

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 mi².

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

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

REMARKS.--Records fair except during the period June 27 to Sept. 30, which are poor. Some regulation by Lake Wheeler (station 02087588). Maximum gage height for period of record from floodmarks. Minimum discharge for period of record, no flow, also occurred June 28, 29, 1993. Minimum discharge for current water year also occurred Sept. 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	1.5	6.5	3.9	11	16	312	4.8	46	9.7	19	30
2	10	1.3	5.7	4.1	9.7	12	501	3.3	521	3.6	15	23
3	9.2	.99	6.3	3.3	7.0	13	119	2.0	97	1.8	12	17
4	8.4	1.0	5.1	3.9	6.6	167	63	1.5	34	40	11	14
5	7.6	1.9	4.7	4.1	15	135	42	1.2	19	1080	8.4	12
6	7.4	1.9	3.4	5.3	18	67	32	.57	12	197	5.5	9.7
7	6.6	2.0	3.8	6.0	14	36	26	.25	9.1	55	4.4	7.2
8	4.9	2.3	3.0	8.9	11	28	23	.21	3.6	39	3.0	4.6
9	4.1	3.0	2.8	12	11	24	20	.21	3.1	63	2.2	2.7
10	3.5	5.0	3.4	11	11	19	17	.23	3.2	1470	3.0	1.7
11	2.5	1.7	4.1	13	8.7	17	15	.27	1.5	330	66	1.9
12	2.1	1.4	7.3	11	12	13	15	.42	1.0	95	434	1.7
13	2.2	1.4	3.9	12	24	18	13	.22	12	47	129	1.3
14	2.5	5.5	5.7	11	26	13	12	.12	116	31	87	.91
15	2.7	8.8	5.7	11	26	19	12	.08	565	22	40	.51
16	2.5	5.4	7.2	11	23	36	9.0	8.3	150	17	22	.22
17	2.4	5.5	47	9.5	78	27	5.9	15	659	15	16	.13
18	3.0	3.4	42	9.0	79	16	5.6	13	123	12	13	.09
19	3.0	5.6	29	10	42	11	2.9	11	45	10	16	.07
20	2.9	12	23	33	28	15	3.1	9.9	31	8.4	46	.07
21	3.4	11	16	45	22	758	3.9	15	22	6.1	32	.08
22	3.7	6.6	15	28	27	446	3.3	17	22	4.3	20	.13
23	3.4	3.9	10	19	34	114	3.2	14	58	2.3	15	.16
24	3.5	2.4	8.7	14	30	56	5.9	8.3	44	4.8	12	1.6
25	3.8	16	7.1	12	29	34	38	3.9	49	8.7	11	15
26	3.9	99	6.1	9.4	31	26	44	7.3	35	10	9.3	14
27	4.0	53	7.9	11	24	20	25	9.3	22	185	6.0	10
28	3.9	26	9.3	8.7	20	17	16	6.4	17	142	4.5	7.0
29	3.2	15	7.6	7.4	---	210	10	13	13	52	5.0	3.3
30	2.8	10	8.0	13	---	627	6.9	13	11	36	4.9	1.6
31	1.9	---	5.9	14	---	139	---	6.7	---	28	30	---
TOTAL	137.0	314.49	321.2	374.5	678.0	3149	1404.7	186.48	2744.5	4025.7	1102.2	181.67
MEAN	4.42	10.5	10.4	12.1	24.2	102	46.8	6.02	91.5	130	35.6	6.06
MAX	12	99	47	45	79	758	501	17	659	1470	434	30
MIN	1.9	.99	2.8	3.3	6.6	11	2.9	.08	1.0	1.8	2.2	.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2001, BY WATER YEAR (WY)

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	25.1	25.9	23.1	63.4	57.1	73.1	37.6	22.9	30.4	25.0	19.4	48.6		
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	3.16	7.81	12.1	14.4	15.1	10.7	4.95	.19	1.16	.61	.11		
(WY)	1992	1992	1989	2001	1991	1988	1995	2000	1999	1988	1997	1990		

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1988 - 2001

ANNUAL TOTAL	11775.45	14619.44		
ANNUAL MEAN	32.2	40.1	38.8	
HIGHEST ANNUAL MEAN			61.9	1998
LOWEST ANNUAL MEAN			18.4	1992
HIGHEST DAILY MEAN	723	Sep 26	1470	Jul 10
LOWEST DAILY MEAN	.19	May 21	.07	Sep 19
ANNUAL SEVEN-DAY MINIMUM	.93	May 15	.10	Sep 17
MAXIMUM PEAK FLOW			2160	Jul 10
MAXIMUM PEAK STAGE			11.69	Jul 10
INSTANTANEOUS LOW FLOW			.06*	Sep 19
10 PERCENT EXCEEDS	76	57	76	
50 PERCENT EXCEEDS	13	11	13	
90 PERCENT EXCEEDS	2.3	1.8	.48	

* See REMARKS.

0208758850 SWIFT CREEK NEAR MCCULLARS CROSSROADS, NC--Continued

