



Water-Data Report 2010

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 streamgage.

REMARKS.--Records fair except those for estimated daily discharges, which are 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 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.93	116	4.6	5.4	14	4.3	4.9	3.3	3.5	0.87	4.4	0.56
2	0.92	3.4	83	4.8	51	9.4	4.4	3.1	2.5	0.79	1.8	0.56
3	e0.62	1.7	20	4.7	52	8.8	4.1	4.5	3.5	0.77	1.5	0.54
4	e0.59	1.4	6.0	4.2	16	5.0	3.9	3.3	2.0	0.71	1.6	0.45
5	2.9	1.5	21	4.1	236	4.7	3.7	2.6	1.9	0.68	8.4	0.54
6	1.5	e0.86	6.3	3.9	49	4.2	3.7	2.9	3.8	0.68	3.7	0.57
7	e0.69	e0.81	4.7	3.9	13	4.0	3.6	2.8	3.0	0.68	1.3	0.62
8	e0.72	e0.93	13	4.6	8.8	3.9	37	2.7	1.6	0.67	1.0	1.0
9	e0.93	e0.92	111	4.0	13	3.9	21	2.3	1.6	4.4	1.0	1.0
10	13	27	9.4	3.5	11	4.1	3.6	2.0	1.6	2.8	0.85	0.51
11	1.5	289	5.6	3.5	7.0	6.1	3.2	2.9	1.5	0.87	100	1.5
12	11	449	4.7	3.6	6.4	16	3.3	2.9	2.0	3.2	87	0.99
13	3.0	30	34	3.6	9.7	71	3.1	2.6	50	176	2.4	0.43
14	3.4	7.7	8.7	3.5	6.3	21	3.2	2.1	5.7	69	1.8	0.39
15	11	5.3	5.9	3.6	11	5.9	3.1	7.6	31	2.6	2.2	0.36
16	1.9	4.7	4.7	3.7	6.7	4.8	3.0	45	55	2.1	1.4	1.4
17	1.3	3.8	4.3	135	5.5	4.5	3.0	73	5.1	106	1.1	0.27
18	e0.72	3.8	4.9	9.5	5.3	4.3	2.9	31	2.2	6.4	3.9	0.26
19	e0.68	5.5	26	5.9	5.0	4.1	2.9	5.9	1.7	2.7	5.0	0.26
20	e0.86	3.5	18	5.6	5.0	4.0	2.7	2.9	1.6	25	2.2	0.29
21	e0.75	3.3	11	31	4.9	4.5	5.0	2.4	1.4	3.9	1.2	0.29
22	e0.68	3.6	8.4	23	23	6.2	2.6	5.7	1.3	1.9	1.0	0.32
23	e0.62	90	7.3	6.9	5.8	4.2	2.8	33	1.3	1.6	1.2	e0.35
24	8.8	9.4	6.5	22	16	3.8	3.0	6.6	1.2	1.4	0.94	e0.34
25	2.0	5.3	205	388	7.2	3.8	21	4.0	1.4	1.3	1.3	e0.36
26	1.5	12	21	12	5.3	7.1	3.9	2.4	1.1	1.3	1.1	11
27	55	9.3	8.6	7.2	4.8	5.0	3.1	2.1	0.95	31	0.84	24
28	46	4.1	6.3	5.9	4.5	115	2.8	17	0.95	3.3	0.79	7.1
29	2.1	4.0	5.3	6.2	---	139	2.8	26	0.85	1.7	0.72	24
30	1.7	5.0	4.8	11	---	10	2.9	2.7	0.81	1.5	0.65	427
31	1.9	---	11	11	---	6.0	---	15	---	2.9	0.63	---
Total	179.21	1,102.82	691.0	744.8	603.2	498.6	170.2	322.3	192.06	458.72	242.92	507.26
Mean	5.78	36.8	22.3	24.0	21.5	16.1	5.67	10.4	6.40	14.8	7.84	16.9
Max	55	449	205	388	236	139	37	73	55	176	100	427
Min	0.59	0.81	4.3	3.5	4.5	3.8	2.6	2.0	0.81	0.67	0.63	0.26
Cfsm	0.61	3.85	2.33	2.52	2.26	1.68	0.59	1.09	0.67	1.55	0.82	1.77
In.	0.70	4.30	2.69	2.90	2.35	1.94	0.66	1.26	0.75	1.79	0.95	1.98

