

Water-Data Report 2008

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 National Geodetic Vertical Datum 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 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e0.04	1.2	e0.85	5.0	90	1.6	28	3.4	8.0	3.0	7.5	1.2
2	e0.05	1.1	e0.90	2.6	6.5	1.4	7.6	3.0	2.3	1.6	0.70	4.1
3	e0.04	e1.1	e0.95	1.6	3.1	1.4	39	2.9	1.7	1.2	1.0	4.5
4	e0.05	e1.1	e1.0	1.4	15	57	71	3.9	e1.6	6.3	0.63	2.9
5	e0.05	e1.1	e0.99	1.4	5.6	21	78	2.2	e1.5	27	1.6	0.82
6	e0.04	e0.90	e0.98	1.3	3.1	3.6	83	2.1	e1.4	17	1.2	79
7	e0.03	e1.0	0.95	1.3	2.5	28	12	2.0	e1.3	2.5	0.97	3.1
8	e0.03	e0.98	1.0	1.2	1.7	42	6.5	2.3	e1.2	17	0.42	1.8
9	e0.04	e0.95	1.0	1.3	e1.5	5.7	4.9	11	e1.3	16	0.36	1.6
10	e0.04	e0.92	1.1	6.8	e1.6	3.5	4.2	2.0	e1.0	4.4	3.9	3.3
11	e0.03	e0.90	0.98	6.1	e1.5	2.8	3.9	7.3	e0.80	1.7	0.60	11
12	e0.03	e0.88	0.83	1.8	e1.6	2.4	3.5	4.7	e1.0	1.2	0.37	3.2
13	e0.03	e0.87	0.78	1.4	33	2.0	3.1	1.9	e1.6	38	1.2	2.4
14	e0.04	e1.3	0.79	1.5	13	1.8	3.2	1.4	e1.4	6.9	1.3	2.0
15	e0.03	31	19	1.5	4.1	35	3.2	1.5	4.2	1.8	0.48	1.00
16	e0.03	2.0	27	1.3	2.7	6.9	2.4	10	1.6	1.2	0.46	110
17	e0.04	1.1	2.2	33	2.3	2.7	2.3	1.8	e0.75	1.1	0.44	5.8
18	0.60	1.0	1.0	5.6	4.0	2.2	2.3	11	e0.70	0.95	0.41	2.0
19	25	1.4	0.96	4.6	1.8	11	2.6	4.9	e0.80	0.89	0.42	1.5
20	2.9	1.4	1.0	3.8	1.5	16	36	1.6	e0.75	0.97	0.65	1.3
21	1.3	1.4	7.1	2.0	1.5	2.7	15	1.4	12	0.76	8.3	1.2
22	1.1	9.7	1.6	2.6	2.6	2.2	4.1	1.2	91	0.87	1.2	1.2
23	1.6	1.6	17	3.0	1.8	1.9	3.4	1.0	25	32	0.44	1.1
24	14	1.1	3.5	1.8	4.1	3.3	2.5	1.2	3.7	6.0	0.37	1.4
25	68	1.4	1.2	1.6	3.7	1.8	2.3	1.1	1.6	1.1	0.37	e2.0
26	206	2.9	24	1.6	25	1.7	2.2	0.99	1.2	0.76	27	e80
27	18	1.6	3.2	1.5	3.9	1.6	12	1.1	1.2	0.71	561	18
28	3.2	e1.0	26	1.5	1.9	1.5	109	6.2	1.6	0.64	18	5.2
29	1.7	e0.93	15	1.5	1.5	11	11	1.9	16	0.81	3.2	2.8
30	1.5	e0.87	94	4.7	---	3.7	4.5	0.98	130	0.62	2.5	2.9
31	1.3	---	18	1.7	---	27	---	73	---	5.9	1.5	---
Total	346.84	74.70	274.86	108.0	242.1	306.4	562.7	170.97	318.20	200.88	648.49	358.32
Mean	11.2	2.49	8.87	3.48	8.35	9.88	18.8	5.52	10.6	6.48	20.9	11.9
Max	206	31	94	33	90	57	109	73	130	38	561	110
Min	0.03	0.87	0.78	1.2	1.5	1.4	2.2	0.98	0.70	0.62	0.36	0.82
Cfs/m	1.17	0.26	0.93	0.36	0.87	1.03	1.96	0.58	1.11	0.68	2.19	1.25
In.	1.35	0.29	1.07	0.42	0.94	1.19	2.19	0.67	1.24	0.78	2.53	1.40

