



Water-Data Report 2010

**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 mi<sup>2</sup>.

**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.

## 02097280 THIRD FORK CREEK AT WOODCROFT PARKWAY NEAR BLANDS, NC—Continued

**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	1.8	70	14	12	21	3.3	9.2	0.28	28	0.05	2.5	0.00
2	1.2	19	119	8.9	39	3.0	7.3	0.29	13	0.02	0.88	0.00
3	0.90	3.6	571	6.2	138	20	6.1	0.39	6.4	0.02	0.02	0.00
4	0.87	1.8	30	5.8	51	10	5.5	0.30	3.8	0.01	0.01	0.00
5	0.81	1.8	60	4.4	255	4.9	5.7	0.51	2.4	0.01	26	0.00
6	0.98	1.7	29	3.5	404	3.7	5.1	0.08	1.7	0.00	19	0.00
7	1.3	e1.7	16	1.9	35	2.4	5.2	0.04	5.1	0.00	1.9	0.00
8	1.1	e1.6	12	4.4	21	3.4	4.3	0.09	1.7	0.00	0.23	0.00
9	0.85	e1.6	323	2.5	33	3.5	10	0.12	1.2	0.61	0.04	0.00
10	0.87	e3.1	45	1.3	43	3.6	6.1	0.05	0.92	0.23	0.02	0.00
11	0.86	483	18	1.2	17	6.7	4.3	0.01	0.96	0.01	0.01	0.00
12	1.0	300	11	1.6	14	28	e3.9	0.01	0.65	0.01	0.06	0.00
13	4.7	181	51	1.4	18	124	3.2	0.01	11	1.9	0.07	0.00
14	3.5	24	34	1.3	15	36	2.9	0.01	5.2	9.5	0.01	0.00
15	7.1	12	18	1.3	13	19	2.9	0.01	1.1	1.1	0.00	0.00
16	6.3	6.7	13	1.4	14	11	2.5	4.5	2.0	0.05	0.00	0.00
17	3.5	6.5	9.3	205	8.0	9.0	1.9	67	18	0.01	0.00	0.00
18	2.6	7.6	9.1	88	6.0	8.5	e1.7	279	1.6	3.0	0.00	0.00
19	2.1	29	219	21	5.2	7.6	e1.5	32	0.52	8.0	1.00	0.00
20	1.5	23	42	13	4.7	6.3	1.4	12	0.28	0.38	2.2	0.00
21	1.4	8.5	21	27	4.8	5.4	4.4	4.1	0.17	0.09	0.07	0.00
22	1.4	5.3	15	119	31	e5.2	13	15	0.10	0.04	0.01	0.00
23	1.1	180	9.4	22	20	5.1	2.6	88	0.09	0.01	18	0.00
24	2.4	43	6.2	14	12	5.0	1.7	152	2.8	0.00	19	0.00
25	14	17	121	326	15	e4.9	12	20	0.31	0.00	3.3	0.00
26	4.3	10	130	36	7.5	9.1	5.1	7.9	0.12	0.14	0.73	0.00
27	3.4	15	25	19	5.5	7.1	1.4	4.2	0.17	6.9	0.06	62
28	30	6.7	17	12	4.1	4.4	0.63	2.8	0.23	8.1	0.01	16
29	5.8	5.8	13	7.8	---	135	0.41	107	0.08	0.52	0.01	23
30	3.0	6.2	9.2	14	---	26	0.30	12	0.06	4.0	0.00	314
31	3.2	---	17	14	---	13	---	5.2	---	0.33	0.00	---
<b>Mean</b>	3.67	49.2	65.4	32.2	44.8	17.2	4.41	26.3	3.66	1.45	3.07	13.8
<b>Max</b>	30	483	571	326	404	135	13	279	28	9.5	26	314
<b>Min</b>	0.81	1.6	6.2	1.2	4.1	2.4	0.30	0.01	0.06	0.00	0.00	0.00

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2008 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	2.97	31.7	41.3	21.6	24.5	33.6	6.79	16.1	7.42	1.86	6.77	26.7
<b>Max</b>	3.67	49.2	65.4	32.2	44.8	49.9	9.18	26.3	11.2	2.27	15.8	58.0
<b>(WY)</b>	(2010)	(2010)	(2010)	(2010)	(2010)	(2009)	(2009)	(2010)	(2009)	(2009)	(2008)	(2008)
<b>Min</b>	2.27	14.2	17.1	11.1	4.21	17.2	4.41	5.83	3.66	1.45	1.43	8.46
<b>(WY)</b>	(2009)	(2009)	(2009)	(2009)	(2009)	(2010)	(2010)	(2009)	(2010)	(2010)	(2009)	(2009)

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SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 2008 - 2010	
<b>Annual mean</b>	18.6		22.0		16.7	
<b>Highest annual mean</b>					22.0	2010
<b>Lowest annual mean</b>					11.5	2009
<b>Highest daily mean</b>	571	Dec 3	571	Dec 3	1,130	Sep 6, 2008
<b>Lowest daily mean</b>	0.00	Sep 5	0.00	Jul 6	0.00	Sep 5, 2009
<b>Annual seven-day minimum</b>	0.02	Sep 11	0.00	Aug 30	0.00	Aug 30, 2010
<b>Maximum peak flow</b>			1,590	Dec 3	2,670	Sep 6, 2008
<b>Maximum peak stage</b>			9.24	Dec 3	10.23	Sep 6, 2008
<b>Instantaneous low flow</b>			<sup>a</sup> 0.00	Jul 5	<sup>a</sup> 0.00	Sep 5, 2009
<b>10 percent exceeds</b>	29		36		28	
<b>50 percent exceeds</b>	3.2		4.0		3.2	
<b>90 percent exceeds</b>	0.13		0.00		0.02	

<sup>a</sup> See Remarks.