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2010, BY WATER YEAR (WY)

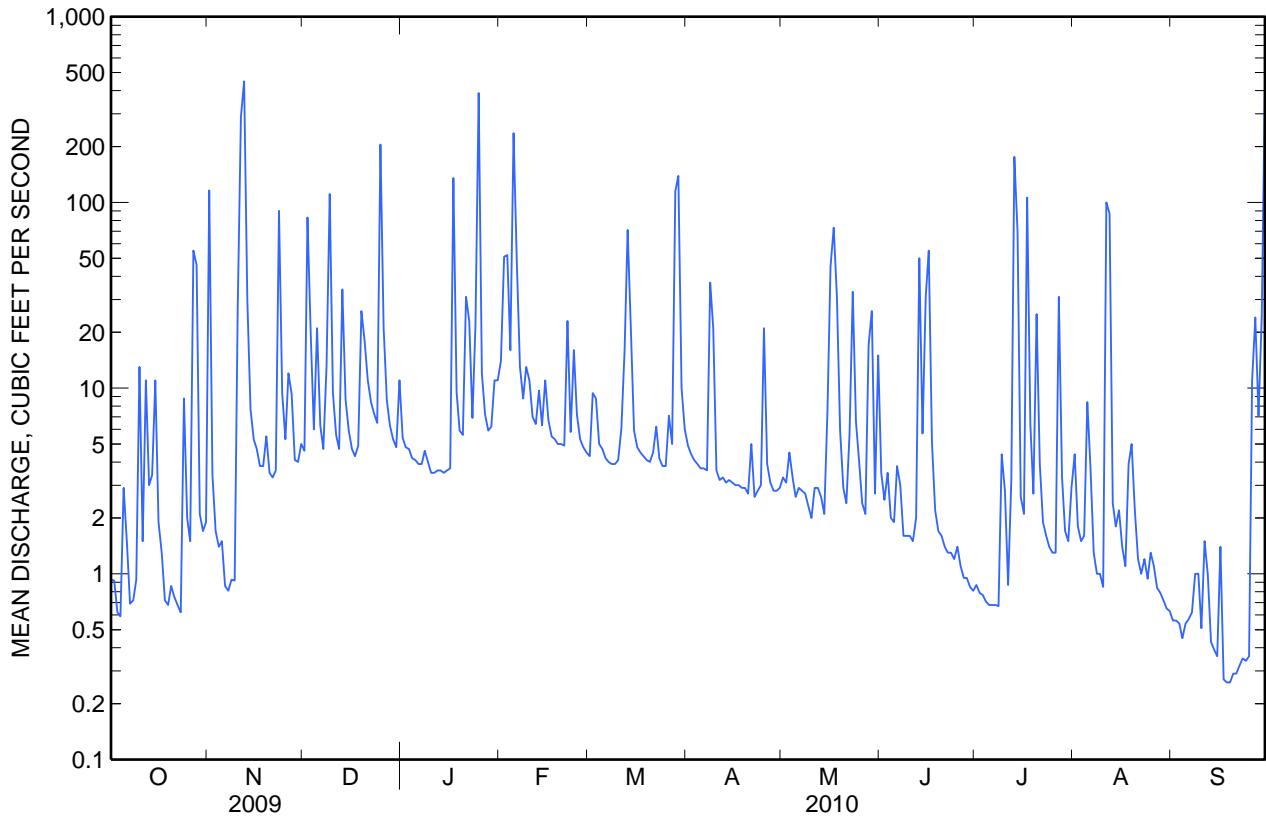
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	8.36	13.1	13.9	11.8	12.2	15.8	14.1	9.30	15.1	12.4	9.54	18.3
Max	33.2	36.8	28.3	24.0	22.8	37.2	41.1	29.6	30.7	25.6	20.9	46.4
(WY)	(2003)	(2010)	(2003)	(2010)	(2003)	(2003)	(2003)	(2003)	(2006)	(2001)	(2008)	(2000)
Min	2.67	2.09	5.02	3.48	5.36	5.04	3.06	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 2009		Water Year 2010		Water Years 1999 - 2010	
Annual total	4,988.32		5,713.09			
Annual mean	13.7		15.7		12.8	
Highest annual mean					27.1	2003
Lowest annual mean					6.77	2002
Highest daily mean	449	Nov 12	449	Nov 12	561	Aug 27, 2008
Lowest daily mean	0.25	Sep 10	0.26	Sep 18	0.00	Aug 9, 2002
Annual seven-day minimum	0.26	Sep 8	0.29	Sep 17	0.01	Aug 8, 2002
Maximum peak flow			1,970	Jan 25		
Maximum peak stage			12.18	Jan 25	14.07	Sep 23, 2003
Instantaneous low flow			0.22	Sep 18	^a 0.00	Aug 10, 2002
Annual runoff (cfsm)	1.43		1.64		1.34	
Annual runoff (inches)	19.43		22.25		18.20	
10 percent exceeds	27		28		26	
50 percent exceeds	3.4		3.8		3.4	
90 percent exceeds	0.99		0.74		1.1	

