

0212467595 GOOSE CREEK NEAR INDIAN TRAIL, NC

LOCATION.--Lat 35°07'30", long 80°36'10", Union County, Hydrologic Unit 03040105, on left upstream wingwall on Secondary Road 1525, 4.9 mi northwest of Indian Trail.

DRAINAGE AREA.--11.0 mi².

PERIOD OF RECORD.--October 2003 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 549.82 ft above North American Vertical Datum of 1988, from levels. Satellite telemetry at site.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Minimum discharge for current water year and period of record affected by regulation of unknown origin. Minimum discharge for period of record also occurred July 11, 2004.

REVISIONS.--The maximum discharge for the water year 2004 has been revised to 2,830 ft³/s, Sept. 28, 2004, gage height, 9.64 ft.

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	5.4	2.8	3.3	3.6	3.3	21	22	6.2	5.3	3.8	5.1	1.5
2	5.7	2.7	2.9	3.6	3.0	10	16	3.7	484	4.0	3.6	1.3
3	12	2.8	2.8	3.6	32	7.1	11	3.4	23	3.6	3.1	1.0
4	6.3	11	2.7	3.6	12	5.8	8.4	3.6	12	3.7	2.9	1.1
5	3.9	4.6	2.6	3.7	5.7	5.2	7.2	3.2	7.8	3.5	2.8	0.94
6	6.6	2.6	4.3	3.8	4.5	4.7	6.3	3.5	6.3	3.4	2.8	1.1
7	6.0	2.5	5.2	3.7	4.1	4.6	6.5	3.2	8.0	38	2.6	0.96
8	3.5	2.4	3.1	3.7	4.0	40	6.4	3.1	7.2	e8.3	2.7	0.99
9	2.8	2.3	3.7	3.8	3.8	16	6.0	2.7	6.5	e4.0	2.7	0.96
10	2.8	2.3	31	3.8	3.6	12	4.8	3.3	9.7	e3.5	2.7	0.89
11	2.8	2.4	12	3.8	3.2	9.5	4.6	4.9	9.0	e3.1	2.4	0.97
12	2.7	4.8	5.6	3.8	3.2	5.2	14	7.2	4.2	e3.0	2.4	0.97
13	25	3.8	4.9	3.7	3.1	4.7	67	9.5	4.0	e4.3	2.4	0.92
14	3.8	2.5	8.0	100	11	4.6	86	3.4	4.0	3.7	6.5	0.91
15	3.2	2.4	7.3	10	7.7	4.2	18	3.1	4.7	2.9	3.9	0.97
16	3.0	2.4	7.0	5.6	4.7	46	11	2.9	3.6	2.8	2.9	0.95
17	2.9	2.4	4.0	4.4	4.1	49	8.5	2.6	3.4	2.7	2.3	1.0
18	2.9	2.4	3.7	3.7	3.6	15	7.4	2.5	3.2	2.5	16	1.3
19	3.0	2.4	3.6	3.4	3.4	9.5	6.4	2.5	3.1	2.3	3.4	2.4
20	3.0	2.5	3.5	3.5	7.6	7.3	5.8	26	3.0	3.8	2.0	2.7
21	2.9	2.5	3.5	3.2	20	6.1	4.7	4.7	2.8	5.8	1.8	2.1
22	2.9	2.5	3.5	3.0	13	6.9	4.4	3.3	2.8	4.1	1.6	1.1
23	2.9	7.2	5.1	2.9	5.1	29	4.5	3.0	2.7	2.7	1.6	1.2
24	3.1	4.1	4.1	2.7	27	11	4.1	2.6	2.6	2.1	1.9	1.1
25	3.1	4.6	3.7	2.7	10	7.2	3.9	2.4	2.6	2.0	1.6	1.2
26	2.9	2.7	3.6	2.7	6.0	6.2	3.8	2.3	3.2	1.9	1.5	1.3
27	2.9	2.8	3.6	2.6	5.2	6.1	3.8	2.3	3.9	1.8	2.3	1.4
28	3.0	22	3.5	2.4	129	178	3.3	2.2	21	47	1.6	1.3
29	3.0	3.6	3.5	2.7	---	21	3.3	2.2	5.4	29	2.3	1.2
30	2.9	3.0	3.6	7.5	---	12	4.2	3.4	4.1	37	2.1	1.3
31	2.9	---	3.6	4.5	---	41	---	2.8	---	16	2.1	---
TOTAL	139.8	119.0	162.5	215.7	342.9	605.9	363.3	131.7	663.1	256.3	95.6	37.03
MEAN	4.51	3.97	5.24	6.96	12.2	19.5	12.1	4.25	22.1	8.27	3.08	1.23
MAX	25	22	31	100	129	178	86	26	484	47	16	2.7
MIN	2.7	2.3	2.6	2.4	3.0	4.2	3.3	2.2	2.6	1.8	1.5	0.89
CFSM	0.41	0.36	0.48	0.63	1.11	1.78	1.10	0.39	2.01	0.75	0.28	0.11
IN.	0.47	0.40	0.55	0.73	1.16	2.05	1.23	0.45	2.24	0.87	0.32	0.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

MEAN	3.96	3.52	4.95	5.27	11.2	14.2	8.54	3.24	13.5	5.71	5.03	22.0
MAX	4.51	3.97	5.24	6.96	12.2	19.5	12.1	4.25	22.1	8.27	6.97	42.7
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)
MIN	3.41	3.08	4.66	3.59	10.2	8.82	4.97	2.24	4.86	3.16	3.08	1.23
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)

0212467595 GOOSE CREEK NEAR INDIAN TRAIL, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2004 - 2005	
ANNUAL TOTAL	3,062.93		3,132.83		8.37	
ANNUAL MEAN	8.37		8.58		8.58	
HIGHEST ANNUAL MEAN					8.15	
LOWEST ANNUAL MEAN					2004	
HIGHEST DAILY MEAN	484	Sep 28	484	Jun 2	484	Sep 28, 2004
LOWEST DAILY MEAN	0.72	Jul 10	0.89	Sep 10	0.72	Jul 10, 2004
ANNUAL SEVEN-DAY MINIMUM	1.1	Jun 1	0.94	Sep 10	0.94	Sep 10, 2005
MAXIMUM PEAK FLOW			2,290	Jun 2	2,830	Sep 28, 2004
MAXIMUM PEAK STAGE			8.92	Jun 2	9.64	Sep 28, 2004
INSTANTANEOUS LOW FLOW			0.69*	Sep 5	0.54*	Jul 10, 2004
ANNUAL RUNOFF (CFSM)	0.761		0.780		0.761	
ANNUAL RUNOFF (INCHES)	10.36		10.59		10.34	
10 PERCENT EXCEEDS	9.9		12		11	
50 PERCENT EXCEEDS	3.4		3.6		3.5	
90 PERCENT EXCEEDS	1.4		2.0		1.6	

* See REMARKS.

e Estimated.

