

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.--No estimated daily discharges. Records good except those below 5 ft³/s, 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.

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	23	443	115	369	578	1,060	744	243	276	89	95	91
2	20	459	105	497	540	1,090	602	185	245	210	136	71
3	18	372	98	591	502	1,250	470	148	180	878	253	68
4	16	246	94	631	422	1,390	369	128	139	1,020	403	78
5	15	170	234	640	375	1,230	296	116	114	826	361	103
6	15	189	570	539	323	1,240	270	308	95	521	319	104
7	13	269	662	423	543	1,850	293	333	85	256	254	93
8	12	316	652	351	797	1,810	536	209	178	155	372	84
9	11	297	622	305	749	1,470	928	147	457	114	700	86
10	9.1	269	518	266	727	1,090	1,620	120	684	106	1,030	86
11	109	206	436	234	818	718	1,990	103	715	147	1,970	81
12	404	244	450	207	734	530	1,950	89	566	299	3,230	72
13	459	568	497	192	583	442	1,770	77	376	326	3,650	69
14	544	740	698	185	469	486	1,340	65	190	159	2,620	63
15	622	703	764	175	398	539	825	56	137	111	1,040	62
16	531	638	752	164	379	496	513	53	116	88	725	57
17	312	626	733	170	633	542	384	49	125	89	932	51
18	194	648	595	176	758	508	301	50	140	91	1,010	61
19	142	624	423	176	695	461	250	102	152	110	849	133
20	115	553	423	168	648	872	228	164	233	106	786	210
21	116	484	489	161	582	1,880	225	197	385	86	751	206
22	156	413	472	157	542	1,960	373	270	433	74	604	155
23	265	334	406	152	821	1,760	342	526	347	73	398	175
24	302	259	378	143	1,040	1,680	253	830	269	65	285	183
25	275	209	521	137	943	1,110	212	763	208	59	222	166
26	221	175	590	152	888	573	233	745	132	52	177	141
27	170	155	534	148	756	426	335	598	99	48	148	117
28	137	138	507	137	945	349	304	500	81	45	129	114
29	130	125	450	133	---	326	325	386	76	42	109	98
30	174	119	370	146	---	482	341	297	86	52	94	84
31	302	---	307	385	---	707	---	228	---	132	87	---
TOTAL	5,832.1	10,991	14,465	8,310	18,188	30,327	18,622	8,085	7,319	6,429	23,739	3,162
MEAN	188	366	467	268	650	978	621	261	244	207	766	105
MAX	622	740	764	640	1,040	1,960	1,990	830	715	1,020	3,650	210
MIN	9.1	119	94	133	323	326	212	49	76	42	87	51
CFSM	0.81	1.58	2.01	1.16	2.80	4.22	2.68	1.12	1.05	0.89	3.30	0.45
IN.	0.94	1.76	2.32	1.33	2.92	4.86	2.99	1.30	1.17	1.03	3.81	0.51

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2003, BY WATER YEAR (WY)

MEAN	146	148	229	390	472	481	327	184	150	174	185	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	2.84
(WY)	(1934)	(1934)	(1934)	(1934)	(1934)	(1981)	(1986)	(1986)	(2002)	(1999)	(1993)	(1980)

02088500 LITTLE RIVER NEAR PRINCETON, NC—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1930 - 2003	
ANNUAL TOTAL	65,151.40		155,469.1		256	
ANNUAL MEAN	178		426		511	
HIGHEST ANNUAL MEAN					511	1960
LOWEST ANNUAL MEAN					91.8	1951
HIGHEST DAILY MEAN	1,070	Jan 26	3,650	Aug 13	17,600	Sep 17, 1999
LOWEST DAILY MEAN	0.00	Aug 12	9.1	Oct 10	0.00	Aug 12, 2002
ANNUAL SEVEN-DAY MINIMUM	0.02	Aug 11	13	Oct 4	0.02	Aug 11, 2002
MAXIMUM PEAK FLOW			3,800	Aug 13	20,700*	Sep 17, 1999
MAXIMUM PEAK STAGE			12.75	Aug 13	16.58	Sep 17, 1999
INSTANTANEOUS LOW FLOW			6.6	Oct 10	0.00*	Aug 12, 2002
ANNUAL RUNOFF (CFSM)	0.77		1.84		1.10	
ANNUAL RUNOFF (INCHES)	10.45		24.93		15.01	
10 PERCENT EXCEEDS	543		858		636	
50 PERCENT EXCEEDS	95		297		119	
90 PERCENT EXCEEDS	3.9		80		20	

* See REMARKS.

