
13	1.8	3.1	3.5	4.2	e56	4.1	3.3	2.3	4.0	0.29	0.12	e0.04
14	1.7	2.5	3.8	4.1	e78	4.2	17	2.0	2.1	0.10	0.15	57
15	1.9	2.3	3.9	4.0	7.2	4.3	326	1.9	2.5	0.27	0.12	5.2
16	2.3	212	3.6	3.8	4.8	134	34	2.0	1.4	0.65	0.15	0.30
17	77	6.4	3.5	3.5	4.1	11	7.9	3.3	1.2	7.8	1.9	0.04
18	9.3	3.3	3.6	8.6	4.3	4.6	5.4	2.3	1.0	6.7	0.39	e0.06
19	2.1	2.8	3.6	5.4	4.3	3.7	4.7	1.6	1.7	0.43	e0.05	e0.04
20	4.5	2.5	3.5	3.7	4.3	3.4	4.4	1.5	1.3	0.72	e0.05	e0.04
21	1.6	145	3.5	33	4.5	3.4	4.0	1.5	0.99	0.66	8.7	e0.05
22	6.2	213	43	22	4.7	3.1	4.0	1.6	0.44	0.54	2.4	e0.04
23	1.9	21	7.1	5.8	4.7	3.1	3.9	2.9	0.66	1.8	e0.08	2.2
24	1.8	6.6	3.2	4.5	4.4	3.0	3.9	1.4	8.2	0.73	e0.09	1.9
25	1.8	4.8	130	4.1	81	2.9	3.6	1.3	13	6.2	e0.07	0.03
26	2.0	4.4	11	3.9	9.1	2.9	3.8	1.2	0.89	22	e0.06	e0.04
27	28	3.8	5.1	3.8	4.6	3.1	20	1.2	12	1.5	e0.07	e0.03
28	20	3.5	3.8	4.0	3.8	3.0	3.1	1.1	1.8	42	e0.10	e0.04
29	2.0	3.5	3.4	3.9	---	12	2.6	1.1	21	3.3	e0.06	e0.03
30	1.9	5.3	3.3	4.0	---	3.1	2.4	1.1	1.1	3.7	6.1	e0.03
31	e2.0	---	3.4	4.1	---	2.8	---	1.2	---	1.1	0.29	---
Total	228.0	810.9	300.3	423.2	331.9	510.4	600.6	84.0	247.48	128.01	26.36	67.91
Mean	7.35	27.0	9.69	13.7	11.9	16.5	20.0	2.71	8.25	4.13	0.85	2.26
Max	77	213	130	74	81	223	326	10	74	42	8.7	57
Min	1.4	1.9	3.1	3.5	3.5	2.8	2.4	1.1	0.44	0.10	0.05	0.03
Cfsm	0.77	2.83	1.01	1.43	1.24	1.72	2.10	0.28	0.86	0.43	0.09	0.24
In.	0.89	3.16	1.17	1.65	1.29	1.99	2.34	0.33	0.96	0.50	0.10	0.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2007, BY WATER YEAR (WY)

