

02092500 TRENT RIVER NEAR TRENTON, NC

LOCATION.--Lat 35°03'51", long 77°27'41", 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 good. 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. Minimum discharge for current water year also occurred May 30.

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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	1,980	102	184	139	684	64	81	21	190	48	267
2	92	1,380	91	162	127	590	71	252	22	170	53	371
3	82	949	83	148	116	469	69	579	22	177	182	398
4	75	684	79	137	113	362	64	1,050	21	281	246	351
5	66	540	109	128	113	275	58	1,420	23	370	253	274
6	57	414	174	121	111	217	53	1,480	56	436	434	203
7	48	359	217	116	120	181	49	1,080	87	442	547	183
8	44	381	221	109	129	157	45	767	101	388	541	193
9	232	396	207	103	122	139	43	537	100	316	449	201
10	439	382	191	103	109	126	41	352	111	210	299	213
11	557	349	403	103	99	114	64	208	153	145	176	226
12	636	300	520	100	103	102	340	143	197	115	118	230
13	605	249	695	98	165	92	471	108	240	88	354	212
14	531	202	919	96	239	83	573	87	264	67	821	173
15	479	165	1,090	93	303	76	591	71	255	52	1,790	187
16	408	139	1,220	89	378	81	534	61	211	42	2,680	200
17	333	121	1,210	84	458	116	438	53	149	35	3,160	156
18	267	107	1,030	83	571	140	327	47	123	32	2,370	154
19	211	106	824	83	613	137	220	42	164	30	1,440	179
20	168	176	653	82	580	123	156	38	205	28	967	183
21	140	250	521	79	499	108	122	35	236	24	697	166
22	118	279	424	75	407	97	98	32	233	20	508	142
23	101	270	350	72	317	91	82	29	182	32	352	116
24	86	244	324	69	249	83	69	27	185	94	251	96
25	76	212	341	67	217	72	59	25	200	112	183	79
26	69	180	353	70	214	64	52	23	197	107	145	65
27	65	153	349	85	365	59	60	21	173	85	133	60
28	72	135	320	113	503	58	82	20	148	89	125	63
29	862	120	280	137	666	56	85	18	160	90	121	73
30	1,580	110	241	147	---	55	76	19	187	72	174	98
31	2,210	---	210	147	---	56	---	20	---	57	211	---
TOTAL	10,811	11,332	13,751	3,283	8,145	5,063	5,056	8,725	4,426	4,396	19,828	5,512
MEAN	349	378	444	106	281	163	169	281	148	142	640	184
MAX	2,210	1,980	1,220	184	666	684	591	1,480	264	442	3,160	398
MIN	44	106	79	67	99	55	41	18	21	20	48	60
CFSM	2.08	2.25	2.64	0.63	1.67	0.97	1.00	1.68	0.88	0.84	3.81	1.09
IN.	2.39	2.51	3.04	0.73	1.80	1.12	1.12	1.93	0.98	0.97	4.39	1.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2004, BY WATER YEAR (WY)

MEAN	111	91.7	165	290	325	342	215	120	127	159	178	172
MAX	864	378	551	703	1,024	963	684	435	768	1,381	1,587	2,121
(WY)	(1972)	(2004)	(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)

02092500 TRENT RIVER NEAR TRENTON, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1951 - 2004	
ANNUAL TOTAL	133,417		100,328		192	
ANNUAL MEAN	366		274		316	
HIGHEST ANNUAL MEAN					74.2	1960
LOWEST ANNUAL MEAN					12,000	2002
HIGHEST DAILY MEAN	2,930	Jul 16	3,160	Aug 17	15,000*	Sep 17, 1999
LOWEST DAILY MEAN	20	Sep 17	18	May 29	0.33	Oct 7, 1993
ANNUAL SEVEN-DAY MINIMUM	26	Sep 12	20	May 27	0.39	Oct 22, 1973
MAXIMUM PEAK FLOW			3,280	Aug 17	15,000*	Sep 17, 1999
MAXIMUM PEAK STAGE			15.12	Aug 17	22.33*	Sep 17, 1999
INSTANTANEOUS LOW FLOW			17*	May 29	0.30*	Oct 23, 1974
ANNUAL RUNOFF (CFSM)	2.18		1.63		1.15	
ANNUAL RUNOFF (INCHES)	29.54		22.22		15.57	
10 PERCENT EXCEEDS	911		579		477	
50 PERCENT EXCEEDS	207		148		81	
90 PERCENT EXCEEDS	52		53		8.0	

* See REMARKS.

