

02146562 CAMPBELL CREEK NEAR CHARLOTTE, NC

LOCATION.--Lat 35°11'12", long 80°44'12", Mecklenburg County, Hydrologic Unit 03050103, on right bank upstream side culvert on Secondary Road 3150, 2.3 mi upstream from mouth, and 6.0 mi east of Charlotte.

DRAINAGE AREA.--5.6 mi².

PERIOD OF RECORD.--June 1999 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 663.92 ft above North American Vertical Datum of 1988. Radio telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. No flow also occurred Aug. 10-14, 2002. Maximum discharge for period of record and current water year from rating curve extended above 540 ft³/s based on culvert computation of peak flow. Minimum discharge for the current water year also occurred June 13, 18-21.

REVISIONS.--The maximum discharge for the water years 2000 and 2002 have been revised to 739 ft³/s, July 12, 2000, gage height, 4.98 ft and 700 ft³/s, Aug. 31, 2002, gage height, 4.88 ft superseding figures published in reports for 2000 and 2002.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.60	0.61	e0.78	0.58	1.3	28	15	5.0	0.48	1.4	1.4	1.8
2	0.59	0.66	e0.75	0.60	1.3	14	2.9	17	0.37	0.80	1.8	0.94
3	0.58	0.74	0.83	0.60	18	5.2	1.8	2.8	0.34	1.7	1.2	0.79
4	0.59	0.82	3.0	0.69	2.1	3.4	1.6	1.2	0.56	0.87	0.89	0.65
5	0.69	1.0	2.7	4.9	1.6	2.7	1.4	1.0	0.36	17	0.82	0.61
6	0.71	1.2	1.1	1.7	50	2.5	1.4	0.88	0.39	4.6	0.73	0.82
7	0.79	1.3	0.79	0.68	16	2.1	1.4	0.78	0.41	0.92	0.61	127
8	8.9	2.9	0.75	0.61	4.0	2.4	1.4	0.74	2.9	0.73	0.59	131
9	2.5	0.99	0.70	1.8	2.5	2.3	1.2	0.71	3.3	0.62	0.54	7.4
10	0.86	0.91	32	0.89	1.8	2.3	1.1	0.64	0.91	0.58	0.50	2.3
11	17	0.97	4.4	0.72	1.6	1.9	1.1	0.61	0.37	2.1	0.99	1.4
12	1.1	0.91	0.97	0.82	23	1.8	4.0	0.65	0.32	2.0	e9.2	1.1
13	0.76	0.97	9.8	0.84	4.3	1.8	17	0.60	4.1	0.74	e74	0.99
14	0.70	1.1	34	0.83	6.2	1.7	2.6	0.53	9.0	0.58	52	1.1
15	0.85	1.2	2.9	0.89	10	3.2	1.6	0.52	3.5	0.54	5.5	0.96
16	0.86	1.2	1.2	0.79	5.9	5.9	1.3	0.52	1.9	0.53	1.6	0.98
17	0.82	1.3	8.2	0.75	2.6	2.1	1.1	0.51	0.59	101	0.91	41
18	0.88	1.4	1.5	4.0	2.1	e1.8	1.1	0.51	0.33	87	0.76	4.7
19	0.88	12	0.95	1.2	1.8	e2.3	1.1	0.51	0.32	2.2	0.65	1.6
20	0.88	1.4	0.76	0.94	1.6	2.0	1.1	0.48	0.32	0.95	0.60	1.1
21	0.92	0.83	0.60	0.94	1.7	e4.7	1.0	0.46	5.4	0.76	0.99	1.0
22	0.96	0.78	0.67	0.94	1.5	1.7	1.0	0.43	0.88	0.77	0.92	1.0
23	0.94	0.80	0.69	0.94	1.5	1.6	1.0	0.43	25	0.77	0.60	0.93
24	1.0	0.94	0.88	0.94	1.7	1.7	0.96	0.48	21	0.60	0.55	0.84
25	0.96	1.1	0.54	2.0	1.6	1.7	0.86	0.44	21	0.60	0.52	0.86
26	1.1	1.1	0.51	1.3	3.3	1.6	1.5	0.43	16	0.74	0.52	0.86
27	0.91	1.1	0.52	3.5	18	1.6	1.2	0.45	1.6	137	0.50	55
28	12	1.8	0.57	3.5	28	1.6	0.83	1.1	1.0	17	0.48	221
29	16	e0.81	0.60	2.1	23	1.4	0.78	0.53	0.88	39	15	6.9
30	1.0	e0.76	0.60	1.6	---	4.0	0.79	0.40	0.88	6.4	25	2.2
31	0.73	---	0.57	1.5	---	18	---	3.7	---	2.0	22	---
TOTAL	78.06	43.60	114.83	44.09	238.0	129.0	71.12	45.04	124.41	432.50	222.37	618.83
MEAN	2.52	1.45	3.70	1.42	8.21	4.16	2.37	1.45	4.15	14.0	7.17	20.6
MAX	17	12	34	4.9	50	28	17	17	25	137	74	221
MIN	0.58	0.61	0.51	0.58	1.3	1.4	0.78	0.40	0.32	0.53	0.48	0.61
CFSM	0.45	0.26	0.66	0.25	1.47	0.74	0.42	0.26	0.74	2.49	1.28	3.68
IN.	0.52	0.29	0.76	0.29	1.58	0.86	0.47	0.30	0.83	2.87	1.48	4.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

	4.25	2.94	4.68	5.14	6.72	9.70	7.10	5.70	7.99	6.92	4.78	8.27
MEAN	4.25	2.94	4.68	5.14	6.72	9.70	7.10	5.70	7.99	6.92	4.78	8.27
MAX	10.5	5.92	12.9	9.34	9.89	21.1	20.4	17.6	29.2	14.0	7.37	20.6
(WY)	(2000)	(2003)	(2003)	(2002)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)	(2002)	(2004)
MIN	0.54	0.83	1.90	1.42	2.69	4.16	1.88	1.45	1.05	1.09	0.98	1.47
(WY)	(2001)	(2002)	(2001)	(2004)	(2002)	(2004)	(2002)	(2004)	(2002)	(2002)	(2001)	(2003)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	3,959.01		2,161.85		6.33	
ANNUAL MEAN	10.8		5.91		3.39	
HIGHEST ANNUAL MEAN					12.3	2003
LOWEST ANNUAL MEAN					3.39	2002
HIGHEST DAILY MEAN	439	Jun 7	221	Sep 28	439	Jun 7, 2003
LOWEST DAILY MEAN	0.51	Dec 26	0.32	Jun 12	0.00	Aug 8, 2002
ANNUAL SEVEN-DAY MINIMUM	0.56	Dec 25	0.42	Jun 1	0.00	Aug 8, 2002
MAXIMUM PEAK FLOW			2,180	Jul 17	3,870*	Jun 7, 2003
MAXIMUM PEAK STAGE			7.04	Jul 17	9.66	Jun 7, 2003
INSTANTANEOUS LOW FLOW			0.28*	Jun 12	0.00*	Aug 8, 2002
ANNUAL RUNOFF (CFSM)	1.94		1.05		1.13	
ANNUAL RUNOFF (INCHES)	26.30		14.36		15.35	
10 PERCENT EXCEEDS	17		14		11	
50 PERCENT EXCEEDS	2.5		1.1		1.3	
90 PERCENT EXCEEDS	0.77		0.54		0.29	

* See REMARKS.
e Estimated.

