

02092500 TRENT RIVER NEAR TRENTON, NC

LOCATION.--Lat 35°03'55", long 77°27'23", Jones County, Hydrologic Unit 03020204, on left bank 50 ft downstream of Free Bridge on Secondary Road 1129, 800 ft downstream of Little Chinquapin Branch, 1.5 mi southwest of Phillips Crossroads, and 6 mi west of Trenton.

DRAINAGE AREA.--168 mi².

PERIOD OF RECORD.--January 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 19.15 ft above NGVD of 1929. Prior to Mar. 21, 1951, nonrecording gage on bridge 50 ft upstream at same datum. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Maximum discharge for period of record from rating curve extended above 4,000 ft³/s on basis of one section slope-conveyance measurement of peak flow; maximum gage height, 22.33 ft, from high-water mark in gage house. Minimum discharge for period of record also occurred Oct. 24, 25, 26, 1974.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1928 reached a stage of 17.3 ft; discharge, 7,600 ft³/s, from information provided by North Carolina State Highway Commission.

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	12	24	45	92	61	345	207	80	910	56	280	53
2	8.9	24	44	116	64	361	189	74	763	201	254	47
3	6.8	26	42	138	62	357	169	71	643	705	204	39
4	8.2	25	39	142	62	327	150	67	546	780	180	34
5	8.3	21	44	138	62	288	133	62	456	820	155	51
6	6.8	20	55	126	60	252	120	67	374	810	148	88
7	5.6	20	61	114	69	240	114	82	305	704	156	79
8	6.3	19	64	102	101	250	151	85	264	560	200	61
9	8.4	20	66	92	122	260	415	74	243	365	244	49
10	9.9	20	68	84	126	250	951	65	215	203	266	41
11	11	18	75	76	153	228	1,740	57	187	135	265	35
12	13	20	84	70	185	237	2,250	52	165	117	374	31
13	16	35	87	65	178	270	2,170	48	150	197	566	28
14	17	46	109	61	156	280	1,550	44	136	983	472	26
15	17	63	134	58	140	266	996	39	120	1,760	391	24
16	17	74	149	56	122	271	668	36	149	2,930	344	22
17	18	84	134	65	216	403	516	34	306	2,920	294	20
18	18	120	112	60	361	423	384	32	265	2,060	469	34
19	18	153	94	54	453	417	283	35	229	1,610	635	109
20	17	157	86	51	502	480	218	35	339	1,650	834	163
21	17	138	97	52	467	922	179	36	394	1,470	904	163
22	18	117	106	52	381	1,400	153	35	386	1,110	756	143
23	18	101	102	52	337	1,610	134	87	348	851	585	148
24	18	87	95	51	365	1,430	116	321	290	730	413	185
25	18	76	115	51	384	998	103	476	207	726	279	182
26	20	66	141	51	367	685	106	810	143	851	194	155
27	21	59	142	52	328	528	109	1,190	107	912	138	127
28	21	53	130	52	325	394	106	1,410	82	794	108	109
29	21	49	122	51	---	297	100	1,440	67	631	88	104
30	22	47	109	54	---	241	91	1,350	65	491	73	105
31	23	---	96	58	---	221	---	1,080	---	331	61	---
TOTAL	460.2	1,782	2,847	2,336	6,209	14,931	14,571	9,374	8,854	28,463	10,330	2,455
MEAN	14.8	59.4	91.8	75.4	222	482	486	302	295	918	333	81.8
MAX	23	157	149	142	502	1,610	2,250	1,440	910	2,930	904	185
MIN	5.6	18	39	51	60	221	91	32	65	56	61	20
CFSM	0.09	0.35	0.55	0.45	1.32	2.87	2.89	1.80	1.76	5.47	1.98	0.49
IN.	0.10	0.39	0.63	0.52	1.37	3.31	3.23	2.08	1.96	6.30	2.29	0.54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2003, BY WATER YEAR (WY)

MEAN	106	86.1	160	293	326	345	216	117	127	160	170	172
MAX	864	295	551	703	1,024	963	684	435	768	1,381	1,587	2,121
(WY)	(1972)	(1963)	(1958)	(1978)	(1998)	(1983)	(1973)	(1978)	(1961)	(1962)	(1955)	(1999)
MIN	1.58	1.80	6.65	17.2	31.8	36.5	23.1	10.2	2.77	4.78	1.81	2.55
(WY)	(1955)	(1955)	(1955)	(1955)	(1955)	(1955)	(1955)	(1985)	(1985)	(1993)	(1993)	(1995)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1951 - 2003	
ANNUAL TOTAL	31,487.08		102,612.2		191	
ANNUAL MEAN	86.3		281		316	
HIGHEST ANNUAL MEAN					74.2	1960
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	1,320	Mar 6	2,930	Jul 16	12,000	Sep 17, 1999
LOWEST DAILY MEAN	0.84	Aug 23	5.6	Oct 7	0.33	Oct 7, 1993
ANNUAL SEVEN-DAY MINIMUM	0.93	Aug 18	7.2	Oct 3	0.39	Oct 22, 1973
MAXIMUM PEAK FLOW			3,200	Jul 16	15,000*	Sep 17, 1999
MAXIMUM PEAK STAGE			14.70	Jul 16	22.33*	Sep 17, 1999
INSTANTANEOUS LOW FLOW			5.0	Oct 8	0.30*	Oct 23, 1974
ANNUAL RUNOFF (CFSM)	0.51		1.67		1.14	
ANNUAL RUNOFF (INCHES)	6.97		22.72		15.44	
10 PERCENT EXCEEDS	220		770		475	
50 PERCENT EXCEEDS	31		122		80	
90 PERCENT EXCEEDS	4.5		21		7.8	

* See REMARKS.

