

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 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.--No estimated daily discharges. Records good. 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. Minimum flow for current year also occurred June 27.

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	19	4.4	27	16	35	157	35	22	0.60	2.9	17	0.38
2	16	5.1	19	15	25	64	42	26	8.0	1.5	10	0.40
3	13	3.9	16	15	34	37	59	17	18	0.85	5.4	0.42
4	12	8.6	13	14	79	27	37	12	15	0.72	3.1	0.47
5	8.6	15	12	15	49	23	27	8.3	12	0.86	2.0	0.49
6	5.4	13	12	16	32	22	23	29	8.1	1.6	1.6	0.49
7	4.1	8.7	16	13	25	19	20	37	11	1.1	0.81	0.51
8	3.2	6.0	15	14	21	133	24	23	115	25	0.36	0.51
9	2.8	4.2	16	12	20	149	80	15	47	22	82	0.51
10	3.1	3.2	85	12	21	63	60	11	24	14	165	0.51
11	2.5	2.9	90	11	17	39	36	8.6	24	7.1	44	0.51
12	2.3	10	44	11	14	29	25	10	16	4.4	20	0.57
13	11	135	28	12	12	23	135	94	11	3.1	12	0.57
14	36	61	19	338	14	45	116	47	7.7	2.1	7.0	0.57
15	28	29	14	233	18	46	56	24	4.9	1.7	3.3	0.55
16	21	18	12	71	20	70	32	19	2.8	1.4	2.4	0.57
17	13	14	11	39	18	421	23	13	1.1	1.1	2.4	0.57
18	9.1	12	11	25	16	195	19	9.5	0.80	0.33	1.6	0.57
19	8.5	11	13	20	12	83	17	5.7	0.49	0.45	1.5	0.59
20	6.7	10	13	18	11	52	16	14	0.78	30	1.8	0.64
21	6.0	9.2	9.5	19	16	37	14	38	0.82	27	14	6.9
22	5.4	8.7	8.4	19	17	30	12	27	0.67	17	12	13
23	4.6	23	16	22	16	72	14	16	0.39	39	8.8	8.0
24	4.8	59	29	16	62	84	9.6	10	0.43	23	6.0	4.0
25	4.7	44	23	14	93	50	6.8	5.3	0.49	14	2.9	2.1
26	4.8	23	23	14	47	35	3.8	4.0	0.32	6.3	1.5	2.0
27	4.5	17	22	14	30	28	6.8	2.3	0.23	3.0	1.1	1.0
28	4.7	97	18	12	161	67	5.4	1.8	0.36	1.6	0.96	0.68
29	5.0	66	17	12	---	82	5.5	1.6	1.9	38	0.61	0.69
30	6.0	35	17	47	---	49	10	1.1	3.0	39	0.54	0.45
31	5.3	---	17	57	---	36	---	0.74	---	24	0.96	---
TOTAL	281.1	756.9	685.9	1,166	935	2,267	969.9	552.94	336.88	354.11	432.64	49.22
MEAN	9.07	25.2	22.1	37.6	33.4	73.1	32.3	17.8	11.2	11.4	14.0	1.64
MAX	36	135	90	338	161	421	135	94	115	39	165	13
MIN	2.3	2.9	8.4	11	11	19	3.8	0.74	0.23	0.33	0.36	0.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2005, BY WATER YEAR (WY)

MEAN	25.3	25.9	26.5	58.9	56.9	71.4	41.9	22.6	27.8	23.3	29.1	45.5
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	0.06	1.16	0.61	0.11
(WY)	(1992)	(2002)	(2002)	(2001)	(1991)	(1988)	(1995)	(2000)	(2002)	(1988)	(1997)	(1990)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1988 - 2005

ANNUAL TOTAL	13,671.43	8,787.59	
ANNUAL MEAN	37.4	24.1	
HIGHEST ANNUAL MEAN			38.7
LOWEST ANNUAL MEAN			70.8
HIGHEST DAILY MEAN	658	421	2,700
LOWEST DAILY MEAN	0.04	0.23	0.01
ANNUAL SEVEN-DAY MINIMUM	0.24	0.41	0.02
MAXIMUM PEAK FLOW		689	6,790
MAXIMUM PEAK STAGE		8.76	14.15*
INSTANTANEOUS LOW FLOW		0.19*	0.00*
10 PERCENT EXCEEDS	78	58	79
50 PERCENT EXCEEDS	19	13	15
90 PERCENT EXCEEDS	3.2	0.69	0.54

* See REMARKS.

