

0214295600 PAW CREEK AT WILKINSON BOULEVARD NEAR CHARLOTTE, NC

LOCATION.--Lat 35°14'25", long 80°58'28", Mecklenburg County, Hydrologic Unit 03050101, on left bank on downstream side of culvert at U.S. Highway 74, 0.7 mi downstream of Interstate Highway 85, and 2.5 mi northwest of airport in Charlotte.

DRAINAGE AREA.--10.8 mi².

PERIOD OF RECORD.--October 1994 to current year.

GAGE.--Water-stage recorder. Datum of gage is 568.92 ft above NGVD of 1929 (Mecklenburg County benchmark). Prior to October 1, 1999 at same site at datum 570.92 ft. Radio telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Minimum discharge for period of record also occurred Sept. 24, 2002.

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	0.42	3.6	2.6	7.5	10	26	12	5.3	16	4.5	19	37
2	0.34	3.8	3.1	4.2	6.7	41	9.8	8.8	7.6	52	5.8	7.4
3	0.31	3.2	2.5	11	5.4	15	8.3	9.9	57	6.6	9.7	5.4
4	0.22	3.8	2.9	4.5	26	11	8.0	5.9	31	4.7	63	5.4
5	0.29	17	97	3.5	9.2	13	10	7.0	11	4.3	75	5.3
6	0.21	45	25	3.4	7.9	197	8.4	69	8.8	3.8	13	4.2
7	0.34	8.0	14	2.7	47	29	202	20	301	7.9	7.5	3.9
8	0.23	4.7	8.8	2.7	12	e12	47	9.8	110	4.6	16	4.4
9	0.38	3.7	6.8	e2.7	7.7	e9.5	151	7.1	73	36	122	4.2
10	0.48	3.1	5.1	2.7	12	e8.1	444	6.0	17	9.7	82	3.6
11	130	10	39	2.2	7.1	e7.8	86	5.2	13	24	34	3.6
12	8.8	164	9.9	2.2	6.5	e7.2	24	5.0	13	11	45	3.4
13	113	37	122	2.4	6.9	e7.1	14	5.0	11	59	36	3.5
14	12	13	31	1.9	8.2	6.5	9.8	4.7	9.6	9.7	79	3.3
15	21	7.6	12	1.8	11	15	e7.0	155	9.1	5.4	31	6.8
16	81	68	8.3	1.7	9.3	120	e6.2	78	55	4.3	23	3.7
17	9.7	56	6.5	2.9	17	21	e6.0	18	20	52	8.2	3.5
18	4.8	18	4.6	1.7	31	23	115	22	42	6.5	5.9	3.0
19	4.3	9.9	4.7	1.7	19	14	64	16	24	25	4.1	2.9
20	2.8	7.6	17	e1.7	12	433	18	12	9.7	16	3.6	2.9
21	7.3	6.3	5.5	e2.6	9.3	43	14	50	6.4	11	3.2	2.8
22	9.9	4.9	4.1	e2.0	121	18	11	e800	5.7	9.2	13	29
23	2.3	4.0	3.5	e4.0	36	12	8.5	104	5.6	7.2	5.4	64
24	1.7	3.8	161	e3.0	14	9.4	7.4	33	4.9	5.6	2.8	5.9
25	2.0	3.4	87	3.1	10	7.9	12	93	4.5	4.1	2.5	4.6
26	3.7	3.1	21	3.5	16	6.8	14	32	4.4	18	2.5	4.2
27	1.7	3.0	9.9	3.3	62	6.5	7.7	63	4.2	7.4	2.4	3.9
28	27	2.7	6.8	2.5	28	6.5	5.9	15	4.7	4.8	7.1	8.4
29	15	2.4	5.2	5.8	---	6.5	8.3	11	4.5	10	7.0	4.1
30	7.9	2.7	4.2	89	---	77	8.3	8.5	4.2	9.0	2.2	3.2
31	4.8	---	3.7	24	---	22	---	52	---	11	20	---
TOTAL	473.92	523.3	734.7	207.9	568.2	1,231.8	1,347.6	1,731.2	887.9	444.3	750.9	247.5
MEAN	15.3	17.4	23.7	6.71	20.3	39.7	44.9	55.8	29.6	14.3	24.2	8.25
MAX	130	164	161	89	121	433	444	800	301	59	122	64
MIN	0.21	2.4	2.5	1.7	5.4	6.5	5.9	4.7	4.2	3.8	2.2	2.8
CFSM	1.42	1.62	2.19	0.62	1.88	3.68	4.16	5.17	2.74	1.33	2.24	0.76
IN.	1.63	1.80	2.53	0.72	1.96	4.24	4.64	5.96	3.06	1.53	2.59	0.85

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2003, BY WATER YEAR (WY)

MEAN	7.73	8.31	8.33	13.6	16.6	17.4	15.6	11.6	8.42	8.12	6.46	5.34
MAX	23.0	26.1	23.7	28.9	33.4	39.7	44.9	55.8	29.6	35.2	24.2	9.18
(WY)	(1996)	(1996)	(2003)	(1998)	(1995)	(2003)	(2003)	(2003)	(2003)	(1997)	(2003)	(2000)
MIN	0.73	0.59	2.27	2.79	3.27	4.54	3.29	3.21	1.59	1.35	0.33	2.22
(WY)	(2002)	(2002)	(2002)	(2001)	(2002)	(1999)	(2001)	(2000)	(2001)	(2001)	(2001)	(1999)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1995 - 2003	
ANNUAL TOTAL	3,172.06		9,149.22		10.6	
ANNUAL MEAN	8.69		25.1		25.1	
HIGHEST ANNUAL MEAN					3.93	2001
LOWEST ANNUAL MEAN					0.06	2001
HIGHEST DAILY MEAN	164	Nov 12	800	May 22	835	Jul 23, 1997
LOWEST DAILY MEAN	0.12	Sep 13	0.21	Oct 6	0.11	Oct 30, 2001
ANNUAL SEVEN-DAY MINIMUM	0.18	Sep 7	0.28	Oct 2	0.11	Oct 29, 2001
MAXIMUM PEAK FLOW			1,370	Jun 7	2,740	Jul 23, 1997
MAXIMUM PEAK STAGE			10.21	Jun 7	10.21	Jun 7, 2003
INSTANTANEOUS LOW FLOW			0.16	Oct 8	0.03*	Sep 12, 2002
ANNUAL RUNOFF (CFSM)	0.80		2.32		0.98	
ANNUAL RUNOFF (INCHES)	10.93		31.51		13.32	
10 PERCENT EXCEEDS	21		63		20	
50 PERCENT EXCEEDS	2.9		8.0		3.4	
90 PERCENT EXCEEDS	0.48		2.7		0.83	

e Estimated.
 * See REMARKS.

