

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.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Elevation of gage is 265 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor. No flow occurred several days in May to Sept. 2002.

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 | 0.02 | 0.16 | 0.38 | 1.2 | 8.4 | 1.6 | 208 | 0.67 | 0.00 | 0.00 | 0.00 | 24 |
| 2 | 0.02 | 0.16 | 0.38 | 1.2 | 6.6 | 3.0 | 39 | 0.58 | 0.00 | 0.00 | 0.00 | 3.0 |
| 3 | 0.02 | 0.16 | 0.39 | 1.5 | 5.5 | 14 | 27 | 0.50 | 0.00 | 0.00 | 0.00 | 0.60 |
| 4 | 0.02 | 0.16 | 0.42 | 2.2 | 5.4 | 6.7 | 21 | 0.53 | 0.00 | 0.00 | 0.00 | 0.22 |
| 5 | 0.02 | 0.20 | 0.42 | 3.3 | 4.7 | 3.4 | 17 | 0.50 | 0.00 | 0.02 | 0.00 | 0.09 |
| 6 | 0.03 | 0.20 | 0.43 | 16 | 4.6 | 3.3 | 14 | 0.69 | 0.00 | 0.00 | 0.00 | 0.05 |
| 7 | 0.04 | 0.17 | 0.43 | 34 | 64 | 2.5 | 13 | 0.53 | 0.00 | 0.00 | 0.00 | 0.03 |
| 8 | 0.04 | 0.17 | 0.45 | 16 | 39 | 1.9 | 11 | 0.39 | 0.00 | 0.00 | 0.00 | 0.02 |
| 9 | 0.03 | 0.17 | 0.50 | 9.3 | 17 | 1.7 | 11 | 0.32 | 0.00 | 0.00 | 0.00 | 0.01 |
| 10 | 0.04 | 0.17 | 0.50 | 9.7 | 12 | 1.7 | 21 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 0.05 | 0.16 | 21 | 12 | 9.6 | 1.3 | 15 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 0.05 | 0.16 | 7.6 | 9.1 | 6.6 | 1.4 | 11 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 0.05 | 0.16 | 2.7 | 13 | 4.9 | 2.2 | 10 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 0.21 | 0.15 | 1.8 | 9.9 | 3.6 | 2.6 | 8.9 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 18 | 0.16 | 1.3 | 7.4 | 3.2 | 1.8 | 7.8 | 0.09 | 0.00 | 0.00 | 0.00 | 0.02 |
| 16 | 1.5 | 0.18 | 1.2 | 6.3 | 3.0 | 1.3 | 6.6 | 0.07 | 0.00 | 0.00 | 0.00 | 23 |
| 17 | 1.2 | 0.17 | 1.1 | 5.7 | 2.6 | 2.5 | 5.5 | 0.06 | 0.00 | 0.00 | 0.00 | 12 |
| 18 | 0.48 | 0.19 | 3.6 | 5.0 | 2.1 | 6.2 | 4.7 | 0.05 | 0.00 | 0.00 | 0.00 | 2.4 |
| 19 | 0.23 | 0.20 | 3.1 | 41 | 2.0 | 2.7 | 3.9 | 0.04 | 0.00 | 0.00 | 0.00 | 0.91 |
| 20 | 0.18 | 0.20 | e26 | 175 | 1.8 | 2.4 | 3.4 | 0.04 | 0.00 | 0.00 | 0.00 | 0.41 |
| 21 | 0.15 | 0.21 | 1.3 | 34 | 1.7 | 6.1 | 3.0 | 0.03 | 0.00 | 0.00 | 0.00 | 0.21 |
| 22 | 0.14 | 0.21 | 1.2 | 27 | 1.5 | 5.9 | 2.8 | 0.02 | 0.00 | 0.00 | 0.00 | 0.13 |
| 23 | 0.13 | 0.22 | 1.0 | 172 | 1.4 | 2.4 | 2.3 | 0.03 | e0.00 | 0.00 | 0.00 | 0.07 |
| 24 | 0.13 | 0.27 | 1.2 | 104 | 1.2 | 1.8 | 1.8 | 0.04 | e0.00 | 0.00 | 0.00 | 0.05 |
| 25 | 0.13 | 0.28 | 1.4 | 49 | 1.2 | 1.3 | 1.5 | 0.02 | e0.00 | 0.00 | 0.00 | 0.05 |
| 26 | 0.14 | 0.28 | 1.3 | 25 | 1.2 | 8.5 | 1.3 | 0.01 | e0.00 | 0.00 | 0.00 | 0.03 |
| 27 | 0.14 | 0.28 | 1.2 | 17 | 1.4 | 93 | 1.1 | 0.01 | e0.00 | 0.00 | 0.04 | 0.03 |
| 28 | 0.13 | 0.30 | 1.2 | 14 | 1.5 | 18 | 0.99 | 0.00 | e0.00 | 0.10 | 0.00 | 0.03 |
| 29 | 0.14 | 0.33 | 1.2 | 11 | --- | 9.7 | 0.89 | 0.00 | 0.00 | 0.09 | 0.00 | 0.02 |
| 30 | 0.15 | 0.35 | 1.3 | 10 | --- | 7.2 | 0.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 31 | 0.16 | --- | 1.2 | 9.1 | --- | 33 | --- | 0.00 | --- | 0.00 | 26 | --- |
| TOTAL | 23.77 | 6.18 | 87.20 | 850.9 | 217.7 | 251.1 | 475.25 | 6.08 | 0.00 | 0.21 | 26.04 | 67.40 |
| MEAN | 0.767 | 0.206 | 2.813 | 27.45 | 7.775 | 8.100 | 15.84 | 0.196 | 0.000 | 0.007 | 0.840 | 2.247 |
| MAX | 18 | 0.35 | 26 | 175 | 64 | 93 | 208 | 0.69 | 0.00 | 0.10 | 26 | 24 |
| MIN | 0.02 | 0.15 | 0.38 | 1.2 | 1.2 | 1.3 | 0.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CFSM | 0.11 | 0.03 | 0.40 | 3.94 | 1.12 | 1.16 | 2.27 | 0.03 | 0.00 | 0.00 | 0.12 | 0.32 |
| IN. | 0.13 | 0.03 | 0.47 | 4.54 | 1.16 | 1.34 | 2.54 | 0.03 | 0.00 | 0.00 | 0.14 | 0.36 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2002, BY WATER YEAR (WY)

