

02093877 BRUSH CREEK AT MUIRFIELD ROAD NEAR GREENSBORO, NC

LOCATION.--Lat 36°27'41", long 79°55'26", Guilford County, Hydrologic Unit 03030002, on right bank on downstream side of culvert on Muirfield Road and 1.8 mi upstream from Lake Higgins.

DRAINAGE AREA.--7.42 mi<sup>2</sup>.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 2004 to September 2005.

GAGE.--Water-stage recorder. Elevation of gage is 790 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor. Minimum discharge for 2004 water year also occurred July 17.

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	---	---	---	---	---	---	4.3	3.0	2.0	1.5	2.5	e1.9
2	---	---	---	---	---	---	3.3	7.0	1.8	2.1	4.5	e2.0
3	---	---	---	---	---	---	3.2	16	1.7	1.9	7.2	1.8
4	---	---	---	---	---	---	3.2	4.8	13	1.9	2.6	1.8
5	---	---	---	---	---	---	3.0	3.3	3.6	1.6	2.1	1.8
6	---	---	---	---	---	---	2.9	3.1	2.0	1.3	2.0	2.8
7	---	---	---	---	---	---	3.0	2.8	1.8	1.2	1.9	5.0
8	---	---	---	---	---	---	3.0	2.6	3.4	1.2	1.8	154
9	---	---	---	---	---	---	2.9	3.0	2.9	1.2	1.7	15
10	---	---	---	---	---	---	2.9	3.2	1.8	1.9	1.7	4.5
11	---	---	---	---	---	---	3.1	2.5	1.7	2.9	1.6	3.2
12	---	---	---	---	---	---	44	2.5	1.7	1.2	3.8	2.5
13	---	---	---	---	---	---	36	3.3	1.7	1.2	5.0	2.4
14	---	---	---	---	---	---	15	3.3	1.7	1.6	24	2.3
15	---	---	---	---	---	---	7.9	2.3	2.0	1.2	5.3	2.3
16	---	---	---	---	---	---	5.8	3.0	2.8	1.1	e3.5	2.3
17	---	---	---	---	---	---	4.9	2.6	1.8	39	e2.8	40
18	---	---	---	---	---	---	4.3	2.6	1.6	104	e3.0	17
19	---	---	---	---	---	---	4.0	4.0	3.9	4.6	e2.5	5.3
20	---	---	---	---	---	---	3.8	3.8	e3.1	3.6	e2.1	3.5
21	---	---	---	---	---	---	3.6	2.5	e1.7	2.5	e2.0	3.0
22	---	---	---	---	---	---	3.3	4.9	1.5	2.4	e1.9	2.7
23	---	---	---	---	---	---	3.8	2.6	1.9	2.4	e1.8	2.4
24	---	---	---	---	---	---	2.8	2.3	2.2	2.1	e1.7	2.3
25	---	---	---	---	---	---	2.9	2.1	1.7	2.0	e1.6	2.2
26	---	---	---	---	---	---	7.8	2.0	4.9	2.1	e1.5	2.1
27	---	---	---	---	---	---	5.1	2.3	2.4	9.1	e1.5	9.3
28	---	---	---	---	---	---	3.1	2.0	2.4	17	e1.4	211
29	---	---	---	---	---	---	2.9	1.9	1.8	26	e1.6	14
30	---	---	---	---	---	---	2.8	4.0	1.5	7.5	e2.8	6.0
31	---	---	---	---	---	---	---	2.4	---	3.2	e2.1	---
MEAN	---	---	---	---	---	---	6.62	3.47	2.60	8.15	3.27	17.5

