

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.

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	1.4	1.1	1.3	4.8	5.0	14	4.0	1.5	4.3	2.7	2.5	1.2
2	0.34	0.90	1.4	2.5	3.6	18	3.3	2.8	1.9	43	2.1	1.1
3	0.30	0.80	1.3	4.5	3.0	6.3	2.9	2.0	18	3.4	11	0.92
4	0.26	0.82	4.6	2.1	5.4	4.6	2.7	1.6	7.1	1.8	22	2.5
5	0.24	14	38	1.7	2.8	7.3	6.0	1.9	2.6	1.6	74	1.2
6	0.21	17	8.7	1.5	6.9	131	3.6	43	3.3	1.5	11	0.84
7	0.21	3.4	5.3	1.5	23	9.2	117	6.8	439	1.5	3.9	0.85
8	0.21	1.6	2.7	2.4	5.3	5.5	22	5.8	195	1.4	5.0	0.83
9	0.88	1.3	1.9	1.5	3.8	4.5	63	2.3	14	6.6	3.2	0.81
10	0.61	1.3	1.4	1.3	10	3.8	233	1.8	3.2	2.0	3.1	0.78
11	45	10	27	1.2	4.4	3.3	22	1.7	2.4	11	2.5	0.78
12	3.5	43	7.2	1.1	3.5	3.1	7.2	1.5	39	3.5	2.2	0.78
13	52	8.1	85	1.2	3.1	3.1	4.7	1.2	5.8	32	2.5	0.79
14	5.2	3.5	11	1.2	4.7	3.0	3.6	1.1	2.3	4.0	8.8	0.77
15	7.3	2.7	6.2	1.1	5.0	17	3.0	9.3	1.9	1.8	3.4	0.76
16	41	24	4.6	1.6	6.7	84	2.6	4.0	61	1.9	3.4	0.69
17	3.7	17	3.6	2.6	9.9	8.5	2.2	1.6	12	3.1	1.8	0.67
18	1.5	5.5	3.1	1.3	14	8.1	55	3.7	24	3.0	1.7	0.93
19	1.4	3.1	2.9	1.2	7.6	8.7	12	2.7	17	66	1.4	0.84
20	0.68	2.5	29	1.2	5.7	228	5.3	1.5	4.4	8.6	1.4	0.65
21	4.0	2.1	5.3	2.8	4.7	11	4.3	57	2.4	9.2	1.3	0.65
22	5.9	1.9	3.2	2.0	65	6.0	3.3	190	1.9	4.7	1.3	6.6
23	1.4	2.0	2.3	4.4	10	4.3	2.3	14	1.7	3.3	1.3	11
24	0.83	1.6	80	3.0	4.9	3.5	2.0	13	1.6	2.1	1.1	0.92
25	0.94	1.6	42	2.5	3.7	3.1	4.8	29	1.6	1.6	1.1	0.66
26	1.3	1.5	6.9	2.5	7.3	2.8	12	11	1.5	e1.6	1.1	0.60
27	0.67	1.4	4.1	2.1	38	2.6	3.6	111	2.1	e2.8	1.0	1.6
28	13	1.3	2.8	1.6	10	2.5	2.2	5.7	2.9	e3.8	1.0	2.2
29	6.2	1.3	2.2	3.5	---	2.5	1.8	3.1	1.5	166	1.3	0.61
30	3.2	1.4	1.8	44	---	37	1.7	2.3	1.5	13	6.0	0.59
31	1.5	---	1.6	9.8	---	6.8	---	11	---	3.4	2.4	---
TOTAL	204.88	177.72	398.4	115.7	277.0	653.1	613.1	544.9	876.9	411.9	185.8	44.12
MEAN	6.61	5.92	12.9	3.73	9.89	21.1	20.4	17.6	29.2	13.3	5.99	1.47
MAX	52	43	85	44	65	228	233	190	439	166	74	11
MIN	0.21	0.80	1.3	1.1	2.8	2.5	1.7	1.1	1.5	1.4	1.0	0.59
CFSM	1.18	1.06	2.29	0.67	1.77	3.76	3.65	3.14	5.22	2.37	1.07	0.26
IN.	1.36	1.18	2.65	0.77	1.84	4.34	4.07	3.62	5.83	2.74	1.23	0.29

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

MEAN	4.68	3.32	4.93	6.07	6.34	11.1	8.28	6.76	8.95	5.51	4.30	5.80
MAX	10.5	5.92	12.9	9.34	9.89	21.1	20.4	17.6	29.2	13.3	7.37	14.1
(WY)	(2000)	(2003)	(2003)	(2002)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(2000)
MIN	0.54	0.83	1.90	2.88	2.69	5.35	1.88	2.94	1.05	1.09	0.98	1.47
(WY)	(2001)	(2002)	(2001)	(2001)	(2002)	(2000)	(2002)	(2001)	(2002)	(2002)	(2001)	(2003)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1999 - 2003	
ANNUAL TOTAL	1,879.89		4,503.52		6.43	
ANNUAL MEAN	5.15		12.3		3.39	
HIGHEST ANNUAL MEAN					12.3	2003
LOWEST ANNUAL MEAN					3.39	2002
HIGHEST DAILY MEAN	159	Aug 31	439	Jun 7	439	Jun 7, 2003
LOWEST DAILY MEAN	0.00	Aug 8	0.21	Oct 6	0.00	Aug 8, 2002
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 8	0.25	Oct 2	0.00	Aug 8, 2002
MAXIMUM PEAK FLOW			3,870*	Jun 7	3,870*	Jun 7, 2003
MAXIMUM PEAK STAGE			9.66	Jun 7	9.66	Jun 7, 2003
INSTANTANEOUS LOW FLOW			0.05	Oct 10	0.00*	Aug 8, 2002
ANNUAL RUNOFF (CFSM)	0.92		2.20		1.15	
ANNUAL RUNOFF (INCHES)	12.49		29.92		15.60	
10 PERCENT EXCEEDS	11		24		11	
50 PERCENT EXCEEDS	1.3		3.0		1.4	
90 PERCENT EXCEEDS	0.15		0.93		0.22	

e Estimated.
 * See REMARKS.

