

0208726005 CRABTREE CREEK AT EBENEZER CHURCH ROAD NEAR RALEIGH, NC

LOCATION.--Lat 35°50'43", long 78°43'29", 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 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	86	8.4	8.1	46	8.5	850	11	9.6	12	22	644
2	7.1	85	8.3	8.2	36	21	410	9.9	11	9.8	20	290
3	6.8	84	8.4	11	28	86	205	9.6	9.1	8.9	18	150
4	6.5	84	7.9	16	25	60	121	13	7.2	7.8	13	89
5	6.2	85	7.7	18	20	42	86	14	7.4	7.4	12	60
6	12	69	7.8	96	18	34	66	13	7.4	9.8	10	42
7	9.7	31	7.9	190	275	28	53	11	7.9	7.8	8.8	30
8	8.1	7.4	7.5	143	304	23	44	10	7.6	8.5	8.7	23
9	7.0	7.2	7.6	100	200	20	37	9.8	7.2	7.9	8.7	19
10	6.5	6.9	10	82	133	19	70	9.4	7.9	20	8.0	15
11	6.2	7.4	133	70	99	15	63	8.3	6.5	174	8.2	13
12	6.4	8.0	28	55	73	13	51	8.7	6.0	104	e8.0	11
13	6.0	7.6	16	71	56	17	43	10	5.9	67	e7.7	9.2
14	38	7.3	13	61	41	20	37	13	6.3	47	e8.3	12
15	140	7.3	11	47	33	18	37	9.8	6.5	36	10	21
16	79	7.4	9.9	36	29	16	39	8.8	6.3	27	12	275
17	54	7.0	10	30	25	32	28	8.8	7.3	20	14	234
18	35	7.3	28	25	21	56	23	10	7.5	16	19	137
19	25	7.9	15	242	18	45	29	9.1	7.3	17	29	115
20	19	7.9	11	773	16	42	52	9.1	7.0	40	16	78
21	16	7.8	9.1	404	16	54	33	8.4	7.1	34	11	56
22	15	7.8	7.8	267	14	62	30	8.2	6.6	21	10	42
23	13	7.1	7.1	678	13	46	25	7.9	6.7	20	9.6	33
24	13	13	10	711	12	35	24	7.9	7.5	20	9.2	25
25	13	15	8.7	481	12	29	27	6.9	7.1	120	10	20
26	13	14	7.8	296	11	39	19	6.6	9.6	255	23	18
27	11	11	7.9	176	12	340	15	6.7	18	186	30	19
28	10	9.9	8.8	120	10	214	14	7.5	28	107	58	17
29	36	9.2	7.5	88	---	132	14	7.0	45	69	48	15
30	91	9.1	7.6	67	---	90	12	7.1	16	44	125	14
31	88	---	9.0	54	---	287	---	7.4	---	30	452	---
TOTAL	805.5	724.5	447.7	5424.3	1596	1943.5	2557	287.9	300.5	1553.9	1047.2	2526.2
MEAN	25.98	24.15	14.44	175.0	57.00	62.69	85.23	9.287	10.02	50.13	33.78	84.21
MAX	140	86	133	773	304	340	850	14	45	255	452	644
MIN	6.0	6.9	7.1	8.1	10	8.5	12	6.6	5.9	7.4	7.7	9.2
CFSM	0.34	0.32	0.19	2.30	0.75	0.82	1.12	0.12	0.13	0.66	0.44	1.11
IN.	0.39	0.35	0.22	2.66	0.78	0.95	1.25	0.14	0.15	0.76	0.51	1.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2002®, BY WATER YEAR (WY)

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	52.70	47.57	48.15	136.8	125.1	158.3	84.49	49.23	46.95	51.43	53.01	97.59			
MAX	130	104	143	370	364	393	143	144	136	113	131	743			
(WY)	2000	1990	1990	1998	1998	1998	1989	1989	2001	1997	2000	1999			
MIN	13.6	23.8	14.4	23.1	16.2	25.0	32.5	9.29	9.34	9.15	6.74	5.35			
(WY)	1992	1992	1991	2001	1991	1988	1992	2002	1999	1988	1990	1990			

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1988 - 2002®

ANNUAL TOTAL	25797.0	19214.2	
ANNUAL MEAN	70.68	52.64	83.91
HIGHEST ANNUAL MEAN			129 1998
LOWEST ANNUAL MEAN			46.6 1992
HIGHEST DAILY MEAN	1340 Mar 21	850 Apr 1	3250 Sep 16 1999
LOWEST DAILY MEAN	5.4 Jul 23	5.9 Jun 13	2.1 Dec 18 1990
ANNUAL SEVEN-DAY MINIMUM	6.9 Sep 29	6.4 Jun 11	2.6 Dec 12 1990
MAXIMUM PEAK FLOW		1410 Jan 23	4720 Sep 16 1999
MAXIMUM PEAK STAGE		10.45 Jan 23	19.78 Sep 16 1999
INSTANTANEOUS LOW FLOW		2.2 Jun 13	1.5* Oct 12 1997
ANNUAL RUNOFF (CFSM)	0.93	0.69	1.10
ANNUAL RUNOFF (INCHES)	12.63	9.40	15.00
10 PERCENT EXCEEDS	140	120	185
50 PERCENT EXCEEDS	26	16	30
90 PERCENT EXCEEDS	7.8	7.3	8.4

e Estimated.  
® See PERIOD OF RECORD.  
\* See REMARKS.

0208726005 CRABTREE CREEK AT EBENEZER CHURCH ROAD NEAR RALEIGH, NC--Continued

