

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 mi².

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.--Records good except those for estimated daily discharges, which are poor. 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 ft³/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 Sept. 13.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	43	425	380	354	574	612	45	40	28	130	3.3
2	84	42	321	349	278	534	526	51	41	27	129	2.4
3	91	42	232	263	234	443	619	53	48	27	56	1.9
4	101	42	173	194	330	336	561	49	114	30	44	1.6
5	105	44	133	151	402	241	476	44	126	31	32	1.2
6	97	48	109	128	319	190	378	240	95	40	26	0.93
7	80	51	96	111	241	158	280	673	81	33	22	0.69
8	69	51	95	95	193	175	234	529	114	27	20	2.4
9	61	48	93	90	157	372	340	373	116	22	19	1.9
10	56	43	112	81	142	406	511	221	118	20	22	0.55
11	51	39	187	71	127	417	362	130	142	19	17	0.07
12	47	39	208	66	107	354	253	85	148	19	17	0.00
13	52	79	201	66	94	251	e360	66	99	24	26	0.00
14	75	159	165	269	86	207	e934	62	73	27	23	0.66
15	97	194	122	858	86	228	882	51	60	45	23	1.7
16	216	172	95	923	87	248	573	48	50	39	17	2.0
17	166	152	84	803	92	748	366	175	44	31	16	1.2
18	167	110	77	639	90	1,090	252	136	38	28	13	1.6
19	129	89	76	407	77	941	193	93	34	27	17	2.1
20	95	73	75	271	68	770	153	83	31	25	13	3.8
21	78	64	67	247	66	607	122	259	28	23	9.0	2.8
22	68	58	61	253	71	442	96	227	26	21	15	4.8
23	60	71	61	238	75	413	81	158	24	252	20	2.3
24	56	238	71	204	102	628	71	110	21	103	16	1.6
25	53	306	86	161	329	665	68	86	20	95	13	1.5
26	49	233	105	151	318	583	59	73	20	72	10	1.9
27	47	172	136	138	220	467	52	67	20	50	9.5	2.2
28	46	349	127	119	283	413	58	60	20	38	7.1	1.7
29	45	597	113	99	---	656	48	53	25	36	5.6	1.4
30	43	518	136	128	---	747	44	47	28	41	4.9	1.2
31	43	---	275	343	---	774	---	42	---	51	4.4	---
TOTAL	2,504	4,166	4,317	8,296	5,028	15,078	9,564	4,389	1,844	1,351	796.5	51.40
MEAN	80.8	139	139	268	180	486	319	142	61.5	43.6	25.7	1.71
MAX	216	597	425	923	402	1,090	934	673	148	252	130	4.8
MIN	43	39	61	66	66	158	44	42	20	19	4.4	0.00
CFSM	0.35	0.60	0.60	1.15	0.77	2.10	1.37	0.61	0.26	0.19	0.11	0.01
IN.	0.40	0.67	0.69	1.33	0.81	2.42	1.53	0.70	0.30	0.22	0.13	0.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2005, BY WATER YEAR (WY)

MEAN	143	148	230	385	468	479	325	184	148	171	184	181
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	1.71
(WY)	(1934)	(1934)	(1934)	(1934)	(1934)	(1981)	(1986)	(1986)	(2002)	(1999)	(1993)	(2005)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1930 - 2005	
ANNUAL TOTAL	74,288		57,384.90			
ANNUAL MEAN	203		157		254	
HIGHEST ANNUAL MEAN					511	1960
LOWEST ANNUAL MEAN					91.8	1951
HIGHEST DAILY MEAN	1,410	Sep 1	1,090	Mar 18	17,600	Sep 17, 1999
LOWEST DAILY MEAN	20	Jul 22	0.00	Sep 12	0.00	Aug 12, 2002
ANNUAL SEVEN-DAY MINIMUM	27	May 28	0.70	Sep 9	0.02	Aug 11, 2002
MAXIMUM PEAK FLOW			1,120	Mar 18	20,700*	Sep 17, 1999
MAXIMUM PEAK STAGE			7.08	Mar 18	16.58	Sep 17, 1999
INSTANTANEOUS LOW FLOW			0.00*	Sep 12	0.00*	Aug 12, 2002
ANNUAL RUNOFF (CFSM)	0.875		0.678		1.09	
ANNUAL RUNOFF (INCHES)	11.91		9.20		14.85	
10 PERCENT EXCEEDS	534		413		628	
50 PERCENT EXCEEDS	131		81		118	
90 PERCENT EXCEEDS	37		9.8		20	

* See REMARKS.

e Estimated.