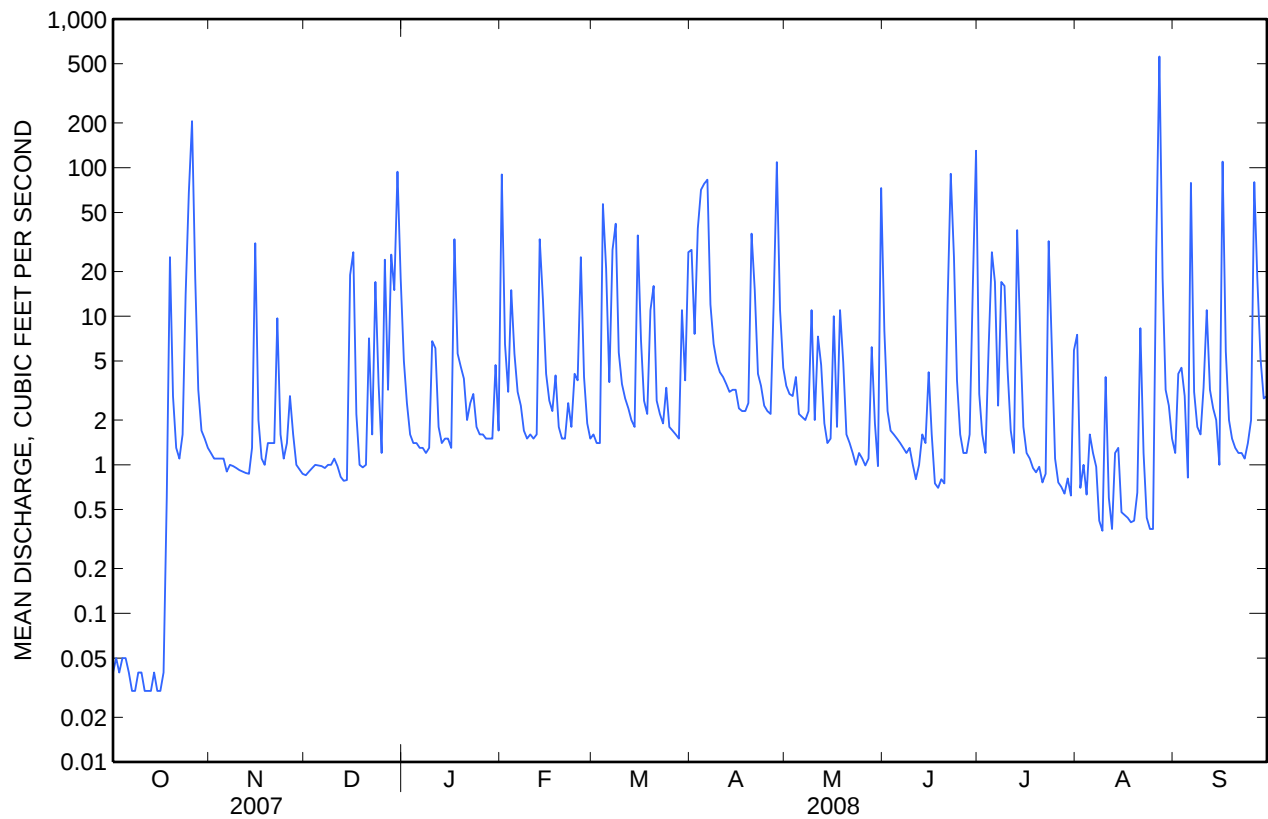
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	9.27	11.3	13.2	10.6	11.9	15.4	15.6	8.55	15.1	12.9	10.3	19.7
Max	33.2	27.0	28.3	17.7	22.8	37.2	41.1	29.6	30.7	25.6	20.9	46.4
(WY)	(2003)	(2007)	(2003)	(2002)	(2003)	(2003)	(2003)	(2003)	(2006)	(2001)	(2008)	(2000)
Min	2.67	2.09	5.02	3.48	5.36	5.04	3.06	2.71	3.49	4.13	0.85	1.76
(WY)	(2001)	(2002)	(2001)	(2008)	(2006)	(2006)	(2002)	(2007)	(2002)	(2007)	(2007)	(2005)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1999 - 2008	
Annual total	3,116.26		3,612.46			
Annual mean	8.54		9.87		12.8	
Highest annual mean					27.1	2003
Lowest annual mean					6.77	2002
Highest daily mean	326	Apr 15	561	Aug 27	561	Aug 27, 2008
Lowest daily mean	0.03	Sep 25	0.03	Oct 7	0.00	Aug 9, 2002
Annual seven-day minimum	0.03	Oct 7	0.03	Oct 7	0.01	Aug 8, 2002
Maximum peak flow			2,170	Aug 27		
Maximum peak stage			12.88	Aug 27	14.07	Sep 23, 2003
Instantaneous low flow			NOT DETERMINED		^a 0.00	Aug 10, 2002
Annual runoff (cfs)	0.894		1.03		1.34	
Annual runoff (inches)	12.14		14.07		18.20	
10 percent exceeds	17		22		27	
50 percent exceeds	2.2		1.8		3.4	
90 percent exceeds	0.06		0.71		1.1	

