



Water-Data Report 2009

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 mi².

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 National Geodetic Vertical Datum of 1929. Radio telemetry at streamgage.

REMARKS.--No estimated daily discharges. Records good. Maximum discharge for period of record and current water year 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. Minimum discharge for current water year also occurred September 4, 8, 13-15.

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 ft³/s.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.6	0.49	4.0	1.6	1.2	189	2.9	1.4	1.3	0.56	1.3	0.35
2	0.95	0.66	1.5	1.7	4.4	48	3.8	3.1	1.2	0.60	2.9	0.28
3	0.58	2.3	1.2	1.8	7.6	8.9	5.9	2.4	1.3	0.56	1.1	0.25
4	0.54	3.4	1.1	37	1.8	5.2	2.5	24	67	0.50	0.70	0.24
5	0.56	1.3	1.0	3.2	1.3	4.2	2.4	359	85	0.51	1.5	0.29
6	0.76	1.0	0.95	99	1.3	3.2	2.6	20	9.1	1.1	8.0	0.26
7	0.90	0.97	1.1	28	1.3	2.9	2.2	5.3	2.6	0.63	0.77	0.32
8	23	0.84	0.82	4.8	1.3	2.6	2.0	3.3	1.8	0.51	0.55	0.23
9	5.3	0.82	0.88	3.0	1.3	2.2	2.0	2.3	1.6	3.9	0.46	0.36
10	1.1	0.90	14	2.4	1.3	2.0	16	1.7	1.5	1.6	0.44	2.4
11	0.92	1.2	89	3.5	2.1	1.9	15	3.3	2.3	0.64	0.39	0.45
12	1.0	1.3	50	2.0	3.1	1.8	2.5	1.7	4.5	0.47	0.93	0.27
13	0.82	2.8	3.4	1.8	1.3	4.4	2.3	1.3	2.2	11	0.85	0.25
14	0.61	21	2.9	1.6	2.0	16	9.3	1.3	1.1	1.1	0.55	0.25
15	0.66	5.6	4.2	1.6	1.5	27	2.4	1.7	1.3	0.58	0.40	0.32
16	0.84	1.3	2.1	1.4	8.8	10	2.0	4.8	1.1	0.48	6.8	3.6
17	5.8	0.92	1.8	1.5	1.5	5.5	1.8	3.3	38	0.53	1.4	1.4
18	10	0.78	1.7	1.6	19	3.5	1.8	6.0	3.2	0.50	0.59	0.42
19	1.0	0.65	1.5	1.5	7.4	5.9	1.8	1.5	2.1	0.36	0.41	2.2
20	0.79	0.63	5.5	1.9	2.2	7.3	19	1.2	1.3	0.40	2.1	16
21	0.77	0.67	12	1.6	1.8	2.7	2.6	1.2	1.1	0.41	1.0	0.76
22	0.82	0.68	2.1	1.3	1.6	2.5	1.8	1.2	0.93	15	0.50	0.51
23	1.0	0.62	1.6	1.5	1.5	2.4	1.6	1.2	0.84	41	0.32	0.62
24	1.6	0.63	1.6	1.8	1.5	2.2	1.6	43	0.78	3.0	0.35	0.39
25	4.9	4.2	2.3	1.2	1.6	3.2	1.6	111	0.81	0.81	0.39	0.78
26	1.1	0.94	1.5	1.2	1.6	5.0	1.6	8.9	0.70	0.53	0.31	16
27	0.73	0.70	2.5	1.2	3.8	7.6	1.5	3.9	0.69	0.45	0.52	9.2
28	0.85	0.64	3.0	9.1	59	104	1.4	3.5	0.60	102	0.31	0.80
29	0.67	4.1	3.0	2.8	---	14	1.4	3.0	0.60	58	0.52	0.35
30	0.54	54	1.4	1.4	---	4.5	1.5	1.6	0.56	11	0.51	0.33
31	0.52	---	1.7	1.3	---	3.2	---	1.3	---	1.7	0.82	---
Total	71.23	116.04	221.35	225.3	144.1	502.8	116.8	628.4	237.11	260.43	37.69	59.88
Mean	2.30	3.87	7.14	7.27	5.15	16.2	3.89	20.3	7.90	8.40	1.22	2.00
Max	23	54	89	99	59	189	19	359	85	102	8.0	16
Min	0.52	0.49	0.82	1.2	1.2	1.8	1.4	1.2	0.56	0.36	0.31	0.23
Cfsm	0.33	0.56	1.03	1.05	0.74	2.33	0.56	2.92	1.14	1.21	0.17	0.29
In.	0.38	0.62	1.18	1.21	0.77	2.69	0.63	3.36	1.27	1.39	0.20	0.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	5.96	5.96	7.63	11.5	12.3	14.5	7.93	7.01	7.24	6.86	6.65	5.77
Max	30.4	29.5	24.3	33.5	28.1	38.8	31.9	38.2	37.5	27.7	34.2	25.6
(WY) (1991)	(2007)	(1977)	(1978)	(1979)	(1977)	(2003)	(2003)	(2003)	(2003)	(1997)	(2008)	(2004)
Min	0.21	0.54	0.86	1.02	1.77	1.74	1.13	1.08	0.75	0.61	0.24	0.08
(WY) (1964)	(1970)	(1966)	(1981)	(1968)	(1985)	(1981)	(1981)	(1962)	(1966)	(1963)	(1968)	(1970)

02146700 MCMULLEN CREEK AT SHARON VIEW ROAD NEAR CHARLOTTE, NC—Continued**SUMMARY STATISTICS**

	Calendar Year 2008	Water Year 2009	Water Years 1962 - 2009	
Annual total	3,081.82	2,621.13		
Annual mean	8.42	7.18	8.28	
Highest annual mean			17.4	2003
Lowest annual mean			3.19	1970
Highest daily mean	786	Aug 27	359	May 5
Lowest daily mean	0.24	Aug 4	0.23	Sep 8
Annual seven-day minimum	0.32	Jul 30	0.27	Sep 2
Maximum peak flow			^a 3,000	May 5
Maximum peak stage			10.36	May 5
Instantaneous low flow			^a 0.17	Sep 3
Annual runoff (cfsm)	1.21	1.03		1.19
Annual runoff (inches)	16.50	14.03		16.18
10 percent exceeds	14	11		15
50 percent exceeds	1.7	1.6		1.6
90 percent exceeds	0.62	0.50		0.35

^a See Remarks.