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

MEAN	---	---	---	---	---	---	6.62	3.47	2.60	8.15	3.27	17.5
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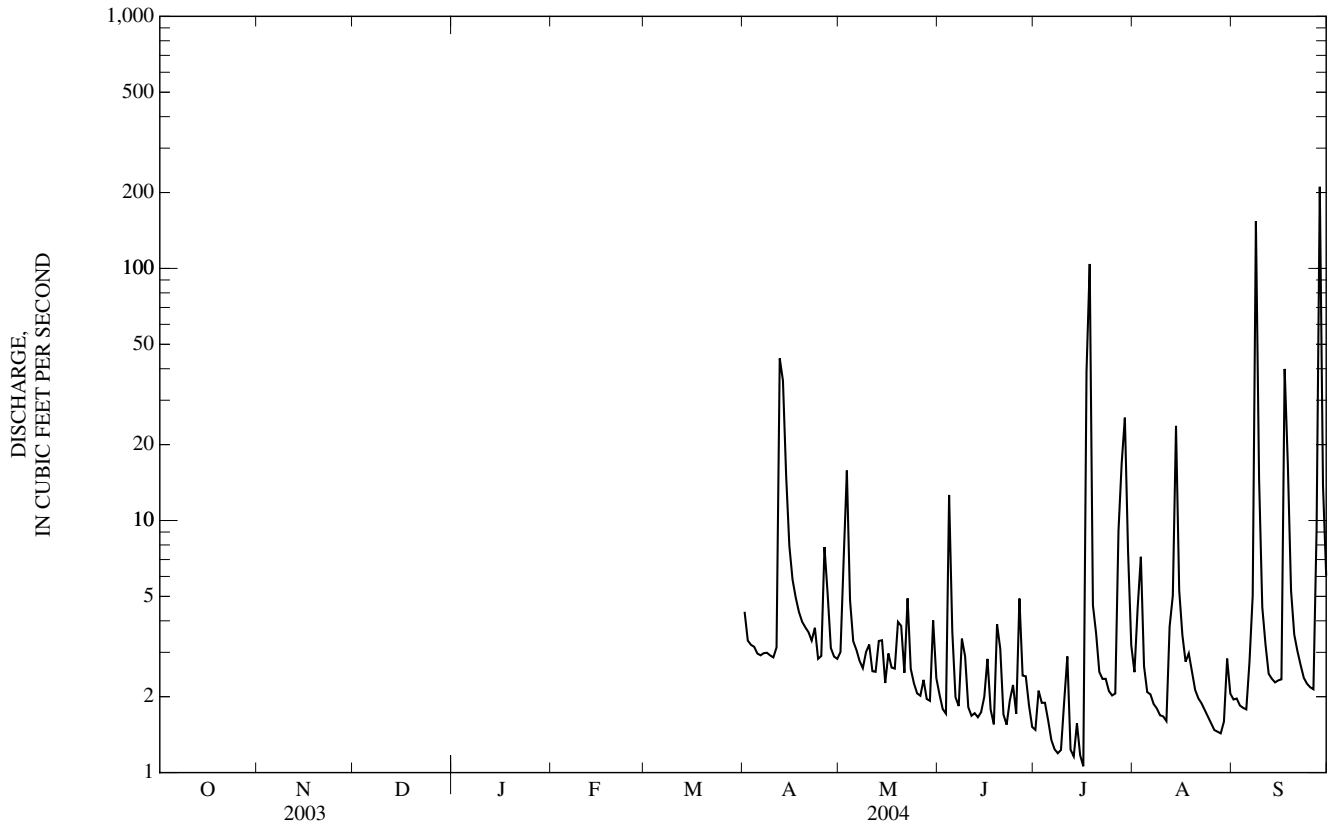
SUMMARY STATISTICS

FOR 2004 WATER YEAR

MAXIMUM PEAK STAGE	8.93	Jul 18
MAXIMUM PEAK FLOW	NOT DETERMINED	
INSTANTANEOUS LOW FLOW	0.98*	Jul 16
10 PERCENT EXCEEDS	8.6	
50 PERCENT EXCEEDS	2.6	
90 PERCENT EXCEEDS	1.6	

\* See REMARKS.

e Estimated.



