

PAMLICO RIVER BASIN

02084000 TAR RIVER AT GREENVILLE, NC.

LOCATION.--Lat 35°37'00", long 77°22'30", Pitt County, Hydrologic Unit 03020103, on right bank approximately 1500 ft downstream from railroad bridge, and 21 mi upstream from Pamlico River at Washington.

DRAINAGE AREA.--2,660 mi² (revised).

PERIOD OF RECORD.--May 1997 to current year. Gage height records collected at site 800 ft upstream from 1905 to 1935 and at site 200 ft upstream from 1935 to 1984, are in reports of the National Weather Service. Unpublished records of gage height for the period October 1984 to September 1990 are available in files of USGS District Office, Raleigh, NC.

REVISED RECORDS.--WDR NC-99-1(m).

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is 2.36 ft below NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records fair. This site is affected by both astronomical and wind tides.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 22, 1940 reached a stage of 22.07 ft at site 200 ft upstream at present datum; discharge 36,500 ft³/s. Maximum observed stage during period 1905-39 (National Weather Service Records) 24.5 ft July 28, 1919.

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	444	184	401	402	2530	855	3360	804	337	123	225	4230
2	397	196	377	374	2210	797	4300	759	328	124	203	4980
3	372	192	381	461	1970	1170	5190	638	204	152	140	5760
4	345	180	414	482	1870	1650	6170	592	332	127	149	6930
5	325	201	376	512	1630	1900	7020	750	306	101	130	8460
6	334	192	353	608	1530	1920	7440	648	288	141	70	9590
7	327	173	351	944	1590	1780	7550	758	248	159	112	9580
8	233	192	353	1530	2320	1790	6820	698	276	151	101	8160
9	297	209	372	1940	3150	1790	4640	801	326	178	97	4440
10	286	276	331	2300	3750	1720	2910	787	252	177	75	2170
11	278	283	348	2280	3990	1440	2410	675	227	130	74	1360
12	214	251	334	2070	3730	1410	2130	702	251	246	167	929
13	308	216	496	2080	3340	1550	2080	688	215	378	100	804
14	246	225	510	2030	3120	1400	2040	e550	282	339	119	752
15	203	268	598	1990	3280	1500	2000	523	150	686	111	1700
16	265	234	630	1890	2670	1620	1910	530	128	498	125	1860
17	317	238	607	1770	2170	1570	1790	518	186	270	117	2350
18	238	229	e550	1600	1820	1650	1670	e460	112	283	98	4370
19	265	265	536	1470	1600	1640	1540	435	100	216	106	5400
20	259	240	675	1750	1460	1850	1440	356	92	98	105	5970
21	322	283	539	2970	1420	2150	1320	405	106	237	34	5400
22	337	266	452	4220	1330	2530	1450	324	145	178	122	3520
23	339	250	487	5070	1090	2640	1380	359	134	158	79	2440
24	273	286	510	5790	1010	2540	1230	401	81	212	117	1750
25	313	357	445	6340	986	2340	1250	284	98	241	24	1280
26	301	396	438	6750	972	2080	1060	385	127	413	112	1030
27	228	421	516	6920	1170	1970	984	281	116	637	256	939
28	159	420	444	6600	950	2000	995	296	90	525	886	863
29	189	408	432	5480	---	2270	949	353	72	377	1560	771
30	161	418	446	4040	---	2960	835	326	83	326	3430	713
31	181	---	405	3060	---	3080	---	267	---	249	3830	---
TOTAL	8756	7949	14107	85723	58658	57562	85863	16353	5692	8220	12874	108501
MEAN	282.5	265.0	455.1	2765	2095	1857	2862	527.5	189.7	265.2	415.3	3617
MAX	444	421	675	6920	3990	3080	7550	804	337	686	3830	9590
MIN	159	173	331	374	950	797	835	267	72	98	24	713
CFSM	0.11	0.10	0.17	1.06	0.80	0.71	1.09	0.20	0.07	0.10	0.16	1.38
IN.	0.12	0.11	0.20	1.22	0.83	0.82	1.22	0.23	0.08	0.12	0.18	1.54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2002, BY WATER YEAR (WY)

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
MEAN	2770	865.3	1206	3830	5298	4580	3050	1419	1270	809.7	1349	6433
MAX	11690	2232	1941	6167	13280	12020	4997	3377	3980	1763	4352	29850
(WY)	2000	2000	2000	1999	1998	1998	2001	1997	2001	2000	2000	1999
MIN	282	265	455	1133	1898	1857	1643	528	190	265	287	450
(WY)	2002	2002	2002	2001	2001	2002	1999	2002	2002	2002	1999	2001

02084000 TAR RIVER AT GREENVILLE, NC.--Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1997 - 2002	
ANNUAL TOTAL	648568		470258		2794	
ANNUAL MEAN	1777		1288		3833	
HIGHEST ANNUAL MEAN					1288	
LOWEST ANNUAL MEAN					72300	
HIGHEST DAILY MEAN	13600	Apr 7	9590	Sep 6	72300	Sep 21 1999
LOWEST DAILY MEAN	159	Oct 28	24	Aug 25	24	Aug 25 2002
ANNUAL SEVEN-DAY MINIMUM	180	Oct 28	84	Aug 19	84	Aug 19 2002
MAXIMUM PEAK FLOW			9870	Sep 6	73000	Sep 21 1999
MAXIMUM PEAK STAGE			12.85	Sep 6	29.72	Sep 21 1999
INSTANTANEOUS LOW FLOW			-638	Aug 25	-851	Aug 22 1999
ANNUAL RUNOFF (CFSM)	0.68		0.49		1.07	
ANNUAL RUNOFF (INCHES)	9.21		6.68		14.49	
10 PERCENT EXCEEDS	3970		3390		6420	
50 PERCENT EXCEEDS	926		487		1140	
90 PERCENT EXCEEDS	279		128		265	

e Estimated.

Note.--Negative values indicate reverse flow.

