

## 02087275 CRABTREE CREEK AT US HIGHWAY 70 AT RALEIGH, NC

LOCATION.--Lat 35°50'16", long 78°40'25", 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 mi<sup>2</sup>.

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 Unpublished records of gage height for water years 1988 to 1997 are available in the files of U.S. Geological Survey.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.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 29, 1973, reached a stage of about 27.69 ft, discharge, about 11,700 ft<sup>3</sup>/s.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	216	34	311	225	711	206	52	101	136	121	194
2	8.4	146	32	250	169	741	147	46	74	337	177	118
3	8.1	107	30	236	132	481	114	39	60	222	111	89
4	7.2	87	32	227	138	295	94	33	67	140	82	118
5	6.1	84	765	173	132	249	88	38	62	103	212	167
6	5.8	364	719	140	127	766	79	62	49	76	252	104
7	5.6	298	560	114	647	637	269	55	179	59	170	76
8	5.8	201	346	96	458	388	375	48	381	46	586	102
9	5.9	139	228	86	275	247	1,310	42	196	41	474	114
10	11	104	169	76	271	179	2,040	35	129	34	324	85
11	2,460	104	269	62	252	140	1,540	32	91	28	198	66
12	1,780	395	267	55	186	117	876	30	72	23	137	52
13	1,250	681	650	51	144	105	474	24	69	24	101	44
14	833	407	820	48	115	113	280	19	53	120	95	39
15	517	241	510	45	113	99	184	26	77	86	95	35
16	659	178	313	41	114	347	138	41	236	74	165	54
17	424	442	205	45	129	398	109	28	214	58	235	70
18	248	555	152	42	191	275	88	30	142	44	242	212
19	160	334	132	39	291	199	78	100	381	49	132	374
20	113	212	344	39	256	1,350	70	76	526	35	81	214
21	155	152	309	37	207	1,180	64	59	379	30	62	141
22	202	121	210	36	759	684	60	287	203	25	134	113
23	163	94	156	39	1,040	410	52	416	135	91	139	339
24	121	77	270	36	632	242	46	271	97	67	97	260
25	95	66	670	36	368	170	58	215	72	54	75	166
26	75	56	499	37	232	130	106	222	58	47	58	115
27	61	51	297	37	704	104	115	164	47	40	46	83
28	143	46	198	34	1,160	86	91	120	40	32	37	63
29	426	41	148	36	---	e90	74	93	54	93	30	49
30	588	38	118	139	---	e200	62	91	84	180	24	37
31	366	---	102	304	---	299	---	84	---	116	143	---
TOTAL	10,912.3	6,037	9,554	2,947	9,467	11,432	9,287	2,878	4,328	2,510	4,835	3,693
MEAN	352	201	308	95.1	338	369	310	92.8	144	81.0	156	123
MAX	2,460	681	820	311	1,160	1,350	2,040	416	526	337	586	374
MIN	5.6	38	30	34	113	86	46	19	40	23	24	35
CFSM	3.61	2.06	3.16	0.97	3.46	3.78	3.17	0.95	1.48	0.83	1.60	1.26
IN.	4.16	2.30	3.64	1.12	3.61	4.36	3.54	1.10	1.65	0.96	1.84	1.41

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2003, BY WATER YEAR (WY)

MEAN	110	71.9	105	200	203	233	146	50.6	68.3	77.5	86.2	201
MAX	352	201	308	422	412	429	310	92.8	170	166	161	939
(WY)	(2003)	(2003)	(2003)	(1998)	(1998)	(1998)	(2003)	(2003)	(2001)	(1997)	(2000)	(1999)
MIN	22.2	31.5	27.1	33.7	74.0	75.4	74.4	15.6	13.1	26.0	23.7	23.3
(WY)	(2001)	(2002)	(2002)	(2001)	(2002)	(2000)	(1999)	(2002)	(1999)	(1999)	(1997)	(1997)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1997 - 2003	
ANNUAL TOTAL	48,652.6		77,880.3		131	
ANNUAL MEAN	133		213		213	
HIGHEST ANNUAL MEAN					2003	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	2,460	Oct 11	2,460	Oct 11	5,030	Sep 16, 1999
LOWEST DAILY MEAN	4.9	Jun 13	5.6	Oct 7	4.9	Jun 13, 2002
ANNUAL SEVEN-DAY MINIMUM	5.6	Jun 12	6.4	Oct 3	5.6	Jun 12, 2002
MAXIMUM PEAK FLOW			5,120	Oct 11	7,080	Sep 16, 1999
MAXIMUM PEAK STAGE			18.45	Oct 11	21.50	Sep 16, 1999
INSTANTANEOUS LOW FLOW			2.1	Oct 7	1.6*	Jun 14, 2002
ANNUAL RUNOFF (CFSM)	1.37		2.19		1.34	
ANNUAL RUNOFF (INCHES)	18.54		29.68		18.27	
10 PERCENT EXCEEDS	362		488		296	
50 PERCENT EXCEEDS	46		117		53	
90 PERCENT EXCEEDS	8.4		36		14	

e Estimated.  
 \* See REMARKS.