^aSee 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 2007 TO SEPTEMBER 2008
DAILY SUM VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	1.01	0.00	0.23	0.00	0.00	0.00	0.01	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.04	0.00	0.03	0.00	0.61	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.23	0.85	0.72	0.00	0.00	0.11	0.00	0.00
5	0.00	0.00	0.00	0.00	0.01	0.00	0.13	0.00	0.00	0.33	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.08	0.00	1.24
7	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.42	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.28	0.00	0.00
10	0.00	0.00	0.00	0.08	0.00	0.00	0.02	0.00	0.00	0.00	0.07	0.00
11	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.10
12	0.00	0.00	0.00	0.00	0.13	0.00	0.01	0.01	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.44	0.00	0.00	0.00	0.00	0.79	0.01	0.00
14	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.01	0.03	0.00	0.00
15	0.00	0.55	0.64	0.00	0.00	0.49	0.00	0.01	0.00	0.00	0.00	0.00
16	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.18	0.00	0.06	0.00	1.35
17	0.00	0.00	0.00	0.43	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.10	0.01	0.00	0.00	0.27	0.00	0.00	0.00	0.00
19	0.52	0.02	0.01	0.01	0.00	0.25	0.08	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.20	0.49	0.00	0.00	0.06	0.02	0.00
21	0.00	0.00	0.13	0.00	0.00	0.00	0.23	0.00	0.16	0.00	0.00	0.00
22	0.00	0.13	0.00	0.05	0.06	0.00	0.00	0.00	2.09	0.00	0.00	0.00
23	0.02	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.13	0.32	0.00	0.00
24	0.38	0.00	0.00	0.00	0.06	0.07	0.00	0.00	0.00	0.01	0.00	0.00
25	1.10	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---
26	3.60	0.04	0.39	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.58	---
27	0.01	0.00	0.00	0.00	0.00	0.00	0.23	0.02	0.00	0.00	4.29	0.10
28	0.00	0.00	0.40	0.00	0.00	0.00	0.93	0.09	0.00	0.00	0.10	0.01
29	0.00	0.00	0.11	0.00	0.00	0.16	0.01	0.00	1.15	0.00	0.00	0.00
30	0.00	0.00	1.06	0.08	---	0.04	0.00	0.00	0.93	0.00	0.00	0.02
31	0.00	---	0.22	0.00	---	0.76	---	1.13	---	0.23	0.00	---
Total	5.63	0.77	3.60	0.79	2.62	3.62	4.14	1.83	4.47	2.72	5.08	---

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