

NEUSE RIVER BASIN

02092554 TRENT RIVER AT POLLOCKSVILLE, NC

LOCATION.--Lat 35°00'38", long 77°13'10", Jones County, Hydrologic Unit 03020204, at downstream side of bridge on U.S. Highway 17, 0.5 mi downstream from Goshen Branch, and 0.2 mi northeast of Pollocksville.

DRAINAGE AREA.--370 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1996 to current year.

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is at NGVD of 1929. Prior to Oct. 1999 datum reported as 10 ft below NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Maximum gage height for period of record, from flood mark. This site is strongly affected by both astronomical and wind tides. The astronomical tides occur at primary harmonic periods of 12.42 hours and 24.8 hours. The published 24.0 hour mean daily discharge data for this site may be affected by aliasing due to tides and can contain fluctuations that are not representative of net downstream discharge.

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	105	90	154	66	285	119	787	129	90	144	98	251
2	117	83	-27	6.2	56	93	1000	267	63	160	92	94
3	120	81	177	252	288	793	1060	-4.8	-43	151	135	154
4	95	21	173	97	393	1040	812	200	268	73	151	189
5	130	104	158	132	13	1150	967	302	144	60	202	-13
6	75	116	156	211	193	1300	788	247	114	-29	-87	11
7	e200	123	106	231	163	1290	723	309	-162	170	162	127
8	e140	129	122	256	384	1290	598	59	139	103	82	60
9	e180	30	-36	309	409	1260	414	290	217	126	115	-33
10	e290	195	118	174	e50	1120	180	103	101	e50	128	153
11	124	-86	165	171	329	656	407	55	150	e-50	118	189
12	33	146	146	221	452	595	389	310	111	e150	217	73
13	159	93	157	184	249	505	346	269	59	126	112	271
14	119	221	193	216	282	777	322	75	e80	50	70	167
15	7.1	76	3.5	189	377	972	313	49	e40	80	135	102
16	203	87	102	199	256	983	260	224	103	183	140	169
17	96	40	215	205	269	871	266	125	96	39	104	7.5
18	15	121	138	145	123	923	255	31	124	188	113	69
19	195	176	73	224	272	765	312	-10	113	100	56	155
20	77	-8.6	184	119	153	923	174	131	-37	-46	122	62
21	112	197	53	240	196	702	163	133	198	111	-32	79
22	63	119	100	136	181	663	392	35	211	139	169	79
23	e130	54	105	327	103	716	217	261	194	150	87	-43
24	e160	176	107	400	242	560	494	233	204	49	163	279
25	148	153	43	459	322	491	543	3.6	121	95	-18	23
26	112	119	82	494	275	457	245	165	195	46	129	323
27	e140	151	172	478	269	407	323	45	152	151	90	258
28	e60	131	176	415	92	516	389	46	46	248	81	-31
29	e160	114	22	394	---	654	11	82	18	115	172	144
30	e100	143	75	337	---	589	318	138	43	56	44	265
31	114	---	97	262	---	496	---	151	---	83	77	---
TOTAL	3779.1	3194.4	3509.5	7549.2	7078	23676	13468	4452.8	3152	3071	3227	3633.5
MEAN	121.9	106.5	113.2	243.5	252.8	763.7	448.9	143.6	105.1	99.06	104.1	121.1
MAX	290	221	215	494	452	1300	1060	310	268	248	217	323
MIN	7.1	-86	-36	6.2	13	93	11	-10	-162	-50	-87	-43

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2002, BY WATER YEAR (WY)

	1996	1997	1998	1999	2000	2001	2002
MEAN	508.7	209.2	295.0	527.1	807.4	613.9	380.8
MAX	1397	418	672	888	2187	847	615
(WY)	2000	2000	1997	1998	1998	1998	2000
MIN	38.0	40.8	113	228	253	310	165
(WY)	1999	1999	2002	2001	2002	1999	2001

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1996 - 2002

ANNUAL TOTAL	99340.4	79790.5	
ANNUAL MEAN	272.2	218.6	435.0
HIGHEST ANNUAL MEAN			590
LOWEST ANNUAL MEAN			219
HIGHEST DAILY MEAN	1420	Jun 19	17500
LOWEST DAILY MEAN	-540	May 6	-1060
ANNUAL SEVEN-DAY MINIMUM	42	Sep 9	-136
MAXIMUM PEAK FLOW			1610
MAXIMUM PEAK STAGE			3.22
INSTANTANEOUS LOW FLOW			-1180
10 PERCENT EXCEEDS	596		494
50 PERCENT EXCEEDS	190		150
90 PERCENT EXCEEDS	54		37

e Estimated.  
\* See REMARKS.

Note.--Negative values indicate reverse flow.

02092554 TRENT RIVER AT POLLOCKSVILLE, NC--Continued

