

0208758850 SWIFT CREEK NEAR MCCULLARS CROSSROADS, NC

LOCATION.--Lat 35°41'34", long 78°41'33", 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 mi².

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 fair except those for estimated daily discharges, which are poor. Some regulation by Lake Wheeler (station 02087588). 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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.32	43	18	111	59	150	53	25	38	64	31	260
2	0.32	28	18	128	38	240	35	24	28	289	85	62
3	0.31	21	17	83	29	127	28	20	21	572	72	28
4	0.32	20	18	67	31	68	25	19	20	105	33	19
5	0.47	20	173	45	31	58	27	18	20	46	82	33
6	0.27	123	174	36	28	390	28	26	18	27	61	23
7	0.19	91	102	29	171	282	57	29	25	20	35	16
8	0.18	46	65	25	119	92	102	25	192	16	732	21
9	0.18	30	45	23	59	57	397	23	113	14	1,090	39
10	0.21	24	35	22	65	41	890	20	49	14	289	24
11	326	25	47	21	77	33	778	21	29	15	224	17
12	738	100	68	19	51	30	156	18	29	13	75	14
13	104	280	141	19	34	29	82	11	44	11	38	12
14	42	115	326	18	27	40	53	7.4	29	12	29	12
15	27	61	102	18	29	37	43	6.2	52	15	35	11
16	56	43	58	17	33	119	36	12	266	14	26	15
17	50	94	38	20	44	123	31	13	159	15	21	16
18	30	124	29	19	47	67	28	14	65	14	33	63
19	22	e70	26	19	87	45	29	37	77	15	130	231
20	17	e40	81	19	77	421	29	39	70	12	54	83
21	130	e28	108	16	59	591	28	27	67	9.3	29	34
22	104	e26	58	17	144	129	32	104	38	6.8	21	23
23	64	e25	37	19	635	67	29	158	26	3.1	18	78
24	36	e24	52	18	129	45	25	87	21	1.6	16	70
25	26	e23	164	16	63	36	27	52	18	0.79	13	33
26	22	22	109	17	43	31	53	49	16	1.1	11	20
27	19	22	e68	17	135	26	76	35	14	1.0	8.8	16
28	29	20	40	16	589	24	52	29	14	0.43	7.4	14
29	82	21	31	17	---	27	36	23	17	8.4	5.8	11
30	117	21	27	29	---	60	29	27	20	141	4.8	7.5
31	81	---	25	85	---	92	---	26	---	63	172	---
TOTAL	2,124.77	1,630	2,300	1,025	2,933	3,577	3,294	1,024.6	1,595	1,539.52	3,481.8	1,305.5
MEAN	68.5	54.3	74.2	33.1	105	115	110	33.1	53.2	49.7	112	43.5
MAX	738	280	326	128	635	591	890	158	266	572	1,090	260
MIN	0.18	20	17	16	27	24	25	6.2	14	0.43	4.8	7.5

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2003, BY WATER YEAR (WY)

MEAN	27.0	26.2	25.4	62.6	57.9	72.6	43.2	22.6	29.9	25.2	24.9	46.5
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	0.061	1.16	0.61	0.11
(WY)	(1992)	(2002)	(2002)	(2001)	(1991)	(1988)	(1995)	(2000)	(2002)	(1988)	(1997)	(1990)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1988 - 2003

ANNUAL TOTAL	12,725.43	25,830.19	
ANNUAL MEAN	34.9	70.8	39.8
HIGHEST ANNUAL MEAN			70.8
LOWEST ANNUAL MEAN			18.4
HIGHEST DAILY MEAN	821	Apr 1	2,700
LOWEST DAILY MEAN	0.02	Jun 23	0.01
ANNUAL SEVEN-DAY MINIMUM	0.02	Jun 29	0.02
MAXIMUM PEAK FLOW		1,940	6,790
MAXIMUM PEAK STAGE		11.41	14.15*
INSTANTANEOUS LOW FLOW		0.13	0.00*
10 PERCENT EXCEEDS	85	137	81
50 PERCENT EXCEEDS	13	30	14
90 PERCENT EXCEEDS	0.07	13	0.41

e Estimated.

* See REMARKS.

0208758850 SWIFT CREEK NEAR MCCULLARS CROSSROADS, NC—Continued

