

02094775 RYAN CREEK BELOW US HIGHWAY 220 AT GREENSBORO, NC

LOCATION.--Lat 36°01'51", long 79°47'55", Guilford County, Hydrologic Unit 03030002, on left bank 0.6 mi upstream of South Buffalo Creek, and .2 mi below US Highway 220 in Greensboro.

DRAINAGE AREA.--4.12 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1998 to current year.

REVISED RECORDS.--WDR NC-02-1B: 1999-2001(M).

GAGE.--Water-stage recorder. Elevation of gage is 730 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. No flow occurred several days in Aug. 2002. Minimum discharge for current water year also occurred Oct. 3, 4, 6.

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	0.26	1.6	0.92	70	3.3	19	3.2	1.8	2.0	1.0	20	6.9
2	0.25	1.0	0.89	6.5	2.5	34	2.5	1.6	1.3	70	7.7	2.7
3	0.24	0.83	0.99	15	2.2	4.8	2.1	1.5	13	4.8	6.6	2.8
4	0.27	1.1	1.2	4.2	7.5	3.2	1.9	1.6	94	1.9	48	107
5	0.26	19	64	2.8	2.4	4.3	5.4	3.1	6.5	1.3	21	7.5
6	0.25	37	18	2.4	3.0	44	2.1	9.0	2.2	2.3	2.7	3.0
7	0.27	2.8	9.0	1.9	32	4.6	96	1.9	189	4.0	2.1	2.4
8	0.33	1.7	6.8	2.0	5.1	3.2	14	1.3	25	1.1	20	2.9
9	0.31	1.3	5.5	1.7	3.0	2.8	83	1.1	20	2.6	4.2	1.9
10	1.4	1.1	3.9	e1.5	3.5	2.3	240	0.94	2.8	1.6	5.3	1.7
11	252	3.9	56	1.4	2.3	2.2	18	0.86	1.9	0.88	4.7	1.5
12	4.6	110	6.8	1.3	1.9	2.0	5.3	0.78	5.9	1.3	4.1	1.5
13	82	9.8	70	1.3	1.4	5.9	3.3	0.67	2.4	129	2.9	1.5
14	7.6	3.3	8.9	1.1	1.8	4.2	2.7	0.66	1.3	83	1.8	1.5
15	7.9	2.3	3.5	0.95	2.8	4.4	2.4	49	1.2	3.3	1.6	1.4
16	92	86	2.6	e0.95	3.3	36	2.1	4.7	2.9	2.6	1.5	1.2
17	4.2	71	2.2	e0.95	2.4	5.3	1.9	2.0	2.2	2.0	24	1.1
18	1.7	8.2	1.9	0.96	18	12	10	10	2.0	2.3	6.5	82
19	0.99	3.3	1.7	1.0	7.1	4.3	15	9.1	2.7	3.0	2.1	13
20	0.74	2.4	38	1.0	4.4	256	3.4	2.2	9.4	1.8	1.8	2.5
21	1.3	2.9	3.7	0.93	3.1	10	2.9	14	1.3	1.7	1.7	2.0
22	3.7	2.1	2.5	1.0	77	4.4	2.5	96	0.86	17	1.5	14
23	0.81	1.3	2.0	e1.0	9.6	3.2	2.0	31	0.84	9.6	1.4	206
24	0.57	1.2	64	1.1	3.4	2.7	1.8	7.8	0.66	2.0	1.8	3.1
25	0.73	1.1	33	1.3	2.6	2.4	2.7	34	0.64	1.5	1.5	2.2
26	1.1	0.99	4.3	1.5	8.8	2.4	70	48	0.60	1.4	1.7	1.9
27	0.58	0.96	2.8	1.2	56	2.9	8.4	3.7	118	1.2	1.2	1.8
28	36	0.90	2.3	1.1	20	2.0	3.0	2.7	9.8	1.2	0.96	2.3
29	41	0.91	2.0	5.4	---	2.7	2.2	4.7	2.1	49	24	1.3
30	9.3	1.0	1.8	35	---	49	1.8	2.4	1.3	9.5	27	1.3
31	2.8	---	1.9	6.0	---	5.5	---	4.8	---	23	92	---
TOTAL	555.46	380.99	423.10	174.44	290.4	541.7	611.6	352.91	523.80	436.88	343.36	481.9
MEAN	17.9	12.7	13.6	5.63	10.4	17.5	20.4	11.4	17.5	14.1	11.1	16.1
MAX	252	110	70	70	77	256	240	96	189	129	92	206
MIN	0.24	0.83	0.89	0.93	1.4	2.0	1.8	0.66	0.60	0.88	0.96	1.1
CFSM	4.35	3.08	3.31	1.37	2.52	4.24	4.95	2.76	4.24	3.42	2.69	3.90
IN.	5.02	3.44	3.82	1.58	2.62	4.89	5.52	3.19	4.73	3.94	3.10	4.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	4.62	3.32	4.64	7.02	4.98	7.79	6.47	3.60	5.75	4.86	4.42	10.9
MAX	17.9	12.7	13.6	12.9	10.4	17.5	20.4	11.4	17.5	14.1	11.1	29.9
(WY)	(2003)	(2003)	(2003)	(2002)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2000)
MIN	0.31	0.42	1.35	2.92	2.13	2.74	0.76	1.05	0.14	0.89	1.66	1.14
(WY)	(1999)	(1999)	(2001)	(2001)	(1999)	(1999)	(2002)	(1999)	(2002)	(1999)	(1998)	(1998)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	2,303.80		5,116.54			
ANNUAL MEAN	6.31		14.0		5.90	
HIGHEST ANNUAL MEAN					14.0	2003
LOWEST ANNUAL MEAN					2.98	2002
HIGHEST DAILY MEAN	252	Oct 11	256	Mar 20	393	Sep 15, 2000
LOWEST DAILY MEAN	0.00	Aug 6	0.24	Oct 3	0.00	Aug 6, 2002
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 6	0.26	Oct 1	0.00	Aug 6, 2002
MAXIMUM PEAK FLOW			1,060	Jul 13	1,060	Jul 13, 2003
MAXIMUM PEAK STAGE			12.53	Jul 13	12.53	Jul 13, 2003
INSTANTANEOUS LOW FLOW			0.20*	Oct 2	0.00*	Aug 6, 2002
ANNUAL RUNOFF (CFSM)	1.53		3.40		1.43	
ANNUAL RUNOFF (INCHES)	20.80		46.20		19.46	
10 PERCENT EXCEEDS	8.9		39		10	
50 PERCENT EXCEEDS	0.72		2.6		1.1	
90 PERCENT EXCEEDS	0.03		0.96		0.22	

e Estimated.
 * See REMARKS.

