

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 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.--Records poor. 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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.4	e3.9	9.3	9.9	101	57	220	56	6.0	5.6	6.5	3.9
2	6.7	e4.1	8.4	9.7	88	57	398	49	10	5.2	66	3.9
3	5.9	e4.5	10	10	76	446	488	42	15	5.0	22	4.3
4	4.9	4.7	22	11	67	800	494	40	18	4.6	12	4.2
5	4.2	4.8	15	17	62	1260	403	50	18	4.2	8.5	4.2
6	4.0	4.8	9.6	34	57	1320	296	59	18	4.5	6.3	3.8
7	4.6	5.2	6.9	82	69	987	221	60	19	4.3	4.6	3.6
8	4.3	5.4	7.0	112	134	649	174	58	18	4.4	3.5	3.3
9	4.3	5.6	7.6	110	185	418	147	52	16	4.9	2.7	3.7
10	4.4	5.8	7.8	97	197	271	123	45	16	5.1	2.2	4.5
11	4.2	6.1	7.8	92	189	209	110	39	15	5.2	1.9	4.9
12	4.7	6.1	8.3	73	172	169	99	34	13	5.2	1.7	5.0
13	5.1	6.3	12	58	150	205	88	30	13	5.4	1.6	4.8
14	5.0	6.5	14	57	125	454	80	31	13	6.3	1.6	4.9
15	5.2	6.3	16	70	109	541	72	29	15	9.3	1.6	5.6
16	4.3	6.2	15	67	97	607	68	27	14	8.6	1.3	6.8
17	4.3	5.9	13	58	88	615	68	23	12	7.6	1.1	7.8
18	e4.2	5.6	12	53	80	551	65	21	10	6.6	1.1	8.3
19	e4.1	5.5	13	48	70	439	60	24	9.7	6.3	0.86	8.8
20	e4.0	5.3	16	46	63	325	96	21	8.5	6.2	0.87	9.5
21	e4.0	5.3	15	46	65	264	171	18	7.4	5.3	0.97	10
22	e3.9	5.3	13	52	74	264	241	17	8.1	5.6	0.94	10
23	e4.0	5.0	15	74	78	255	284	16	9.8	6.4	0.84	13
24	e3.8	6.2	17	165	77	235	273	14	8.6	6.3	0.90	36
25	e3.9	7.5	15	243	74	209	222	12	7.5	6.2	1.3	99
26	e3.8	7.2	13	276	69	186	167	10	6.7	6.2	1.0	86
27	e3.7	6.7	11	268	66	216	124	9.4	6.6	6.4	1.4	64
28	e3.6	8.4	10	239	61	323	99	8.7	6.7	6.5	1.5	44
29	e3.5	12	9.9	191	---	326	82	6.6	6.5	6.1	2.0	23
30	e3.7	10	10	149	---	252	67	6.2	6.2	6.0	2.8	11
31	e3.6	---	11	120	---	194	---	5.8	---	5.7	3.7	---
TOTAL	137.3	182.2	370.6	2937.6	2743	13104	5500	913.7	351.3	181.2	165.28	501.8
MEAN	4.429	6.073	11.95	94.76	97.96	422.7	183.3	29.47	11.71	5.845	5.332	16.73
MAX	7.4	12	22	276	197	1320	494	60	19	9.3	66	99
MIN	3.5	3.9	6.9	9.7	57	57	60	5.8	6.0	4.2	0.84	3.3
CFSM	0.03	0.04	0.07	0.56	0.58	2.52	1.09	0.18	0.07	0.03	0.03	0.10
IN.	0.03	0.04	0.08	0.65	0.61	2.90	1.22	0.20	0.08	0.04	0.04	0.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2002, BY WATER YEAR (WY)

	MEAN	107.7	86.63	161.3	297.5	327.9	342.6	210.4	113.1	123.8	145.0	166.4	173.3
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 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1951 - 2002

ANNUAL TOTAL	30144.1	27087.98		
ANNUAL MEAN	82.59	74.21	189.1	
HIGHEST ANNUAL MEAN			316	1960
LOWEST ANNUAL MEAN			74.2	2002
HIGHEST DAILY MEAN	897	Mar 24	1320	Mar 6
LOWEST DAILY MEAN	2.7	Jul 23	0.84	Aug 23
ANNUAL SEVEN-DAY MINIMUM	3.4	Jul 18	0.93	Aug 18
MAXIMUM PEAK FLOW			1410	Mar 6
MAXIMUM PEAK STAGE			11.74	Mar 6
INSTANTANEOUS LOW FLOW			0.60	Aug 24
ANNUAL RUNOFF (CFSM)	0.49		0.44	
ANNUAL RUNOFF (INCHES)	6.67		6.00	15.29
10 PERCENT EXCEEDS	226		220	472
50 PERCENT EXCEEDS	31		12	78
90 PERCENT EXCEEDS	4.6		3.9	7.7

e Estimated.

* See REMARKS.

02092500 TRENT RIVER NEAR TRENTON, NC--Continued

