

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).

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.--No estimated daily discharge. Records good. No flow also occurred Aug. 12, 13, 14, 15, 16, 2002.

REVISIONS.--Maximum discharge for water years 2000, 2001 to 1,360 ft³/s, June 5, 2000, gage height 8.64 ft, 875 ft³/s, Mar. 29, 2001, gage height 6.95 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.50	4.6	4.8	22	34	52	25	8.6	30	4.5	14	4.4
2	0.61	2.9	2.5	18	20	113	17	7.7	9.5	419	22	3.8
3	0.54	2.4	2.7	18	14	43	13	8.1	13	37	10	3.4
4	0.46	2.0	4.8	13	16	27	11	8.2	30	15	30	3.2
5	0.38	5.1	164	9.8	14	32	11	7.4	14	9.2	22	4.0
6	0.35	112	68	7.2	12	430	11	544	8.0	7.2	28	3.4
7	0.40	21	33	5.9	146	73	253	154	514	6.0	12	3.3
8	0.34	7.7	19	6.3	40	38	89	36	128	5.5	8.5	4.1
9	0.36	4.5	13	6.3	23	28	859	20	45	4.8	6.7	3.7
10	0.40	3.8	11	5.6	43	21	1,430	13	21	4.7	6.7	3.3
11	80	34	89	4.7	30	16	358	9.8	14	141	8.9	3.1
12	16	201	39	6.7	17	14	69	8.5	11	83	8.1	2.8
13	16	74	414	8.0	12	16	38	6.4	9.0	257	9.8	2.8
14	20	26	94	5.6	11	21	27	5.4	9.2	41	89	2.8
15	10	14	36	4.7	15	15	21	8.0	9.7	19	477	2.8
16	80	102	23	4.6	54	387	17	29	13	11	44	2.8
17	18	237	16	4.8	62	63	13	9.8	83	104	37	2.5
18	4.8	55	13	4.4	65	53	209	11	236	14	18	2.2
19	2.4	26	11	4.0	52	37	176	17	329	65	10	2.4
20	1.7	16	43	4.1	34	1,510	59	11	51	288	8.2	2.4
21	4.0	13	23	4.5	26	107	39	7.3	21	27	7.6	2.3
22	14	9.6	12	5.2	429	49	34	321	14	36	17	2.5
23	6.1	5.4	9.2	5.1	103	31	20	172	11	35	22	13
24	3.0	5.0	247	4.9	36	22	14	47	7.9	19	8.1	3.6
25	2.1	4.5	271	4.4	25	16	16	176	6.1	9.7	6.3	2.6
26	2.0	4.3	53	5.3	22	13	65	89	5.6	7.6	5.5	2.3
27	1.7	3.8	32	5.2	230	11	48	34	5.1	6.9	4.7	2.4
28	6.3	3.4	29	4.3	105	9.0	20	22	5.0	6.0	4.1	4.0
29	46	2.9	24	4.6	---	7.9	13	15	5.5	7.7	4.1	2.9
30	34	3.7	19	146	---	135	10	9.4	4.4	35	3.8	1.9
31	10	---	13	82	---	51	---	19	---	66	7.8	---
TOTAL	382.44	1,006.6	1,833.0	435.2	1,690	3,440.9	3,985	1,834.6	1,663.0	1,791.8	960.9	100.7
MEAN	12.3	33.6	59.1	14.0	60.4	111	133	59.2	55.4	57.8	31.0	3.36
MAX	80	237	414	146	429	1,510	1,430	544	514	419	477	13
MIN	0.34	2.0	2.5	4.0	11	7.9	10	5.4	4.4	4.5	3.8	1.9
CFSM	0.51	1.40	2.46	0.58	2.51	4.62	5.53	2.47	2.31	2.41	1.29	0.14
IN.	0.59	1.56	2.84	0.67	2.62	5.33	6.18	2.84	2.58	2.78	1.49	0.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2003, BY WATER YEAR (WY)

MEAN	5.19	10.6	18.9	19.6	32.1	45.6	39.7	17.2	18.3	15.6	10.2	4.89
MAX	12.3	33.6	59.1	33.1	60.4	111	133	59.2	55.4	57.8	31.0	6.73
(WY)	(2003)	(2003)	(2003)	(2000)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2000)
MIN	0.70	0.91	2.99	4.55	7.02	15.7	5.82	2.59	0.75	1.49	0.54	3.36
(WY)	(2001)	(2002)	(2001)	(2001)	(2001)	(2000)	(2001)	(2002)	(2002)	(2001)	(2001)	(2003)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2000 - 2003	
ANNUAL TOTAL	5,862.30		19,124.14			
ANNUAL MEAN	16.1		52.4		22.2	
HIGHEST ANNUAL MEAN					52.4	2003
LOWEST ANNUAL MEAN					6.25	2001
HIGHEST DAILY MEAN	414	Dec 13	1,510	Mar 20	1,510	Mar 20, 2003
LOWEST DAILY MEAN	0.00	Aug 12	0.34	Oct 8	0.00	Aug 12, 2002
ANNUAL SEVEN-DAY MINIMUM	0.01	Aug 10	0.38	Oct 4	0.01	Aug 10, 2002
MAXIMUM PEAK FLOW			2,950	Mar 20	2,950	Mar 20, 2003
MAXIMUM PEAK STAGE			10.17	Mar 20	10.17	Mar 20, 2003
INSTANTANEOUS LOW FLOW			0.25	Oct 8	0.00*	Aug 11, 2002
ANNUAL RUNOFF (CFSM)	0.67		2.18		0.92	
ANNUAL RUNOFF (INCHES)	9.09		29.64		12.54	
10 PERCENT EXCEEDS	36		109		39	
50 PERCENT EXCEEDS	2.6		13		3.0	
90 PERCENT EXCEEDS	0.21		2.9		0.38	

* See REMARKS.