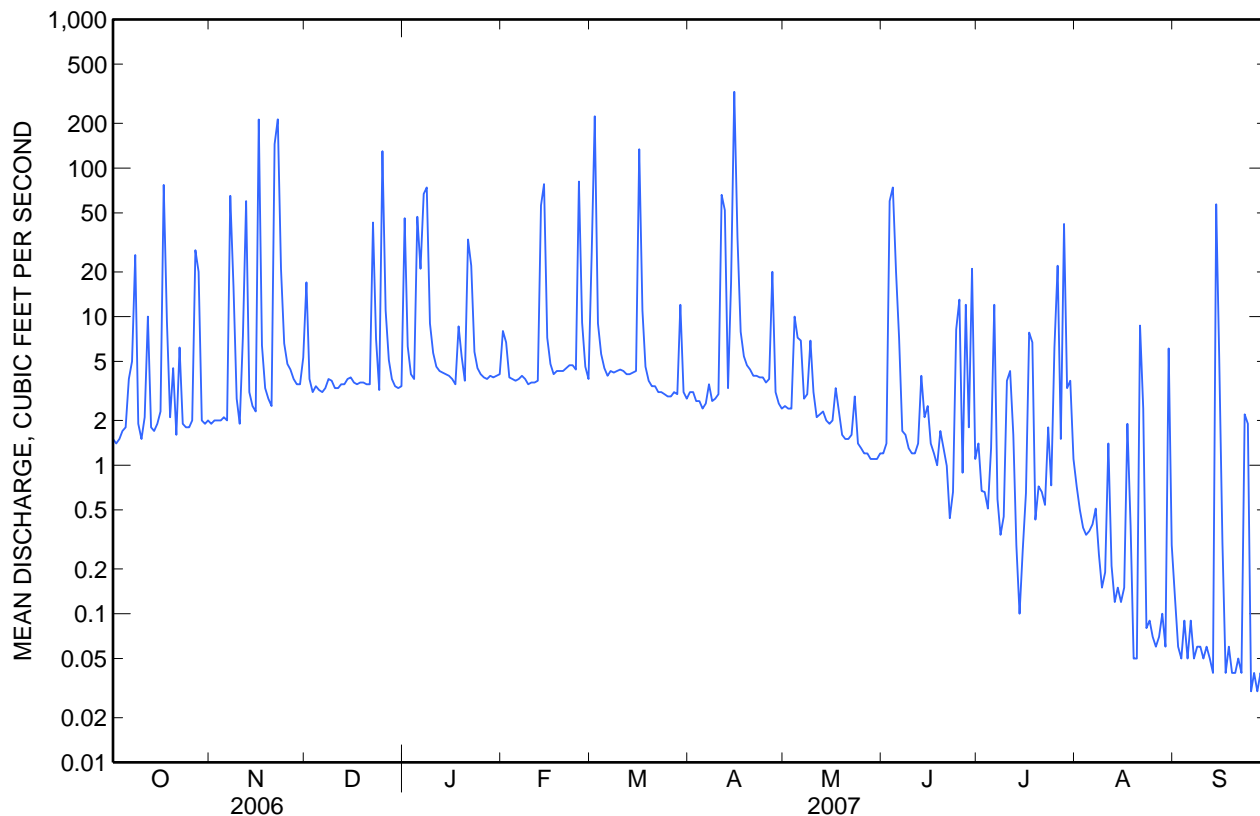
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	9.03	12.3	13.8	11.5	12.3	16.1	15.2	8.93	15.6	13.6	9.09	20.5
Max	33.2	27.0	28.3	17.7	22.8	37.2	41.1	29.6	30.7	25.6	17.8	46.4
(WY)	(2003)	(2007)	(2003)	(2002)	(2003)	(2003)	(2003)	(2003)	(2006)	(2001)	(2003)	(2000)
Min	2.67	2.09	5.02	4.09	5.36	5.04	3.06	2.71	3.49	4.13	0.85	1.76
(WY)	(2001)	(2002)	(2001)	(2004)	(2006)	(2006)	(2002)	(2007)	(2002)	(2007)	(2007)	(2005)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1999 - 2007	
Annual total	4,574.62		3,759.06			
Annual mean	12.5		10.3		13.2	
Highest annual mean					27.1	2003
Lowest annual mean					6.77	2002
Highest daily mean	276	Jul 23	326	Apr 15	500	Apr 10, 2003
Lowest daily mean	0.90	Aug 26	0.03	Sep 25	0.00	Aug 9, 2002
Annual seven-day minimum	1.2	Aug 20	0.05	Sep 7	0.01	Aug 8, 2002
Maximum peak flow			NOT DETERMINED		NOT DETERMINED	
Maximum peak stage			8.49	Feb 13	14.07	Sep 23, 2003
Instantaneous low flow			NOT DETERMINED		0.00	Aug 10, 2002
Annual runoff (cfsm)	1.31		1.08		1.38	
Annual runoff (inches)	17.82		14.64		18.72	
10 percent exceeds	28		20		28	
50 percent exceeds	3.2		3.2		3.5	
90 percent exceeds	1.5		0.13		1.3	

^a See Remarks.



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

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

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

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

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY SUM VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.07	0.58	0.17	0.56	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.03	0.84	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.40	0.00	0.00	0.00
5	0.00	0.00	0.00	0.61	0.00	0.00	0.00	0.12	0.20	0.31	0.00	0.00
6	0.01	0.00	0.00	0.01	0.00	0.00	0.04	0.01	0.01	0.01	0.00	0.00
7	0.06	0.79	0.00	0.46	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
8	0.17	0.10	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00
11	0.09	0.45	0.00	0.00	0.00	0.00	0.97	0.00	0.00	0.08	0.00	0.00
12	0.04	0.26	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.00
13	---	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.12	0.00	0.00	0.00
14	---	0.00	0.00	0.00	0.06	0.00	0.46	0.00	0.00	0.00	0.00	0.72
15	---	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.01
16	---	1.48	0.00	0.00	0.00	1.21	0.02	0.05	0.00	0.03	0.00	0.00
17	---	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.24	---	0.00
18	---	0.00	0.00	0.06	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.00
19	---	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	---	1.32	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	---	0.00
22	---	0.74	0.52	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	---	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.01	0.00	0.00
24	---	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.26	0.09	0.00	0.00
25	0.00	0.00	0.84	0.00	0.75	0.00	0.00	0.00	0.03	0.04	0.00	0.00
26	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.00	0.00
27	0.44	0.00	0.01	0.00	0.00	0.00	0.28	0.00	0.46	0.00	0.00	0.00
28	0.12	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.34	0.39	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.20	0.00	0.00	0.02	0.00	0.00	0.00
30	0.00	0.27	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	---	0.00
31	0.00	---	0.02	0.00	---	0.00	---	0.00	---	0.00	0.00	---
Total	---	5.41	1.47	2.29	2.32	2.83	2.57	0.46	2.98	1.83	---	0.73

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