

## 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 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.68	3.1	3.5	20	23	31	18	10	22	4.0	21	28
2	0.47	2.5	3.4	16	17	56	14	25	12	106	6.8	11
3	0.33	2.2	3.5	29	14	25	12	27	113	18	11	7.5
4	0.31	2.1	4.3	16	31	19	11	30	55	9.3	146	5.8
5	0.35	14	211	13	18	20	15	24	25	6.6	78	5.6
6	0.28	50	46	11	15	328	12	119	18	5.1	30	4.9
7	0.20	9.6	30	9.9	62	41	402	40	304	15	50	4.6
8	0.12	4.7	19	10	23	24	58	21	109	10	37	4.5
9	0.73	3.4	14	9.5	17	19	254	15	47	20	20	e5.0
10	0.44	2.9	12	8.5	20	16	1,000	12	21	13	25	4.5
11	189	10	53	7.1	15	14	124	10	16	14	27	4.0
12	11	283	21	6.3	13	13	38	9.0	19	15	43	3.5
13	34	36	220	6.2	12	12	24	7.2	15	296	41	3.4
14	9.4	16	46	6.3	13	11	18	6.2	13	269	17	3.2
15	14	11	22	5.8	23	22	15	11	11	32	18	3.0
16	175	116	16	5.6	16	208	13	16	167	19	13	e2.8
17	12	82	13	e5.6	21	36	12	8.6	e154	23	10	e2.7
18	4.8	27	12	e5.4	44	36	224	11	e245	12	8.3	e2.6
19	3.0	15	11	5.4	31	26	91	13	e148	18	6.6	2.6
20	2.1	11	30	5.7	22	1,020	36	8.2	e33	8.4	5.9	2.5
21	7.7	9.7	16	5.9	18	52	26	86	18	6.5	5.4	2.6
22	15	7.3	12	6.1	269	27	21	1,190	13	7.4	5.0	25
23	3.7	e6.6	10	e5.8	50	19	15	114	9.9	7.0	4.8	184
24	2.4	e5.8	345	e5.7	26	15	13	38	7.6	6.3	23	11
25	2.3	4.5	131	e5.6	19	13	19	48	5.9	4.1	7.9	5.9
26	5.9	4.1	35	e5.5	24	11	72	26	5.0	8.3	5.5	4.2
27	2.2	3.9	22	e5.4	87	10	27	59	4.5	6.8	5.0	3.6
28	30	3.7	17	5.6	44	9.6	17	20	6.5	3.7	4.4	4.8
29	23	3.6	15	12	---	10	14	15	4.8	21	4.0	3.6
30	10	3.6	13	155	---	122	13	13	3.9	18	3.7	2.9
31	4.7	---	13	42	---	30	---	37	---	8.3	36	---
TOTAL	565.11	754.3	1,419.7	456.9	987	2,295.6	2,628	2,069.2	1,626.1	1,010.8	719.3	359.3
MEAN	18.2	25.1	45.8	14.7	35.2	74.1	87.6	66.7	54.2	32.6	23.2	12.0
MAX	189	283	345	155	269	1,020	1,000	1,190	304	296	146	184
MIN	0.12	2.1	3.4	5.4	12	9.6	11	6.2	3.9	3.7	3.7	2.5
CFSM	1.11	1.53	2.79	0.90	2.15	4.52	5.34	4.07	3.31	1.99	1.41	0.73
IN.	1.28	1.71	3.22	1.04	2.24	5.21	5.96	4.69	3.69	2.29	1.63	0.81

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2003, BY WATER YEAR (WY)

MEAN	14.0	14.3	19.1	29.1	32.9	35.4	21.1	17.0	12.4	8.98	9.65	8.22
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)	(1975)
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)

02142900 LONG CREEK NEAR PAW CREEK, NC—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1965 - 2003	
ANNUAL TOTAL	4,904.63		14,891.31		18.6	
ANNUAL MEAN	13.4		40.8		40.8	
HIGHEST ANNUAL MEAN					6.45	2003
LOWEST ANNUAL MEAN					0.03	2002
HIGHEST DAILY MEAN	345	Dec 24	1,190	May 22	1,600	Oct 9, 1976
LOWEST DAILY MEAN	0.03	Aug 14	0.12	Oct 8	0.03	Aug 14, 2002
ANNUAL SEVEN-DAY MINIMUM	0.06	Aug 9	0.29	Oct 2	0.06	Aug 9, 2002
MAXIMUM PEAK FLOW			1,890	May 22	4,300	Jun 18, 1982
MAXIMUM PEAK STAGE			11.97	May 22	13.45	Jul 23, 1997
INSTANTANEOUS LOW FLOW			NOT DETERMINED		0.03*	Aug 15, 2002
ANNUAL RUNOFF (CFSM)	0.82		2.49		1.13	
ANNUAL RUNOFF (INCHES)	11.13		33.78		15.37	
10 PERCENT EXCEEDS	27		86		30	
50 PERCENT EXCEEDS	3.5		13		6.6	
90 PERCENT EXCEEDS	0.47		3.6		1.8	

e Estimated.  
 \* See REMARKS.

