

## 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 sea level. Prior to Oct. 1999 datum reported as 10 ft below sea level. 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 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1140	129	266	210	98	e450	654	190	345	383	588	160
2	990	99	18	240	239	e400	581	118	878	14	614	1.5
3	969	93	383	187	104	e300	614	111	900	292	381	296
4	632	163	476	203	238	e450	360	92	711	285	318	178
5	482	69	418	230	233	e550	631	113	640	194	245	-29
6	437	199	397	144	285	847	593	-540	634	17	246	122
7	238	158	378	201	221	546	342	402	537	248	256	173
8	226	113	393	205	287	684	407	103	414	272	157	107
9	413	108	202	158	292	628	341	131	375	35	191	149
10	323	140	472	141	142	513	23	178	371	387	157	164
11	290	39	309	207	158	564	462	171	310	430	138	40
12	193	65	301	115	367	396	377	124	224	64	134	58
13	255	168	e200	96	257	438	137	-128	138	312	125	121
14	213	155	e500	234	283	250	211	130	94	137	120	48
15	174	79	e300	193	226	396	338	121	843	209	349	-283
16	164	165	368	142	318	339	33	-99	1030	167	304	e375
17	90	143	519	147	197	431	178	247	1250	128	227	e425
18	194	85	221	232	415	369	265	158	e1350	109	269	171
19	135	23	348	193	503	298	191	19	1420	138	243	29
20	227	411	265	458	457	247	192	106	1270	172	360	151
21	192	207	320	377	e350	1020	188	246	1130	138	424	69
22	-4.9	127	366	225	e450	1250	152	160	1060	305	464	64
23	82	108	168	400	e520	1240	154	-168	954	324	544	121
24	232	135	330	370	513	1280	191	113	648	423	304	195
25	187	126	183	300	675	e1400	-124	226	458	211	129	44
26	123	509	252	253	392	e1300	81	86	490	115	247	121
27	94	376	258	261	e600	e1200	316	189	505	-169	344	88
28	142	361	e200	251	e500	1120	-138	103	549	232	190	-2.7
29	198	307	174	193	---	951	257	112	530	e500	103	-3.4
30	80	288	353	258	---	813	241	216	488	e400	186	88
31	79	---	206	236	---	730	---	118	---	920	146	---
TOTAL	9189.1	5148	9544	7060	9320	21400	8248	3148	20546	7392	8503	3240.4
MEAN	296	172	308	228	333	690	275	102	685	238	274	108
MAX	1140	509	519	458	675	1400	654	402	1420	920	614	425
MIN	-4.9	23	18	96	98	247	-138	-540	94	-169	103	-283

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2001, BY WATER YEAR (WY)

	1996	1997	1998	1999	2000	2001
MEAN	586	230	331	584	918	584
MAX	1397	418	672	888	2187	847
(WY)	2000	2000	1997	1998	1998	1998
MIN	38.0	40.8	125	228	333	310
(WY)	1999	1999	1999	2001	2001	1999

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1996 - 2001
ANNUAL TOTAL	177116.0	112738.5	
ANNUAL MEAN	484	309	478
HIGHEST ANNUAL MEAN			590
LOWEST ANNUAL MEAN			309
HIGHEST DAILY MEAN	2060	Sep 8	17500
LOWEST DAILY MEAN	-139	Jun 3	-1060
ANNUAL SEVEN-DAY MINIMUM	102	Oct 30	-136
MAXIMUM PEAK FLOW			2100
MAXIMUM PEAK STAGE			3.88
INSTANTANEOUS LOW FLOW			-1530
10 PERCENT EXCEEDS	1170		629
50 PERCENT EXCEEDS	331		234
90 PERCENT EXCEEDS	99		82

e Estimated.  
\* See REMARKS.

Note. -- Negative values indicate reverse flow.

02092554 TRENT RIVER AT POLLOCKSVILLE, NC--Continued