^a See Remarks.



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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.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY SUM VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	1.41	0.00	0.00	---	0.00	0.00	0.00	0.02	0.00	0.14	0.00
2	0.00	0.00	1.21	0.00	---	---	0.00	0.00	0.09	0.00	0.01	0.00
3	0.00	0.00	0.00	0.00	---	---	0.00	0.09	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.00
5	0.17	0.00	0.33	0.00	---	0.00	0.00	0.00	0.00	0.00	0.36	0.00
6	0.02	0.00	0.00	0.00	---	0.00	0.00	0.09	0.07	0.00	0.00	0.00
7	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.56	0.03	0.00	0.00	0.86	0.00	0.00	0.00	0.00	0.08
9	0.01	0.00	0.70	0.00	0.16	0.00	0.01	0.00	0.00	0.50	0.00	0.00
10	0.19	0.93	0.00	0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	3.10	0.00	0.00	0.00	0.11	0.00	0.05	0.00	0.00	3.06	0.11
12	0.40	3.06	0.00	0.00	---	0.56	0.00	0.00	0.00	0.16	0.05	0.02
13	0.00	0.19	0.55	0.00	---	0.72	0.00	0.00	1.83	4.36	0.00	0.00
14	0.14	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.10	0.07	0.07	0.00
15	0.28	0.00	0.00	0.00	0.16	0.00	0.00	1.06	0.52	0.00	0.05	0.00
16	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.10	0.97	0.00	0.00	0.00
17	0.01	0.00	0.00	1.50	0.00	0.00	0.00	1.63	0.00	1.57	0.03	0.00
18	0.00	0.03	---	0.00	0.00	0.00	0.00	0.33	0.00	0.01	0.11	0.00
19	0.00	0.11	---	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.14	0.00
20	0.00	0.00	0.00	0.07	0.00	0.00	0.02	0.03	0.00	0.66	0.01	0.00
21	0.00	0.00	0.00	0.57	0.00	0.09	0.18	0.01	0.00	0.00	0.00	0.00
22	0.00	0.22	0.00	0.04	0.38	0.04	0.00	0.20	0.00	0.00	0.01	0.00
23	0.00	1.05	0.00	0.01	0.01	0.03	0.00	0.54	0.00	0.00	0.00	0.00
24	0.29	0.01	0.01	0.71	0.27	0.00	0.15	0.19	0.04	0.00	0.00	0.00
25	0.00	0.00	1.59	1.26	0.00	0.01	0.33	0.00	0.00	0.00	0.04	0.00
26	0.00	0.24	0.01	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.59
27	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.90
28	0.12	0.00	0.00	0.00	0.00	1.82	0.00	0.99	0.00	0.00	0.00	0.01
29	0.00	0.00	0.00	---	---	0.52	0.00	0.07	0.00	0.01	0.00	1.09
30	0.00	0.09	0.06	---	---	0.00	0.00	0.00	0.00	0.00	0.00	3.86
31	0.04	---	0.15	---	---	0.00	---	0.62	---	0.18	0.00	---
Total	3.26	10.44	---	---	---	---	1.55	6.10	3.64	7.80	4.10	6.66

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