



Water-Data Report 2011

02097280 THIRD FORK CREEK AT WOODCROFT PARKWAY NEAR BLANDS, NC

Cape Fear Basin
Haw Subbasin

LOCATION.--Lat 35°55'21.5", long 78°57'08.7" referenced to North American Datum of 1983, Durham County, NC, Hydrologic Unit 03030002, on right bank at Woodcroft Parkway, approximately 2.3 mi north of Blands.

DRAINAGE AREA.--14.79 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 2008 to current year.

PRECIPITATION: July 2008 to current year, station number 355511078570745.

GAGE.--Datum of gage is 236.6 ft above North American Vertical Datum of 1988. Satellite telemetry at streamgage.

COOPERATION.--Gage is operated in cooperation with Stormwater Services Division, City of Durham.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Minimum discharge for the period of record also occurred September 6, 7, 14, 15, 16, 2009. Minimum discharge for the current water year occurred several days in June.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	19	0.49	18	2.2	1.1	58	13	1.9	2.8	1.6	9.2	0.69
2	4.4	0.38	4.7	20	6.8	8.1	7.9	1.1	1.8	0.92	1.9	0.17
3	1.8	0.37	1.0	12	2.9	4.3	5.6	0.75	1.5	0.71	0.65	0.09
4	0.84	24	0.56	3.0	7.7	2.8	5.1	67	0.91	50	0.23	0.05
5	0.87	15	5.1	1.6	173	2.3	13	11	0.54	99	0.14	0.04
6	0.73	3.7	2.0	2.1	29	5.8	6.9	5.5	0.40	12	28	42
7	0.26	2.7	e0.70	2.1	11	13	4.8	17	0.26	87	7.9	300
8	0.20	1.3	e0.46	0.84	7.5	3.7	3.8	6.9	0.26	162	2.9	7.9
9	0.25	0.88	e0.37	0.53	5.3	2.5	14	4.2	0.30	190	0.94	2.6
10	0.20	0.60	e0.31	0.34	4.5	33	68	2.1	0.25	10	0.59	1.3
11	0.16	0.58	e0.35	0.89	3.6	26	11	4.9	2.4	6.0	0.19	0.58
12	0.11	0.49	7.0	3.9	3.4	8.0	7.3	5.7	6.1	3.6	0.09	0.28
13	0.08	0.54	12	1.6	3.0	4.3	5.5	12	5.1	2.3	7.1	0.18
14	45	0.76	1.5	0.70	2.8	3.0	4.7	52	1.0	1.6	6.3	0.18
15	11	0.71	0.55	0.51	2.6	1.8	4.4	32	0.45	1.4	4.6	0.19
16	2.8	0.92	18	0.53	2.2	12	12	6.0	0.20	0.78	1.7	1.4
17	1.3	8.8	30	0.44	2.3	4.1	18	3.3	0.12	0.67	0.53	0.70
18	0.71	6.1	6.5	2.2	2.5	2.0	5.1	6.9	0.09	0.46	0.23	1.2
19	0.51	e1.9	2.7	1.7	2.8	1.8	4.2	2.1	0.07	0.49	0.14	0.32
20	0.39	e1.0	1.2	1.3	2.5	1.5	4.2	1.4	0.08	0.81	0.12	0.26
21	0.48	e0.58	0.73	0.78	e2.1	1.7	4.1	0.90	0.04	0.57	0.08	19
22	0.52	e0.50	0.52	0.95	e2.5	2.1	7.6	0.78	0.03	0.59	4.6	120
23	0.33	e0.40	0.42	1.0	e2.0	2.5	14	2.4	0.02	0.48	0.77	73
24	0.35	e0.37	0.87	0.80	e1.8	38	4.9	1.7	0.02	0.24	0.16	26
25	0.63	e0.41	1.1	0.99	e1.9	7.6	3.7	0.83	0.03	0.46	0.06	7.5
26	21	e2.8	5.8	31	e4.1	3.9	3.2	0.49	0.03	1.0	0.05	3.5
27	6.3	e1.7	9.1	15	e1.8	25	2.7	266	0.24	0.18	5.7	2.1
28	13	e0.78	3.5	3.9	e6.2	9.2	2.5	219	9.7	0.11	8.3	13
29	3.1	e0.70	1.9	1.9	---	5.7	3.3	13	58	0.06	4.6	3.8
30	0.99	e0.61	1.5	1.2	---	135	1.9	5.3	5.0	0.03	9.0	3.2
31	0.62	---	1.3	1.0	---	37	---	3.0	---	20	3.4	---
Mean	4.45	2.67	4.51	3.77	10.7	15.0	8.88	24.4	3.26	21.1	3.55	21.0
Max	45	24	30	31	173	135	68	266	58	190	28	300
Min	0.08	0.37	0.31	0.34	1.1	1.5	1.9	0.49	0.02	0.03	0.05	0.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2008 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	3.46	22.0	29.0	15.7	19.9	27.4	7.49	18.8	6.03	8.28	5.97	25.3
Max	4.45	49.2	65.4	32.2	44.8	49.9	9.18	26.3	11.2	21.1	15.8	58.0
(WY)	(2011)	(2010)	(2010)	(2010)	(2010)	(2009)	(2009)	(2010)	(2009)	(2011)	(2008)	(2008)
Min	2.27	2.67	4.51	3.77	4.21	15.0	4.41	5.83	3.26	1.45	1.43	8.46
(WY)	(2009)	(2011)	(2011)	(2011)	(2009)	(2011)	(2010)	(2009)	(2011)	(2010)	(2009)	(2009)

02097280 THIRD FORK CREEK AT WOODCROFT PARKWAY NEAR BLANDS, NC—Continued**SUMMARY STATISTICS**

	Calendar Year 2010		Water Year 2011		Water Years 2008 - 2011	
Annual mean		13.0		10.3		14.6
Highest annual mean					22.0	2010
Lowest annual mean					10.3	2011
Highest daily mean	404	Feb 6	300	Sep 7	1,130	Sep 6, 2008
Lowest daily mean	0.00	Jul 6	0.02	Jun 23	0.00	Sep 5, 2009
Annual seven-day minimum	0.00	Aug 30	0.04	Jun 20	0.00	Aug 30, 2010
Maximum peak flow			1,050	May 27	2,670	Sep 6, 2008
Maximum peak stage			8.51	May 27	10.23	Sep 6, 2008
Instantaneous low flow			^a 0.01	Jun 21	^a 0.00	Sep 5, 2009
10 percent exceeds	21		18		25	
50 percent exceeds	1.8		2.1		2.8	
90 percent exceeds	0.00		0.22		0.07	

^a See Remarks.

