

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 from Huffines Mill on Secondary Road 2719, 1.2 mi upstream from Buffalo Creek, and 6 mi northwest of Gibsonville.

DRAINAGE AREA.--131 mi².

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 fair except those for estimated daily discharges, which are poor. 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 18.3 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, Sept. 25, 1947; gage height: 20.77 ft; minimum discharge not determined. Minimum discharge for current water year also occurred Sept. 16, 17.

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.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	20	132	18	135	550	289	67	14	8.8	11	8.3
2	36	20	88	19	122	138	163	62	22	7.8	9.7	8.5
3	30	21	29	20	74	85	112	43	41	8.3	9.0	8.1
4	24	50	23	24	116	58	59	32	48	8.4	8.5	7.5
5	19	29	19	199	330	102	38	23	49	21	8.0	6.7
6	16	15	18	25	72	73	30	24	48	16	7.8	6.6
7	15	12	92	18	28	53	44	22	43	20	7.9	6.8
8	13	11	392	17	63	87	335	21	105	45	8.0	6.7
9	13	9.9	74	15	54	128	56	20	359	17	29	7.2
10	13	9.7	1,670	14	48	64	42	19	189	11	25	6.5
11	13	9.4	2,070	15	46	36	36	17	84	9.2	14	5.8
12	13	277	204	22	71	36	193	16	69	9.2	9.9	5.2
13	16	581	45	27	55	30	118	16	47	57	8.0	4.7
14	19	51	37	731	46	21	77	15	34	124	7.2	e4.8
15	15	115	26	613	48	90	32	18	23	73	7.0	4.8
16	14	82	26	48	75	86	23	23	19	24	7.4	4.7
17	16	58	62	36	58	187	21	17	14	16	16	5.5
18	16	46	48	39	43	188	22	15	e13	12	13	5.2
19	16	36	40	43	34	125	21	38	e11	11	10	5.3
20	18	29	38	40	22	132	20	57	e11	9.3	14	6.0
21	17	27	35	30	42	59	20	58	e10	8.9	14	8.2
22	17	22	33	86	44	44	19	37	e9.9	8.6	10	8.1
23	17	97	86	70	30	168	21	33	e9.6	8.7	11	9.0
24	17	764	229	42	35	216	33	30	e8.9	8.1	13	9.0
25	20	153	35	32	80	178	31	25	e8.5	7.8	9.7	8.9
26	19	231	26	23	59	122	23	20	e8.4	7.5	7.7	10
27	18	72	21	44	42	164	18	18	e9.0	9.1	7.4	11
28	17	174	19	36	171	668	17	17	10	9.8	7.5	8.8
29	19	197	20	26	---	1,280	19	17	10	27	7.7	6.6
30	20	125	21	40	---	117	22	15	9.4	24	8.2	8.9
31	20	---	18	56	---	70	---	14	---	15	7.6	---
TOTAL	582	3,344.0	5,676	2,468	2,043	5,355	1,954	849	1,336.7	642.5	334.2	213.4
MEAN	18.8	111	183	79.6	73.0	173	65.1	27.4	44.6	20.7	10.8	7.11
MAX	46	764	2,070	731	330	1,280	335	67	359	124	29	11
MIN	13	9.4	18	14	22	21	17	14	8.4	7.5	7.0	4.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2005, BY WATER YEAR (WY)

	50.6	47.5	90.9	163	151	173	144	91.7	64.2	59.0	44.3	81.2
MEAN	50.6	47.5	90.9	163	151	173	144	91.7	64.2	59.0	44.3	81.2
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1969 - 2005	
ANNUAL TOTAL	28,801.3		24,797.8		96.4	
ANNUAL MEAN	78.7		67.9		239	
HIGHEST ANNUAL MEAN					15.6	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	2,070	Dec 11	2,070	Dec 11	5,230	Sep 6, 1996
LOWEST DAILY MEAN	7.5	Sep 5	4.7	Sep 13	0.27	Aug 17, 2002
ANNUAL SEVEN-DAY MINIMUM	8.5	Aug 20	5.0	Sep 12	0.61	Aug 11, 2002
MAXIMUM PEAK FLOW			2,480	Dec 11	6,330	Sep 6, 1996
MAXIMUM PEAK STAGE			8.46	Dec 11	15.65	Sep 6, 1996
INSTANTANEOUS LOW FLOW			4.4*	Sep 14	0.22	Aug 17, 2002
10 PERCENT EXCEEDS	127		130		254	
50 PERCENT EXCEEDS	29		22		22	
90 PERCENT EXCEEDS	11		8.1		5.8	

* Regulated period only (1969-2005). See REMARKS.
 e Estimated.

