



Water-Data Report 2011

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 mi².

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.--No estimated daily discharges. Records good. 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 several days in 2002, 2007, and 2009. Minimum discharge for current water year also occurred September 20, 21.

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.1	2.1	25	2.2	2.1	47	28	2.7	1.5	1.2	118	1.6
2	1.7	2.0	5.5	6.5	28	9.8	16	2.2	0.99	0.65	5.8	0.97
3	1.4	1.9	1.2	4.5	8.2	5.2	10	2.5	0.69	0.63	2.3	2.1
4	1.3	2.8	1.2	2.6	52	3.4	8.2	12	0.65	0.49	1.6	2.0
5	1.5	5.8	1.5	2.2	138	3.9	40	7.0	0.68	0.34	80	1.9
6	1.3	2.4	1.6	2.2	27	60	19	3.3	0.79	0.21	30	3.8
7	1.3	1.5	1.7	2.6	12	40	10	2.6	0.89	0.77	6.8	1.1
8	1.3	1.8	1.7	2.2	8.3	13	8.0	2.4	0.66	0.91	4.1	0.87
9	1.3	2.0	1.6	1.8	5.6	13	6.7	2.0	0.35	0.85	12	0.60
10	1.5	1.9	1.6	2.0	4.9	140	23	2.1	9.5	1.4	3.9	0.50
11	1.5	2.0	1.6	2.7	4.3	37	12	11	6.9	0.94	2.1	0.47
12	1.4	1.9	2.0	3.6	3.8	17	8.2	6.3	67	0.53	2.2	0.47
13	0.95	1.9	4.5	3.3	3.4	12	6.1	3.8	7.4	0.38	1.4	0.51
14	1.0	2.1	2.4	4.8	3.3	9.8	5.1	3.0	3.3	1.2	1.3	0.42
15	1.0	1.3	1.7	2.7	2.7	8.0	4.5	3.8	2.0	1.5	3.0	0.29
16	1.0	1.7	1.8	2.7	2.6	8.6	4.5	3.6	1.5	0.73	2.4	0.27
17	1.1	2.0	2.1	3.3	2.7	7.5	9.6	3.4	1.4	0.41	1.1	0.24
18	1.3	1.5	2.0	4.0	2.6	6.2	5.0	5.7	1.4	0.57	0.83	0.18
19	1.6	1.9	2.1	4.3	2.6	5.5	3.8	3.4	1.1	0.56	0.79	0.16
20	1.8	1.8	2.3	3.5	2.7	4.8	3.5	2.7	1.2	0.48	0.79	0.16
21	2.6	2.0	1.9	2.5	2.2	5.0	3.3	2.4	1.2	0.28	0.80	0.24
22	2.0	2.2	1.7	2.3	2.5	4.7	3.4	2.1	2.8	0.21	14	2.0
23	2.1	2.4	1.2	2.0	2.3	4.8	5.3	1.9	2.6	0.16	3.3	54
24	1.9	2.2	1.2	2.5	2.1	7.7	4.1	1.8	1.2	0.19	1.8	22
25	2.1	2.8	1.6	1.8	2.6	4.2	3.3	1.2	1.1	5.4	1.7	24
26	5.2	1.3	2.3	2.8	2.4	5.1	2.9	0.87	1.5	4.4	1.6	6.5
27	3.8	1.7	4.2	4.4	2.3	90	2.7	0.74	0.93	6.9	1.6	3.7
28	2.4	1.9	2.9	3.0	5.4	35	2.8	20	0.83	1.3	1.6	17
29	1.7	1.9	2.2	2.4	---	25	2.8	4.8	11	0.46	1.7	4.4
30	1.8	1.7	2.1	2.2	---	154	2.2	2.3	3.5	0.32	1.6	1.5
31	1.8	---	1.8	2.1	---	58	---	1.6	---	51	1.7	---
Total	58.75	62.4	88.2	91.7	338.6	845.2	264.0	125.21	136.56	85.37	311.81	153.95
Mean	1.90	2.08	2.85	2.96	12.1	27.3	8.80	4.04	4.55	2.75	10.1	5.13
Max	6.1	5.8	25	6.5	138	154	40	20	67	51	118	54
Min	0.95	1.3	1.2	1.8	2.1	3.4	2.2	0.74	0.35	0.16	0.79	0.16
Cfsm	0.08	0.09	0.12	0.12	0.50	1.14	0.37	0.17	0.19	0.11	0.42	0.21
In.	0.09	0.10	0.14	0.14	0.52	1.31	0.41	0.19	0.21	0.13	0.48	0.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	5.23	17.0	23.8	21.0	29.2	40.0	21.7	9.05	16.2	11.6	8.69	10.5
Max	12.4	105	80.8	68.6	80.0	111	133	59.2	55.4	57.8	31.0	87.7
(WY)	(2007)	(2007)	(2010)	(2010)	(2010)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
Min	0.70	0.91	2.85	2.96	7.02	6.38	4.64	1.72	0.75	1.49	0.31	0.07
(WY)	(2001)	(2002)	(2011)	(2011)	(2001)	(2006)	(2006)	(2007)	(2002)	(2001)	(2007)	(2007)

02124692 GOOSE CREEK AT FAIRVIEW, NC—Continued**SUMMARY STATISTICS**

	Calendar Year 2010		Water Year 2011		Water Years 2000 - 2011	
Annual total	8,273.66		2,561.75			
Annual mean	22.7		7.02		18.2	
Highest annual mean					52.4	2003
Lowest annual mean					6.25	2001
Highest daily mean	1,120	Feb 5	154	Mar 30	2,000	Nov 22, 2006
Lowest daily mean	0.14	Jul 11	0.16	Jul 23	^a 0.00	Aug 12, 2002
Annual seven-day minimum	0.59	Sep 18	0.22	Sep 15	0.00	Sep 8, 2007
Maximum peak flow			759	Aug 1	3,090	Sep 28, 2004
Maximum peak stage				6.01 Aug 1	^a 10.40	Sep 28, 2004
Instantaneous low flow				^a 0.12 Jul 23	^a 0.00	Aug 11, 2002
Annual runoff (cfsm)	0.944		0.292		0.760	
Annual runoff (inches)	12.82		3.97		10.33	
10 percent exceeds	32		12		29	
50 percent exceeds	3.6		2.2		3.5	
90 percent exceeds	1.0		0.74		0.49	

^a See Remarks.

