

0209173190 UNNAMED TRIBUTARY TO SANDY RUN NEAR LIZZIE, NC

LOCATION.--Lat 35°31'31", long 77°33'46", Greene County, Hydrologic Unit 03020203, approximately 6.0 mi south of Farmville.

DRAINAGE AREA.-- Approximately 0.57 mi².

PERIOD OF RECORD.--April 1999 to September 2001, June 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 48.50 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records poor. Station operated in cooperation with the U.S. Environmental Protection Agency and the North Carolina Department of Environment and Natural Resources to monitor water quality changes in an agricultural watershed. Maximum discharge for period of record from rating curve extended above 10 ft³/s by logarithmic plotting. No flow occurs on many days during most years. Discharge for period Oct. 2001 to May 2002 not published due to beaver activity affecting the accuracy of the data.

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	0.04	0.01	0.16	0.28	0.31	0.64	0.40	0.20	0.02	0.02	0.38	0.00
2	0.03	0.01	0.13	0.25	0.28	0.46	1.4	0.18	0.06	0.01	0.10	0.00
3	0.02	0.01	0.12	0.22	0.30	0.38	0.92	0.19	0.04	0.01	0.04	0.00
4	0.05	0.01	0.10	0.21	0.34	0.33	0.58	0.18	0.04	0.01	0.02	0.00
5	0.03	0.02	0.09	0.19	0.30	0.30	0.44	0.21	0.02	0.13	0.01	0.00
6	0.02	0.01	0.08	0.18	0.26	0.27	0.37	4.0	0.06	0.04	0.01	0.00
7	0.02	0.01	0.09	0.16	0.25	0.25	0.37	2.6	0.08	0.01	0.02	0.00
8	0.02	0.01	0.10	0.15	0.23	0.30	0.54	1.0	0.12	0.00	0.01	0.00
9	0.02	0.01	0.15	0.14	0.23	0.26	0.43	0.53	0.03	0.00	2.3	0.00
10	0.01	0.01	0.23	0.14	0.21	0.24	0.33	0.42	0.03	0.00	0.37	0.00
11	0.01	0.01	0.20	0.12	0.17	0.23	0.28	0.32	0.03	0.00	0.14	0.00
12	0.01	0.11	0.15	0.12	0.16	0.21	0.26	0.21	0.02	0.00	0.07	0.00
13	0.02	0.56	0.14	0.11	0.15	0.18	1.9	0.29	0.02	0.00	0.04	0.00
14	0.02	0.15	0.11	1.7	0.17	0.32	2.9	0.21	0.02	0.01	0.02	0.15
15	0.03	0.09	0.09	0.70	0.18	0.27	1.2	0.16	0.01	0.01	0.02	0.02
16	0.02	0.07	0.09	0.50	0.18	0.94	0.74	0.16	0.01	0.00	0.01	0.01
17	0.02	0.06	0.09	0.40	0.18	3.6	0.53	0.12	0.00	0.01	0.16	0.00
18	0.01	0.05	0.09	0.33	0.15	1.8	0.43	0.08	0.00	0.01	0.03	0.00
19	0.07	0.04	0.09	0.31	0.16	1.0	0.35	0.09	0.00	0.00	0.02	0.00
20	0.05	0.03	0.08	0.30	0.15	1.2	0.35	0.08	0.00	0.00	0.02	0.00
21	0.03	0.02	0.08	0.29	0.17	0.86	0.26	0.09	0.00	0.00	0.02	0.00
22	0.02	0.01	0.08	0.29	0.15	0.67	0.26	0.07	0.00	0.00	0.01	0.00
23	0.02	0.29	0.12	0.26	0.15	3.4	0.30	0.05	0.00	0.01	0.00	0.00
24	0.01	0.23	0.10	0.23	0.54	2.2	0.20	0.03	0.00	0.00	0.00	0.00
25	0.01	0.18	0.08	0.23	0.39	1.1	0.22	0.04	0.00	0.00	0.00	0.00
26	0.01	0.13	0.17	0.22	0.31	0.80	0.25	0.04	0.00	0.00	0.00	0.00
27	0.01	0.11	0.16	0.19	0.28	0.65	0.26	0.04	0.00	0.00	0.00	0.00
28	0.01	0.29	0.16	0.17	0.88	0.68	0.22	0.02	0.18	0.00	0.00	0.00
29	0.01	0.20	0.25	0.17	---	0.59	0.24	0.02	0.32	0.04	0.00	0.00
30	0.01	0.17	0.36	0.50	---	0.47	0.22	0.02	0.03	0.07	0.00	0.00
31	0.01	---	0.32	0.38	---	0.42	---	0.02	---	1.4	0.00	---
TOTAL	0.67	2.91	4.26	9.44	7.23	25.02	17.15	11.67	1.14	1.79	3.82	0.18
MEAN	0.02	0.10	0.14	0.30	0.26	0.81	0.57	0.38	0.04	0.06	0.12	0.01
MAX	0.07	0.56	0.36	1.7	0.88	3.6	2.9	4.0	0.32	1.4	2.3	0.15
MIN	0.01	0.01	0.08	0.11	0.15	0.18	0.20	0.02	0.00	0.00	0.00	0.00
CFSM	0.04	0.17	0.24	0.53	0.45	1.42	1.00	0.66	0.07	0.10	0.22	0.01
IN.	0.04	0.19	0.28	0.62	0.47	1.63	1.12	0.76	0.07	0.12	0.25	0.01

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

MEAN	0.60	0.40	0.49	0.24	0.57	0.77	0.42	0.61	0.22	0.16	0.47	2.45
MAX	2.06	0.80	1.28	0.30	1.04	1.49	1.06	2.60	1.13	0.62	2.39	15.4
(WY)	(2000)	(2004)	(2004)	(2005)	(2003)	(2003)	(2003)	(2003)	(2001)	(2003)	(2003)	(1999)
MIN	0.02	0.05	0.09	0.13	0.20	0.30	0.11	0.08	0.02	0.01	0.00	0.00
(WY)	(2005)	(2001)	(2001)	(2001)	(2001)	(2000)	(2004)	(2001)	(2004)	(2000)	(2002)	(2002)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1999 - 2005 [@]	
ANNUAL TOTAL	82.29		85.28		0.48	
ANNUAL MEAN	0.22		0.23		1.01	
HIGHEST ANNUAL MEAN					2003	
LOWEST ANNUAL MEAN					2005	
HIGHEST DAILY MEAN	8.9	Aug 14	4.0	May 6	283	Sep 16, 1999
LOWEST DAILY MEAN	0.00	Jun 3	0.00	Jun 17	0.00	Jun 10, 1999
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 9	0.00	Jun 17	0.00	Jul 30, 1999
MAXIMUM PEAK FLOW			29	Aug 9	500	Sep 16, 1999
MAXIMUM PEAK STAGE			2.21	Aug 9	5.18	Sep 16, 1999
INSTANTANEOUS LOW FLOW			0.00*	Jun 17	0.00*	Jun 10, 1999
ANNUAL RUNOFF (CFSM)	0.394		0.410		0.842	
ANNUAL RUNOFF (INCHES)	5.37		5.57		11.44	
10 PERCENT EXCEEDS	0.44		0.50		0.95	
50 PERCENT EXCEEDS	0.08		0.09		0.16	
90 PERCENT EXCEEDS	0.01		0.00		0.01	

[@] See PERIOD OF RECORD.

* See REMARKS.

