

## 0214266000 MCDOWELL CREEK NEAR CHARLOTTE, NC

LOCATION.--Lat 35°23'23", long 80°55'16", Mecklenburg County, Hydrologic Unit 03050101, on right bank at downstream side of bridge on Secondary Road 2074, 2.1 mi downstream of Torrence Creek, 2.8 mi south of Hicks Crossroads, 12.1 mi northwest of city hall, Charlotte.

DRAINAGE AREA.-26.3-mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1996 to current year. Streamflow data for November 1996 to September 1997 previously published in U.S. Geological Survey Open-File Report 98-67.

GAGE.--Water-stage recorder. Datum of gage is 644.87 ft, above North American Vertical Datum of 1988. Radio telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Minimum discharge for current water year also occurred on Sept. 13, 15, 22-24.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e11	6.2	14	13	14	58	26	37	21	14	15	3.5
2	e9.0	5.8	9.7	9.7	12	33	27	16	114	14	10	3.2
3	e56	21	8.9	9.5	75	27	21	14	22	14	7.1	3.3
4	e15	159	8.1	9.6	30	23	18	12	17	17	6.2	3.1
5	12	34	8.5	9.3	21	20	17	12	14	11	6.0	3.0
6	10	17	15	9.5	17	18	16	13	25	9.8	6.9	3.1
7	9.6	12	27	9.8	15	17	16	12	107	16	5.5	2.7
8	9.4	9.5	11	10	15	102	59	12	149	14	7.0	3.1
9	9.5	8.2	113	10	14	30	28	11	43	10	17	2.9
10	9.5	e7.1	513	11	14	22	17	19	73	11	38	2.8
11	9.1	e8.8	77	11	12	18	15	25	23	10	8.3	2.6
12	9.0	e34	34	11	12	17	58	13	18	e12	6.5	2.9
13	9.4	e20	24	11	11	15	111	14	16	e7.6	14	2.6
14	8.6	e14	19	253	17	20	232	14	15	7.3	21	2.7
15	8.0	e10	15	41	15	14	39	15	15	6.8	7.5	2.9
16	7.6	e9.4	13	24	16	102	27	12	13	5.5	5.7	4.9
17	6.7	9.0	13	19	17	71	23	10	11	5.3	5.0	5.6
18	8.0	8.5	12	16	12	33	20	10	11	6.2	e67	3.6
19	9.0	8.4	12	14	11	23	18	10	17	6.4	e8.6	3.1
20	9.2	8.1	11	14	12	21	17	28	13	5.7	e6.0	2.9
21	8.4	7.8	11	13	64	20	15	13	10	4.7	e4.7	2.9
22	8.3	7.3	11	13	32	22	18	10	9.6	4.6	e4.7	2.6
23	7.4	12	58	13	18	154	20	11	10	5.2	e4.4	2.8
24	9.9	29	21	12	129	37	15	9.5	10	4.5	5.9	2.9
25	8.1	25	15	13	34	26	14	8.6	10	4.1	5.0	2.8
26	8.3	11	13	12	22	21	15	9.4	11	3.9	4.6	2.7
27	7.9	16	11	11	20	19	13	9.2	68	3.8	4.6	3.2
28	11	67	11	11	295	500	13	8.3	88	24	4.8	2.9
29	8.4	14	11	11	---	76	13	8.3	21	97	4.1	3.1
30	7.6	11	11	38	---	34	16	9.3	14	41	3.9	3.3
31	6.3	---	10	20	---	31	---	8.6	---	63	3.9	---
TOTAL	327.2	610.1	1,141.2	682.4	976	1,624	957	414.2	988.6	459.4	318.9	93.7
MEAN	10.6	20.3	36.8	22.0	34.9	52.4	31.9	13.4	33.0	14.8	10.3	3.12
MAX	56	159	513	253	295	500	232	37	149	97	67	5.6
MIN	6.3	5.8	8.1	9.3	11	14	13	8.3	9.6	3.8	3.9	2.6
CFSM	0.40	0.77	1.40	0.84	1.33	1.99	1.21	0.51	1.25	0.56	0.39	0.12
IN.	0.46	0.86	1.61	0.97	1.38	2.30	1.35	0.59	1.40	0.65	0.45	0.13

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

MEAN	14.4	17.1	26.7	30.4	38.3	42.9	37.7	26.7	20.0	18.2	9.01	17.5
MAX	36.3	41.6	66.9	94.0	73.3	106	154	125	69.0	42.7	18.5	54.0
(WY)	(1998)	(2003)	(2003)	(1998)	(1998)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	3.63	3.21	6.40	10.2	15.4	12.1	8.61	8.96	5.20	4.68	2.50	3.12
(WY)	(2001)	(2002)	(2002)	(2001)	(2001)	(1999)	(2002)	(1999)	(2000)	(1999)	(1999)	(2005)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1997 - 2005	
ANNUAL TOTAL	8,435.0		8,592.7		24.5	
ANNUAL MEAN	23.0		23.5		62.4	
HIGHEST ANNUAL MEAN					10.6	
LOWEST ANNUAL MEAN					1999	
HIGHEST DAILY MEAN	513	Dec 10	513	Dec 10	1,270	Apr 10, 2003
LOWEST DAILY MEAN	4.0	Jul 10	2.6	Sep 11	0.59	Sep 25, 1999
ANNUAL SEVEN-DAY MINIMUM	5.0	Aug 23	2.8	Sep 9	0.99	Sep 20, 1999
MAXIMUM PEAK FLOW			840	Dec 10	2,690	May 22, 2003
MAXIMUM PEAK STAGE			10.77	Dec 10	13.55	May 22, 2003
INSTANTANEOUS LOW FLOW			2.0*	Sep 11	0.29	Sep 23, 1999
ANNUAL RUNOFF (CFSM)	0.876		0.895		0.932	
ANNUAL RUNOFF (INCHES)	11.93		12.15		12.66	
10 PERCENT EXCEEDS	40		38		43	
50 PERCENT EXCEEDS	11		12		9.9	
90 PERCENT EXCEEDS	6.3		4.6		3.4	

\* See REMARKS.

e Estimated.

