

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.

REVISED RECORDS.--WDR NC-04-1: 2000(M), 2002(M).

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.--No estimated daily discharges. Records fair. No flow also occurred Aug. 10-14, 2002. Maximum discharge for period of record from rating curve extended above 540 ft³/s based on culvert computation of peak flow.

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	1.4	1.7	4.2	1.9	1.9	12	9.3	6.8	18	42	1.5	0.27
2	1.1	2.5	2.2	1.9	1.6	6.2	9.9	2.5	57	9.4	0.72	0.25
3	2.3	4.3	2.1	2.0	29	4.7	5.2	2.1	4.3	1.3	0.54	0.22
4	1.3	26	2.0	2.0	6.5	4.2	4.2	2.1	1.6	0.79	0.48	0.22
5	1.9	4.4	2.0	2.6	2.9	3.8	3.7	2.1	0.91	0.65	0.44	0.22
6	0.88	2.2	7.1	2.5	2.1	3.4	3.4	2.6	0.73	0.60	0.43	0.22
7	0.86	2.0	4.1	2.0	2.0	3.5	7.1	2.0	1.8	36	0.42	0.24
8	0.85	1.8	2.4	2.0	2.0	41	5.8	1.8	0.75	5.7	2.7	0.34
9	0.87	1.7	5.1	1.9	2.0	7.6	4.0	1.8	0.60	1.1	18	0.24
10	0.86	1.7	38	2.0	1.9	5.0	3.2	22	2.8	0.70	6.1	0.22
11	0.86	1.7	5.9	2.0	1.7	4.0	2.8	8.8	1.0	11	0.81	0.22
12	0.96	15	3.2	2.0	1.7	3.5	32	26	0.55	2.5	0.51	0.24
13	44	3.7	2.8	2.0	1.7	3.3	47	8.0	0.56	2.1	0.49	0.26
14	3.2	1.9	2.5	63	16	5.2	33	2.8	0.55	0.95	0.46	0.27
15	2.3	1.7	2.4	4.9	4.6	3.4	7.3	1.9	0.49	0.71	0.43	0.27
16	1.5	1.7	2.4	2.4	2.4	35	4.7	1.7	0.44	0.59	0.37	1.3
17	1.4	1.7	2.7	1.8	1.9	30	3.8	1.6	0.42	0.49	0.59	0.30
18	1.3	1.7	2.4	1.5	1.7	8.9	3.4	1.5	0.41	0.48	2.6	0.26
19	1.4	1.7	2.5	1.4	1.6	5.6	3.0	1.4	0.40	0.46	0.48	0.22
20	1.3	1.8	2.3	1.4	3.4	4.6	2.8	17	0.43	0.84	0.45	0.16
21	1.3	1.8	2.4	1.4	16	4.0	2.7	1.2	0.45	0.92	0.43	0.17
22	1.3	1.8	2.3	1.3	4.9	19	6.8	0.75	0.42	4.3	0.31	0.18
23	1.3	8.2	15	1.4	2.4	34	3.9	0.70	0.37	0.90	17	0.19
24	2.0	15	3.5	1.3	26	8.8	2.6	0.84	0.35	0.47	1.0	0.21
25	1.4	8.4	2.4	1.4	5.2	5.6	2.4	0.56	0.33	0.40	0.42	0.20
26	1.4	2.6	2.2	1.4	3.1	4.6	2.3	1.2	2.7	0.38	0.36	0.23
27	1.4	11	2.1	1.5	6.1	6.9	2.4	1.4	1.1	0.38	0.32	0.31
28	2.0	13	2.0	1.2	62	59	2.3	0.45	14	6.3	0.32	0.31
29	1.7	3.0	2.2	3.1	---	10	2.3	0.44	0.96	36	0.31	3.4
30	1.6	2.4	2.1	15	---	5.9	8.4	3.1	0.98	17	1.8	0.35
31	1.7	---	2.0	3.0	---	24	---	0.64	---	7.3	0.62	---
TOTAL	87.64	148.1	136.5	135.2	214.3	376.7	231.7	127.78	115.40	192.71	61.41	11.49
MEAN	2.83	4.94	4.40	4.36	7.65	12.2	7.72	4.12	3.85	6.22	1.98	0.38
MAX	44	26	38	63	62	59	47	26	57	42	18	3.4
MIN	0.85	1.7	2.0	1.2	1.6	3.3	2.3	0.44	0.33	0.38	0.31	0.16
CFSM	0.50	0.88	0.79	0.78	1.37	2.17	1.38	0.74	0.69	1.11	0.35	0.07
IN.	0.58	0.98	0.91	0.90	1.42	2.50	1.54	0.85	0.77	1.28	0.41	0.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	4.01	3.28	4.64	5.01	6.87	10.1	7.21	5.43	7.30	6.82	4.38	7.15
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	0.38
(WY)	(2001)	(2002)	(2001)	(2004)	(2002)	(2004)	(2002)	(2004)	(2002)	(2002)	(2001)	(2005)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1999 - 2005	
ANNUAL TOTAL	2,297.60		1,838.93		6.11	
ANNUAL MEAN	6.28		5.04		3.39	
HIGHEST ANNUAL MEAN					12.3	2003
LOWEST ANNUAL MEAN					3.39	2002
HIGHEST DAILY MEAN	221	Sep 28	63	Jan 14	439	Jun 7, 2003
LOWEST DAILY MEAN	0.32	Jun 12	0.16	Sep 20	0.00	Aug 8, 2002
ANNUAL SEVEN-DAY MINIMUM	0.42	Jun 1	0.19	Sep 19	0.00	Aug 8, 2002
MAXIMUM PEAK FLOW			282	Oct 13	3,870*	Jun 7, 2003
MAXIMUM PEAK STAGE			3.49	Oct 13	9.66	Jun 7, 2003
INSTANTANEOUS LOW FLOW			0.11	Sep 9	0.00*	Aug 8, 2002
ANNUAL RUNOFF (CFSM)	1.12		0.900		1.09	
ANNUAL RUNOFF (INCHES)	15.26		12.22		14.83	
10 PERCENT EXCEEDS	15		12		11	
50 PERCENT EXCEEDS	1.6		2.0		1.4	
90 PERCENT EXCEEDS	0.56		0.37		0.31	

* See REMARKS.

