

02124692 GOOSE CREEK NEAR 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 mi².

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 460 ft above NGVD of 1929 (revised), from topographic map. 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. Maximum peak flow for current water year and period of record from rating curve extended above 2,620 ft³/s. Minimum discharge for current water year affected by regulation of unknown origin. No flow also occurred Aug. 12, 13, 14, 15, 16, 2002.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	3.1	2.9	3.2	3.6	212	18	2.8	1.1	7.3	1.7	1.7
2	1.8	2.9	2.5	3.2	3.6	153	11	4.4	1.1	5.4	1.6	1.3
3	2.0	2.7	2.4	3.2	24	49	7.7	4.8	0.47	2.3	2.1	1.0
4	2.2	2.7	2.9	3.3	13	26	7.0	3.1	0.32	2.0	1.7	0.93
5	3.3	2.8	5.7	3.4	8.6	18	5.9	2.5	0.30	2.5	1.0	0.94
6	2.4	2.8	6.0	4.2	224	15	5.1	2.4	0.56	6.8	7.4	0.92
7	2.4	3.0	5.1	3.4	260	13	4.9	2.3	0.42	3.0	2.2	e150
8	3.0	2.9	3.1	3.1	27	10	4.7	2.1	0.22	1.5	1.2	e980
9	5.8	3.0	2.6	3.6	17	9.2	4.7	2.1	2.7	1.2	0.86	45
10	3.4	3.0	9.8	4.2	14	8.7	4.3	2.0	4.0	2.0	0.80	16
11	14	2.7	26	3.6	12	8.8	4.3	1.9	1.4	3.9	0.43	11
12	5.6	2.7	6.0	3.5	65	8.6	4.9	2.0	1.0	7.6	1.4	8.9
13	3.5	2.4	4.2	3.5	35	6.5	18	4.2	1.9	2.8	29	6.3
14	3.1	2.2	39	3.3	30	5.9	16	2.4	6.2	1.5	e180	3.4
15	3.1	2.3	16	3.3	53	6.3	8.0	2.1	3.6	1.2	29	6.1
16	3.1	2.7	7.3	3.2	36	8.5	6.0	1.9	6.0	0.95	10	8.3
17	2.8	3.1	7.5	3.1	19	8.2	5.5	2.0	5.4	1.1	4.5	75
18	2.8	3.4	8.5	4.0	15	6.5	5.2	2.0	2.2	20	2.7	33
19	2.9	7.5	5.6	4.8	12	7.0	6.8	1.8	1.6	3.8	2.3	8.8
20	3.0	7.9	4.7	3.6	10	6.1	6.8	1.7	1.3	1.8	1.9	5.0
21	2.9	5.3	4.0	3.3	8.6	8.9	4.0	1.7	1.4	1.2	1.5	4.0
22	2.7	6.7	4.0	4.3	7.5	6.7	3.6	1.2	3.1	1.0	1.5	3.7
23	2.6	5.0	3.9	5.1	6.8	5.6	3.4	1.1	4.4	0.78	1.3	3.2
24	2.7	2.9	4.3	4.1	6.7	5.6	3.1	1.3	42	0.68	1.2	2.7
25	2.8	2.8	4.4	3.8	6.3	5.4	2.9	1.5	23	0.63	1.1	2.3
26	2.9	2.8	3.6	4.0	6.8	5.2	2.9	1.3	15	0.54	0.98	2.2
27	4.3	2.9	3.5	3.5	14	5.1	3.4	1.5	6.2	1.8	0.93	5.8
28	3.1	4.2	3.4	4.1	29	5.1	3.0	1.4	3.3	8.7	1.0	e1,180
29	19	4.1	3.4	4.6	93	4.7	2.7	1.2	2.7	8.4	1.6	47
30	6.0	3.3	3.4	4.4	---	5.0	2.7	1.1	4.3	6.3	8.8	18
31	3.7	---	3.1	4.1	---	11	---	0.90	---	2.2	2.8	---
TOTAL	124.6	105.8	208.8	116.0	1,060.5	654.6	186.5	64.70	147.19	110.88	304.50	2,632.49
MEAN	4.02	3.53	6.74	3.74	36.6	21.1	6.22	2.09	4.91	3.58	9.82	87.7
MAX	19	7.9	39	5.1	260	212	18	4.8	42	20	180	1,180
MIN	1.7	2.2	2.4	3.1	3.6	4.7	2.7	0.90	0.22	0.54	0.43	0.92
CFSM	0.17	0.15	0.28	0.16	1.52	0.88	0.26	0.09	0.20	0.15	0.41	3.66
IN.	0.19	0.16	0.32	0.18	1.64	1.01	0.29	0.10	0.23	0.17	0.47	4.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

MEAN	4.90	9.22	16.5	16.4	33.0	40.7	33.0	14.2	15.6	13.2	10.1	21.5
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	3.36
(WY)	(2001)	(2002)	(2001)	(2004)	(2001)	(2000)	(2001)	(2004)	(2002)	(2001)	(2001)	(2003)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2000 - 2004	
ANNUAL TOTAL	16,341.3		5,716.56		20.5	
ANNUAL MEAN	44.8		15.6		52.4	
HIGHEST ANNUAL MEAN					6.25	
LOWEST ANNUAL MEAN					2001	
HIGHEST DAILY MEAN	1,510	Mar 20	1,180	Sep 28	1,510	Mar 20, 2003
LOWEST DAILY MEAN	1.7	Oct 1	0.22	Jun 8	0.00	Aug 12, 2002
ANNUAL SEVEN-DAY MINIMUM	2.2	Sep 30	0.48	Jun 2	0.01	Aug 10, 2002
MAXIMUM PEAK FLOW			3,090*	Sep 28	3,090*	Sep 28, 2004
MAXIMUM PEAK STAGE			10.40*	Sep 28	10.40*	Sep 28, 4007
INSTANTANEOUS LOW FLOW			0.15*	Jun 8	0.00*	Aug 11, 2002
ANNUAL RUNOFF (CFSM)	1.87		0.651		0.855	
ANNUAL RUNOFF (INCHES)	25.33		8.86		11.61	
10 PERCENT EXCEEDS	85		17		34	
50 PERCENT EXCEEDS	8.9		3.5		3.3	
90 PERCENT EXCEEDS	2.8		1.2		0.47	

* See REMARKS.

e Estimated.