| | 2000 | 2001 | 2002 | 2000 | 2001 | 2002 | 2000 | 2001 | 2002 | 2000 | 2001 | 2002 |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MEAN | 4.285 | 2.576 | 4.481 | 19.60 | 16.38 | 17.80 | 14.31 | 0.617 | 5.872 | 3.161 | 7.226 | 7.515 |
| 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 | 0.67 | 0.053 | 1.81 | 3.26 | 7.94 | 7.49 | 10.8 | 0.20 | 0.000 | 0.009 | 0.97 | 0.61 |
| (WY) | 2002 | 2002 | 2002 | 2001 | 2002 | 2000 | 2000 | 2002 | 2002 | 2002 | 2002 | 2001 |

SUMMARY STATISTICS

| | FOR 2001 CALENDAR YEAR | | FOR 2002 WATER YEAR | | WATER YEARS 2000 - 2002 | |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|-------------|
| ANNUAL TOTAL | 3288.51 | | 2011.83 | | | |
| ANNUAL MEAN | 9.010 | | 5.512 | | 8.607 | |
| HIGHEST ANNUAL MEAN | | | | | 11.0 2000 | |
| LOWEST ANNUAL MEAN | | | | | 5.44 2002 | |
| HIGHEST DAILY MEAN | 275 | Mar 21 | 208 | Apr 1 | 275 | Mar 21 2001 |
| LOWEST DAILY MEAN | 0.02 | Sep 30 | 0.00 | May 28 | 0.00 | May 28 2002 |
| ANNUAL SEVEN-DAY MINIMUM | 0.02 | Sep 29 | 0.00 | May 28 | 0.00 | May 28 2002 |
| MAXIMUM PEAK FLOW | | | 451 | Jan 23 | 517 | Mar 21 2001 |
| MAXIMUM PEAK STAGE | | | 8.24 | Jan 23 | 8.54 | Mar 21 2001 |
| INSTANTANEOUS LOW FLOW | | | 0.00* | May 28 | 0.00* | May 28 2002 |
| ANNUAL RUNOFF (CFSM) | 1.29 | | 0.79 | | 1.23 | |
| ANNUAL RUNOFF (INCHES) | 17.55 | | 10.74 | | 16.78 | |
| 10 PERCENT EXCEEDS | 14 | | 12 | | 18 | |
| 50 PERCENT EXCEEDS | 1.3 | | 0.22 | | 1.5 | |
| 90 PERCENT EXCEEDS | 0.13 | | 0.00 | | 0.01 | |

e Estimated.
* See REMARKS.

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

