

Water-Data Report 2010

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 streamgage.

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 18.4 ft³/s from Lake Brandt and a daily average of 27.8 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. Minimum discharge also occurred July 9.

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 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e6.3	84	338	28	27	19	41	11	17	2.1	6.9	7.3
2	e6.1	40	862	21	31	19	33	10	18	2.0	10	6.3
3	e4.5	15	1,040	18	129	25	29	9.0	15	1.8	7.0	5.8
4	e4.1	8.5	58	17	588	24	26	9.8	11	1.9	5.8	5.5
5	e3.9	6.0	43	18	1,300	20	23	8.9	9.7	1.7	6.4	5.0
6	e4.4	4.4	38	16	2,040	18	22	8.2	8.0	1.5	11	4.6
7	e4.4	4.9	25	14	121	17	20	7.8	7.3	1.4	8.2	4.0
8	e4.1	e7.8	21	16	371	17	143	7.0	6.1	1.2	5.4	4.1
9	e3.8	e7.2	718	14	641	16	364	6.1	5.5	1.1	4.1	e3.9
10	e4.0	e8.3	582	14	63	16	113	5.5	5.4	1.3	3.8	e3.8
11	e5.8	757	401	14	40	18	26	5.0	5.6	1.3	6.0	e3.6
12	e3.9	2,900	45	75	34	23	124	7.0	5.2	1.5	5.7	e3.5
13	e6.4	3,770	262	17	31	92	36	8.8	8.7	2.0	7.3	e3.3
14	e7.9	732	73	15	29	55	20	7.7	9.0	44	144	e3.3
15	e4.0	51	38	17	388	37	20	7.3	7.6	11	36	e3.1
16	e8.7	31	30	25	75	27	20	8.8	46	6.1	9.1	e3.0
17	e5.8	23	131	233	28	24	17	85	51	32	5.3	e2.9
18	e5.0	17	511	330	24	22	15	47	178	35	38	e2.9
19	e4.2	17	64	292	21	19	14	23	59	10	15	e2.8
20	e4.0	16	37	275	21	18	14	15	11	6.6	182	e2.8
21	e4.0	13	36	282	20	17	94	12	6.7	6.7	24	e2.7
22	e3.9	12	31	350	22	18	119	10	5.0	9.1	8.7	e2.6
23	e3.9	85	221	227	29	18	16	19	4.5	6.1	6.4	e2.5
24	e4.5	68	208	44	132	16	81	17	3.9	4.2	5.6	e2.5
25	e4.6	34	545	2,100	612	15	527	e12	3.4	3.4	5.1	e2.4
26	e6.5	24	1,090	2,670	438	154	31	10	3.0	3.1	6.0	e2.3
27	e5.2	26	1,080	634	39	32	16	8.6	2.7	3.9	4.7	12
28	83	20	72	49	22	133	14	8.2	2.5	5.1	4.3	15
29	19	16	194	31	---	3,710	12	167	2.2	5.8	5.1	10
30	8.7	56	193	37	---	1,140	11	30	2.1	4.8	5.2	811
31	5.7	---	96	32	---	66	---	14	---	6.9	4.9	---
Total	250.3	8,854.1	9,083	7,925	7,316	5,845	2,041	605.7	520.1	224.6	597.0	944.5
Mean	8.07	295	293	256	261	189	68.0	19.5	17.3	7.25	19.3	31.5
Max	83	3,770	1,090	2,670	2,040	3,710	527	167	178	44	182	811
Min	3.8	4.4	21	14	20	15	11	5.0	2.1	1.1	3.8	2.3
Cfsm	0.06	2.25	2.24	1.95	1.99	1.44	0.52	0.15	0.13	0.06	0.15	0.24
In.	0.07	2.51	2.58	2.25	2.08	1.66	0.58	0.17	0.15	0.06	0.17	0.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2010^a, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	45.7	55.1	91.6	156	142	165	138	83.7	65.3	56.0	41.0	74.7
Max	432	295	293	644	456	613	613	365	477	596	255	518
(WY)	(1991)	(2010)	(2010)	(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 2009		Water Year 2010		Water Years 1969 - 2010 ^a	
Annual total	36,290.7		44,206.3			
Annual mean	99.4		121		92.6	
Highest annual mean					239	2003
Lowest annual mean					15.6	2002
Highest daily mean	3,770	Nov 13	3,770	Nov 13	5,230	Sep 6, 1996
Lowest daily mean	1.8	Sep 13	1.1	Jul 9	0.00	Sep 9, 2007
Annual seven-day minimum	1.9	Sep 8	1.3	Jul 6	0.01	Sep 6, 2007
Maximum peak flow			4,920	Mar 29	6,330	Sep 6, 1996
Maximum peak stage			14.11	Mar 29	15.65	Sep 6, 1996
Instantaneous low flow			^b 1.0	Jul 8	0.00	Sep 8, 2007
Annual runoff (cfsm)	0.759		0.925		0.707	
Annual runoff (inches)	10.31		12.55		9.61	
10 percent exceeds	236		245		234	
50 percent exceeds	14		16		20	
90 percent exceeds	3.9		3.6		5.3	

^a Regulated period only (1969-2010). See Remarks.

^b See Remarks.

