

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 of U.S. Highway 220 bridge on gravel road to city lift station, 2.9 mi above Lake Brandt dam and 6.3 mi northwest of Greensboro.

DRAINAGE AREA.--15.9 mi²

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.--No estimated daily discharges. Records poor.

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	9.1	11	10	10	9.2	18	16	8.6	5.7	6.4	6.8	2.9
2	9.1	8.7	9.2	11	8.6	18	11	11	5.2	8.7	9.6	2.9
3	8.2	8.5	9.0	14	83	17	10	22	5.1	7.1	9.4	2.6
4	7.9	8.4	14	11	24	14	10	11	30	8.1	5.2	2.5
5	7.8	8.4	26	11	15	13	8.9	8.5	11	8.2	4.3	2.5
6	7.8	14	14	11	86	27	8.8	7.8	7.7	5.8	3.8	6.1
7	7.6	14	11	8.6	87	15	8.9	7.3	6.8	5.6	3.4	11
8	7.7	9.0	10	8.5	27	12	8.9	6.9	54	8.7	3.3	564
9	39	8.8	10	12	20	12	8.8	7.0	22	8.5	3.2	95
10	21	7.7	84	10	18	13	8.5	7.9	12	14	3.1	23
11	22	8.2	64	8.9	16	11	9.0	6.6	9.1	13	3.0	11
12	11	8.0	20	9.4	24	11	106	6.8	7.7	6.6	4.9	8.6
13	8.9	7.5	15	9.3	18	9.9	127	8.2	6.8	5.7	8.5	7.3
14	8.6	7.3	104	9.0	16	9.8	49	7.1	6.9	6.6	45	6.7
15	11	7.6	62	8.9	19	12	23	6.3	7.1	4.9	11	6.5
16	7.6	7.8	35	8.2	31	50	17	12	9.6	4.4	7.0	6.2
17	7.4	8.2	70	7.3	21	28	14	7.9	6.6	41	5.3	93
18	7.3	8.3	32	11	20	18	13	6.5	6.2	424	4.9	56
19	7.2	65	20	8.5	20	15	12	7.3	35	25	4.0	11
20	7.2	28	16	7.6	18	12	15	8.8	16	10	3.6	7.3
21	7.3	16	14	7.9	16	12	14	6.4	8.6	8.1	3.6	6.0
22	7.2	13	14	7.7	14	11	11	19	7.2	6.8	3.5	5.0
23	7.0	13	13	7.3	14	10	9.8	10	6.9	7.1	3.0	4.5
24	7.0	12	14	7.2	14	9.9	9.5	8.9	7.5	7.1	3.2	4.2
25	7.3	12	12	7.7	13	10	9.2	6.4	6.1	6.6	3.2	4.1
26	9.0	11	11	8.9	13	10	23	5.9	24	5.5	3.1	4.0
27	19	11	11	8.4	24	9.8	16	6.9	13	42	2.9	23
28	12	19	11	9.9	25	10	12	5.7	9.6	44	2.8	490
29	44	15	10	13	23	9.3	10	5.4	7.8	44	2.6	49
30	12	11	13	16	---	10	8.8	10	6.9	22	6.8	15
31	10	---	10	13	---	12	---	6.6	---	9.0	3.5	---
TOTAL	365.2	387.4	768.2	302.2	736.8	449.7	608.1	266.7	368.1	824.5	187.5	1,530.9
MEAN	11.8	12.9	24.8	9.75	25.4	14.5	20.3	8.60	12.3	26.6	6.05	51.0
MAX	44	65	104	16	87	50	127	22	54	424	45	564
MIN	7.0	7.3	9.0	7.2	8.6	9.3	8.5	5.4	5.1	4.4	2.6	2.5
CFSM	0.74	0.81	1.56	0.61	1.60	0.91	1.27	0.54	0.77	1.67	0.38	3.21
IN.	0.85	0.91	1.80	0.71	1.72	1.05	1.42	0.62	0.86	1.93	0.44	3.58

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

	1999	2000	2001	2002	2003	2004
MEAN	14.2	15.9	20.4	17.5	27.5	34.3
MAX	31.8	43.6	45.7	21.9	45.0	74.3
(WY)	(2003)	(2003)	(2003)	(2000)	(2003)	(2003)
MIN	6.74	5.08	8.86	9.75	9.21	13.2
(WY)	(2001)	(2002)	(2001)	(2004)	(2002)	(2002)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1999 - 2004

ANNUAL TOTAL	14,798.5	6,795.3	
ANNUAL MEAN	40.5	18.6	22.3
HIGHEST ANNUAL MEAN			46.5
LOWEST ANNUAL MEAN			8.37
HIGHEST DAILY MEAN	827	564	827
LOWEST DAILY MEAN	5.6	2.5	0.14
ANNUAL SEVEN-DAY MINIMUM	5.8	3.0	0.38
MAXIMUM PEAK FLOW		1,420	2,300
MAXIMUM PEAK STAGE		9.57	10.66
INSTANTANEOUS LOW FLOW		2.4	0.06
ANNUAL RUNOFF (CFSM)	2.55	1.17	1.40
ANNUAL RUNOFF (INCHES)	34.62	15.90	19.07
10 PERCENT EXCEEDS	90	27	43
50 PERCENT EXCEEDS	15	9.8	9.1
90 PERCENT EXCEEDS	7.6	5.3	2.9

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

