

## 02124692 GOOSE CREEK AT FAIRVIEW, NC

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

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

## WATER-DISCHARGE 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. Elevation of gage is 472.67 ft above North American Vertical Datum of 1988, from levels. Satellite telemetry at station.

REMARKS.--Records good except those for estimated discharges, which are poor. Maximum peak stage for current water year and period of record from crest-stage gage. Minimum discharge for current water year affected by regulation of unknown origin. No flow also occurred Aug. 12, 13, 14, 15, 16, 2002. Minimum discharge for current water year also occurred Sept. 12, 23, 24.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	4.5	9.7	5.4	7.7	54	68	9.0	3.0	2.7	8.1	1.8
2	12	3.9	8.2	5.4	6.3	23	37	5.7	e1,400	3.3	4.4	1.3
3	30	3.4	6.9	5.2	80	16	23	4.2	71	2.9	3.0	1.2
4	23	13	6.3	5.1	44	12	17	4.5	23	3.0	2.6	0.84
5	10	14	5.9	5.1	17	11	14	3.9	13	2.7	2.1	0.97
6	9.3	4.8	6.9	5.2	12	9.0	12	4.0	9.0	2.8	2.0	0.82
7	9.5	3.9	17	5.1	9.9	8.3	11	3.9	9.2	58	2.0	0.98
8	7.3	3.3	11	5.2	8.8	67	11	3.7	9.3	31	1.9	0.96
9	4.2	3.2	13	5.6	8.4	28	10	3.4	9.0	5.8	2.1	0.56
10	4.1	3.2	155	5.3	7.8	18	8.5	2.9	9.4	3.7	2.4	0.34
11	3.8	3.3	39	4.8	6.4	15	7.5	5.7	12	3.2	1.9	0.27
12	3.6	5.0	18	4.7	5.7	10	11	5.4	5.4	3.2	1.6	0.31
13	27	9.0	13	4.7	5.7	8.7	134	10	4.2	2.8	2.0	0.75
14	9.7	4.5	13	291	11	8.6	182	5.1	4.1	4.3	2.2	0.72
15	5.6	3.6	12	38	21	7.8	38	3.3	3.7	2.8	7.4	0.91
16	4.2	3.5	12	18	11	93	19	3.2	4.4	2.3	2.8	0.77
17	3.5	3.4	9.5	11	8.7	150	14	3.0	3.0	2.2	1.8	1.2
18	3.6	3.5	7.4	8.4	7.3	38	12	2.9	2.8	2.1	13	1.3
19	3.7	3.5	6.9	7.2	6.3	21	11	2.8	2.8	1.9	6.6	2.1
20	3.7	3.5	6.2	7.4	8.0	15	9.2	26	2.7	3.2	2.5	3.6
21	3.7	3.7	6.0	7.0	31	12	7.8	7.6	2.4	4.0	1.9	3.2
22	3.4	4.0	6.0	6.3	32	11	6.7	4.0	2.1	5.7	1.7	1.4
23	3.5	14	8.8	5.9	14	44	7.2	3.1	2.0	2.7	1.5	0.36
24	3.7	13	9.4	4.8	48	23	6.4	2.8	2.0	1.8	1.7	0.30
25	4.0	13	6.7	5.0	26	14	5.7	2.5	1.9	1.1	1.8	0.39
26	3.8	7.1	6.2	5.1	14	11	5.2	2.4	1.9	1.4	1.6	0.48
27	3.6	5.7	5.7	4.5	12	11	5.2	2.4	3.8	1.3	1.8	0.76
28	4.1	50	5.5	3.9	354	e500	4.8	2.3	26	19	2.0	0.60
29	3.9	15	5.6	e3.9	---	60	4.6	2.3	10	56	1.7	0.64
30	4.1	9.7	5.8	e12	---	26	4.7	2.5	3.6	57	2.5	0.67
31	4.5	---	5.3	13	---	89	---	3.8	---	25	2.5	---
TOTAL	232.1	235.2	447.9	519.2	824.0	1,414.4	707.5	148.3	1,656.7	318.9	93.1	30.50
MEAN	7.49	7.84	14.4	16.7	29.4	45.6	23.6	4.78	55.2	10.3	3.00	1.02
MAX	30	50	155	291	354	500	182	26	1,400	58	13	3.6
MIN	3.4	3.2	5.3	3.9	5.7	7.8	4.6	2.3	1.9	1.1	1.5	0.27
CFSM	0.31	0.33	0.60	0.70	1.23	1.90	0.98	0.20	2.30	0.43	0.13	0.04
IN.	0.36	0.36	0.69	0.80	1.28	2.19	1.10	0.23	2.57	0.49	0.14	0.05

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2005, BY WATER YEAR (WY)

MEAN	5.42	8.99	16.1	16.5	32.4	41.5	31.5	12.6	22.2	12.7	8.91	18.1
MAX	12.3	33.6	59.1	33.1	60.4	111	133	59.2	55.4	57.8	31.0	87.7
(WY)	(2003)	(2003)	(2003)	(2000)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	0.70	0.91	2.99	3.74	7.02	15.7	5.82	2.09	0.75	1.49	0.54	1.02
(WY)	(2001)	(2002)	(2001)	(2004)	(2001)	(2000)	(2001)	(2004)	(2002)	(2001)	(2001)	(2005)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2000 - 2005	
ANNUAL TOTAL	6,192.56		6,627.80		20.0	
ANNUAL MEAN	16.9		18.2		52.4	
HIGHEST ANNUAL MEAN					6.25	
LOWEST ANNUAL MEAN					2001	
HIGHEST DAILY MEAN	1,180	Sep 28	1,400	Jun 2	1,510	Mar 20, 2003
LOWEST DAILY MEAN	0.22	Jun 8	0.27	Sep 11	0.00	Aug 12, 2002
ANNUAL SEVEN-DAY MINIMUM	0.48	Jun 2	0.50	Sep 23	0.01	Aug 10, 2002
MAXIMUM PEAK FLOW			2,820	Jun 2	3,090	Sep 28, 2004
MAXIMUM PEAK STAGE			10.03*	Jun 2	10.40*	Sep 28, 2004
INSTANTANEOUS LOW FLOW			0.20*	Sep 11	0.00*	Aug 11, 2002
ANNUAL RUNOFF (CFSM)	0.705		0.757		0.835	
ANNUAL RUNOFF (INCHES)	9.60		10.27		11.35	
10 PERCENT EXCEEDS	18		26		33	
50 PERCENT EXCEEDS	4.3		5.4		3.7	
90 PERCENT EXCEEDS	1.2		1.8		0.55	

\* See REMARKS.

e Estimated.

