

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.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1999 to current year.

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

REMARKS.--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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.03	e0.15	e0.65	e0.21	1.5	0.42	0.20	e1.1	0.02	0.07	0.09
2	0.00	0.03	e0.15	e0.60	e0.18	1.5	0.38	0.19	e1.1	5.7	0.06	0.07
3	0.00	0.02	e0.15	e0.50	e0.19	1.1	0.35	0.16	e0.90	4.7	0.04	0.06
4	0.00	0.03	e0.10	e0.42	0.27	0.85	0.31	0.16	e0.70	1.1	0.18	0.67
5	0.00	0.03	3.0	e0.37	0.16	0.85	0.28	0.15	e0.50	0.50	2.1	0.49
6	0.00	0.07	2.0	e0.35	0.12	5.4	0.21	5.6	e0.40	0.29	6.2	0.25
7	0.00	e0.02	e1.2	e0.30	1.00	2.9	0.62	1.7	e0.30	0.20	6.0	0.21
8	0.00	0.02	e0.85	e0.26	0.55	1.8	0.68	0.78	e0.30	0.13	5.2	0.19
9	0.00	0.02	e0.60	e0.24	0.42	1.3	5.1	1.3	e0.30	0.09	3.4	0.18
10	0.00	0.02	e0.45	e0.22	1.6	0.93	7.5	1.9	e0.30	0.14	19	0.17
11	1.7	0.03	e0.45	e0.20	1.00	0.76	4.2	0.76	e0.20	0.36	7.4	0.16
12	0.17	2.6	e0.45	e0.19	0.66	0.70	2.3	0.41	e0.20	0.75	2.9	0.17
13	0.06	e2.4	3.0	e0.19	0.50	0.65	1.3	0.28	e0.10	0.47	1.7	0.19
14	e0.04	e0.80	2.8	e0.18	0.42	0.61	0.83	0.23	e0.10	0.94	1.6	0.17
15	e0.02	0.59	e1.2	e0.18	0.41	0.54	0.64	0.20	e0.10	0.62	1.1	0.13
16	e0.02	0.84	e0.60	e0.18	2.9	0.67	0.51	0.23	e0.08	0.38	4.5	0.08
17	e0.01	3.3	0.44	e0.27	4.5	0.83	0.42	0.20	e0.06	0.27	3.9	0.06
18	0.01	1.8	0.43	e0.25	2.1	0.71	0.39	0.22	e0.08	0.23	3.2	10
19	0.01	1.1	0.41	e0.23	1.3	0.57	0.43	5.1	e0.10	0.19	1.5	4.1
20	0.01	0.76	1.0	e0.21	1.0	4.6	0.36	2.0	e0.08	0.15	0.97	1.5
21	0.02	0.68	0.99	e0.19	0.84	7.5	0.44	0.97	e0.07	0.11	0.69	0.86
22	0.02	0.70	0.50	e0.18	1.1	3.1	0.65	0.50	e0.05	0.14	0.53	0.64
23	0.02	e0.60	0.41	e0.16	1.5	1.7	0.47	7.0	e0.03	0.52	0.43	0.98
24	0.02	e0.45	0.56	e0.15	0.84	1.1	0.42	e3.6	e0.02	0.34	0.35	0.74
25	0.02	e0.35	0.75	e0.15	0.66	0.86	0.45	e3.5	e0.02	0.21	0.28	0.55
26	0.02	e0.30	e0.60	e0.14	0.56	0.70	0.58	e15	e0.05	0.16	0.23	0.44
27	0.02	e0.25	e0.50	e0.13	1.4	0.57	0.53	e15	0.02	0.12	0.19	0.47
28	0.03	e0.20	e0.42	e0.13	2.8	0.49	0.39	e8.3	0.02	0.10	0.15	0.79
29	0.05	e0.20	e0.37	e0.13	---	0.46	0.37	e2.7	0.02	0.10	0.13	0.64
30	0.06	0.22	e0.32	0.17	---	0.50	0.24	e1.3	0.02	0.14	0.11	0.45
31	0.04	---	e0.30	e0.25	---	0.51	---	e1.0	---	0.10	0.09	---
TOTAL	2.37	18.46	25.15	7.77	29.19	46.26	31.77	80.64	7.32	19.27	74.20	25.50
MEAN	0.076	0.62	0.81	0.25	1.04	1.49	1.06	2.60	0.24	0.62	2.39	0.85
MAX	1.7	3.3	3.0	0.65	4.5	7.5	7.5	15	1.1	5.7	19	10
MIN	0.00	0.02	0.10	0.13	0.12	0.46	0.21	0.15	0.02	0.02	0.04	0.06
CFSM	0.13	1.08	1.42	0.44	1.83	2.62	1.86	4.56	0.43	1.09	4.20	1.49
IN.	0.15	1.20	1.64	0.51	1.91	3.02	2.07	5.26	0.48	1.26	4.84	1.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003*, BY WATER YEAR (WY)

MEAN	0.74	0.37	0.35	0.22	0.60	0.91	0.47	0.75	0.30	0.20	0.53	3.41
MAX	2.06	0.62	0.81	0.28	1.04	1.49	1.06	2.60	1.13	0.62	2.39	15.4
(WY)	(2000)	(2003)	(2003)	(2000)	(2003)	(2003)	(2003)	(2003)	(2001)	(2003)	(2003)	(1999)
MIN	0.076	0.051	0.087	0.13	0.20	0.30	0.18	0.080	0.018	0.009	0.000	0.000
(WY)	(2003)	(2001)	(2001)	(2001)	(2001)	(2000)	(1999)	(2001)	(2000)	(2000)	(2002)	(2002)

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SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 1999 - 2003*	
ANNUAL TOTAL	67.90			
ANNUAL MEAN	1.01		0.57	
HIGHEST ANNUAL MEAN			1.01	2003
LOWEST ANNUAL MEAN			0.31	2001
HIGHEST DAILY MEAN	19	Aug 10	283	Sep 16, 1999
LOWEST DAILY MEAN	0.00	Oct 1	0.00	Jun 10, 1999
ANNUAL SEVEN-DAY MINIMUM	0.00	Oct 1	0.00	Jul 30, 1999
MAXIMUM PEAK FLOW	16	Aug 10	500	Sep 16, 1999
MAXIMUM PEAK STAGE	3.19	Aug 10	5.18	Sep 16, 1999
INSTANTANEOUS LOW FLOW	0.00*	Oct 1	0.00*	Jun 10, 1999
ANNUAL RUNOFF (CFSM)	1.77		1.01	
ANNUAL RUNOFF (INCHES)	24.01		13.69	
10 PERCENT EXCEEDS	2.8		1.1	
50 PERCENT EXCEEDS	0.41		0.17	
90 PERCENT EXCEEDS	0.03		0.02	

e Estimated
 * See REMARKS.

