

0214291555 LONG CREEK NEAR RHYNE, NC

LOCATION.--Lat 35°18'02", long 80°58'22", Mecklenburg County, Hydrologic Unit 03050101, on right bank 1.6 mi downstream of Gum Branch, .6 mi upstream from bridge on NC Highway 27 and 0.55 mi northwest of Rhyne.

DRAINAGE AREA.--31.49 mi².

PERIOD OF RECORD.-- October 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage 610 ft above NGVD of 1929, from topographic map. Radio telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Frequent diversions during summer months for irrigation by upstream golf course. Minimum discharge for current water year and period of record affected by regulation. Minimum discharge for period of record also occurred on Sept. 3, 2001. Minimum discharge for current water year also occurred Oct. 8, 9.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	5.7	5.0	34	47	67	44	18	49	11	36	45
2	1.1	4.5	5.6	29	33	133	36	30	26	179	12	15
3	0.76	3.8	5.8	50	27	52	32	46	256	38	19	11
4	0.74	3.6	8.8	29	61	36	29	47	140	19	155	10
5	0.57	17	365	23	35	37	33	33	48	14	374	10
6	0.57	115	108	21	28	603	29	198	32	12	76	9.2
7	0.53	17	67	19	139	98	654	86	637	51	35	9.0
8	0.45	8.3	40	18	45	53	122	39	354	27	74	9.9
9	0.70	6.2	30	18	31	41	474	26	124	99	38	12
10	1.2	5.1	27	17	35	35	1,690	20	47	42	88	7.8
11	314	14	114	15	27	31	361	17	34	26	81	7.1
12	27	498	45	14	21	28	86	15	35	63	42	6.1
13	61	90	401	14	19	27	55	14	32	374	102	6.2
14	23	29	119	14	20	25	44	14	26	343	31	6.0
15	30	16	50	14	37	39	38	116	22	50	28	7.3
16	253	166	36	e14	27	444	35	72	171	33	32	6.6
17	26	199	28	e14	35	77	32	23	165	49	19	5.7
18	11	51	23	e14	86	72	354	27	285	20	15	5.6
19	7.5	23	21	14	62	53	225	32	190	76	13	6.0
20	5.9	14	59	14	40	1,740	73	19	55	43	12	5.5
21	7.8	11	31	14	31	159	50	128	33	20	12	5.5
22	27	9.2	23	14	461	75	41	2,390	24	15	19	36
23	7.7	7.6	19	e15	e140	56	30	544	19	14	12	299
24	5.4	6.6	537	e16	e50	47	25	90	17	14	25	26
25	4.8	6.2	314	e15	38	41	32	96	14	10	11	17
26	8.8	5.6	75	e14	42	38	129	58	13	14	9.9	14
27	5.0	5.4	44	e14	203	36	52	153	13	16	9.2	14
28	57	5.5	34	14	106	33	30	46	14	9.6	12	17
29	48	5.6	29	21	---	33	25	36	12	16	11	12
30	18	5.2	25	311	---	237	23	29	11	37	8.2	11
31	9.2	---	22	101	---	75	---	68	---	16	61	---
TOTAL	965.02	1,354.1	2,711.2	948	1,926	4,521	4,883	4,530	2,898	1,750.6	1,472.3	652.5
MEAN	31.1	45.1	87.5	30.6	68.8	146	163	146	96.6	56.5	47.5	21.8
MAX	314	498	537	311	461	1,740	1,690	2,390	637	374	374	299
MIN	0.45	3.6	5.0	14	19	25	23	14	11	9.6	8.2	5.5
CFM	0.99	1.43	2.78	0.97	2.18	4.63	5.17	4.64	3.07	1.79	1.51	0.69
IN.	1.14	1.60	3.20	1.12	2.28	5.34	5.77	5.35	3.42	2.07	1.74	0.77

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

	13.1	14.9	25.8	28.2	34.5	62.7	48.2	36.0	24.7	19.3	14.4	12.6
MEAN	13.1	14.9	25.8	28.2	34.5	62.7	48.2	36.0	24.7	19.3	14.4	12.6
MAX	31.1	45.1	87.5	39.8	68.8	146	163	146	96.6	56.5	47.5	21.7
(WY)	(2003)	(2003)	(2003)	(1999)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)
MIN	1.60	3.29	6.29	9.69	13.9	13.0	9.02	7.61	5.00	4.66	1.43	5.41
(WY)	(2002)	(2002)	(2002)	(2001)	(2002)	(1999)	(2002)	(2001)	(2002)	(2001)	(2001)	(1999)

SANTEE RIVER BASIN

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1999 - 2003	
ANNUAL TOTAL	8,609.96		28,611.72		27.8	
ANNUAL MEAN	23.6		78.4		78.4	
HIGHEST ANNUAL MEAN					10.7	2002
LOWEST ANNUAL MEAN					10.7	2002
HIGHEST DAILY MEAN	537	Dec 24	2,390	May 22	2,390	May 22, 2003
LOWEST DAILY MEAN	0.12	Sep 13	0.45	Oct 8	0.12	Sep 13, 2002
ANNUAL SEVEN-DAY MINIMUM	0.23	Aug 8	0.62	Oct 3	0.23	Aug 8, 2002
MAXIMUM PEAK FLOW			3,570	May 22	3,570	May 22, 2003
MAXIMUM PEAK STAGE			12.04	May 22	12.04	May 22, 2003
INSTANTANEOUS LOW FLOW			0.37*	Oct 7	0.02*	Sep 2, 2001
ANNUAL RUNOFF (CFSM)	0.75		2.49		0.88	
ANNUAL RUNOFF (INCHES)	10.17		33.80		12.01	
10 PERCENT EXCEEDS	50		165		48	
50 PERCENT EXCEEDS	6.0		29		7.4	
90 PERCENT EXCEEDS	0.98		6.2		1.9	

e Estimated.
 * See REMARKS.

