

NEUSE RIVER BASIN

0208758850 SWIFT CREEK NEAR MCCULLARS CROSSROADS, NC

LOCATION.--Lat 35°41'33", long 78°41'34", 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.--No estimated daily discharges. Records fair. 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 discharge for current water year also occurred June 30, July 1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.65	0.13	0.91	0.22	21	2.2	821	8.3	0.15	0.02	0.26	330
2	0.19	0.16	0.36	0.33	14	7.4	198	10	0.19	0.02	0.15	84
3	0.15	0.23	0.18	11	13	54	80	7.6	0.08	0.02	0.10	38
4	0.14	0.28	0.13	14	14	42	46	10	0.07	0.02	0.09	25
5	0.17	0.31	0.11	12	8.5	24	32	17	0.07	0.03	0.03	18
6	3.3	0.26	0.28	37	8.7	17	26	16	0.07	0.12	0.03	13
7	14	0.26	0.11	115	93	14	21	16	0.07	0.14	0.03	10
8	9.9	0.19	0.20	60	111	13	20	14	0.10	0.05	0.03	6.1
9	4.3	0.18	0.11	31	59	12	20	14	0.08	0.07	0.04	3.4
10	4.0	0.33	0.28	22	37	13	31	12	0.09	0.06	0.04	2.1
11	2.9	0.27	80	21	29	7.9	39	10	0.09	0.05	0.05	2.2
12	2.6	0.18	55	17	22	8.1	29	11	0.08	0.07	0.05	0.89
13	2.2	0.19	26	24	17	13	25	14	0.08	0.05	0.06	0.68
14	8.9	0.21	17	21	15	17	22	13	0.07	0.08	0.07	0.83
15	86	0.22	9.8	16	14	16	21	9.8	0.07	0.24	0.08	3.9
16	40	0.24	3.2	11	13	14	20	8.9	0.06	0.31	0.11	23
17	19	0.25	1.9	6.9	13	14	18	7.7	0.05	0.16	0.16	31
18	10	0.24	12	3.6	9.9	23	17	7.9	0.04	0.18	0.23	21
19	5.6	0.27	10	46	9.5	19	17	3.7	0.03	0.43	0.14	16
20	3.6	0.26	6.5	578	9.9	18	16	2.1	0.03	0.57	1.1	12
21	2.3	0.26	1.6	149	10	26	15	1.2	0.03	0.48	0.99	8.4
22	1.5	0.27	0.44	90	9.4	33	15	0.71	0.03	0.13	1.9	4.6
23	1.4	0.29	0.32	319	8.7	22	13	0.44	0.02	0.15	0.62	1.6
24	2.8	1.5	0.87	520	8.1	16	12	0.41	0.02	0.41	0.62	0.78
25	4.1	4.3	0.67	162	7.4	13	13	0.31	0.02	16	0.47	0.46
26	2.5	7.0	0.64	86	11	13	11	0.29	0.02	25	0.20	0.38
27	0.15	6.0	1.1	46	8.0	67	10	0.26	0.03	19	0.91	1.1
28	0.10	3.1	0.44	31	2.9	49	14	0.13	0.05	13	9.7	0.72
29	0.06	0.77	0.74	25	---	28	11	0.11	0.02	7.0	11	0.54
30	0.06	1.6	0.26	22	---	21	9.0	0.11	0.02	2.4	40	0.36
31	0.10	---	0.21	19	---	56	---	0.11	---	0.54	188	---
TOTAL	232.67	29.75	231.36	2516.05	597.0	692.6	1642.0	217.08	1.83	86.80	257.26	660.04
MEAN	7.505	0.992	7.463	81.16	21.32	22.34	54.73	7.003	0.061	2.800	8.299	22.00
MAX	86	7.0	80	578	111	67	821	17	0.19	25	188	330
MIN	0.06	0.13	0.11	0.22	2.9	2.2	9.0	0.11	0.02	0.02	0.03	0.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2002, BY WATER YEAR (WY)

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	23.76	24.00	21.95	64.60	54.76	69.72	38.78	21.86	28.36	23.43	18.62	46.74			
MAX	106	69.4	50.9	183	159	183	90.5	75.7	91.5	130	81.4	323			
(WY)	1996	1996	1990	1998	1998	1998	1993	1989	2001	2001	1989	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 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1988 - 2002

ANNUAL TOTAL	14340.53	7164.44		
ANNUAL MEAN	39.29	19.63	37.19	
HIGHEST ANNUAL MEAN			61.9	1998
LOWEST ANNUAL MEAN			18.4	1992
HIGHEST DAILY MEAN	1470	Jul 10	821	Apr 1
LOWEST DAILY MEAN	0.06	Oct 29	0.02	Jun 23
ANNUAL SEVEN-DAY MINIMUM	0.10	Sep 17	0.02	Jun 29
MAXIMUM PEAK FLOW			1100	Apr 1
MAXIMUM PEAK STAGE			10.01	Apr 1
INSTANTANEOUS LOW FLOW			0.01*	Jun 29
10 PERCENT EXCEEDS	60		32	73
50 PERCENT EXCEEDS	10		3.6	13
90 PERCENT EXCEEDS	0.22		0.07	0.34

\* See REMARKS.

0208758850 SWIFT CREEK NEAR MCCULLARS CROSSROADS, NC--Continued

