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^2.

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, 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 Oct. 10.

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	3.1	7.8	8.4	29	28	45	31	21	87	8.3	28	17
2	2.9	7.0	8.4	21	21	80	23	24	24	218	16	17
3	3.0	6.6	7.9	48	18	34	20	59	341	41	30	9.3
4	3.0	6.3	8.7	23	20	26	18	156	340	20	43	30
5	2.7	26	313	20	15	26	24	73	48	17	35	15
6	2.8	96	103	18	15	380	17	313	27	21	15	10
7	2.9	15	49	16	93	85	395	93	391	30	13	8.8
8	2.7	11	32	16	26	41	111	36	340	22	13	15
9	2.6	8.5	22	15	20	31	e450	23	81	15	12	11
10	2.3	7.9	17	14	19	26	1,270	18	32	13	45	8.8
11	211	17	78	13	17	23	435	15	22	33	67	8.0
12	20	424	26	13	15	21	102	e14	24	25	17	8.0
13	97	97	265	14	14	20	81	e12	19	228	25	7.6
14	17	29	108	13	16	24	57	e10	15	189	14	7.9
15	15	19	34	13	27	38	27	e14	12	37	14	7.5
16	195	151	26	13	20	371	23	22	49	25	13	e6.4
17	22	149	21	13	23	73	20	12	22	25	12	e5.8
18	10	31	18	12	79	49	465	26	44	31	12	6.5
19	7.2	22	16	12	44	35	297	25	36	72	11	6.4
20	6.3	17	44	12	27	1,070	101	13	18	22	10	6.5
21	18	15	21	12	22	249	52	20	13	20	11	6.0
22	15	12	17	11	301	58	39	1,230	11	34	12	16
23	7.8	11	14	15	202	35	31	533	10	34	12	298
24	6.7	10	304	18	48	27	28	72	9.7	22	19	27
25	6.3	8.9	316	16	33	22	28	570	8.9	17	11	17
26	7.7	8.6	66	13	43	19	262	99	8.6	22	9.6	14
27	6.3	8.3	38	12	212	20	47	138	9.8	20	9.6	21
28	66	8.6	30	12	89	16	26	35	9.6	15	8.3	52
29	30	8.5	24	18	---	16	95	27	9.0	14	10	15
30	15	8.6	19	158	---	252	46	20	8.1	17	8.6	15
31	9.9	---	18	55	---	64	---	165	---	16	17	---
TOTAL	817.2	1,247.6	2,072.4	688	1,507	3,276	4,621	3,888	2,069.7	1,323.3	573.1	693.5
MEAN	26.4	41.6	66.9	22.2	53.8	106	154	125	69.0	42.7	18.5	23.1
MAX	211	424	316	158	301	1,070	1,270	1,230	391	228	67	298
MIN	2.3	6.3	7.9	11	14	16	17	10	8.1	8.3	8.3	5.8
CFSM	1.00	1.58	2.54	0.84	2.05	4.02	5.86	4.77	2.62	1.62	0.70	0.88
IN.	1.16	1.76	2.93	0.97	2.13	4.63	6.54	5.50	2.93	1.87	0.81	0.98

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2003, BY WATER YEAR (WY)

MEAN	15.1	17.7	26.3	34.4	39.1	45.4	40.3	30.8	18.6	17.6	8.10	14.3
MAX	36.3	41.6	66.9	94.0	73.3	106	154	125	69.0	42.7	18.5	24.0
(WY)	(1998)	(2003)	(2003)	(1998)	(1998)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(1997)
MIN	3.63	3.21	6.40	10.2	15.4	12.1	8.61	8.96	5.20	4.68	2.50	5.35
(WY)	(2001)	(2002)	(2002)	(2001)	(2001)	(1999)	(2002)	(1999)	(2000)	(1999)	(1999)	(1999)

0214266000 MCDOWELL CREEK NEAR CHARLOTTE, NC—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1997 - 2003	
ANNUAL TOTAL	8,114.1		22,776.8			
ANNUAL MEAN	22.2		62.4		25.2	
HIGHEST ANNUAL MEAN					62.4	2003
LOWEST ANNUAL MEAN					10.6	1999
HIGHEST DAILY MEAN	424	Nov 12	1,270	Apr 10	1,270	Apr 10, 2003
LOWEST DAILY MEAN	1.3	Jul 8	2.3	Oct 10	0.59	Sep 25, 1999
ANNUAL SEVEN-DAY MINIMUM	1.5	Jul 7	2.7	Oct 4	0.99	Sep 20, 1999
MAXIMUM PEAK FLOW			2,690	May 22	2,690	May 22, 2003
MAXIMUM PEAK STAGE			13.55	May 22	13.55	May 22, 2003
INSTANTANEOUS LOW FLOW			2.0*	Oct 9	0.29	Sep 23, 1999
ANNUAL RUNOFF (CFSM)	0.85		2.37		0.96	
ANNUAL RUNOFF (INCHES)	11.48		32.22		13.04	
10 PERCENT EXCEEDS	50		157		45	
50 PERCENT EXCEEDS	8.2		20		8.9	
90 PERCENT EXCEEDS	2.5		8.3		3.2	

e Estimated.
* See REMARKS.