

0209399200 HORSE PEN CREEK AT US HIGHWAY 220 NEAR GREENSBORO, NC

LOCATION.--Lat 36°08'16", long 79°51'36", Guilford County, Hydrologic Unit 03030002, on right bank, 300 ft downstream from U.S. Highway 220 bridge on gravel road to city lift station, 2.9 mi upstrem from Lake Brandt dam and 6.3 mi northwest of Greensboro.

DRAINAGE AREA.--15.9 mi<sup>2</sup>

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 740 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor.

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	11	4.6	17	5.9	10	39	16	32	5.6	6.0	8.6	1.8
2	9.7	4.6	9.7	5.9	9.4	15	36	11	33	5.3	5.8	1.6
3	8.0	4.9	8.0	5.8	69	12	18	9.0	50	5.0	4.4	1.5
4	6.3	73	7.6	5.9	34	10	14	8.0	15	16	3.6	1.4
5	6.0	15	6.8	5.8	16	9.4	13	7.6	10	10	3.1	1.4
6	6.4	7.9	6.8	6.0	12	8.4	12	19	8.0	6.1	2.8	1.4
7	5.1	6.4	12	5.9	11	7.8	e11	9.8	7.9	21	2.6	1.4
8	4.8	5.6	7.1	5.6	9.9	31	e31	8.5	51	20	2.7	1.5
9	4.7	5.1	36	5.4	9.1	11	e13	7.9	38	7.9	18	1.5
10	4.7	4.8	421	6.0	21	9.0	e10	7.4	22	6.1	4.9	1.5
11	4.5	4.8	84	5.4	9.8	8.3	e12	7.0	10	5.4	3.4	1.4
12	4.5	163	28	5.4	9.5	7.8	13	6.9	7.8	5.4	2.7	1.4
13	7.0	69	15	5.5	8.4	7.4	17	8.0	7.1	40	4.8	1.5
14	5.1	18	11	123	16	10	21	6.9	6.4	44	4.4	1.7
15	4.7	11	9.7	25	12	7.2	12	7.6	5.7	16	3.0	1.7
16	4.2	9.6	8.7	14	9.5	33	11	7.1	5.2	7.7	6.4	2.2
17	4.1	8.3	8.0	11	8.4	63	11	6.3	5.1	5.2	5.7	2.7
18	4.1	7.7	7.5	9.6	7.7	21	10	6.3	5.0	4.2	2.9	1.9
19	6.8	7.3	7.3	9.0	7.3	12	9.5	7.3	4.7	3.5	3.2	1.7
20	6.9	7.2	6.6	9.0	7.3	10	9.4	9.7	4.7	8.0	22	1.7
21	4.8	6.9	6.4	10	8.5	8.9	8.7	11	5.1	3.4	9.4	2.7
22	4.6	6.6	6.5	9.3	7.9	8.9	8.5	6.9	6.5	2.9	4.5	1.8
23	4.5	55	34	8.7	7.2	46	10	8.4	5.7	2.8	4.7	1.6
24	6.2	51	11	7.7	31	24	8.7	8.4	5.8	2.3	3.2	1.4
25	5.2	65	8.1	8.6	13	12	8.1	7.8	5.8	2.1	2.7	1.5
26	4.7	16	7.0	8.5	9.6	10	7.9	6.5	5.8	1.9	2.4	1.9
27	4.7	15	6.4	7.9	8.7	9.3	8.0	6.0	31	1.8	2.2	1.9
28	5.6	61	6.1	7.3	121	244	7.6	6.0	24	7.5	2.2	1.6
29	5.3	14	6.1	7.8	---	56	12	5.8	9.9	84	2.0	1.4
30	5.3	10	6.1	35	---	23	9.1	5.7	7.5	42	1.9	1.3
31	4.8	---	6.0	16	---	18	---	5.5	---	19	2.5	---
TOTAL	174.3	738.3	821.5	401.9	504.2	792.4	388.5	271.3	409.3	412.5	152.7	50.0
MEAN	5.62	24.6	26.5	13.0	18.0	25.6	12.9	8.75	13.6	13.3	4.93	1.67
MAX	11	163	421	123	121	244	36	32	51	84	22	2.7
MIN	4.1	4.6	6.0	5.4	7.2	7.2	7.6	5.5	4.7	1.8	1.9	1.3
CFSM	0.35	1.55	1.67	0.82	1.13	1.61	0.81	0.55	0.86	0.84	0.31	0.10
IN.	0.41	1.73	1.92	0.94	1.18	1.85	0.91	0.63	0.96	0.97	0.36	0.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	12.8	17.4	21.4	16.7	25.9	32.8	27.3	15.2	13.6	17.1	15.4	33.0
MAX	31.8	43.6	45.7	21.9	45.0	74.3	70.2	46.6	35.3	35.4	58.2	79.5
(WY)	(2003)	(2003)	(2003)	(2000)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2000)
MIN	5.62	5.08	8.86	9.75	9.21	13.2	5.46	3.32	4.68	4.11	4.93	1.67
(WY)	(2005)	(2002)	(2001)	(2004)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2005)	(2005)

0209399200 HORSE PEN CREEK AT US HIGHWAY 220 NEAR GREENSBORO, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1999 - 2005	
ANNUAL TOTAL	7,008.6		5,116.9		20.9	
ANNUAL MEAN	19.1		14.0		8.37	
HIGHEST ANNUAL MEAN					46.5	2003
LOWEST ANNUAL MEAN					8.37	2002
HIGHEST DAILY MEAN	564	Sep 8	421	Dec 10	827	Mar 20, 2003
LOWEST DAILY MEAN	2.5	Sep 4	1.3	Sep 30	0.14	Aug 25, 2002
ANNUAL SEVEN-DAY MINIMUM	3.0	Aug 23	1.4	Sep 3	0.38	Aug 8, 2002
MAXIMUM PEAK FLOW			971	Dec 10	2,300	Sep 23, 2003
MAXIMUM PEAK STAGE			8.81	Dec 10	10.66	Sep 23, 2003
INSTANTANEOUS LOW FLOW			1.2	Sep 30	0.06	Aug 14, 2002
ANNUAL RUNOFF (CFSM)	1.20		0.882		1.32	
ANNUAL RUNOFF (INCHES)	16.40		11.97		17.89	
10 PERCENT EXCEEDS	27		29		40	
50 PERCENT EXCEEDS	8.8		7.6		8.7	
90 PERCENT EXCEEDS	4.6		2.4		2.8	

e Estimated.

