

02087275 CRABTREE CREEK AT US HIGHWAY 70 AT RALEIGH, NC

LOCATION.--Lat 35°50'17", long 78°40'27", 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 Unpublished records of gage height for water years 1988 to 1997 are available in the files of U.S. Geological Survey.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 NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Minimum discharge for period of record also occurred June 16, 2002. Minimum discharge for current water year also occurred Sept. 12.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e70	e27	e120	e30	107	445	117	62	19	15	208	13
2	e63	e27	e90	e29	87	270	143	49	53	16	116	12
3	e60	e28	e73	e29	131	163	224	38	42	14	77	12
4	e169	e43	e63	e29	227	114	174	33	33	13	53	11
5	e133	e62	e54	e30	168	89	122	29	29	13	45	11
6	e93	e46	e50	e28	123	73	87	131	27	14	34	12
7	e67	e38	e47	30	97	62	69	93	355	28	25	12
8	e52	e35	e44	29	79	387	267	66	535	243	22	12
9	e43	e32	e49	30	67	367	520	52	235	191	578	11
10	e37	e28	e284	30	64	220	314	42	125	117	579	11
11	e33	e27	e317	29	53	146	192	36	84	74	397	11
12	e29	e124	e219	29	44	122	128	35	60	51	266	12
13	e156	e409	e145	31	42	94	212	47	46	36	175	12
14	e260	e234	e99	616	43	94	172	34	36	35	275	13
15	e202	e146	e76	607	46	79	120	31	30	27	315	13
16	e138	e103	e64	397	46	177	88	33	26	22	138	12
17	e92	e76	e56	223	43	737	71	29	22	19	125	12
18	e68	e63	e51	136	39	559	62	25	18	17	84	11
19	e56	e55	e50	93	34	347	55	30	16	17	60	12
20	e49	e48	e47	75	34	213	49	52	16	229	45	33
21	e41	e44	e42	75	39	142	44	75	15	149	48	82
22	e38	e41	e39	66	39	107	40	52	14	119	40	44
23	e34	e135	e44	62	37	156	38	43	16	155	40	32
24	e33	e222	e55	52	176	187	35	35	14	89	34	25
25	e33	e184	e47	48	190	148	32	32	13	57	28	22
26	e30	e128	e45	47	136	114	28	28	14	40	23	19
27	e29	e97	e42	43	101	92	28	24	15	30	19	18
28	e28	e338	e39	39	526	205	27	21	22	31	17	16
29	e28	e245	e35	37	---	227	29	20	21	646	16	14
30	e27	e166	e36	136	---	178	30	18	19	468	15	13
31	e27	---	e33	127	---	137	---	19	---	276	15	---
TOTAL	2,218	3,251	2,455	3,262	2,818	6,451	3,517	1,314	1,970	3,251	3,912	543
MEAN	71.5	108	79.2	105	101	208	117	42.4	65.7	105	126	18.1
MAX	260	409	317	616	526	737	520	131	535	646	579	82
MIN	27	27	33	28	34	62	27	18	13	13	15	11
CFSM	0.73	1.11	0.81	1.08	1.03	2.13	1.20	0.43	0.67	1.07	1.29	0.19
IN.	0.85	1.24	0.94	1.24	1.07	2.46	1.34	0.50	0.75	1.24	1.49	0.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

MEAN	97.5	74.8	107	169	183	217	133	51.3	65.1	85.2	118	177
MAX	352	201	308	422	412	429	310	92.8	170	166	331	939
(WY)	(2003)	(2003)	(2003)	(1998)	(1998)	(1998)	(2003)	(2003)	(2001)	(1997)	(2004)	(1999)
MIN	22.2	31.5	27.1	33.7	74.0	75.4	70.0	15.6	13.1	26.0	23.7	18.1
(WY)	(2001)	(2002)	(2002)	(2001)	(2002)	(2000)	(2004)	(2002)	(1999)	(1999)	(1997)	(2005)

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1997 - 2005	
ANNUAL TOTAL	42,003		34,962		125	
ANNUAL MEAN	115		95.8		213	
HIGHEST ANNUAL MEAN					68.8	2003
LOWEST ANNUAL MEAN					5,030	Sep 16, 1999
HIGHEST DAILY MEAN	1,790	Aug 14	737	Mar 17	4.9	Jun 13, 2002
LOWEST DAILY MEAN	10	Jun 22	11	Sep 4	5.6	Jun 12, 2002
ANNUAL SEVEN-DAY MINIMUM	16	May 23	11	Sep 4	7,080	Sep 16, 1999
MAXIMUM PEAK FLOW			1,920	Aug 9	21.50	Sep 16, 1999
MAXIMUM PEAK STAGE			12.07	Aug 9	1.6*	Jun 14, 2002
INSTANTANEOUS LOW FLOW			7.3*	Sep 11	1.28	
ANNUAL RUNOFF (CFSM)	1.18		0.981		17.35	
ANNUAL RUNOFF (INCHES)	16.01		13.33		274	
10 PERCENT EXCEEDS	246		227		53	
50 PERCENT EXCEEDS	63		47		15	
90 PERCENT EXCEEDS	28		16			

* See REMARKS.

e Estimated.

