

0208762750 UNNAMED TRIB TO SWIFT CREEK NEAR YATES MILL POND, NC

LOCATION.--Lat 34°43'55", long 78°40'32", Wake County, Hydrologic Unit 03020201, 0.4 mi east of Secondary Road 1371 and approximately 1 mi northeast of Yates Mill Pond.

DRAINAGE AREA.--0.21 mi².

PERIOD OF RECORD.--May 2002 to September 2003.

GAGE.--Water-stage recorder. Elevation of gage is 320 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor. Minimum discharge for period of record occurred many days during period May 2002 to September 2002, Oct. 9, 2003.

DISCHARGE, CUBIC FEET PER SECOND
FOR PERIOD MAY TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	0.03	0.02	0.01	0.02	0.18
2	---	---	---	---	---	---	---	e0.03	0.02	0.01	0.02	0.05
3	---	---	---	---	---	---	---	0.04	0.02	0.01	0.02	0.03
4	---	---	---	---	---	---	---	0.05	0.02	0.01	0.02	0.03
5	---	---	---	---	---	---	---	0.04	0.02	0.01	0.02	0.03
6	---	---	---	---	---	---	---	0.03	0.02	0.01	0.02	0.03
7	---	---	---	---	---	---	---	0.03	0.02	0.01	0.02	0.03
8	---	---	---	---	---	---	---	0.03	0.03	0.01	0.02	0.03
9	---	---	---	---	---	---	---	0.03	0.03	0.02	0.02	0.03
10	---	---	---	---	---	---	---	0.03	0.03	0.02	0.02	0.03
11	---	---	---	---	---	---	---	0.03	0.03	e0.03	0.02	0.03
12	---	---	---	---	---	---	---	0.03	0.02	e0.03	0.02	0.03
13	---	---	---	---	---	---	---	0.03	0.02	0.03	0.02	0.03
14	---	---	---	---	---	---	---	0.03	0.02	0.04	0.02	0.03
15	---	---	---	---	---	---	---	0.03	0.02	0.03	0.03	0.04
16	---	---	---	---	---	---	---	0.03	0.02	0.03	0.03	0.08
17	---	---	---	---	---	---	---	0.03	0.02	0.03	0.03	0.03
18	---	---	---	---	---	---	---	0.03	0.01	0.03	0.05	0.03
19	---	---	---	---	---	---	---	0.03	0.02	0.02	0.03	0.03
20	---	---	---	---	---	---	---	0.04	0.02	0.02	0.03	0.02
21	---	---	---	---	---	---	---	0.04	0.02	0.03	0.03	0.02
22	---	---	---	---	---	---	---	0.04	0.01	0.03	0.03	0.02
23	---	---	---	---	---	---	---	0.04	0.02	0.02	0.03	0.02
24	---	---	---	---	---	---	---	0.03	0.02	0.08	0.03	0.03
25	---	---	---	---	---	---	---	0.03	0.02	0.02	0.03	0.03
26	---	---	---	---	---	---	---	0.03	0.02	0.05	0.04	0.03
27	---	---	---	---	---	---	---	0.03	0.02	0.02	0.05	0.03
28	---	---	---	---	---	---	---	0.03	0.03	0.02	0.05	0.03
29	---	---	---	---	---	---	---	0.03	0.01	0.02	0.05	0.03
30	---	---	---	---	---	---	---	0.03	0.01	0.02	0.12	0.03
31	---	---	---	---	---	---	---	0.02	---	0.02	0.40	---
TOTAL	---	---	---	---	---	---	---	1.00	0.61	0.74	1.34	1.09
MEAN	---	---	---	---	---	---	---	0.032	0.020	0.024	0.043	0.036
MAX	---	---	---	---	---	---	---	0.05	0.03	0.08	0.40	0.18
MIN	---	---	---	---	---	---	---	0.02	0.01	0.01	0.02	0.02

STATISTICS OF MONTHLY MEAN DATA FOR PERIOD MAY 2002 TO SEPTEMBER 2002

MEAN	---	---	---	---	---	---	---	0.032	0.020	0.024	0.043	0.036
MAX	---	---	---	---	---	---	---	0.032	0.020	0.024	0.043	0.036
(WY)	---	---	---	---	---	---	---	(2002)	(2002)	(2002)	(2002)	(2002)
MIN	---	---	---	---	---	---	---	0.032	0.020	0.024	0.043	0.036
(WY)	---	---	---	---	---	---	---	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

