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Water-Data Report 2009

**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 September 2009.

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 current water year also occurred September 6, 7, 14, 15, 16. Rainfall data associated with this site is available, station number 355511078570745.

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

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**  
**DAILY MEAN VALUES**  
[*e*, estimated]

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	17	0.76	33	2.8	1.3	258	6.1	2.7	3.2	0.82	0.03	0.01
<b>2</b>	6.9	0.94	9.6	2.3	0.80	249	9.1	5.1	2.8	1.1	0.03	0.12
<b>3</b>	4.6	1.1	5.3	2.8	11	29	107	3.5	2.4	0.07	1.9	0.05
<b>4</b>	3.5	20	4.0	20	4.3	15	17	3.2	1.9	0.02	0.84	0.01
<b>5</b>	2.4	26	3.5	12	1.4	10	8.5	20	121	0.13	1.6	0.00
<b>6</b>	2.0	5.0	3.0	142	0.79	7.7	11	11	27	11	9.9	0.00
<b>7</b>	1.9	2.4	5.0	61	0.66	6.5	8.9	8.8	4.8	3.0	2.6	0.00
<b>8</b>	1.5	1.9	3.9	23	0.62	5.5	4.7	4.4	3.0	0.77	0.63	2.9
<b>9</b>	0.80	2.4	2.9	7.4	0.50	4.5	4.0	3.6	2.3	0.20	0.27	1.9
<b>10</b>	0.60	2.5	2.6	4.2	0.82	4.0	3.6	7.9	124	0.11	0.12	0.30
<b>11</b>	0.54	2.8	101	4.0	1.7	3.9	14	4.9	8.3	0.06	0.05	0.07
<b>12</b>	0.46	2.0	94	3.2	2.1	3.5	4.9	5.8	4.6	0.07	0.02	0.03
<b>13</b>	0.36	2.2	14	1.9	2.1	16	3.4	3.5	3.1	11	0.01	0.01
<b>14</b>	0.30	18	6.8	1.5	1.5	123	4.0	2.2	2.2	4.5	3.5	0.00
<b>15</b>	0.32	157	4.5	1.1	1.6	236	12	2.3	1.7	1.1	1.5	0.00
<b>16</b>	0.36	14	e3.6	0.67	1.4	100	4.2	3.2	7.8	0.38	1.3	0.00
<b>17</b>	0.48	6.9	e4.8	0.33	1.3	79	3.4	3.6	4.2	0.32	0.97	0.03
<b>18</b>	11	4.6	4.1	0.43	29	19	3.2	5.7	3.8	14	0.43	1.9
<b>19</b>	3.6	3.5	3.7	0.72	12	12	3.5	5.3	2.6	2.5	0.75	1.2
<b>20</b>	1.2	2.8	3.8	2.3	4.2	50	12	3.8	1.6	4.8	0.17	0.31
<b>21</b>	0.57	2.3	100	3.5	2.7	12	6.3	2.9	0.96	8.4	0.05	0.14
<b>22</b>	0.44	1.8	20	1.2	2.2	7.6	3.5	2.1	0.56	2.2	8.3	25
<b>23</b>	1.1	1.7	7.7	1.1	2.0	5.8	2.8	2.0	0.37	1.6	6.3	112
<b>24</b>	0.64	1.6	5.2	1.2	1.6	4.6	3.0	2.1	0.33	0.99	1.8	11
<b>25</b>	0.78	12	43	0.67	2.3	4.2	3.2	4.1	0.27	0.42	0.75	3.3
<b>26</b>	0.72	6.0	12	0.35	2.3	6.2	2.9	9.9	0.20	0.23	0.28	3.0
<b>27</b>	1.6	3.5	6.8	0.29	2.6	34	2.6	8.9	0.17	0.17	0.09	70
<b>28</b>	1.8	2.4	5.2	10	23	84	2.1	8.6	0.13	0.13	0.02	8.2
<b>29</b>	1.1	2.1	8.1	24	---	132	2.0	19	0.13	0.10	0.01	9.3
<b>30</b>	0.94	116	6.0	4.5	---	15	2.4	6.3	0.08	0.07	0.02	2.9
<b>31</b>	0.82	---	4.0	2.2	---	9.7	---	4.4	---	0.05	0.03	---
<b>Mean</b>	2.27	14.2	17.1	11.1	4.21	49.9	9.18	5.83	11.2	2.27	1.43	8.46
<b>Max</b>	17	157	101	142	29	258	107	20	124	14	9.9	112
<b>Min</b>	0.30	0.76	2.6	0.29	0.50	3.5	2.0	2.0	0.08	0.02	0.01	0.00

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2008 - 2009, BY WATER YEAR (WY)**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	2.27	14.2	17.1	11.1	4.21	49.9	9.18	5.83	11.2	2.27	8.62	33.2
<b>Max</b>	2.27	14.2	17.1	11.1	4.21	49.9	9.18	5.83	11.2	2.27	15.8	58.0
(WY)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2008)	(2008)
<b>Min</b>	2.27	14.2	17.1	11.1	4.21	49.9	9.18	5.83	11.2	2.27	1.43	8.46
(WY)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)

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

	Water Year 2009		Water Years 2008 - 2009	
<b>Annual mean</b>	11.5		11.5	
<b>Highest annual mean</b>	11.5		2009	
<b>Lowest annual mean</b>	11.5		2009	
<b>Highest daily mean</b>	258	Mar 1	1,130	Sep 6, 2008
<b>Lowest daily mean</b>	0.00	Sep 5	0.00	Sep 5, 2009
<b>Annual seven-day minimum</b>	0.02	Sep 11	0.02	Sep 11, 2009
<b>Maximum peak flow</b>	859	Mar 1	2,670	Sep 6, 2008
<b>Maximum peak stage</b>	8.17	Mar 1	10.23	Sep 6, 2008
<b>Instantaneous low flow</b>	<sup>a</sup> 0.00	Sep 5	0.00	Sep 5, 2009
<b>10 percent exceeds</b>	19		19	
<b>50 percent exceeds</b>	2.8		2.8	
<b>90 percent exceeds</b>	0.13		0.13	

<sup>a</sup> See Remarks.

