

Water-Data Report 2007

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 NGVD 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 20.9 ft³/s from Lake Brandt and a daily average of 28.6 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. Minimum discharge for current water year and for period of record also occurred September 9-12.

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 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	11	9.6	401	160	18	73	20	13	4.0	7.2	8.4	e0.65
2	9.7	9.9	233	325	20	698	20	12	3.9	6.4	8.4	0.43
3	8.4	13	43	40	64	696	17	11	9.0	5.2	5.6	e0.27
4	7.3	29	21	28	87	643	17	10	19	4.1	4.4	e0.09
5	6.9	46	17	175	81	449	16	11	12	3.4	3.5	0.05
6	6.7	45	17	536	31	50	15	12	8.1	3.3	2.8	0.02
7	6.2	66	18	79	19	32	16	9.8	5.9	3.2	2.2	0.02
8	9.7	468	17	640	16	336	17	8.4	5.3	3.2	2.0	0.01
9	9.1	310	16	123	15	42	17	8.5	4.9	3.3	1.6	0.00
10	4.7	36	16	57	32	219	17	10	4.5	3.0	1.4	0.00
11	3.3	19	18	140	67	72	21	10	15	2.8	1.3	0.00
12	4.1	69	19	138	62	25	138	8.9	6.5	2.4	1.0	0.03
13	5.3	39	20	135	33	21	55	8.6	4.2	2.5	0.79	0.41
14	4.7	45	16	132	276	19	34	8.7	3.7	2.9	e0.75	0.33
15	4.1	524	17	114	127	20	1,090	8.1	3.6	2.6	e0.65	0.49
16	5.2	428	16	64	108	265	1,550	7.1	4.3	2.1	e0.60	0.95
17	8.2	908	15	32	101	662	363	7.5	4.5	25	e0.55	0.97
18	54	405	14	21	124	380	43	8.5	4.0	79	e0.50	0.73
19	17	31	14	22	105	187	28	8.0	3.7	17	e0.45	0.61
20	9.9	19	14	63	37	36	23	7.0	3.5	9.3	e0.40	0.54
21	9.1	29	14	97	25	26	20	6.4	3.1	6.5	e1.0	0.52
22	9.7	1,480	43	126	31	26	18	5.7	2.7	5.4	e2.7	0.69
23	8.9	1,620	583	102	29	26	15	5.4	2.8	4.2	3.0	0.98
24	8.7	96	84	41	92	24	16	5.7	2.6	3.0	3.6	1.3
25	12	47	88	25	134	24	16	8.7	2.7	2.3	e3.9	1.3
26	9.2	64	339	21	127	22	14	7.8	2.8	2.0	e3.1	1.3
27	9.7	172	334	50	46	21	16	6.4	3.0	3.2	e2.7	1.3
28	30	37	39	100	29	21	19	5.4	9.4	4.5	e2.3	1.1
29	17	23	25	91	---	23	16	4.5	10	20	1.9	0.96
30	11	47	21	32	---	22	16	4.2	7.6	9.8	e1.4	0.82
31	10	---	19	19	---	21	---	4.0	---	11	e1.2	---
Total	330.8	7,134.5	2,551	3,728	1,936	5,181	3,683	252.3	176.3	259.8	74.09	16.87
Mean	10.7	238	82.3	120	69.1	167	123	8.14	5.88	8.38	2.39	0.56
Max	54	1,620	583	640	276	698	1,550	13	19	79	8.4	1.3
Min	3.3	9.6	14	19	15	19	14	4.0	2.6	2.0	0.40	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2007^a, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	48.6	51.5	89.9	159	146	169	140	87.6	64.3	59.7	42.3	79.3
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	6.70	5.97	11.1	18.7	12.5	9.65	5.38	4.23	2.83	1.92	0.56
(WY)	(1969)	(1970)	(1969)	(1981)	(2002)	(2006)	(2002)	(2002)	(2002)	(1986)	(2002)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1969 - 2007 ^a	
Annual total	24,779.5		25,323.66			
Annual mean	67.9		69.4		94.4	
Highest annual mean					239	2003
Lowest annual mean					15.6	2002
Highest daily mean	1,620	Nov 23	1,620	Nov 23	5,230	Sep 6, 1996
Lowest daily mean	2.2	Aug 30	0.00	Sep 9	0.00	Sep 9, 2007
Annual seven-day minimum	2.8	Aug 24	0.01	Sep 6	0.01	Sep 6, 2007
Maximum peak flow			2,350 Nov 22		6,330 Sep 6, 1996	
Maximum peak stage			8.67 Nov 22		15.65 Sep 6, 1996	
Instantaneous low flow			^a 0.00 Sep 8		^a 0.00 Sep 8, 2007	
10 percent exceeds	115		136		248	
50 percent exceeds	14		15		21	
90 percent exceeds	6.7		1.2		5.7	

^a Regulated period only (1969-2007). See Remarks.