FOR PERIOD
MAY TO SEPTEMBER 2002

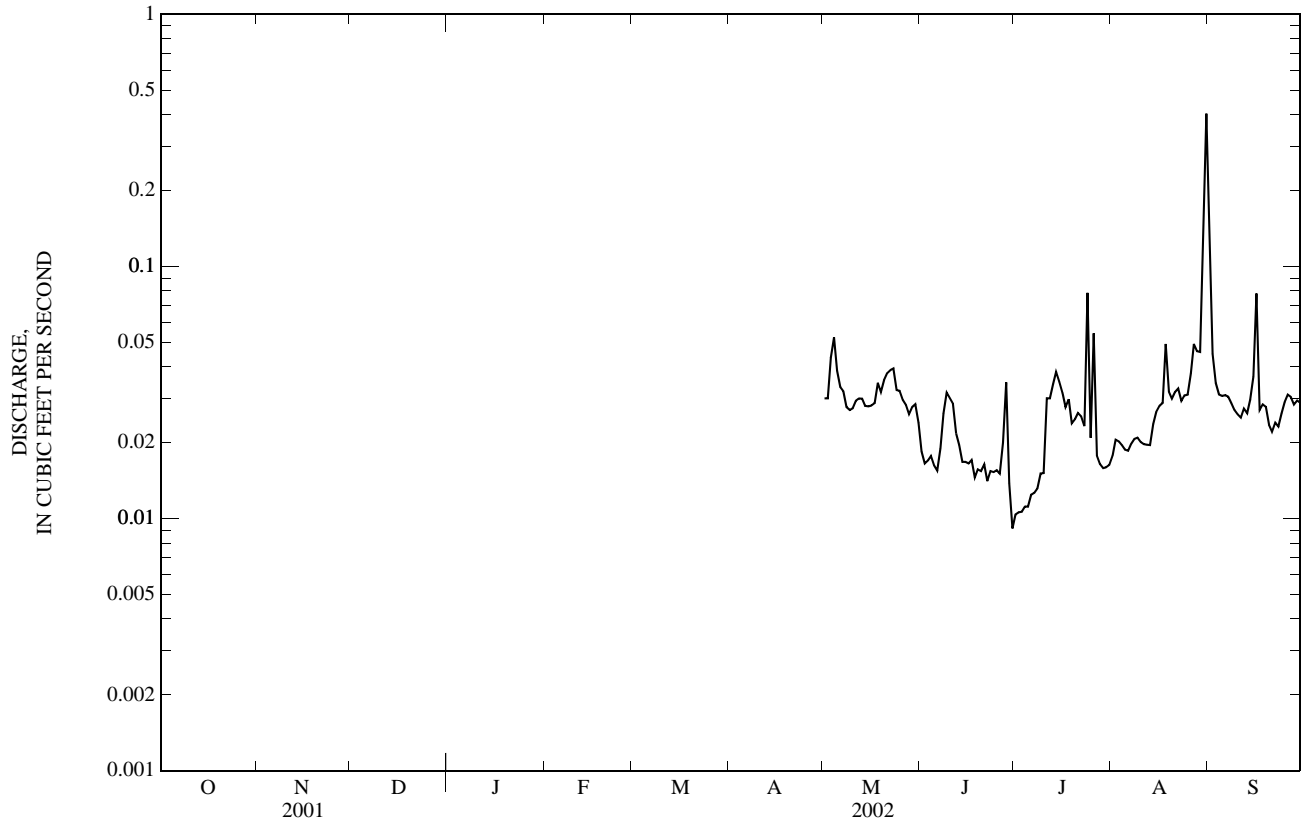
MAXIMUM PEAK FLOW
MAXIMUM PEAK STAGE
INSTANTANEOUS LOW FLOW

1.3 Jul 24
1.49 Jul 24
0.01* May 31

e Estimated.

* See REMARKS.

