

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 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.--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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.38	1.1	0.32	0.35	0.28	0.79	0.10	0.19	0.01	e0.04	0.01	0.22
2	0.33	0.86	0.29	0.33	0.26	0.64	0.08	0.55	0.01	0.05	0.17	0.09
3	0.30	0.69	0.29	0.32	0.40	0.52	0.07	4.2	0.00	0.05	0.04	0.05
4	0.30	0.59	0.34	0.32	0.39	0.45	0.06	2.0	0.05	0.02	0.02	0.04
5	0.25	1.0	0.53	0.31	0.34	0.39	0.08	0.80	0.02	0.02	0.01	0.04
6	0.23	2.5	0.40	0.30	0.32	0.36	0.07	0.44	0.01	0.01	0.01	0.05
7	0.21	3.3	0.34	0.26	0.31	0.44	0.05	0.27	0.02	0.01	0.01	0.07
8	0.23	1.6	0.31	0.26	0.24	0.61	0.05	0.16	0.01	0.01	0.00	0.09
9	0.87	1.1	0.29	0.29	0.23	0.47	0.07	0.11	0.00	0.00	0.00	0.11
10	0.65	0.85	2.7	0.28	0.23	0.48	0.12	0.06	0.00	0.00	0.00	0.05
11	0.54	0.72	5.1	0.25	0.21	0.50	0.09	0.03	0.00	0.00	0.00	0.03
12	0.45	0.62	2.0	0.27	0.78	0.47	0.30	0.16	0.00	0.00	0.00	0.03
13	0.37	0.52	1.2	0.27	0.84	0.35	0.33	0.13	0.00	0.00	0.06	0.02
14	0.43	0.43	6.5	0.26	0.83	0.29	0.29	0.08	0.00	0.00	8.9	0.02
15	0.50	0.41	3.9	0.25	1.4	0.31	0.22	0.07	0.00	0.00	3.1	0.03
16	0.36	0.38	2.2	0.21	2.5	0.66	0.16	0.06	0.00	0.00	1.7	0.02
17	0.31	0.35	2.5	0.20	2.1	e0.50	0.13	0.04	0.01	0.00	0.71	0.11
18	0.29	0.34	1.9	0.27	1.7	0.24	0.08	0.04	0.03	0.00	0.41	0.22
19	0.26	0.93	1.3	0.24	1.2	0.24	0.06	0.05	0.04	0.00	0.27	0.14
20	0.23	1.1	0.99	0.21	0.87	0.20	0.04	0.02	0.01	0.01	0.17	0.08
21	0.22	0.71	0.78	0.20	0.68	0.20	0.04	0.02	0.00	0.00	0.11	0.05
22	0.19	0.56	0.70	0.20	0.52	0.16	0.04	0.02	0.00	0.00	0.16	0.04
23	0.17	0.48	0.63	0.18	0.45	0.14	0.03	0.04	0.00	0.03	0.09	0.03
24	0.15	0.46	0.80	0.16	0.43	0.14	0.06	0.05	0.01	0.02	0.05	0.03
25	0.16	0.43	0.69	0.16	0.37	0.13	0.06	0.02	0.01	0.01	0.05	0.02
26	0.18	0.40	0.57	0.21	0.42	e0.12	0.11	0.02	0.02	0.01	0.09	0.02
27	0.18	0.38	0.50	0.25	2.3	0.10	0.22	0.01	0.02	0.00	e0.10	0.03
28	0.50	0.39	0.45	0.33	1.7	0.10	0.12	0.01	0.13	0.00	e0.08	0.10
29	10	0.36	0.43	0.34	1.1	0.11	0.11	0.01	0.05	0.00	0.06	0.04
30	3.1	0.34	0.41	0.38	---	0.14	0.12	0.02	0.06	0.00	0.14	0.04
31	1.7	---	0.36	0.33	---	0.14	---	0.02	---	0.01	0.16	---
TOTAL	24.04	23.90	39.72	8.19	23.40	10.39	3.36	9.70	0.52	0.30	16.68	1.91
MEAN	0.78	0.80	1.28	0.26	0.81	0.34	0.11	0.31	0.02	0.01	0.54	0.06
MAX	10	3.3	6.5	0.38	2.5	0.79	0.33	4.2	0.13	0.05	8.9	0.22
MIN	0.15	0.34	0.29	0.16	0.21	0.10	0.03	0.01	0.00	0.00	0.00	0.02
CFSM	1.36	1.40	2.25	0.46	1.42	0.59	0.20	0.55	0.03	0.02	0.94	0.11
IN.	1.57	1.56	2.59	0.53	1.53	0.68	0.22	0.63	0.03	0.02	1.09	0.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, @ BY WATER YEAR (WY)

MEAN	0.75	0.47	0.58	0.23	0.65	0.76	0.40	0.66	0.25	0.17	0.53	2.86
MAX	2.06	0.80	1.28	0.28	1.04	1.49	1.06	2.60	1.13	0.62	2.39	15.4
(WY)	(2000)	(2004)	(2004)	(2000)	(2003)	(2003)	(2003)	(2003)	(2001)	(2003)	(2003)	(1999)
MIN	0.08	0.05	0.09	0.13	0.20	0.30	0.11	0.08	0.02	0.01	0.00	0.00
(WY)	(2003)	(2001)	(2001)	(2001)	(2001)	(2000)	(2004)	(2001)	(2004)	(2000)	(2002)	(2002)

0209173190 UNNAMED TRIBUTARY TO SANDY RUN NEAR LIZZIE, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004 [@]	
ANNUAL TOTAL	409.58		162.11		0.54	
ANNUAL MEAN	1.12		0.44		1.01	
HIGHEST ANNUAL MEAN					0.31	
LOWEST ANNUAL MEAN					2001	
HIGHEST DAILY MEAN	19	Aug 10	10	Oct 29	283	Sep 16, 1999
LOWEST DAILY MEAN	0.02	Jun 24	0.00	Jun 3	0.00	Jun 10, 1999
ANNUAL SEVEN-DAY MINIMUM	0.02	Jun 24	0.00	Jun 9	0.00	Jul 30, 1999
MAXIMUM PEAK FLOW			93	Aug 14	500	Sep 16, 1999
MAXIMUM PEAK STAGE			3.00	Aug 14	5.18	Sep 16, 1999
INSTANTANEOUS LOW FLOW			0.00*	Jun 2	0.00*	Jun 10, 1999
ANNUAL RUNOFF (CFSM)	1.97		0.777		0.950	
ANNUAL RUNOFF (INCHES)	26.73		10.58		12.90	
10 PERCENT EXCEEDS	2.9		0.87		1.1	
50 PERCENT EXCEEDS	0.44		0.19		0.18	
90 PERCENT EXCEEDS	0.13		0.01		0.01	

[@] See PERIOD OF RECORD.

* See REMARKS.

e Estimated.

