

CAPE FEAR RIVER BASIN

0209782520 WHITE OAK CREEK AT GREEN LEVEL, NC

LOCATION.--Lat 35°46'32", long 78°54'11", Wake County, Hydrologic Unit 03030002, on left bank at State Road 1603, 1.7 mi west of Green Level.

DRAINAGE AREA.--6.97 mi².

PERIOD OF RECORD.--October 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 265 ft above sea level, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor. Minimum discharge for period of record also occurred on June 3, 2000.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	.62	1.6	.54	9.3	5.8	199	.80	73	.94	1.3	8.6
2	2.3	.54	1.4	.52	8.8	5.9	93	.61	136	.76	.81	3.8
3	2.0	.53	1.6	.41	8.6	5.7	27	.54	15	.65	.64	1.4
4	1.7	.57	1.5	.69	8.4	122	19	.41	6.4	1.1	.54	.95
5	1.5	.59	1.4	.68	12	36	13	.28	4.3	15	.46	.73
6	1.4	.64	1.2	.52	12	18	11	.22	2.8	5.1	.41	.46
7	1.2	.68	1.0	.41	10	12	9.3	.20	2.5	2.1	.36	.35
8	1.1	.70	.90	.47	11	11	8.3	.18	1.6	6.2	.32	.27
9	1.1	.79	.79	.51	11	9.8	7.4	.14	1.2	13	.29	.22
10	.97	.88	.99	.38	12	8.2	6.0	.11	.73	59	.28	.20
11	.90	.82	.97	.29	12	6.5	5.1	.09	.65	10	2.5	.18
12	.84	e.76	1.4	.34	14	5.6	6.1	.10	.54	4.9	136	.16
13	.82	e.70	1.6	.46	19	7.7	6.0	.11	1.9	2.1	39	.13
14	.80	e1.1	1.8	.69	17	7.0	5.5	.12	60	1.4	34	.11
15	.76	6.3	2.0	1.1	18	11	5.0	.18	85	1.0	6.7	.09
16	.75	3.6	7.2	1.3	15	13	4.9	9.2	17	.80	2.1	.08
17	.74	4.2	21	1.6	69	8.4	4.6	5.6	9.5	.66	1.3	.07
18	.76	4.5	8.1	2.2	19	6.8	5.3	1.5	3.9	.54	1.5	.06
19	.77	4.8	2.6	3.1	11	6.1	5.6	.85	2.6	.50	5.7	.05
20	.72	12	2.9	13	8.6	13	5.2	.75	1.7	.56	11	.05
21	.72	13	1.4	10	7.5	275	4.5	1.4	1.7	.42	3.7	.04
22	.73	9.2	1.3	5.5	7.7	105	4.2	1.5	1.5	.36	1.4	.04
23	.73	7.0	.91	4.1	10	25	3.2	1.1	2.1	.33	.99	.03
24	.72	5.2	.68	4.0	7.8	14	1.9	.63	33	.41	3.0	.04
25	.77	8.1	1.1	4.3	7.4	10	12	.61	37	.36	3.2	.05
26	.74	32	.86	4.4	8.7	8.7	10	.55	9.8	.35	1.0	.03
27	.72	11	.91	5.4	6.4	7.5	5.3	1.1	4.1	10	.75	.04
28	.72	5.0	.98	5.6	5.3	6.6	3.1	.93	2.3	8.0	.57	.03
29	.67	2.9	.99	6.6	---	133	1.5	2.0	1.4	2.1	.44	.03
30	.67	2.1	.93	10	---	217	1.1	1.2	1.1	9.2	.94	.02
31	.64	---	.69	12	---	51	---	.57	---	3.1	44	---
TOTAL	31.76	140.82	72.70	101.11	366.5	1172.3	493.1	33.58	520.32	160.94	305.20	18.31
MEAN	1.02	4.69	2.35	3.26	13.1	37.8	16.4	1.08	17.3	5.19	9.85	.61
MAX	2.8	32	21	13	69	275	199	9.2	136	59	136	8.6
MIN	.64	.53	.68	.29	5.3	5.6	1.1	.09	.54	.33	.28	.02
CFSM	.15	.67	.34	.47	1.88	5.43	2.36	.16	2.49	.74	1.41	.09
IN.	.17	.75	.39	.54	1.96	6.26	2.63	.18	2.78	.86	1.63	.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

	2000	2001	2000	2001	2000	2001	2000	2001	2000	2001	2000	2001
MEAN	6.09	3.84	5.82	15.9	20.5	22.7	13.6	.83	8.81	4.74	10.4	9.77
MAX	11.2	4.69	9.29	28.6	27.7	37.8	16.4	1.08	17.3	5.19	10.9	18.9
(WY)	2000	2001	2000	2000	2000	2001	2001	2001	2001	2001	2000	2000
MIN	1.02	2.98	2.35	3.26	13.1	7.49	10.8	.57	.27	4.28	9.85	.61
(WY)	2001	2000	2001	2001	2001	2000	2000	2000	2000	2000	2001	2001

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 2000 - 2001

ANNUAL TOTAL	3553.88	3416.64		
ANNUAL MEAN	9.71	9.36	10.2	
HIGHEST ANNUAL MEAN			11.0	2000
LOWEST ANNUAL MEAN			9.36	2001
HIGHEST DAILY MEAN	194	Jan 31	275	Mar 21
LOWEST DAILY MEAN	.01	May 23	.02	Sep 30
ANNUAL SEVEN-DAY MINIMUM	.01	May 21	.03	Sep 24
MAXIMUM PEAK FLOW			517	Mar 21
MAXIMUM PEAK STAGE			8.54	Mar 21
INSTANTANEOUS LOW FLOW			.02	Sep 30
ANNUAL RUNOFF (CFSM)	1.39	1.34	1.46	
ANNUAL RUNOFF (INCHES)	18.97	18.24	19.86	
10 PERCENT EXCEEDS	24	14	22	
50 PERCENT EXCEEDS	2.2	1.6	2.6	
90 PERCENT EXCEEDS	.05	.29	.13	

e Estimated.
* See REMARKS.

0209782520 WHITE OAK CREEK AT GREEN LEVEL, NC--Continued

