



Water-Data Report 2008

**02094500 REEDY FORK NEAR GIBSONVILLE, NC**

Cape Fear Basin  
Haw Subbasin

LOCATION.--Lat 36°10'23", long 79°36'51" referenced to North American Datum of 1983, Guilford County, NC, Hydrologic Unit 03030002, on right bank 0.2 mi downstream from Huffines Mill on Secondary Road 2719, 1.2 mi upstream from Buffalo Creek, and 6 mi northwest of Gibsonville.

DRAINAGE AREA.--131 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--September 1928 to current year.

REVISED RECORDS.--WSP 1303: 1929-40 (monthly and yearly runoff). WSP 1383: 1929-30, 1933(M), 1934, 1937(M), 1939-42(M), 1948. WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder and rock-masonry control. Datum of gage is 626.88 ft above National Geodetic Vertical Datum of 1929. Satellite telemetry at station.

REMARKS.--Records poor. Flow regulated since 1923 by Lake Brandt, 14 mi upstream; since 1957 by Lake Higgins on Brush Creek, a tributary to Lake Brandt; since 1943 by Richland Lake 12 mi. upstream from station; and since 1968 by Lake Townsend, 9 mi upstream from station. City of Greensboro diverted a daily average of 18.0 ft<sup>3</sup>/s from Lake Brandt and a daily average of 22.8 ft<sup>3</sup>/s from Lake Townsend for municipal water supply. Prior to regulation, maximum discharge: 11,600 ft<sup>3</sup>/s, September 25, 1947; gage height: 20.77 ft; minimum discharge not determined. No flow also occurred September 9-12, 2007.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1916 reached a stage of 17.90 ft, from information by local resident; discharge, 8,640 ft<sup>3</sup>/s.

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## 02094500 REEDY FORK NEAR GIBSONVILLE, NC—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**  
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.74	1.8	e1.9	e42	e45	11	170	119	34	25	4.1	3.3
2	0.62	1.5	e1.8	e22	e40	10	480	280	46	13	5.7	2.5
3	0.48	e1.4	e1.8	e15	23	9.7	44	30	31	8.6	9.1	1.9
4	0.38	e1.2	e1.8	e12	19	12	278	18	23	6.9	9.2	1.8
5	0.32	e1.0	e1.8	e11	23	64	932	14	15	6.9	7.8	1.7
6	0.24	e0.90	e1.8	e11	21	29	998	11	11	17	6.2	15
7	0.27	e0.80	e1.8	e10	15	25	795	8.7	9.2	15	4.8	9.5
8	0.32	e0.80	e1.8	e9.2	11	45	169	7.1	8.3	11	3.3	4.0
9	0.44	e0.70	e1.7	e8.2	8.8	31	50	157	6.9	21	2.5	2.8
10	0.55	e0.70	e1.9	e7.4	8.9	20	37	229	5.8	28	2.0	2.5
11	0.75	e0.70	e2.0	e9.9	8.4	16	46	42	5.5	14	1.8	2.9
12	0.92	e0.70	e1.9	e9.2	8.1	13	62	32	5.7	9.6	1.5	2.8
13	0.95	e0.80	e2.9	e8.2	12	13	42	22	6.3	7.9	1.3	2.7
14	0.85	e0.80	e2.5	e6.8	19	10	30	11	6.0	11	1.3	2.7
15	0.70	e1.0	7.2	e9.6	17	11	24	8.1	e5.9	12	1.0	2.6
16	0.58	e4.9	27	e14	14	28	19	8.7	e5.7	7.8	0.91	15
17	0.47	e2.5	6.9	e30	12	18	17	10	e5.9	6.5	0.80	18
18	0.34	e2.1	2.4	e51	12	14	18	9.4	37	5.8	0.65	6.2
19	0.39	e1.8	2.0	e33	12	13	17	15	18	5.9	0.52	4.0
20	0.41	e1.8	1.9	e18	9.4	22	31	12	12	6.3	0.38	3.3
21	1.1	e1.7	1.9	e14	8.6	18	87	17	8.2	6.1	0.36	2.8
22	2.3	e1.8	2.2	e9.5	8.6	13	111	7.2	13	6.1	0.58	2.7
23	2.6	e2.0	2.8	e8.5	9.4	12	88	6.8	82	7.5	0.82	2.5
24	4.5	e1.7	4.3	e9.5	9.6	12	76	6.7	13	9.3	0.89	2.3
25	19	e1.7	4.3	e9.5	9.8	11	66	6.1	7.0	9.9	0.81	1.9
26	117	e1.8	3.9	e8.5	13	9.5	55	6.2	4.6	9.2	1.1	8.5
27	251	e2.0	8.8	e7.8	22	9.0	50	8.5	3.6	9.0	658	42
28	12	e2.0	6.9	e7.0	15	9.3	478	13	3.3	8.6	663	22
29	3.8	2.3	24	e7.5	12	9.1	529	21	3.7	7.7	100	10
30	2.3	e2.1	41	e8.8	---	13	101	20	75	6.4	17	5.9
31	1.6	---	31	e8.5	---	16	---	17	---	4.9	6.3	---
<b>Total</b>	427.92	47.00	205.9	436.6	446.6	546.6	5,900	1,173.5	511.6	323.9	1,513.72	205.8
<b>Mean</b>	13.8	1.57	6.64	14.1	15.4	17.6	197	37.9	17.1	10.4	48.8	6.86
<b>Max</b>	251	4.9	41	51	45	64	998	280	82	28	663	42
<b>Min</b>	0.24	0.70	1.7	6.8	8.1	9.0	17	6.1	3.3	4.9	0.36	1.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2008<sup>a</sup>, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	47.7	50.3	87.8	156	142	165	141	86.3	63.1	58.5	42.4	77.5
<b>Max</b>	432	238	221	644	456	613	613	365	477	596	255	518
(WY)	(1991)	(2007)	(1973)	(1978)	(1979)	(1993)	(1987)	(1978)	(1982)	(1984)	(2003)	(1996)
<b>Min</b>	2.85	1.57	5.97	11.1	15.4	12.5	9.65	5.38	4.23	2.83	1.92	0.56
(WY)	(1969)	(2008)	(1969)	(1981)	(2008)	(2006)	(2002)	(2002)	(2002)	(1986)	(2002)	(2007)

**02094500 REEDY FORK NEAR GIBSONVILLE, NC—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2007</b>	<b>Water Year 2008</b>	<b>Water Years 1969 - 2008<sup>a</sup></b>
<b>Annual total</b>	15,988.18	11,739.14	
<b>Annual mean</b>	43.8	32.1	92.9
<b>Highest annual mean</b>			239
<b>Lowest annual mean</b>			15.6
<b>Highest daily mean</b>	1,550	Apr 16	5,230
<b>Lowest daily mean</b>	0.00	Sep 9	0.00
<b>Annual seven-day minimum</b>	0.01	Sep 6	0.01
<b>Maximum peak flow</b>		1,680	6,330
<b>Maximum peak stage</b>		6.86	15.65
<b>Instantaneous low flow</b>		NOT DETERMINED	0.00
<b>10 percent exceeds</b>	101	44	237
<b>50 percent exceeds</b>	5.4	8.6	21
<b>90 percent exceeds</b>	0.64	0.91	5.5

<sup>a</sup>Regulated period only (1969-2008). See Remarks.

