

Water-Data Report 2010

**02124692 GOOSE CREEK AT FAIRVIEW, NC**

Upper Pee Dee Basin  
Rocky Subbasin

LOCATION.--Lat 35°09'13", long 80°32'07" referenced to North American Datum of 1983, Union County, NC, Hydrologic Unit 03040105, on right bank at downstream side of culvert on U.S. Highway 601, 2.0 mi above Duck Creek and 1.0 mi north of Fairview.

DRAINAGE AREA.--24.0 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--November 1999 to current year.

REVISED RECORDS.--WSP 822: Drainage area. WSP 852: 1935-37(m). WDR NC-03-1B: 2000(M), 2001(M).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 472.67 ft above North American Vertical Datum of 1988, from levels. Satellite telemetry at streamgage.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Maximum peak stage for period of record from crest-stage gage. Minimum discharge for current water year and period of record affected by regulation of unknown origin. No flow also occurred August 12-16, 2002, August 22-27, September 6-15, 2007, October 2, 3, 6-25, 2007, September 6-12, 15-19, 2009. Minimum discharge for current water year also occurred October 4.

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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	0.18	26	3.9	22	35	11	10	3.5	391	36	5.0	2.3
2	0.10	6.9	126	16	111	11	9.1	3.8	194	7.2	1.3	2.1
3	0.09	2.2	218	12	115	32	8.3	3.8	105	3.0	6.7	1.8
4	0.05	1.1	27	11	49	22	7.9	4.6	20	1.9	11	1.7
5	0.13	0.61	16	10	1,120	14	7.2	3.6	11	1.3	87	1.5
6	1.3	0.57	12	9.2	275	12	6.0	2.8	7.5	0.99	141	1.3
7	0.56	0.69	8.9	9.1	58	10	5.3	2.9	7.6	1.0	8.3	0.85
8	0.28	0.97	9.9	8.8	33	9.2	5.0	2.6	5.6	0.58	2.2	0.78
9	0.37	1.2	385	7.8	25	8.6	5.2	2.9	4.0	0.42	0.91	1.3
10	0.38	9.8	50	7.3	23	8.4	5.2	2.7	3.5	0.24	0.50	1.1
11	0.37	538	20	6.3	18	9.6	4.4	2.9	12	0.14	0.29	0.95
12	0.86	158	13	5.8	15	26	4.2	3.5	4.9	544	0.25	1.6
13	1.3	34	18	5.5	17	237	4.2	3.2	5.3	268	0.21	2.9
14	1.5	14	21	5.3	22	41	4.7	3.1	33	23	2.6	1.3
15	1.0	8.2	16	5.3	25	24	4.1	2.2	7.3	7.0	93	0.94
16	1.4	5.9	12	5.2	30	16	3.8	2.5	5.9	3.5	33	0.62
17	1.1	4.7	9.6	363	18	13	3.9	10	3.8	4.7	8.2	0.61
18	0.93	4.2	56	78	15	e12	3.5	14	3.0	3.1	5.5	0.46
19	0.66	4.5	219	29	13	e11	3.2	5.4	2.6	1.9	6.9	0.51
20	0.71	4.4	39	19	12	10	3.2	3.8	2.5	1.5	16	0.80
21	0.76	3.7	21	109	11	10	3.3	5.9	3.2	1.4	6.0	0.64
22	0.86	3.7	16	143	56	16	3.5	8.9	2.1	1.8	4.3	0.71
23	0.68	74	13	40	39	13	3.2	5.5	1.8	1.1	3.7	0.67
24	0.91	22	11	37	29	9.8	3.0	3.7	1.3	0.63	3.1	0.35
25	0.99	11	905	993	28	8.7	4.7	5.1	1.6	0.33	3.1	0.56
26	1.8	7.7	134	64	19	8.9	6.9	4.0	1.0	0.32	3.1	1.5
27	2.7	6.4	40	30	15	8.7	3.9	2.9	0.58	20	3.0	8.8
28	30	5.4	24	21	13	8.2	5.2	3.0	0.96	130	2.7	6.7
29	4.5	4.6	17	17	---	33	4.9	9.6	0.93	5.2	3.1	7.5
30	2.8	3.7	14	19	---	20	3.4	5.0	130	1.4	2.4	38
31	0.65	---	31	19	---	12	---	121	---	0.78	2.2	---
<b>Total</b>	59.92	968.14	2,506.3	2,127.6	2,239	686.1	150.4	258.4	972.97	1,072.43	466.56	90.85
<b>Mean</b>	1.93	32.3	80.8	68.6	80.0	22.1	5.01	8.34	32.4	34.6	15.1	3.03
<b>Max</b>	30	538	905	993	1,120	237	10	121	391	544	141	38
<b>Min</b>	0.05	0.57	3.9	5.2	11	8.2	3.0	2.2	0.58	0.14	0.21	0.35
<b>Cfsm</b>	0.08	1.34	3.37	2.86	3.33	0.92	0.21	0.35	1.35	1.44	0.63	0.13
<b>In.</b>	0.09	1.50	3.88	3.30	3.47	1.06	0.23	0.40	1.51	1.66	0.72	0.14

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2010, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	5.56	18.4	25.7	22.6	30.7	41.2	22.9	9.51	17.3	12.4	8.57	11.0
<b>Max</b>	12.4	105	80.8	68.6	80.0	111	133	59.2	55.4	57.8	31.0	87.7
<b>(WY)</b>	(2007)	(2007)	(2010)	(2010)	(2010)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
<b>Min</b>	0.70	0.91	2.99	3.74	7.02	6.38	4.64	1.72	0.75	1.49	0.31	0.07
<b>(WY)</b>	(2001)	(2002)	(2001)	(2004)	(2001)	(2006)	(2006)	(2007)	(2002)	(2001)	(2007)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 2000 - 2010	
<b>Annual total</b>	8,764.04		11,598.67			
<b>Annual mean</b>	24.0		31.8		19.4	
<b>Highest annual mean</b>					52.4	2003
<b>Lowest annual mean</b>					6.25	2001
<b>Highest daily mean</b>	1,130	Mar 1	1,120	Feb 5	2,000	Nov 22, 2006
<b>Lowest daily mean</b>	0.00	Sep 5	0.05	Oct 4	<sup>a</sup> 0.00	Aug 12, 2002
<b>Annual seven-day minimum</b>	0.00	Sep 5	0.34	Oct 1	0.00	Sep 8, 2007
<b>Maximum peak flow</b>			2,520	Jul 12	3,090	Sep 28, 2004
<b>Maximum peak stage</b>			9.59	Jul 12	<sup>a</sup> 10.40	Sep 28, 2004
<b>Instantaneous low flow</b>			<sup>a</sup> 0.04	Oct 3	<sup>a</sup> 0.00	Aug 11, 2002
<b>Annual runoff (cfsm)</b>	1.00		1.32		0.807	
<b>Annual runoff (inches)</b>	13.58		17.98		10.96	
<b>10 percent exceeds</b>	38		44		30	
<b>50 percent exceeds</b>	4.5		5.5		3.7	
<b>90 percent exceeds</b>	0.16		0.70		0.47	

<sup>a</sup> See Remarks.

