

02146700 MCMULLEN CREEK AT SHARON VIEW ROAD NEAR CHARLOTTE, NC

LOCATION.--Lat 35°08'27", long 80°49'12", Mecklenburg County, Hydrologic Unit 03050103, on left bank downstream of culvert wingwall at Sharon View Road (Secondary Road 3673), 3.3 mi south of Queens College, Charlotte, and 6.9 mi upstream from mouth.

DRAINAGE AREA.--6.95 mi².

PERIOD OF RECORD.--April 1962 to current year.

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

GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Datum of gage is 592.31 ft above North American Vertical of 1988. Prior to Oct. 13, 1970, at site 73 ft upstream at same datum. Oct. 13, 1970, to Dec. 30, 1971, at site 154 ft downstream at 590.91 ft above NGVD of 1929. Radio telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Minimum discharge for the current water year also occurred Oct. 7, 8. Maximum discharge for period of record from rating curve extended above 2,650 ft³/s on basis of computation of peak flow through culvert. No flow occurred periodically from 1962 to 1973.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 6, 1962, reached a stage of 7.5 ft, former site and datum, from floodmarks; discharge, 1,040 ft³/s.

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	1.1	2.8	0.94	4.8	3.8	18	3.7	3.5	5.3	e3.0	2.5	4.1
2	0.76	2.1	0.85	2.5	2.8	23	3.1	7.5	4.0	61	1.6	1.2
3	0.51	1.2	0.92	4.5	2.4	5.2	2.9	4.7	36	3.9	45	1.1
4	0.44	0.71	7.2	2.1	4.9	3.6	2.7	3.5	9.7	2.2	27	4.4
5	0.45	29	75	2.0	2.3	8.0	9.7	3.5	4.5	2.1	40	1.7
6	0.42	27	7.4	1.8	11	180	3.9	145	11	1.8	5.6	0.86
7	0.35	2.1	3.4	1.8	30	8.3	176	10	377	1.8	2.8	0.81
8	0.42	1.6	2.3	1.8	3.6	4.6	42	5.7	193	1.8	3.8	0.81
9	0.84	1.9	1.9	1.8	2.6	3.7	105	4.2	27	11	4.9	0.80
10	0.95	1.3	1.6	1.8	12	3.0	349	4.1	5.8	2.7	3.5	0.70
11	91	22	38	1.8	3.0	2.7	29	4.5	6.9	38	2.8	0.62
12	2.0	85	3.5	1.7	2.3	2.5	8.6	3.1	40	6.2	2.5	0.88
13	47	6.2	119	1.7	2.0	2.5	5.7	2.5	6.4	64	3.1	0.73
14	2.5	2.4	8.5	1.8	4.7	2.3	4.6	2.3	4.2	5.3	29	0.79
15	24	1.7	3.5	1.7	4.3	22	4.2	105	3.7	2.6	3.7	0.65
16	66	66	2.7	2.2	7.6	84	3.9	9.6	139	3.8	1.7	0.72
17	2.4	26	2.2	3.0	11	7.6	3.7	3.7	85	5.8	1.5	0.70
18	1.3	4.2	2.0	1.7	19	9.5	105	7.6	94	2.0	1.3	0.76
19	1.6	2.4	1.8	1.6	6.4	11	19	5.3	32	39	1.3	0.85
20	1.7	2.0	46	1.6	4.7	335	7.0	3.8	8.3	5.5	1.2	0.55
21	5.7	1.8	3.7	2.7	3.5	12	6.8	108	4.4	6.1	1.1	0.52
22	6.8	1.5	2.6	2.2	77	5.7	5.2	362	3.6	3.6	1.6	12
23	1.3	1.4	2.2	4.6	10	4.1	4.1	32	3.1	3.4	1.7	19
24	0.99	1.6	124	3.4	3.9	3.3	3.8	41	2.7	1.8	1.1	0.85
25	1.1	1.2	58	2.4	3.0	3.4	10	130	2.5	1.5	1.2	0.69
26	1.7	1.0	5.4	2.5	8.5	3.1	23	14	e2.1	1.5	1.1	0.59
27	1.6	0.99	3.5	2.2	62	3.5	5.4	129	e2.3	1.6	1.0	0.75
28	19	0.94	2.9	1.8	9.9	2.7	4.1	7.1	e5.4	1.3	0.93	1.8
29	4.5	0.93	2.6	4.0	---	3.0	3.8	4.5	e2.5	50	1.4	0.52
30	2.1	1.0	2.3	69	---	63	3.5	3.5	e2.2	6.5	25	0.48
31	2.0	---	2.4	8.2	---	6.1	---	15	---	4.0	5.6	---
TOTAL	292.53	299.97	538.31	146.7	318.2	846.4	958.4	1,185.2	1,123.6	344.8	226.53	60.93
MEAN	9.44	10.0	17.4	4.73	11.4	27.3	31.9	38.2	37.5	11.1	7.31	2.03
MAX	91	85	124	69	77	335	349	362	377	64	45	19
MIN	0.35	0.71	0.85	1.6	2.0	2.3	2.7	2.3	2.1	1.3	0.93	0.48
CFSM	1.36	1.44	2.50	0.68	1.64	3.93	4.60	5.50	5.39	1.60	1.05	0.29
IN.	1.57	1.61	2.88	0.79	1.70	4.53	5.13	6.34	6.01	1.85	1.21	0.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2003, BY WATER YEAR (WY)

MEAN	6.18	5.74	7.69	12.4	13.1	15.1	8.25	7.03	7.19	6.46	5.95	5.54
MAX	30.4	21.3	24.3	33.5	28.1	38.8	31.9	38.2	37.5	27.7	32.1	23.8
(WY)	(1991)	(1986)	(1977)	(1978)	(1979)	(1977)	(2003)	(2003)	(2003)	(1997)	(1995)	(1987)
MIN	0.21	0.54	0.86	1.02	1.77	1.74	1.13	1.08	0.75	0.61	0.24	0.084
(WY)	(1964)	(1970)	(1966)	(1981)	(1968)	(1985)	(1981)	(1962)	(1966)	(1963)	(1968)	(1970)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1962 - 2003	
ANNUAL TOTAL	2,768.02		6,341.57		8.38	
ANNUAL MEAN	7.58		17.4		17.4	
HIGHEST ANNUAL MEAN					3.19	
LOWEST ANNUAL MEAN					1970	
HIGHEST DAILY MEAN	269	Aug 31	377	Jun 7	868	Aug 27, 1995
LOWEST DAILY MEAN	0.31	Jul 8	0.35	Oct 7	0.00	Aug 31, 1962
ANNUAL SEVEN-DAY MINIMUM	0.32	Aug 8	0.48	Oct 2	0.01	Sep 19, 1968
MAXIMUM PEAK FLOW			3,000	Jun 7	3,470*	Aug 27, 1995
MAXIMUM PEAK STAGE			10.36	Jun 7	11.03	Aug 27, 1995
INSTANTANEOUS LOW FLOW			0.30*	Oct 6	0.00*	Aug 31, 1962
ANNUAL RUNOFF (CFSM)	1.09		2.50		1.21	
ANNUAL RUNOFF (INCHES)	14.82		33.94		16.38	
10 PERCENT EXCEEDS	20		43		15	
50 PERCENT EXCEEDS	1.6		3.5		1.6	
90 PERCENT EXCEEDS	0.51		0.94		0.32	

e Estimated.
 * See REMARKS.

