

0208726005 CRABTREE CREEK AT EBENEZER CHURCH ROAD NEAR RALEIGH, NC

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

DRAINAGE AREA.--76 mi².

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	21	103	24	89	365	93	41	15	14	169	10
2	51	20	76	23	73	223	109	39	27	15	102	9.6
3	49	20	61	23	99	142	188	32	29	13	68	8.8
4	167	31	51	23	188	98	152	27	24	12	48	8.7
5	122	49	44	23	148	75	104	23	22	12	36	8.4
6	82	35	40	23	107	61	71	78	21	12	28	9.4
7	59	31	38	22	81	52	55	71	232	e22	21	8.7
8	45	28	36	22	65	270	252	54	395	e200	19	8.6
9	36	24	37	22	55	293	403	43	190	172	371	8.5
10	30	21	258	22	51	186	252	35	112	107	459	7.7
11	26	20	295	21	43	127	164	30	78	68	334	8.0
12	23	88	195	20	36	104	112	27	56	47	234	9.2
13	129	375	129	21	34	78	153	33	43	34	167	8.5
14	229	208	85	497	33	75	144	26	34	30	281	8.9
15	183	130	64	544	37	65	105	25	28	24	263	8.9
16	124	85	52	331	37	118	79	26	24	19	126	8.2
17	80	64	45	188	34	617	65	23	20	16	115	7.9
18	58	51	40	115	31	475	56	20	15	15	81	7.8
19	47	44	37	78	27	280	49	20	14	12	60	9.6
20	40	38	36	62	26	179	43	30	14	116	e40	13
21	34	34	31	60	29	123	39	54	11	88	e42	60
22	30	31	29	54	30	86	34	41	14	78	e35	38
23	27	109	35	52	28	114	32	35	14	100	36	28
24	26	196	44	43	115	158	30	29	12	59	31	22
25	26	166	38	39	158	128	27	26	12	43	25	19
26	24	108	36	38	118	96	24	22	12	35	20	17
27	23	77	34	35	85	75	24	19	13	25	15	16
28	21	301	31	31	392	119	23	17	14	e26	14	14
29	21	219	28	29	---	178	23	15	16	e545	14	12
30	20	147	28	92	---	151	24	14	15	402	12	11
31	21	---	25	105	---	115	---	14	---	228	12	---
TOTAL	1,910	2,771	2,081	2,682	2,249	5,226	2,929	989	1,526	2,589	3,278	415.4
MEAN	61.6	92.4	67.1	86.5	80.3	169	97.6	31.9	50.9	83.5	106	13.8
MAX	229	375	295	544	392	617	403	78	395	545	459	60
MIN	20	20	25	20	26	52	23	14	11	12	12	7.7
CFSM	0.81	1.22	0.88	1.14	1.06	2.22	1.28	0.42	0.67	1.10	1.39	0.18
IN.	0.93	1.36	1.02	1.31	1.10	2.56	1.43	0.48	0.75	1.27	1.60	0.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2005, @ BY WATER YEAR (WY)

	70.4	61.1	71.8	122	133	166	96.8	50.1	50.8	58.2	75.2	94.6
MAX	276	165	255	370	364	393	260	144	136	113	246	743
(WY)	(2003)	(2003)	(2003)	(1998)	(1998)	(1998)	(2003)	(1989)	(2001)	(1997)	(2004)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1988 - 2005 [@]	
ANNUAL TOTAL	34,727.0		28,645.4			
ANNUAL MEAN	94.9		78.5		91.5	
HIGHEST ANNUAL MEAN					170	2003
LOWEST ANNUAL MEAN					46.6	1992
HIGHEST DAILY MEAN	1,340	Aug 14	617	Mar 17	3,250	Sep 16, 1999
LOWEST DAILY MEAN	9.0	May 29	7.7	Sep 10	2.1	Dec 18, 1990
ANNUAL SEVEN-DAY MINIMUM	12	May 28	8.5	Sep 7	2.6	Dec 12, 1990
MAXIMUM PEAK FLOW			974	Apr 8	4,720	Sep 16, 1999
MAXIMUM PEAK STAGE			9.00	Apr 8	19.78	Sep 16, 1999
INSTANTANEOUS LOW FLOW			3.8	Sep 17	1.5*	Oct 12, 1997
ANNUAL RUNOFF (CFSM)	1.25		1.03		1.20	
ANNUAL RUNOFF (INCHES)	17.00		14.02		16.36	
10 PERCENT EXCEEDS	207		189		206	
50 PERCENT EXCEEDS	49		38		36	
90 PERCENT EXCEEDS	20		14		9.2	

[@] See PERIOD OF RECORD.

* See REMARKS.

e Estimated.