02093877 BRUSH CREEK AT MUIRFIELD ROAD NEAR GREENSBORO, NC—Continued

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	4.4	2.5	5.7	3.6	4.0	11	6.5	11	2.0	1.9	4.4	0.85
2	3.6	2.6	3.6	3.5	3.6	5.8	15	3.7	12	1.9	3.0	0.83
3	3.4	3.0	3.1	3.4	20	4.4	6.7	2.8	24	1.8	2.3	0.85
4	2.9	28	2.8	3.4	11	3.7	5.0	2.6	6.1	3.9	1.8	0.83
5	2.7	6.1	2.6	3.4	6.1	3.6	4.5	2.6	3.4	3.6	1.6	0.77
6	2.6	3.4	2.8	3.5	4.9	3.2	4.2	7.1	2.8	2.0	1.6	0.68
7	2.5	2.9	4.3	3.3	4.4	3.2	8.9	3.1	2.6	15	1.6	0.71
8	2.8	2.7	2.7	3.0	4.0	8.6	13	2.9	8.3	13	1.5	0.70
9	2.5	2.8	15	2.9	4.0	4.2	17	2.8	8.9	3.4	7.9	0.69
10	2.5	2.9	145	2.9	6.6	3.2	6.0	2.0	7.8	2.4	2.7	0.90
11	2.3	2.9	22	2.9	3.8	3.0	5.0	2.4	2.9	2.1	1.8	0.90
12	2.3	57	9.6	3.0	3.5	3.1	4.6	3.0	2.4	2.1	1.6	0.73
13	3.0	16	6.7	3.2	3.6	2.9	6.3	3.3	2.4	2.8	1.5	0.73
14	2.5	5.3	5.3	39	6.5	3.6	7.4	2.8	2.2	8.5	1.8	0.91
15	1.8	3.7	4.8	8.3	4.8	2.8	4.6	3.6	1.9	5.1	1.3	0.80
16	1.8	3.0	4.6	5.7	3.9	7.9	4.1	2.9	1.7	2.4	1.2	0.84
17	1.9	2.6	4.5	4.5	3.5	15	3.6	2.6	1.9	2.2	1.5	1.2
18	2.1	2.4	4.3	3.8	3.1	6.4	3.5	2.9	1.7	1.9	1.6	1.1
19	2.4	2.2	4.2	3.6	3.1	4.2	3.7	2.2	1.7	1.7	1.6	0.80
20	2.9	2.1	3.6	3.9	3.2	3.6	3.9	3.6	1.7	2.7	9.2	0.84
21	2.6	2.1	3.6	4.8	3.8	3.3	3.6	3.4	1.9	1.9	5.0	1.6
22	2.6	2.0	3.9	4.0	3.3	3.5	3.6	2.4	1.8	1.9	1.8	1.4
23	2.6	12	12	3.6	3.0	13	4.5	3.2	1.5	2.6	1.5	1.2
24	3.4	30	5.9	3.1	9.6	7.7	3.1	2.6	1.4	2.2	1.4	1.2
25	3.0	24	4.2	3.6	4.3	4.7	2.8	3.1	1.7	1.7	1.3	1.3
26	2.4	6.1	3.9	3.9	2.9	3.8	2.9	2.3	1.7	1.9	1.1	1.1
27	2.5	6.2	3.7	3.5	3.1	3.7	2.9	1.9	2.4	1.8	1.1	1.2
28	3.0	18	3.9	3.0	30	88	2.7	1.9	13	4.4	1.1	1.1
29	2.6	5.2	3.8	3.3	---	19	4.8	1.9	3.4	37	0.93	0.95
30	2.7	3.9	3.8	11	---	8.8	3.3	1.9	2.5	15	1.0	0.81
31	2.6	---	3.7	6.1	---	7.0	---	1.7	---	10	1.2	---
MEAN	2.67	8.79	9.99	5.18	5.99	8.58	5.59	3.10	4.32	5.19	2.22	0.95

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

MEAN	2.67	8.79	9.99	5.18	5.99	8.58	6.11	3.29	3.46	6.67	2.75	9.25
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SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2004 - 2005

ANNUAL MEAN							5.21			5.21		
HIGHEST DAILY MEAN				211	Sep 28		145	Dec 10		211	Sep 28, 2004	
LOWEST DAILY MEAN				1.1	Jul 16		0.68	Sep 6		0.68	Sep 6, 2005	
ANNUAL SEVEN-DAY MINIMUM				1.5	Jul 3		0.75	Sep 3		0.75	Sep 3, 2005	
MAXIMUM PEAK STAGE							7.67	Dec 10		8.93	Jul 18, 2004	
MAXIMUM PEAK FLOW							NOT DETERMINED			NOT DETERMINED		
INSTANTANEOUS LOW FLOW							0.46	Sep 19		0.46	Sep 19, 2005	
10 PERCENT EXCEEDS							9.0			9.0		
50 PERCENT EXCEEDS							3.1			3.1		
90 PERCENT EXCEEDS							1.3			1.3		

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