0208762750 UNNAMED TRIB TO SWIFT CREEK NEAR YATES MILL POND, NC—Continued



0208762750 UNNAMED TRIB TO SWIFT CREEK NEAR YATES MILL POND, NC—Continued

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	0.03	0.28	e0.29	0.91	0.25	0.55	0.17	0.17	0.20	0.47	0.32	0.46
2	0.03	0.24	e0.26	0.51	0.18	1.0	0.15	0.17	0.22	4.3	0.44	0.24
3	0.03	0.08	e0.54	0.52	0.15	0.34	0.14	0.19	0.30	0.77	0.13	0.22
4	0.03	0.14	0.86	e0.29	0.18	0.28	0.14	0.21	0.18	e0.42	0.06	0.23
5	0.03	0.23	1.6	e0.20	0.09	0.31	0.20	0.22	0.15	e0.33	0.37	0.26
6	0.03	0.74	0.76	e0.17	0.26	1.8	0.16	0.28	0.27	e0.27	0.07	0.25
7	0.02	0.36	0.60	e0.16	1.1	0.23	0.40	0.23	0.60	e0.23	0.08	0.23
8	0.03	0.32	0.52	e0.15	0.43	0.19	0.28	0.22	0.76	e0.21	4.6	0.33
9	0.03	0.31	0.49	e0.16	0.30	0.17	0.88	0.18	0.36	e0.20	0.91	0.22
10	0.02	0.33	0.50	e0.18	0.66	0.16	1.9	0.16	0.22	e0.20	1.2	0.22
11	4.2	0.36	0.61	0.15	0.41	0.16	0.64	0.15	0.18	e0.32	0.55	0.20
12	0.29	1.4	0.50	0.14	0.31	0.14	0.35	0.12	0.27	e0.23	0.30	0.22
13	0.14	1.6	1.8	0.17	0.22	0.16	0.28	0.12	0.21	e0.25	0.22	0.24
14	0.10	0.50	0.66	0.17	0.21	0.15	0.26	0.11	0.17	e0.98	1.2	0.25
15	0.11	0.44	0.49	0.16	0.28	0.15	0.25	0.13	0.49	e0.17	0.34	0.22
16	0.21	0.53	0.44	0.17	0.29	0.40	0.22	0.15	1.5	0.09	0.25	0.21
17	0.06	0.91	0.44	0.21	0.31	0.21	0.20	0.16	0.73	0.10	0.22	0.20
18	0.04	e0.56	0.46	0.15	0.66	0.20	0.23	0.21	0.82	0.10	0.24	0.73
19	0.04	e0.41	0.50	0.16	0.54	0.16	0.28	0.30	1.0	0.10	0.24	0.59
20	0.04	e0.35	0.63	0.17	0.47	1.3	0.28	0.16	0.89	0.09	0.19	0.37
21	1.1	e0.28	0.44	0.16	0.41	0.32	0.29	0.15	0.60	0.09	0.17	0.34
22	0.45	e0.24	0.37	0.18	1.2	0.20	0.28	0.66	0.51	0.08	0.21	0.43
23	0.26	e0.22	0.36	0.18	0.65	0.18	0.22	0.47	0.43	0.09	0.22	0.82
24	0.21	e0.20	0.69	0.11	0.42	0.16	0.23	0.25	0.39	0.10	0.18	0.37
25	0.17	e0.23	0.71	0.14	0.37	0.15	0.36	0.32	0.36	0.08	0.18	0.34
26	0.16	e0.21	0.49	0.17	0.39	0.15	0.35	0.24	0.33	0.07	0.17	0.33
27	0.14	e0.20	0.42	0.14	1.7	0.15	0.22	0.23	0.31	0.07	0.16	0.33
28	0.39	e0.20	0.39	0.16	0.76	0.15	0.19	0.19	0.35	0.07	0.16	0.32
29	0.46	e0.22	0.37	0.17	---	0.16	0.19	0.20	0.42	0.29	0.15	0.27
30	0.94	e0.26	0.35	0.51	---	0.26	0.18	0.19	0.46	0.57	0.14	0.25
31	0.35	---	0.36	0.38	---	0.18	---	0.26	---	0.06	4.3	---
TOTAL	10.14	12.35	17.90	7.20	13.20	10.12	9.92	6.80	13.68	11.40	17.97	9.69
MEAN	0.33	0.41	0.58	0.23	0.47	0.33	0.33	0.13	0.24	0.20	0.31	0.18
MAX	4.2	1.6	1.8	0.91	1.7	1.8	1.9	0.66	1.5	4.3	4.6	0.82
MIN	0.02	0.08	0.26	0.11	0.09	0.14	0.14	0.11	0.15	0.06	0.06	0.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

MEAN	0.33	0.41	0.58	0.23	0.47	0.33	0.33	0.13	0.24	0.20	0.31	0.18
MAX	0.33	0.41	0.58	0.23	0.47	0.33	0.33	0.22	0.46	0.37	0.58	0.32
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)
MIN	0.33	0.41	0.58	0.23	0.47	0.33	0.33	0.032	0.020	0.024	0.043	0.036
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 2002 - 2003

ANNUAL TOTAL								140.37				
ANNUAL MEAN								0.38			0.38	
HIGHEST ANNUAL MEAN											0.38	2003
LOWEST ANNUAL MEAN											0.38	2003
HIGHEST DAILY MEAN				4.2	Oct 11			4.6	Aug 8		4.6	Aug 8, 2003
LOWEST DAILY MEAN				0.01	Jun 18			0.02	Oct 7		0.01	Jun 18, 2002
ANNUAL SEVEN-DAY MINIMUM				0.01	Jun 29			0.03	Oct 4		0.01	Jun 29, 2002
MAXIMUM PEAK FLOW								60	Aug 8		60	Aug 8, 2003
MAXIMUM PEAK STAGE								2.48	Aug 8		2.48	Aug 8, 2003
INSTANTANEOUS LOW FLOW								0.01	Oct 9		0.01*	May 31, 2002
10 PERCENT EXCEEDS								0.73			0.73	
50 PERCENT EXCEEDS								0.24			0.24	
90 PERCENT EXCEEDS								0.11			0.11	

e Estimated.

* See REMARKS.

0208762750 UNNAMED TRIB TO SWIFT CREEK NEAR YATES MILL POND, NC—Continued

