

## 02088500 LITTLE RIVER NEAR PRINCETON, NC

LOCATION.--Lat 35°30'41", long 78°09'37", Johnston County, Hydrologic Unit 03020201, on left bank 600 ft downstream of bridge on Secondary Road 2320, 0.8 mi upstream from Little Creek, and 3 mi north of Princeton.

DRAINAGE AREA.--232 mi<sup>2</sup>.

PERIOD OF RECORD.--February 1930 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORD.--WSP 1233: 1935(M). WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 107.75 ft above NGVD of 1929. Prior to Nov. 17, 1934, nonrecording gage at same site and datum. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Slight fluctuation and occasional regulation for short periods is caused by mills upstream from station. Maximum discharge for period of record, from rating curve extended above 9,000 ft<sup>3</sup>/s, by logarithmic plotting. Minimum discharge for period of record occurred several days in Aug. 2002, due to regulation from unknown source. Minimum discharge for current water year also occurred July 23.

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	74	431	149	176	249	561	135	85	25	127	24	1,410
2	65	346	119	165	207	476	156	238	24	95	24	1,250
3	58	245	102	159	235	400	167	1,070	24	67	33	869
4	55	170	98	157	461	335	164	1,260	462	54	62	611
5	54	133	210	159	449	287	153	821	979	46	77	382
6	51	116	311	186	371	255	127	538	331	48	268	230
7	50	129	254	186	464	251	112	361	139	54	241	178
8	53	149	199	162	590	242	105	222	141	45	82	177
9	61	151	171	155	514	236	97	154	88	35	51	535
10	64	130	173	166	452	220	92	118	60	72	36	901
11	71	117	603	159	360	190	130	96	54	369	28	688
12	74	112	755	150	368	166	179	84	54	109	23	456
13	74	105	647	151	602	148	291	88	58	65	59	327
14	73	93	775	151	585	132	564	76	51	70	97	231
15	83	82	1,080	146	533	145	483	65	43	72	328	198
16	84	76	943	134	616	340	378	57	39	61	1,010	185
17	83	73	773	123	635	554	288	51	40	47	832	168
18	75	71	711	131	584	574	211	44	39	39	735	374
19	69	114	623	184	539	556	165	42	35	33	698	559
20	64	491	507	186	453	547	136	39	31	28	614	473
21	59	587	412	159	382	442	116	38	30	24	400	362
22	55	462	343	151	324	346	101	36	29	20	225	321
23	51	370	300	139	271	260	89	36	27	32	165	256
24	48	275	342	131	232	208	79	40	26	33	201	172
25	45	206	374	124	215	179	73	40	25	25	144	130
26	43	157	331	134	199	162	68	35	201	28	109	99
27	44	134	287	146	307	154	81	34	134	26	90	83
28	50	123	253	162	559	148	102	32	82	23	76	73
29	414	143	229	182	601	142	98	29	246	47	80	81
30	678	160	215	221	---	129	87	27	158	50	550	81
31	570	---	195	270	---	124	---	25	---	31	1,350	---
TOTAL	3,392	5,951	12,484	5,005	12,357	8,909	5,027	5,881	3,675	1,875	8,712	11,860
MEAN	109	198	403	161	426	287	168	190	122	60.5	281	395
MAX	678	587	1,080	270	635	574	564	1,260	979	369	1,350	1,410
MIN	43	71	98	123	199	124	68	25	24	20	23	73
CFSM	0.47	0.86	1.74	0.70	1.84	1.24	0.72	0.82	0.53	0.26	1.21	1.70
IN.	0.54	0.95	2.00	0.80	1.98	1.43	0.81	0.94	0.59	0.30	1.40	1.90

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2004, BY WATER YEAR (WY)

MEAN	144	148	232	387	471	479	325	184	149	173	186	184
MAX	1,202	645	717	999	1,285	1,204	969	835	698	826	783	2,861
(WY)	(1965)	(1948)	(1937)	(1954)	(1948)	(1989)	(1959)	(1989)	(1995)	(1959)	(1931)	(1999)
MIN	6.00	13.0	16.0	24.1	49.6	120	53.3	17.3	7.24	12.4	4.10	2.84
(WY)	(1934)	(1934)	(1934)	(1934)	(1934)	(1981)	(1986)	(1986)	(2002)	(1999)	(1993)	(1980)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1930 - 2004	
ANNUAL TOTAL	146,008		85,128			
ANNUAL MEAN	400		233		255	
HIGHEST ANNUAL MEAN					511	1960
LOWEST ANNUAL MEAN					91.8	1951
HIGHEST DAILY MEAN	3,650	Aug 13	1,410	Sep 1	17,600	Sep 17, 1999
LOWEST DAILY MEAN	42	Jul 29	20	Jul 22	0.00	Aug 12, 2002
ANNUAL SEVEN-DAY MINIMUM	48	Oct 22	27	May 28	0.02	Aug 11, 2002
MAXIMUM PEAK FLOW			1,560	Jun 4	20700*	Sep 17, 1999
MAXIMUM PEAK STAGE			8.88	Jun 4	16.58	Sep 17, 1999
INSTANTANEOUS LOW FLOW			18*	Jul 22	0.00*	Aug 12, 2002
ANNUAL RUNOFF (CFSM)	1.72		1.00		1.10	
ANNUAL RUNOFF (INCHES)	23.41		13.65		14.93	
10 PERCENT EXCEEDS	882		566		632	
50 PERCENT EXCEEDS	229		150		119	
90 PERCENT EXCEEDS	69		37		20	

\* See REMARKS.

