

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 mi².

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 ft³/s from Lake Brandt and a daily average of 22.8 ft³/s from Lake Townsend for municipal water supply. Prior to regulation, maximum discharge: 11,600 ft³/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 ft³/s.

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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	---
Total	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
Mean	13.8	1.57	6.64	14.1	15.4	17.6	197	37.9	17.1	10.4	48.8	6.86
Max	251	4.9	41	51	45	64	998	280	82	28	663	42
Min	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^a, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	47.7	50.3	87.8	156	142	165	141	86.3	63.1	58.5	42.4	77.5
Max	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)
Min	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)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1969 - 2008 ^a	
Annual total	15,988.18		11,739.14			
Annual mean	43.8		32.1		92.9	
Highest annual mean					239	2003
Lowest annual mean					15.6	2002
Highest daily mean	1,550	Apr 16	998	Apr 6	5,230	Sep 6, 1996
Lowest daily mean	0.00	Sep 9	0.24	Oct 6	0.00	Sep 9, 2007
Annual seven-day minimum	0.01	Sep 6	0.35	Oct 3	0.01	Sep 6, 2007
Maximum peak flow			1,680	Aug 27	6,330	Sep 6, 1996
Maximum peak stage			6.86	Aug 27	15.65	Sep 6, 1996
Instantaneous low flow			NOT DETERMINED		^a 0.00	Sep 8, 2007
10 percent exceeds	101		44		237	
50 percent exceeds	5.4		8.6		21	
90 percent exceeds	0.64		0.91		5.5	

^aRegulated period only (1969-2008). See Remarks.

