

## 0208726005 CRABTREE CREEK AT EBENEZER CHURCH ROAD NEAR RALEIGH, NC

LOCATION.--Lat 35°50'44", long 78°43'28", Wake County, Hydrologic Unit 03020201, on downstream side of bridge on Secondary Road 1649, 0.1 mi upstream from Sycamore Creek, and 6.6 mi northwest of Raleigh.

DRAINAGE AREA.--76 mi<sup>2</sup>.

PERIOD OF RECORD.--December 1987 to September 1992, May 1997 to current year. December 1987 to September 1992, published as "Crabtree Creek at Secondary Road 1649 near Raleigh, NC".

GAGE.--Water-stage recorder. Datum of gage is 225.00 ft above NGVD of 1929, from levels. Satellite telemetry at station.

REMARKS.--Records good, except those for estimated daily discharges, which are poor. Flow regulated by flood-control dams upstream. Minimum discharge for period of record due to regulation.

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	12	168	33	193	176	605	174	42	81	88	94	163
2	12	108	31	190	126	620	116	37	63	236	138	94
3	11	78	29	185	94	388	86	32	50	181	81	67
4	11	64	28	184	93	237	67	28	53	111	58	80
5	10	57	e615	136	92	192	58	28	51	73	184	136
6	10	278	651	107	82	636	54	43	42	52	221	78
7	11	253	498	86	504	516	211	42	107	41	152	54
8	10	166	299	73	365	309	324	38	299	34	400	63
9	10	111	189	65	219	192	1,120	34	169	28	418	80
10	12	84	134	55	203	132	1,640	29	107	25	284	58
11	1,560	78	206	43	195	99	1,370	27	72	21	166	44
12	1,510	294	222	38	137	83	818	26	57	18	101	35
13	1,190	584	536	36	101	73	426	22	55	18	66	29
14	768	352	739	34	78	75	242	18	44	66	63	25
15	429	202	435	32	75	68	159	19	52	54	69	22
16	537	138	e245	29	76	259	116	29	194	41	124	38
17	343	369	160	31	86	314	89	24	182	33	147	48
18	189	484	112	30	126	222	71	23	119	27	144	134
19	112	293	92	28	222	154	63	66	258	26	81	335
20	77	179	244	28	198	1,020	56	56	440	23	49	197
21	88	123	248	27	155	1,040	51	46	340	21	38	119
22	127	97	e170	26	609	580	48	202	184	20	87	81
23	111	77	e127	28	942	331	42	350	112	65	99	309
24	82	64	e205	25	519	190	38	237	75	47	66	253
25	65	55	e590	27	291	126	39	189	55	38	50	147
26	52	49	e380	27	175	93	69	198	44	33	37	91
27	43	45	249	27	541	73	86	144	36	27	28	63
28	91	41	158	25	1,020	60	71	102	33	22	23	47
29	322	37	111	26	---	56	59	75	38	55	18	36
30	461	35	85	80	---	151	49	74	66	137	14	26
31	295	---	73	228	---	261	---	63	---	86	144	---
TOTAL	8,561	4,963	7,894	2,149	7,500	9,155	7,812	2,343	3,478	1,747	3,644	2,952
MEAN	276	165	255	69.3	268	295	260	75.6	116	56.4	118	98.4
MAX	1,560	584	739	228	1,020	1,040	1,640	350	440	236	418	335
MIN	10	35	28	25	75	56	38	18	33	18	14	22
CFSM	3.63	2.18	3.35	0.91	3.52	3.89	3.43	0.99	1.53	0.74	1.55	1.29
IN.	4.19	2.43	3.86	1.05	3.67	4.48	3.82	1.15	1.70	0.86	1.78	1.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2003,<sup>@</sup> BY WATER YEAR (WY)

MEAN	75.0	59.4	66.9	131	138	171	100	51.6	52.7	51.8	58.4	97.7
MAX	276	165	255	370	364	393	260	144	136	113	131	743
(WY)	(2003)	(2003)	(2003)	(1998)	(1998)	(1998)	(2003)	(1989)	(2001)	(1997)	(2000)	(1999)
MIN	13.6	23.8	14.4	23.1	16.2	25.0	32.5	9.30	9.34	9.15	6.74	5.35
(WY)	(1992)	(1992)	(1991)	(2001)	(1991)	(1988)	(1992)	(2002)	(1999)	(1988)	(1990)	(1990)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1988 - 2003 <sup>®</sup>	
ANNUAL TOTAL	38,649.9		62,198		92.6	
ANNUAL MEAN	106		170		170	
HIGHEST ANNUAL MEAN					46.6	2003
LOWEST ANNUAL MEAN					192	1992
HIGHEST DAILY MEAN	1,560	Oct 11	1,640	Apr 10	3,250	Sep 16, 1999
LOWEST DAILY MEAN	5.9	Jun 13	10	Oct 5	2.1	Dec 18, 1990
ANNUAL SEVEN-DAY MINIMUM	6.4	Jun 11	10	Oct 3	2.6	Dec 12, 1990
MAXIMUM PEAK FLOW			3,640	Oct 11	4,720	Sep 16, 1999
MAXIMUM PEAK STAGE			17.20	Oct 11	19.78	Sep 16, 1999
INSTANTANEOUS LOW FLOW			5.8	Oct 6	1.5*	Oct 12, 1997
ANNUAL RUNOFF (CFSM)	1.39		2.24		1.22	
ANNUAL RUNOFF (INCHES)	18.92		30.44		16.55	
10 PERCENT EXCEEDS	293		407		208	
50 PERCENT EXCEEDS	31		84		34	
90 PERCENT EXCEEDS	8.0		27		8.7	

e Estimated.  
<sup>®</sup> See PERIOD OF RECORD.  
 \* See REMARKS.

