

CAPE FEAR RIVER BASIN

02099500 DEEP RIVER NEAR RANDLEMAN, NC

LOCATION.--Lat 35°54'06", long 79°51'05", Randolph County, Hydrologic Unit 03030003, on left bank 500 ft downstream of bridge on Secondary Road 1929, 0.2 mi downstream of Coltranés Mill, 0.5 mi south of Guilford County line, 4.8 mi upstream from Muddy Creek, and 7 mi north of Randleman.

DRAINAGE AREA.--125 mi².

PERIOD OF RECORD.--October 1928 to current year.

REVISED RECORDS.--WSP 782: 1929-30. WSP 1383: 1934-35, 1941. WSP 1723: 1929(M). WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 638.11 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Diurnal fluctuation at times during periods of low flow caused by Coltranés Mill. Some regulation by Oak Hollow Reservoir (station 02098495) and High Point Lake (station 02099096). City of High Point diverted an average of 21.4 ft³/s for municipal water supply, 19.2 ft³/s was discharged as treated effluent into Richland Creek upstream from station and 5.4 ft³/s into Rich Fork Creek in Pee Dee River basin. Maximum discharge for period of record from rating curve extended above 7,100 ft³/s on basis of contracted-opening measurement of peak flow at bridge 1.5 mi upstream; maximum gage height for period of record from floodmarks. Minimum discharge for current water year also occurred on Sept. 14.

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	17	20	20	18	40	30	126	31	27	16	16	719
2	17	20	20	18	35	72	82	32	61	36	14	138
3	17	22	19	19	34	266	59	31	36	22	15	54
4	17	18	19	20	32	103	52	35	22	25	15	33
5	16	18	18	24	30	64	43	46	20	25	15	24
6	16	18	20	132	30	53	38	28	19	18	15	21
7	15	19	21	100	167	46	34	25	24	15	14	18
8	15	22	20	54	111	41	32	24	20	14	14	17
9	15	23	20	37	72	40	33	23	18	14	14	17
10	15	21	23	32	60	37	37	21	17	14	14	17
11	16	24	215	28	63	34	34	21	17	219	14	16
12	16	21	42	24	47	44	33	22	17	45	14	16
13	17	20	31	21	41	127	35	21	17	25	14	16
14	63	20	24	21	37	87	34	53	17	22	14	15
15	75	21	22	21	35	55	36	23	17	22	37	114
16	24	22	21	21	34	48	33	20	16	19	29	57
17	18	23	20	21	33	68	33	19	16	17	19	31
18	18	23	71	23	32	84	33	28	15	17	16	167
19	16	22	34	294	31	65	33	29	17	17	15	123
20	17	22	24	401	31	58	35	20	16	16	15	47
21	19	22	21	107	33	105	35	19	16	16	15	33
22	18	22	20	80	31	105	34	19	16	15	16	26
23	18	23	19	714	31	69	32	20	15	19	16	21
24	17	28	34	381	29	55	35	19	15	88	16	20
25	18	29	29	342	27	49	36	18	16	137	14	18
26	19	23	23	154	29	45	35	18	28	164	17	57
27	17	23	20	90	30	137	35	17	96	41	26	54
28	18	22	19	65	32	100	33	17	31	27	27	42
29	18	21	18	54	---	67	31	17	21	20	25	30
30	18	20	18	48	---	56	31	21	18	17	32	23
31	20	---	18	42	---	55	---	38	---	16	102	---
TOTAL	640	652	943	3406	1237	2265	1212	775	701	1178	639	1984
MEAN	20.65	21.73	30.42	109.9	44.18	73.06	40.40	25.00	23.37	38.00	20.61	66.13
MAX	75	29	215	714	167	266	126	53	96	219	102	719
MIN	15	18	18	18	27	30	31	17	15	14	14	15
CFSM	0.17	0.17	0.24	0.88	0.35	0.58	0.32	0.20	0.19	0.30	0.16	0.53
IN.	0.19	0.19	0.28	1.01	0.37	0.67	0.36	0.23	0.21	0.35	0.19	0.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2002, BY WATER YEAR (WY)

MEAN	76.80	79.64	122.7	197.6	226.8	224.5	173.2	104.3	76.19	79.14	73.48	85.89
MAX	474	354	389	645	584	697	529	445	351	465	311	831
(WY)	1991	1986	1933	1937	1960	1975	1936	1978	1982	1975	1949	1996
MIN	5.78	9.56	16.8	15.8	38.7	54.4	27.6	23.5	16.7	17.2	17.1	10.5
(WY)	1931	1932	1934	1942	1986	1967	1985	1977	1933	1947	1945	1941

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1929 - 2002
ANNUAL TOTAL	24058	15632	
ANNUAL MEAN	65.91	42.83	126.2
HIGHEST ANNUAL MEAN			230
LOWEST ANNUAL MEAN			42.8
HIGHEST DAILY MEAN	1340	Mar 30	12000
LOWEST DAILY MEAN	15	Oct 7	1.2
ANNUAL SEVEN-DAY MINIMUM	15	Oct 5	3.9
MAXIMUM PEAK FLOW		1920	20000*
MAXIMUM PEAK STAGE		11.01	32.20*
INSTANTANEOUS LOW FLOW		13*	0.50
ANNUAL RUNOFF (CFSM)	0.53	0.34	1.01
ANNUAL RUNOFF (INCHES)	7.16	4.65	13.71
10 PERCENT EXCEEDS	113	77	239
50 PERCENT EXCEEDS	31	23	51
90 PERCENT EXCEEDS	19	16	17

* See REMARKS.

02099500 DEEP RIVER NEAR RANDLEMAN, NC--Continued

