

## 02142900 LONG CREEK NEAR PAW CREEK, NC

LOCATION.--Lat 35°19'43", long 80°54'35", Mecklenburg County, Hydrologic Unit 03050101, on right bank at upstream side of bridge on Secondary Road 2042, 600 ft downstream of McIntyre Creek, 1.2 mi upstream from Gutter Branch, and 3.6 mi north of Paw Creek.

DRAINAGE AREA.--16.4 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1965 to current year.

REVISED RECORDS.--WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 647.69 ft above North American Vertical Datum of 1988. Radio telemetry at station.

REMARKS.--Records poor. Frequent diversions during summer months for irrigation by upstream golf course. Minimum discharge for period of record based on discharge measurement made Aug. 15, 2002, and may be lower.

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	2.7	3.3	2.1	6.9	4.0	39	40	21	9.1	3.7	5.7	4.0
2	2.5	3.1	2.0	4.4	3.8	27	19	30	2.9	3.4	25	3.3
3	2.4	2.8	1.9	3.8	36	16	14	27	2.6	3.7	17	2.6
4	2.4	2.9	2.1	3.6	14	13	11	e14	2.9	3.3	3.4	2.2
5	2.2	2.9	7.8	22	9.3	10	9.2	6.8	2.3	3.2	16	1.9
6	2.2	2.6	3.0	18	171	9.5	8.7	5.1	1.9	8.7	e5.0	1.9
7	2.5	2.5	2.4	7.3	58	7.2	8.0	4.1	10	2.6	e3.0	336
8	6.6	2.5	2.2	5.5	17	5.6	7.4	3.9	6.3	2.1	e3.0	481
9	12	2.3	2.1	6.8	12	4.8	6.4	8.7	2.3	2.0	e2.8	24
10	3.6	2.1	37	6.2	10	4.3	6.2	17	1.9	1.9	e2.8	12
11	23	2.2	20	4.5	9.0	4.0	5.7	4.8	1.7	4.5	2.8	9.0
12	7.0	2.2	6.5	4.5	47	3.8	31	4.4	1.6	12	50	7.3
13	4.1	2.1	6.5	4.5	20	3.4	91	5.1	1.8	2.2	25	6.5
14	3.8	2.2	103	4.3	14	3.1	34	3.6	95	1.9	45	5.6
15	8.1	2.3	20	4.1	21	3.2	22	3.1	46	1.5	15	4.5
16	3.4	2.4	11	3.7	20	9.1	18	2.7	35	1.3	8.6	4.2
17	3.2	2.3	21	3.6	11	3.5	13	3.4	8.0	19	5.2	121
18	2.9	2.3	12	11	9.7	5.7	10	3.2	4.3	117	4.6	21
19	2.9	16	8.6	5.7	8.8	11	9.0	3.0	3.5	20	4.2	9.5
20	2.8	6.3	6.2	3.9	8.0	5.0	7.8	3.0	3.2	5.7	3.7	7.8
21	2.8	3.2	5.1	3.6	7.7	5.5	6.8	3.0	87	3.8	8.0	5.0
22	2.8	2.7	4.9	3.5	5.7	4.7	5.0	3.1	34	3.1	8.7	4.3
23	2.5	2.5	4.9	3.6	5.0	4.4	4.9	4.5	42	2.5	3.8	4.0
24	2.6	2.4	4.9	3.6	5.0	4.4	4.3	8.2	36	2.2	3.3	3.8
25	2.5	2.3	4.3	4.2	4.5	5.3	3.8	3.2	150	2.0	3.1	3.7
26	2.6	2.3	4.1	4.7	5.8	4.3	6.4	3.0	77	1.9	2.8	3.5
27	4.5	2.3	4.2	4.7	21	4.5	9.2	3.6	e42	113	3.0	89
28	5.7	3.4	4.1	9.6	37	4.7	3.8	3.5	e14	45	2.8	772
29	23	3.4	3.9	9.7	42	4.4	2.9	3.1	6.3	45	2.9	24
30	4.8	2.1	4.2	8.6	---	6.8	2.9	3.1	4.1	19	11	12
31	3.6	---	3.8	5.2	---	27	---	19	---	5.5	8.5	---
TOTAL	157.7	93.9	325.8	195.3	637.3	264.2	421.4	231.2	734.7	462.7	305.7	1,986.6
MEAN	5.09	3.13	10.5	6.30	22.0	8.52	14.0	7.46	24.5	14.9	9.86	66.2
MAX	23	16	103	22	171	39	91	30	150	117	50	772
MIN	2.2	2.1	1.9	3.5	3.8	3.1	2.9	2.7	1.6	1.3	2.8	1.9
CFSM	0.31	0.19	0.64	0.38	1.34	0.52	0.86	0.45	1.49	0.91	0.60	4.04
IN.	0.36	0.21	0.74	0.44	1.45	0.60	0.96	0.52	1.67	1.05	0.69	4.51

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2004, BY WATER YEAR (WY)

	13.7	14.1	18.9	28.5	32.7	34.7	20.9	16.7	12.7	9.13	9.65	9.71
MEAN	13.7	14.1	18.9	28.5	32.7	34.7	20.9	16.7	12.7	9.13	9.65	9.71
MAX	70.8	91.3	59.5	74.4	78.4	86.8	87.6	101	66.5	58.4	59.0	66.2
(WY)	(1991)	(1986)	(1984)	(1993)	(1979)	(1993)	(2003)	(1975)	(1982)	(1997)	(1967)	(2004)
MIN	1.16	1.39	2.53	4.04	6.42	8.31	4.38	3.60	1.68	1.08	1.07	1.27
(WY)	(2002)	(2002)	(1966)	(1981)	(2002)	(1999)	(1967)	(1981)	(1986)	(1986)	(2001)	(1986)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1965 - 2004	
ANNUAL TOTAL	12,729.6		5,816.5		18.5	
ANNUAL MEAN	34.9		15.9		40.8	
HIGHEST ANNUAL MEAN					6.45	2003
LOWEST ANNUAL MEAN					0.03	2002
HIGHEST DAILY MEAN	1,190	May 22	772	Sep 28	1,600	Oct 9, 1976
LOWEST DAILY MEAN	1.9	Dec 3	1.3	Jul 16	0.06	Aug 14, 2002
ANNUAL SEVEN-DAY MINIMUM	2.2	Nov 9	2.2	Nov 9	0.06	Aug 9, 2002
MAXIMUM PEAK FLOW			1,740	Sep 28	4,300	Jun 18, 1982
MAXIMUM PEAK STAGE			11.30	Sep 28	13.45	Jul 23, 1997
INSTANTANEOUS LOW FLOW			1.1	Jul 16	0.03*	Aug 15, 2002
ANNUAL RUNOFF (CFSM)	2.13		0.969		1.13	
ANNUAL RUNOFF (INCHES)	28.87		13.19		15.32	
10 PERCENT EXCEEDS	55		27		30	
50 PERCENT EXCEEDS	11		4.6		6.5	
90 PERCENT EXCEEDS	2.6		2.3		1.8	

\* See REMARKS.

e Estimated.

