

0209173150 UNNAMED TRIBUTARY TO SANDY RUN AT SECONDARY ROAD 1335 NEAR LIZZIE, NC

Neuse Basin
Contentnea Subbasin

LOCATION.--Lat 35°31'03", long 77°33'52" referenced to North American Datum of 1927, Greene County, NC, Hydrologic Unit 03020203, at Secondary Road 1335, approximately 6.0 mi south of Farmville.

DRAINAGE AREA.--0.34 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 2006 to current year.

GAGE.--Water-stage recorder. Datum of gage is 55.5 above National Geodetic Vertical Datum of 1929.

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. No flow occurred on many days during the period. Missing daily mean discharge values during the period February 2008 to April 2008 are due to the gage height record exceeding the gage height/discharge rating. Missing daily mean discharge values for the period May 21, 2008 to September 30, 2008 are due to an undefined gage height/discharge relationship. The maximum discharge for the period of record was not determined.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.000	0.000	0.000	0.067	0.053	0.193	0.188	0.111	---	---	---	---
2	0.000	0.000	0.000	0.058	0.041	0.157	0.133	0.083	---	---	---	---
3	0.000	0.000	0.000	0.038	0.039	0.137	0.100	0.060	---	---	---	---
4	0.000	0.000	0.000	0.031	0.037	0.174	0.250	0.062	---	---	---	---
5	0.000	0.000	0.000	0.027	0.040	---	---	0.044	---	---	---	---
6	0.000	0.000	0.000	0.021	0.034	0.336	---	0.027	---	---	---	---
7	0.000	0.000	0.000	0.017	0.030	---	0.818	0.023	---	---	---	---
8	0.000	0.000	0.000	0.018	0.027	0.946	0.558	0.021	---	---	---	---
9	0.000	0.000	0.000	0.019	0.027	0.596	0.435	0.014	---	---	---	---
10	0.000	0.000	0.000	0.019	0.023	0.452	0.379	0.008	---	---	---	---
11	0.000	0.000	0.000	0.013	0.020	0.404	0.306	0.031	---	---	---	---
12	0.000	0.000	0.000	0.007	0.021	0.375	0.270	0.052	---	---	---	---
13	0.000	0.000	0.000	0.007	0.722	0.347	0.264	0.033	---	---	---	---
14	0.000	0.000	0.000	0.009	0.438	0.365	0.157	0.013	---	---	---	---
15	0.000	0.000	0.017	0.010	0.283	---	0.103	0.002	---	---	---	---
16	0.000	0.000	0.121	0.012	0.266	0.723	0.064	0.013	---	---	---	---
17	0.000	0.000	0.002	0.015	0.275	0.340	0.049	0.013	---	---	---	---
18	0.000	0.000	0.001	0.012	---	0.282	0.035	0.015	---	---	---	---
19	0.000	0.000	0.001	0.026	0.431	0.266	0.026	0.015	---	---	---	---
20	0.000	0.000	0.001	0.034	0.292	0.253	---	0.062	---	---	---	---
21	0.000	0.000	0.001	0.027	0.254	0.195	0.552	---	---	---	---	---
22	0.000	0.000	0.001	0.029	1.2	0.178	0.335	---	---	---	---	---
23	0.000	0.000	0.004	0.034	0.602	0.119	0.264	---	---	---	---	---
24	0.000	0.000	0.002	0.037	0.395	0.094	0.221	---	---	---	---	---
25	0.000	0.000	0.002	0.032	0.296	0.081	0.160	---	---	---	---	---
26	0.000	0.000	0.317	0.030	0.368	0.087	0.086	---	---	---	---	---
27	0.136	0.000	0.054	0.024	0.321	0.084	0.120	---	---	---	---	---
28	0.005	0.000	0.030	0.024	0.229	0.070	0.397	---	---	---	---	---
29	0.001	0.000	0.022	0.027	0.198	0.055	0.296	---	---	---	---	---
30	0.000	0.000	0.145	0.027	---	0.080	0.186	---	---	---	---	---
31	0.000	---	0.095	0.023	---	0.141	---	---	---	---	---	---
Total	0.142	0.000	0.816	0.774	6.962	7.530	6.752	0.702	---	---	---	---
Mean	0.00	0.00	0.03	0.02	0.25	0.27	0.25	0.04	---	---	---	---
Max	0.136	0.000	0.317	0.067	1.2	0.946	0.818	0.111	---	---	---	---
Min	0.000	0.000	0.000	0.007	0.020	0.055	0.026	0.002	---	---	---	---
Cfsm	0.01	0.00	0.08	0.07	0.73	0.79	0.74	0.10	---	---	---	---
In.	0.02	0.00	0.09	0.08	0.76	0.82	0.74	0.08	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2006 - 2008^a, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.05	0.25	0.17	0.11	0.20	0.19	0.16	0.05	0.15	0.10	0.05	0.10
Max	0.10	0.54	0.32	0.20	0.25	0.27	0.25	0.10	0.26	0.17	0.09	0.21
(WY)	(2007)	(2007)	(2007)	(2007)	(2008)	(2008)	(2008)	(2006)	(2006)	(2006)	(2006)	(2006)
Min	0.00	0.00	0.03	0.02	0.16	0.12	0.08	0.02	0.05	0.01	0.00	0.00
(WY)	(2008)	(2008)	(2008)	(2008)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2007	Water Year 2008	Water Years 2006 - 2008 ^a
Annual total	19.443	23.678	
Annual mean	0.06	0.10	0.13
Highest annual mean			0.17 2006
Lowest annual mean			0.10 2008
Highest daily mean	0.860 Feb 2	1.2 Feb 22	2.8 Dec 26, 2006
Lowest daily mean	0.000 Aug 5	0.000 Oct 1	0.000 Aug 5, 2007
Annual seven-day minimum	0.000 Aug 28	0.000 Oct 1	0.000 Aug 28, 2007
Maximum peak flow		^b NOT DETERMINED	^b NOT DETERMINED
Maximum peak stage		5.04 Feb 18	8.17 Sep 1, 2006
Instantaneous low flow		^b 0.000 Oct 1	^b 0.000 Aug 4, 2007
Annual runoff (cfs)	0.162	0.308	0.381
Annual runoff (inches)	2.13	2.59	5.18
10 percent exceeds	0.160	0.337	0.355
50 percent exceeds	0.009	0.024	0.035
90 percent exceeds	0.000	0.000	0.000

^aSee Period of Record.^bSee Remarks.