

NEUSE RIVER BASIN

02087275 CRABTREE CREEK AT US HIGHWAY 70 AT RALEIGH, NC

LOCATION.--Lat 35°50'15", long 78°40'26", Wake County, Hydrologic Unit 030200201, on left bank at upstream side of bridge on U.S. Highway 70, 0.6 mi upstream from Mine Creek, 4.4 mi northwest of Raleigh.

DRAINAGE AREA.--97.6 mi².

PERIOD OF RECORD.--June 1997 to current year. Unpublished records of gage height for water years 1988 to 1997 are available in the files of U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 203.72 ft above sea level. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Minimum for current water year also occurred July 23.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 29, 1973, reached a stage of about 27.69 ft, discharge, about 11,700 ft³/s.

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	57	18	47	21	38	51	1390	26	442	29	63	231
2	46	18	40	21	33	47	1100	23	698	25	52	150
3	37	18	36	20	29	55	557	21	334	19	42	101
4	32	18	34	22	29	458	336	20	180	28	33	76
5	27	18	31	23	61	329	208	16	119	67	27	62
6	25	18	29	22	49	218	149	16	82	45	24	53
7	22	18	28	22	40	144	116	15	61	29	20	45
8	20	19	26	27	35	108	95	14	46	38	18	34
9	19	19	24	26	32	89	81	14	37	65	17	29
10	19	19	25	23	34	72	70	15	29	167	18	28
11	19	19	25	21	31	62	60	15	25	71	83	24
12	19	19	26	21	45	55	53	22	22	48	379	19
13	19	19	24	20	71	57	48	36	28	36	265	17
14	19	60	24	20	80	50	42	21	272	29	324	16
15	19	41	25	21	81	74	36	22	446	23	179	14
16	19	25	58	21	71	89	35	112	450	18	113	14
17	19	25	176	19	466	73	32	76	614	15	79	15
18	19	22	119	19	297	62	31	71	260	16	69	15
19	18	35	95	23	182	53	28	60	125	15	70	14
20	18	53	93	105	125	106	27	136	79	13	64	17
21	18	36	72	89	94	1510	25	96	57	9.8	61	16
22	18	25	62	68	93	1100	24	79	56	8.6	53	15
23	18	22	49	57	95	536	23	64	106	8.3	43	17
24	18	21	41	48	81	303	33	47	101	14	75	35
25	17	115	35	42	75	187	119	36	116	11	66	31
26	17	207	30	36	77	134	86	39	98	16	53	19
27	17	114	29	32	66	101	55	39	86	533	45	17
28	18	91	27	30	58	82	43	50	54	240	72	15
29	18	72	25	28	---	710	35	60	49	154	67	14
30	19	58	24	50	---	1090	31	51	37	118	84	14
31	18	---	23	48	---	733	---	39	---	83	345	---
TOTAL	688	1262	1402	1045	2468	8738	4968	1351	5109	1991.7	2903	1167
MEAN	22.2	42.1	45.2	33.7	88.1	282	166	43.6	170	64.2	93.6	38.9
MAX	57	207	176	105	466	1510	1390	136	698	533	379	231
MIN	17	18	23	19	29	47	23	14	22	8.3	17	14
CFSM	.23	.43	.46	.35	.90	2.89	1.70	.45	1.74	.66	.96	.40
IN.	.26	.48	.53	.40	.94	3.33	1.89	.51	1.95	.76	1.11	.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2001, BY WATER YEAR (WY)

	1997	1998	1999	2000	2001
MEAN	67.9	49.7	74.1	224	201
MAX	160	80.8	92.4	422	412
(WY)	2000	1998	2000	1998	1998
MIN	22.2	37.1	45.2	33.7	87.8
(WY)	2001	2000	2001	2001	1999

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1997 - 2001

ANNUAL TOTAL	34954	33092.7		
ANNUAL MEAN	95.5	90.7	126	
HIGHEST ANNUAL MEAN			155	1998
LOWEST ANNUAL MEAN			90.7	2001
HIGHEST DAILY MEAN	1370	Aug 2	1510	Mar 21
LOWEST DAILY MEAN	12	Jul 12	8.3	Jul 23
ANNUAL SEVEN-DAY MINIMUM	14	Jul 6	11	Jul 19
MAXIMUM PEAK FLOW			2270	Jun 16
MAXIMUM PEAK STAGE			12.94	Jun 16
INSTANTANEOUS LOW FLOW			4.8*	Jul 22
ANNUAL RUNOFF (CFSM)	.98		.93	1.29
ANNUAL RUNOFF (INCHES)	13.32		12.61	17.58
10 PERCENT EXCEEDS	221		179	239
50 PERCENT EXCEEDS	46		37	48
90 PERCENT EXCEEDS	18		18	15

* See REMARKS.

02087275 CRABTREE CREEK AT US HIGHWAY 70 AT RALEIGH, NC--Continued

