

02099500 DEEP RIVER NEAR RANDLEMAN, NC

LOCATION.--Lat 35°54'13", long 79°51'10". 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 September 2004 (discontinued).

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 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 21.1 ft³/s for municipal water supply, 21.2 ft³/s was discharged as treated effluent into Richland Creek upstream from station and 6.2 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 July 17, Sept. 4, 5, 6.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	66	56	65	78	392	193	51	31	44	50	30
2	78	60	52	60	66	353	101	59	29	33	111	26
3	75	57	50	60	471	236	81	126	27	70	67	24
4	68	55	48	60	247	158	72	94	137	124	48	23
5	66	55	96	63	134	129	67	62	71	316	38	22
6	65	56	93	82	243	151	61	53	39	60	51	23
7	67	99	76	64	812	175	58	50	39	42	31	48
8	63	84	68	63	302	127	59	48	45	35	27	2,860
9	69	66	64	64	175	103	58	47	50	34	25	1,820
10	81	57	178	75	140	95	56	45	33	30	26	308
11	82	54	510	63	117	86	59	50	29	38	25	135
12	70	51	179	59	143	78	296	44	27	40	26	86
13	60	49	113	64	163	74	677	39	26	32	47	65
14	58	51	699	61	122	74	560	46	28	28	404	64
15	81	48	451	59	117	82	231	37	36	28	179	69
16	58	44	276	59	245	134	143	33	32	24	98	100
17	53	45	373	56	188	203	102	35	41	23	55	487
18	49	45	379	65	140	206	86	31	31	1,150	48	575
19	46	148	117	73	129	189	79	44	28	231	40	168
20	45	204	98	60	112	121	74	42	27	89	33	87
21	44	101	99	53	104	100	69	35	25	56	30	66
22	44	71	86	52	97	90	63	33	25	44	27	56
23	41	61	81	53	84	79	59	32	32	38	26	50
24	40	57	81	54	81	73	53	32	60	32	27	46
25	40	57	78	53	78	71	50	31	31	27	26	43
26	43	53	69	58	73	70	61	30	137	26	24	39
27	71	49	67	60	106	70	94	42	61	62	23	75
28	61	50	65	58	152	69	68	34	68	265	24	4,490
29	237	81	63	72	294	67	59	28	96	260	24	1,300
30	132	69	70	92	---	64	55	39	62	185	39	307
31	83	---	71	112	---	77	---	38	---	75	43	---
TOTAL	2,150	2,043	4,806	1,992	5,213	3,996	3,744	1,410	1,403	3,541	1,742	13,492
MEAN	69.4	68.1	155	64.3	180	129	125	45.5	46.8	114	56.2	450
MAX	237	204	699	112	812	392	677	126	137	1,150	404	4,490
MIN	40	44	48	52	66	64	50	28	25	23	23	22
CFSM	0.55	0.54	1.24	0.51	1.44	1.03	1.00	0.36	0.37	0.91	0.45	3.60
IN.	0.64	0.61	1.43	0.59	1.55	1.19	1.11	0.42	0.42	1.05	0.52	4.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

MEAN	78.6	81.8	126	195	227	227	178	106	79.7	81.4	76.6	96.0
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)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL TOTAL	108,383		45,532		129	
ANNUAL MEAN	297		124		342	
HIGHEST ANNUAL MEAN					42.8	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	5,330	Sep 23	4,490	Sep 28	12,000	Sep 25, 1947
LOWEST DAILY MEAN	40	Oct 24	22	Sep 5	1.2	Nov 12, 1933
ANNUAL SEVEN-DAY MINIMUM	42	Oct 20	25	Aug 23	3.9	Sep 30, 1930
MAXIMUM PEAK FLOW			6,560	Sep 8	20000*	Sep 25, 1947
MAXIMUM PEAK STAGE			21.35	Sep 8	32.20*	Sep 25, 1947
INSTANTANEOUS LOW FLOW			22*	Jul 16	0.50	Nov 28, 1931
ANNUAL RUNOFF (CFSM)	2.38		0.995		1.03	
ANNUAL RUNOFF (INCHES)	32.25		13.55		14.02	
10 PERCENT EXCEEDS	701		205		243	
50 PERCENT EXCEEDS	123		63		52	
90 PERCENT EXCEEDS	54		30		17	

* See REMARKS.

