

02099500 DEEP RIVER NEAR RANDLEMAN, NC

LOCATION.--Lat 35°54'06", long 79°51'04". 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.--Records good except those for estimated daily discharges, which are fair. 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 20.0 ft³/s for municipal water supply, 23.4 ft³/s was discharged as treated effluent into Richland Creek upstream from station and 8.41 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 Oct. 7, 8, 9, 10.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	112	43	824	170	628	252	242	275	61	310	801
2	21	78	41	501	124	1,000	171	177	123	717	183	204
3	19	63	39	493	92	464	143	190	190	434	153	116
4	19	51	36	350	133	241	123	126	1,070	176	937	1,860
5	19	56	731	181	159	193	118	115	923	106	473	1,180
6	18	609	572	137	98	806	142	285	297	89	253	295
7	18	196	418	117	449	496	1,330	206	2,300	536	124	159
8	18	102	262	92	351	242	794	141	2,030	188	488	114
9	19	75	220	81	166	172	1,730	113	882	106	367	93
10	18	65	178	e76	127	137	4,390	99	374	86	630	81
11	1,170	67	934	69	110	113	3,120	90	211	68	844	70
12	353	1,100	617	64	87	102	720	83	168	57	475	63
13	372	700	1,020	60	77	101	392	78	162	168	225	59
14	722	219	974	56	68	170	274	70	115	1,130	143	54
15	164	125	350	54	72	116	219	126	100	179	139	53
16	1,310	548	191	e55	80	548	185	665	126	125	106	64
17	485	1,810	136	56	90	325	165	202	130	111	109	92
18	153	675	107	54	154	269	160	138	121	78	1,000	306
19	92	244	95	e54	248	212	513	288	164	109	257	989
20	67	149	462	e52	177	5,280	276	153	519	75	139	242
21	59	113	263	50	130	2,330	203	121	193	59	98	142
22	63	93	152	e50	1,140	539	179	1,010	112	107	79	101
23	54	81	115	e50	1,590	300	147	1,130	85	531	68	5,330
24	47	68	684	49	412	212	125	461	73	177	855	1,320
25	42	63	1,220	e47	208	158	117	649	63	103	247	293
26	44	56	485	44	155	134	227	1,480	56	72	110	170
27	47	52	218	43	652	130	325	545	63	60	75	130
28	243	46	150	e42	926	112	164	273	143	52	60	173
29	490	42	122	57	---	121	132	195	66	62	55	117
30	471	43	101	380	---	703	117	204	57	538	76	91
31	208	---	91	383	---	578	---	252	---	245	1,090	---
TOTAL	6,847	7,701	11,027	4,621	8,245	16,932	16,953	9,907	11,191	6,605	10,168	14,762
MEAN	221	257	356	149	294	546	565	320	373	213	328	492
MAX	1,310	1,810	1,220	824	1,590	5,280	4,390	1,480	2,300	1,130	1,090	5,330
MIN	18	42	36	42	68	101	117	70	56	52	55	53
CFSM	1.77	2.05	2.85	1.19	2.36	4.37	4.52	2.56	2.98	1.70	2.62	3.94
IN.	2.04	2.29	3.28	1.38	2.45	5.04	5.05	2.95	3.33	1.97	3.03	4.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2003, BY WATER YEAR (WY)

MEAN	78.7	82.0	126	197	228	229	178	107	80.2	80.9	76.9	91.3
MAX	474	354	389	645	584	697	565	445	373	465	328	831
(WY)	(1991)	(1986)	(1933)	(1937)	(1960)	(1975)	(2003)	(1978)	(2003)	(1975)	(2003)	(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)

CAPE FEAR RIVER BASIN

02099500 DEEP RIVER NEAR RANDLEMAN, NC—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1929 - 2003	
ANNUAL TOTAL	38,972		124,959		129	
ANNUAL MEAN	107		342		342	
HIGHEST ANNUAL MEAN					42.8	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	1,810	Nov 17	5,330	Sep 23	12,000	Sep 25, 1947
LOWEST DAILY MEAN	14	Jul 8	18	Oct 6	1.2	Nov 12, 1933
ANNUAL SEVEN-DAY MINIMUM	14	Aug 7	18	Oct 4	3.9	Sep 30, 1930
MAXIMUM PEAK FLOW			7,980	Sep 23	20,000*	Sep 25, 1947
MAXIMUM PEAK STAGE			22.94	Sep 23	32.20*	Sep 25, 1947
INSTANTANEOUS LOW FLOW			17*	Oct 6	0.50	Nov 28, 1931
ANNUAL RUNOFF (CFSM)	0.85		2.74		1.03	
ANNUAL RUNOFF (INCHES)	11.60		37.19		14.03	
10 PERCENT EXCEEDS	243		848		244	
50 PERCENT EXCEEDS	34		150		52	
90 PERCENT EXCEEDS	16		54		17	

e Estimated.
 * See REMARKS.

