

Water-Data Report 2012

02086624 KMAP OF REEDS CREEK NEAR BUTNER, NC

Neuse Basin
Upper Neuse Subbasin

LOCATION.--Lat 36°07'40", long 78°47'55" referenced to North American Datum of 1927, Granville County, NC, Hydrologic Unit 03020201, on left bank, 1.5 mi downstream of bridge on Secondary Road 1120, 2.3 mi west of Butner, and 2.5 mi upstream from mouth.

DRAINAGE AREA.--43 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1982 to September 1995, February 2006 to current year.

GAGE.--Water-stage recorder. Datum of gage is 254.56 ft above North American Vertical Datum of 1988. Satellite telemetry at streamgage.

REMARKS.--No estimated daily discharges. Records fair. Some diurnal fluctuation at low flow. Minimum discharge for current water year also occurred September 19.

Water-Data Report 2012

02086624 KMAP OF REEDS CREEK NEAR BUTNER, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.0	10	9.5	5.3	6.8	21	17	7.3	3.2	1.6	2.9	3.9
2	3.1	4.8	6.6	5.6	9.6	18	14	5.8	3.7	1.9	3.0	3.5
3	3.5	4.1	5.1	5.0	7.2	180	9.2	4.6	1.9	1.8	3.0	50
4	3.2	101	4.7	4.6	6.1	97	7.8	3.1	2.0	1.7	2.6	58
5	2.8	16	4.7	4.9	12	44	10	17	2.0	1.7	2.7	15
6	2.7	5.7	4.1	4.4	13	29	9.7	163	1.8	1.8	3.0	8.3
7	2.7	4.4	13	4.3	11	26	6.4	37	1.6	1.9	3.4	15
8	2.5	3.8	31	3.8	8.3	28	4.6	20	2.0	1.6	8.4	6.1
9	2.4	3.4	8.4	4.4	10	25	3.8	14	1.6	1.6	13	6.5
10	2.6	3.2	5.3	4.8	14	23	4.1	18	1.7	3.0	12	4.4
11	2.7	3.1	4.1	6.8	8.1	19	7.2	11	2.3	27	83	3.8
12	2.9	3.5	3.7	20	7.9	15	4.2	5.9	7.5	15	29	3.8
13	3.4	3.5	3.7	9.8	5.2	13	3.7	4.4	24	5.4	8.7	3.3
14	3.1	3.8	3.5	6.6	5.1	12	3.6	11	3.5	6.3	5.0	3.2
15	2.6	4.1	3.4	5.5	17	8.6	3.7	24	2.7	6.9	4.2	2.9
16	2.5	5.5	3.4	4.8	21	8.0	4.4	16	1.9	3.7	3.2	3.7
17	3.1	38	19	4.9	13	7.7	3.7	12	1.7	3.4	2.9	4.3
18	2.9	16	6.7	5.1	6.2	7.2	3.1	6.9	1.7	12	2.5	29
19	48	6.3	4.6	4.8	10	16	3.1	3.8	1.7	7.6	71	243
20	13	5.2	4.1	4.4	47	22	3.1	3.4	1.6	3.3	24	42
21	4.7	4.5	30	9.8	44	42	2.7	3.1	1.6	3.2	8.8	23
22	3.6	4.4	42	10	32	33	24	3.1	4.2	8.4	5.2	12
23	3.1	7.3	29	7.2	32	26	16	20	6.7	4.9	4.1	7.3
24	3.0	5.0	14	6.5	37	49	6.0	5.4	2.1	8.5	3.6	5.3
25	3.0	4.1	8.5	6.0	53	343	4.6	5.0	1.9	4.0	8.7	4.1
26	3.0	3.7	7.2	5.3	30	113	39	2.9	1.4	3.5	4.7	3.7
27	3.1	3.5	12	26	25	48	51	2.5	1.8	4.6	3.8	3.6
28	3.1	3.7	18	17	25	30	25	2.1	1.7	8.9	3.6	3.5
29	15	61	9.1	9.2	21	26	16	2.4	1.6	5.0	82	7.4
30	6.7	22	6.9	8.3	---	20	11	2.8	1.5	4.1	9.8	5.7
31	4.3	---	6.0	7.3	---	18	---	2.5	---	3.4	5.1	---
Total	165.3	364.6	331.3	232.4	537.5	1,367.5	321.7	440.0	94.6	167.7	426.9	585.3
Mean	5.33	12.2	10.7	7.50	18.5	44.1	10.7	14.2	3.15	5.41	13.8	19.5
Max	48	101	42	26	53	343	51	163	24	27	83	243
Min	2.4	3.1	3.4	3.8	5.1	7.2	2.7	2.1	1.4	1.6	2.5	2.9
Cfsm	0.12	0.28	0.25	0.17	0.43	1.03	0.25	0.33	0.07	0.13	0.32	0.45
In.	0.14	0.32	0.29	0.20	0.47	1.18	0.28	0.38	0.08	0.15	0.37	0.51

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2012^a, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	14.8	29.1	41.4	56.5	65.6	94.2	55.3	30.9	17.9	20.8	15.2	9.79
Max	105	147	136	164	170	253	190	109	151	166	113	65.8
(WY)	(1990)	(1986)	(2010)	(1991)	(1983)	(1993)	(1993)	(1989)	(1995)	(1989)	(1989)	(2008)
Min	3.65	3.72	4.99	4.97	7.31	6.57	5.83	5.33	2.41	2.12	3.04	2.44
(WY)	(1985)	(2008)	(2011)	(2011)	(2011)	(2006)	(1995)	(1986)	(1986)	(1985)	(1993)	(1984)

02086624 KMAP OF REEDS CREEK NEAR BUTNER, NC—Continued**SUMMARY STATISTICS**

	Calendar Year 2011	Water Year 2012	Water Years 1983 - 2012^a
Annual total	3,608.3	5,034.8	
Annual mean	9.89	13.8	38.1
Highest annual mean			78.9
Lowest annual mean			9.10
Highest daily mean	142	Apr 17	343 Mar 25
Lowest daily mean	1.9	Jul 23	1.4 Jun 26
Annual seven-day minimum	2.3	Aug 2	1.6 Jun 25
Maximum peak flow			b457 Mar 25
Maximum peak stage			6.29 Mar 25
Instantaneous low flow			0.25 Jun 11
Annual runoff (cfsm)	0.230	0.320	0.887
Annual runoff (inches)	3.12	4.36	12.05
10 percent exceeds	22	29	67
50 percent exceeds	4.6	5.3	7.6
90 percent exceeds	2.7	2.5	2.9

^a See Period of Record.

b See Remarks.

