

02092500 TRENT RIVER NEAR TRENTON, NC

LOCATION.--Lat 35°03'54", long 77°27'24", 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 mi<sup>2</sup>.

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

GAGE.--Water-stage recorder. Datum of gage is 19.15 ft above sea level. 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 ft<sup>3</sup>/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 July 23.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1928 reached a stage of 17.3 ft; discharge, 7,600 ft<sup>3</sup>/s, from information provided by North Carolina State Highway Commission.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	332	14	105	67	48	165	250	17	38	72	82	46
2	227	13	89	63	46	151	240	15	192	51	58	46
3	159	13	86	60	42	137	224	14	306	40	41	42
4	122	27	104	57	42	182	205	12	367	40	41	39
5	100	18	124	54	54	288	180	11	373	41	35	37
6	82	12	134	53	85	350	158	10	307	38	24	33
7	71	18	134	52	104	362	138	8.7	210	30	17	31
8	61	14	128	51	105	335	118	7.0	146	23	12	29
9	51	9.6	120	49	100	272	103	6.5	98	19	8.5	29
10	45	9.6	114	47	93	207	90	6.9	75	21	6.8	35
11	43	12	112	45	84	163	78	6.3	51	14	7.6	37
12	39	14	113	44	75	134	68	5.9	36	12	6.9	41
13	34	13	114	45	77	118	58	7.6	28	9.6	6.9	38
14	32	12	114	46	84	106	49	8.8	40	7.9	9.3	34
15	28	12	120	48	90	103	42	7.2	312	6.9	23	33
16	26	17	129	50	92	141	38	8.2	479	6.0	49	31
17	24	27	128	52	105	172	35	11	565	5.0	71	27
18	23	18	127	50	165	174	33	12	666	3.7	86	23
19	22	20	126	47	209	161	33	12	732	3.9	110	19
20	21	28	118	51	198	150	31	10	730	3.3	140	17
21	21	42	109	69	176	372	28	8.9	616	3.1	165	15
22	18	48	98	78	166	585	26	8.5	402	2.8	162	13
23	15	49	87	80	213	779	23	8.7	224	2.7	143	11
24	15	52	78	76	263	897	21	8.5	154	4.6	111	10
25	15	50	72	71	271	816	20	7.4	191	4.6	92	9.7
26	13	107	67	65	249	637	21	6.6	310	3.7	81	14
27	12	147	63	60	217	466	22	6.3	373	3.5	70	10
28	12	152	65	56	186	330	23	6.4	318	3.1	60	8.7
29	13	132	71	51	---	237	21	15	173	3.2	53	9.2
30	12	117	72	47	---	230	19	33	108	58	48	8.4
31	12	---	70	47	---	247	---	38	---	79	46	---
TOTAL	1700	1217.2	3191	1731	3639	9467	2395	344.4	8620	615.6	1866.0	776.0
MEAN	54.8	40.6	103	55.8	130	305	79.8	11.1	287	19.9	60.2	25.9
MAX	332	152	134	80	271	897	250	38	732	79	165	46
MIN	12	9.6	63	44	42	103	19	5.9	28	2.7	6.8	8.4
CFSM	.33	.24	.61	.33	.77	1.82	.48	.07	1.71	.12	.36	.15
IN.	.38	.27	.71	.38	.81	2.10	.53	.08	1.91	.14	.41	.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2001, BY WATER YEAR (WY)

MEAN	110	88.2	164	301	332	341	211	115	126	148	170	176
MAX	864	295	551	703	1024	963	684	435	768	1381	1587	2121
(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

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1951 - 2001	
ANNUAL TOTAL	71655.3		35562.2			
ANNUAL MEAN	196		97.4		191	
HIGHEST ANNUAL MEAN					316	
LOWEST ANNUAL MEAN					79.8	
HIGHEST DAILY MEAN	1390	Jan 28	897	Mar 24	12000	Sep 17 1999
LOWEST DAILY MEAN	2.5	Jul 19	2.7	Jul 23	.33	Oct 7 1993
ANNUAL SEVEN-DAY MINIMUM	3.3	Jul 14	3.4	Jul 18	.39	Oct 22 1973
MAXIMUM PEAK FLOW			907	Mar 24	15000*	Sep 17 1999
MAXIMUM PEAK STAGE			11.68	Mar 24	22.33*	Sep 17 1999
INSTANTANEOUS LOW FLOW			2.6*	Jul 22	.30*	Oct 23 1974
ANNUAL RUNOFF (CFSM)	1.17		.58		1.14	
ANNUAL RUNOFF (INCHES)	15.87		7.87		15.48	
10 PERCENT EXCEEDS	568		233		472	
50 PERCENT EXCEEDS	86		49		80	
90 PERCENT EXCEEDS	13		8.6		8.2	

\* See REMARKS.

02092500 TRENT RIVER NEAR TRENTON, NC--Continued

