

0208758850 SWIFT CREEK NEAR MCCULLARS CROSSROADS, NC

LOCATION.--Lat 35°41'37", long 78°41'32", Wake County, Hydrologic Unit 03020201, 0.1 mi downstream of Secondary Road 1375, 0.1 mi downstream of Lake Wheeler, and 2.0 mi north of McCullars Crossroads.

DRAINAGE AREA.--35.8 mi<sup>2</sup>.

PERIOD OF RECORD.--December 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is 251.46 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records good. Some regulation by Lake Wheeler (station 02087588). Minimum flow for current year also occurred June 25. Maximum gage height for period of record from floodmarks. No flow also occurred part of each day, June 27, 28, 29, 1993.

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	5.6	25	9.6	15	36	67	38	23	13	18	21	102
2	4.3	18	4.3	15	30	49	43	65	6.0	13	29	42
3	2.7	15	2.5	15	81	41	34	251	1.4	9.1	59	23
4	4.3	13	5.0	16	109	34	29	124	8.1	6.6	30	18
5	1.9	13	30	19	64	31	23	64	20	5.4	19	16
6	2.3	15	33	26	44	32	19	38	14	1.8	144	45
7	2.3	28	22	23	166	33	19	28	12	1.6	61	149
8	6.2	33	16	18	102	40	19	21	17	0.65	23	179
9	14	29	12	18	58	34	19	19	14	0.29	13	254
10	16	22	29	22	41	38	19	17	13	0.26	7.9	75
11	18	17	252	21	34	37	19	14	9.2	0.33	3.0	35
12	17	17	111	19	70	28	30	12	3.9	0.42	9.8	22
13	14	16	53	17	118	23	82	20	1.6	5.2	77	18
14	14	7.0	179	16	72	20	89	16	1.7	7.2	658	18
15	22	4.9	166	17	65	46	63	13	1.8	8.3	554	46
16	18	6.0	78	15	102	194	41	8.1	2.0	3.8	396	37
17	14	7.3	64	14	88	191	30	4.0	2.0	1.4	92	68
18	14	8.2	69	26	69	111	25	2.6	1.8	6.4	40	622
19	13	44	48	38	54	117	23	3.1	0.86	9.2	25	175
20	11	130	35	30	44	85	21	12	0.31	5.3	19	56
21	11	63	25	22	38	62	20	15	0.10	2.2	16	29
22	7.6	32	21	19	32	43	19	11	0.16	1.7	115	19
23	4.4	21	20	17	28	32	18	8.3	0.10	29	63	15
24	2.4	16	27	16	26	28	17	9.2	0.04	26	28	12
25	2.3	12	26	16	24	26	17	5.2	0.13	15	17	9.9
26	3.6	9.4	21	23	24	26	17	3.4	8.1	10	13	8.1
27	6.6	7.7	18	24	55	27	36	1.5	16	5.7	11	7.4
28	8.9	14	17	23	92	24	35	1.4	28	2.8	7.7	40
29	151	16	16	24	91	23	27	0.18	64	3.8	5.0	55
30	104	11	18	34	---	22	25	16	30	15	325	30
31	44	---	16	41	---	25	---	21	---	18	449	---
TOTAL	560.4	670.5	1,443.4	659	1,857	1,589	916	846.98	290.30	233.45	3,330.4	2,225.4
MEAN	18.1	22.4	46.6	21.3	64.0	51.3	30.5	27.3	9.68	7.53	107	74.2
MAX	151	130	252	41	166	194	89	251	64	29	658	622
MIN	1.9	4.9	2.5	14	24	20	17	0.18	0.04	0.26	3.0	7.4

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	26.4	25.9	26.8	60.2	58.2	71.3	42.5	22.8	28.7	24.1	30.0	48.3
MAX	106	69.4	74.2	183	159	183	110	75.7	91.5	130	112	323
(WY)	(1996)	(1996)	(2003)	(1998)	(1998)	(1998)	(2003)	(1989)	(2001)	(2001)	(2003)	(1999)
MIN	4.38	0.99	7.46	12.1	14.4	15.1	10.7	4.95	0.06	1.16	0.61	0.11
(WY)	(1992)	(2002)	(2002)	(2001)	(1991)	(1988)	(1995)	(2000)	(2002)	(1988)	(1997)	(1990)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1988 - 2004

ANNUAL TOTAL	22,449.72		14,621.83		
ANNUAL MEAN	61.5		40.0		39.8
HIGHEST ANNUAL MEAN					70.8
LOWEST ANNUAL MEAN					18.4
HIGHEST DAILY MEAN	1,090	Aug 9	658	Aug 14	2,700
LOWEST DAILY MEAN	0.43	Jul 28	0.04	Jun 24	0.01
ANNUAL SEVEN-DAY MINIMUM	2.1	Jul 22	0.24	Jun 19	0.02
MAXIMUM PEAK FLOW			971	Aug 14	6,790
MAXIMUM PEAK STAGE			9.66	Aug 14	14.15*
INSTANTANEOUS LOW FLOW			0.03*	Jun 24	0.00*
10 PERCENT EXCEEDS	129		86		81
50 PERCENT EXCEEDS	27		19		15
90 PERCENT EXCEEDS	8.3		2.9		0.49

\* See REMARKS.

0208758850 SWIFT CREEK NEAR MCCULLARS CROSSROADS, NC—Continued

