

Water-Data Report 2007

**02146700 MCMULLEN CREEK AT SHARON VIEW ROAD NEAR CHARLOTTE, NC**

Santee Basin  
Lower Catawba Subbasin

LOCATION.--Lat 35°08'27", long 80°49'12" referenced to North American Datum of 1983, Mecklenburg County, NC, Hydrologic Unit 03050103, on left bank downstream of culvert wingwall at Sharon View Road (Secondary Road 3673), 3.3 mi south of Queens College, and 6.9 mi upstream from mouth, near Charlotte.

DRAINAGE AREA.--6.95 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

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 October 13, 1970, at site 237 ft upstream at same datum. October 13, 1970 to December 30, 1971, at site 154 ft downstream at 590.91 ft above NGVD of 1929. Radio telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Maximum discharge for period of record from rating curve extended above 2,650 ft<sup>3</sup>/s on basis of computation of peak flow through culvert. No flow occurred periodically from 1962 to 1973. Minimum discharge for current water year also occurred September 30.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of January 6, 1962, reached a stage of 7.5 ft, former site and datum, from floodmarks; discharge, 1,040 ft<sup>3</sup>/s.

## 02146700 MCMULLEN CREEK AT SHARON VIEW ROAD NEAR CHARLOTTE, NC—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.0	1.1	9.7	21	37	137	3.2	1.9	0.95	2.8	0.82	1.2
2	1.1	0.93	2.5	4.5	13	204	3.1	1.9	1.1	0.94	0.47	1.4
3	1.1	0.95	2.0	3.4	4.8	8.3	2.3	1.8	12	0.78	0.49	0.37
4	1.1	1.0	1.9	2.8	3.7	4.8	2.2	1.9	1.9	0.61	0.39	0.28
5	3.1	1.0	1.8	55	3.1	3.8	2.0	3.2	1.2	0.55	0.35	0.23
6	1.6	0.97	1.8	12	2.8	3.4	2.2	2.5	0.96	0.57	0.65	0.21
7	4.3	29	1.8	42	2.9	3.2	2.1	1.7	0.81	68	1.6	0.22
8	31	19	2.3	58	2.7	3.0	2.1	1.6	0.77	4.3	0.46	0.26
9	1.6	2.2	1.7	6.8	2.6	2.9	2.0	9.4	0.79	13	0.32	0.22
10	2.2	1.5	1.7	4.3	2.5	2.8	2.1	3.6	0.70	2.7	0.30	0.24
11	7.1	30	1.6	3.5	2.3	2.8	8.8	1.8	5.8	1.1	0.45	0.28
12	6.8	46	1.6	3.2	2.3	2.7	16	1.7	11	2.0	0.60	0.23
13	1.2	2.8	1.7	3.2	71	2.7	2.3	2.1	2.4	0.80	0.51	0.21
14	1.0	1.9	1.7	2.9	25	2.7	3.8	1.6	16	0.82	0.27	2.0
15	1.0	8.4	1.6	2.7	4.8	2.7	86	1.5	4.5	2.0	0.26	5.0
16	0.99	155	1.5	2.7	3.7	13	6.5	1.4	1.5	2.0	0.31	0.50
17	128	5.6	1.5	2.3	3.3	3.3	3.1	1.4	1.1	1.3	0.94	0.33
18	10	2.8	1.5	5.8	3.1	2.7	2.6	1.3	1.0	3.7	1.1	0.26
19	1.9	2.1	1.5	3.5	2.7	2.5	21	1.2	0.87	0.84	0.81	0.19
20	1.3	1.8	1.4	2.6	2.8	2.5	10	1.2	1.1	0.53	0.35	0.22
21	1.1	183	1.9	24	3.1	2.5	3.0	1.2	0.79	0.45	0.91	0.25
22	1.0	353	60	21	2.7	2.6	2.5	1.3	0.68	0.39	0.88	0.30
23	1.0	11	7.6	4.4	2.6	2.6	2.3	1.5	0.58	0.33	3.9	0.29
24	1.0	4.6	3.2	3.5	2.4	3.2	2.2	1.4	3.9	0.31	1.9	0.24
25	1.2	3.2	83	3.1	33	2.6	2.2	1.4	43	0.34	0.48	0.33
26	1.2	2.7	8.6	2.9	5.6	2.5	2.1	1.4	5.2	0.35	1.8	0.27
27	36	2.3	4.0	2.8	3.7	2.4	9.2	1.3	1.3	36	2.6	0.27
28	33	2.2	3.0	2.7	3.2	2.3	2.2	1.4	0.87	8.9	0.51	0.20
29	1.8	2.1	2.7	2.4	---	3.9	1.9	1.3	0.74	2.4	0.33	0.17
30	1.3	5.9	2.5	2.5	---	2.3	1.8	0.96	14	2.9	0.24	0.13
31	1.2	---	6.5	2.4	---	2.3	---	1.0	---	1.5	7.3	---
<b>Total</b>	287.19	884.05	225.8	313.9	252.4	440.0	212.8	58.86	137.51	163.21	32.30	16.30
<b>Mean</b>	9.26	29.5	7.28	10.1	9.01	14.2	7.09	1.90	4.58	5.26	1.04	0.54
<b>Max</b>	128	353	83	58	71	204	86	9.4	43	68	7.3	5.0
<b>Min</b>	0.99	0.93	1.4	2.3	2.3	2.3	1.8	0.96	0.58	0.31	0.24	0.13
<b>Cfsm</b>	1.33	4.24	1.05	1.46	1.30	2.04	1.02	0.27	0.66	0.76	0.15	0.08
<b>In.</b>	1.54	4.73	1.21	1.68	1.35	2.36	1.14	0.32	0.74	0.87	0.17	0.09

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2007, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	6.11	6.12	7.68	11.8	12.6	14.5	8.01	6.81	7.31	6.77	6.17	5.82
<b>Max</b>	30.4	29.5	24.3	33.5	28.1	38.8	31.9	38.2	37.5	27.7	32.1	25.6
<b>(WY)</b>	(1991)	(2007)	(1977)	(1978)	(1979)	(1977)	(2003)	(2003)	(2003)	(1997)	(1995)	(2004)
<b>Min</b>	0.21	0.54	0.86	1.02	1.77	1.74	1.13	1.08	0.75	0.61	0.24	0.08
<b>(WY)</b>	(1964)	(1970)	(1966)	(1981)	(1968)	(1985)	(1981)	(1962)	(1966)	(1963)	(1968)	(1970)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1962 - 2007	
Annual total	3,092.95		3,024.32			
Annual mean	8.47		8.29		8.30	
Highest annual mean					17.4	2003
Lowest annual mean					3.19	1970
Highest daily mean	353	Nov 22	353	Nov 22	868	Aug 27, 1995
Lowest daily mean	0.45	Jul 18	0.13	Sep 30	0.00	Aug 31, 1962
Annual seven-day minimum	0.57	Jul 12	0.23	Sep 24	0.01	Sep 19, 1968
Maximum peak flow			1,110	Mar 2	<sup>a</sup> 3,470	Aug 27, 1995
Maximum peak stage			6.88	Mar 2	11.03	Aug 27, 1995
Instantaneous low flow			<sup>a</sup> 0.12	Sep 29	<sup>a</sup> 0.00	Aug 31, 1962
Annual runoff (cfsm)	1.22		1.19		1.19	
Annual runoff (inches)	16.56		16.19		16.23	
10 percent exceeds	12		12		15	
50 percent exceeds	1.8		2.1		1.6	
90 percent exceeds	0.89		0.35		0.34	

<sup>a</sup> See Remarks.

