

02094500 REEDY FORK NEAR GIBSONVILLE, NC

LOCATION.--Lat 36°10'23", long 79°36'51", Guilford County, Hydrologic Unit 03030002, on right bank 0.2 mi downstream of 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>.

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.--No estimated daily discharges. Records fair. Flow regulated since 1923 by Lake Brandt (station 02094117), 14 mi upstream; since 1957 by Lake Higgins (station 02093981) on Brush Creek, a tributary to Lake Brandt; since 1943 by Richland Lake 12 mi. upstream from station; and since 1968 by Lake Townsend (station 02094305), 9 mi upstream from station. City of Greensboro diverted a daily average of 21.9 ft<sup>3</sup>/s from Lake Brandt and a daily average of 32.2 ft<sup>3</sup>/s from Lake Townsend for municipal water supply. Prior to regulation, maximum discharge: 11,600 ft<sup>3</sup>/s, Sept. 25, 1947; gage height: 20.77 ft; minimum discharge not determined. Minimum discharge for current water year also occurred Sept. 6.

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.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	26	49	71	39	84	58	28	13	12	19	9.9
2	40	23	39	56	64	79	61	36	11	12	18	9.1
3	39	21	26	45	241	88	42	48	9.9	15	15	8.7
4	29	24	20	34	365	68	39	84	37	13	13	9.0
5	29	26	27	35	136	53	41	62	38	13	12	7.5
6	23	55	59	64	223	53	28	46	19	12	11	14
7	23	60	57	51	693	97	22	36	14	10	9.0	34
8	22	42	41	37	374	76	20	28	18	9.5	8.5	510
9	29	32	31	29	80	52	19	22	34	9.2	8.7	1,470
10	30	26	75	57	72	36	18	19	36	13	9.1	179
11	45	23	378	50	76	30	18	18	35	52	12	128
12	92	27	359	42	281	28	74	16	27	19	46	65
13	71	38	50	36	47	25	467	15	19	13	80	39
14	48	39	218	29	27	20	617	15	15	12	164	126
15	44	41	466	23	29	19	352	14	15	10	94	423
16	39	45	243	39	50	25	46	20	59	9.3	23	134
17	26	33	210	37	100	39	29	24	34	8.8	20	213
18	23	27	218	33	117	34	32	16	21	40	20	92
19	20	67	207	53	85	68	40	28	16	106	10	37
20	22	81	175	46	64	57	46	22	31	156	8.0	19
21	21	80	113	32	58	55	37	19	36	76	8.1	14
22	22	56	93	27	46	49	36	18	36	24	8.6	11
23	24	41	54	33	78	36	34	17	29	18	8.9	11
24	34	31	96	26	68	34	26	16	22	14	8.6	10
25	21	68	80	28	50	34	22	17	17	11	8.6	10
26	21	58	31	43	37	30	23	14	18	9.7	8.7	12
27	29	66	21	37	48	31	40	13	19	15	8.9	300
28	36	53	19	36	55	28	43	15	16	41	9.0	1,450
29	74	61	18	38	52	24	33	13	14	35	11	1,920
30	46	62	38	59	---	24	30	14	12	27	28	145
31	31	---	47	58	---	27	---	15	---	23	18	---
TOTAL	1,080	1,332	3,558	1,284	3,655	1,403	2,393	768	720.9	838.5	726.7	7,410.2
MEAN	34.8	44.4	115	41.4	126	45.3	79.8	24.8	24.0	27.0	23.4	247
MAX	92	81	466	71	693	97	617	84	59	156	164	1,920
MIN	20	21	18	23	27	19	18	13	9.9	8.8	8.0	7.5

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2004,\* BY WATER YEAR (WY)

MEAN	51.5	45.7	88.3	165	153	173	146	93.5	64.7	60.1	45.2	83.3
MAX	432	165	221	644	456	613	613	365	477	596	255	518
(WY)	(1991)	(1993)	(1973)	(1978)	(1979)	(1993)	(1987)	(1978)	(1982)	(1984)	(2003)	(1996)
MIN	2.85	6.70	5.97	11.1	18.7	16.4	9.65	5.38	4.23	2.83	1.92	3.31
(WY)	(1969)	(1970)	(1969)	(1981)	(2002)	(1976)	(2002)	(2002)	(2002)	(1986)	(2002)	(1983)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1969 - 2004*	
ANNUAL TOTAL	79,986		25,169.3		97.2	
ANNUAL MEAN	219		68.8		239	
HIGHEST ANNUAL MEAN					15.6	2003
LOWEST ANNUAL MEAN					0.27	2002
HIGHEST DAILY MEAN	3,910	Apr 11	1,920	Sep 29	5,230	Sep 6, 1996
LOWEST DAILY MEAN	14	Jan 28	7.5	Sep 5	0.61	Aug 17, 2002
ANNUAL SEVEN-DAY MINIMUM	19	Jan 23	8.5	Aug 20	0.22	Aug 11, 2002
MAXIMUM PEAK FLOW			2,130	Sep 29	6,330	Sep 6, 1996
MAXIMUM PEAK STAGE			7.64	Sep 29	15.65	Sep 6, 1996
INSTANTANEOUS LOW FLOW			7.2*	Sep 5	0.22	Aug 17, 2002
10 PERCENT EXCEEDS	562		102		263	
50 PERCENT EXCEEDS	68		33		22	
90 PERCENT EXCEEDS	25		12		5.8	

\* Regulated period only (1969-2004). See REMARKS.

