

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 600 ft downstream of State Highway 11, 800 ft downstream from railroad bridge, and 21 mi upstream from Pamlico River at Washington.

DRAINAGE AREA.--2,620 mi².

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 Unpublished records of gage height for the period October 1984 to September 1990 are available in files of USGS District Office, Raleigh, NC.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 sea level. Satellite telemetry at station.

REMARKS.--Records fair except those during periods of tidal affects, Oct. 28 to Nov. 18 and Sept. 15-24, which are poor. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e6500	481	1770	992	1240	2150	6150	1840	1140	1070	6860	554
2	e4500	480	1080	976	1240	1970	7600	1600	1210	858	5720	517
3	e2700	475	939	908	1210	1830	9290	1390	1740	703	3430	505
4	2160	485	892	881	1220	1830	10900	1220	2830	681	2260	458
5	e1800	477	909	884	1220	2430	12300	1120	3580	1130	1670	387
6	e1600	499	899	866	1350	3260	13200	819	3190	846	1280	473
7	e1300	486	860	851	1370	3720	13600	891	2380	914	1020	438
8	e1200	478	887	874	1210	3770	13100	712	2600	1010	841	417
9	e1100	500	875	888	1110	3420	11400	654	3040	1070	714	427
10	e910	502	884	890	1110	2870	8330	733	3470	1030	656	442
11	894	454	866	949	1080	2350	4740	818	3350	1030	649	479
12	797	466	947	958	1070	2030	3190	665	2470	754	1080	469
13	757	517	827	961	1010	1830	3190	577	1700	748	1530	436
14	748	578	907	967	1010	1700	2740	587	1320	638	1660	440
15	698	536	888	948	1040	1650	2370	593	1490	585	2280	314
16	653	577	919	950	1100	1740	2010	539	2600	535	2870	397
17	635	608	1020	953	1260	1850	1750	588	5440	476	2730	399
18	655	625	1140	1060	1780	1930	1760	530	7900	446	2370	396
19	606	675	1660	1130	2480	1900	1630	476	10500	410	2660	301
20	603	758	2280	1160	3430	1790	1600	491	11900	351	3270	366
21	575	819	2710	1200	4180	2310	1570	531	12000	305	3130	300
22	558	768	2590	1330	4270	3980	1540	557	11000	283	2550	305
23	552	785	2310	1520	3790	5330	1460	573	8780	344	1930	279
24	542	788	1980	1690	3330	6420	1360	559	4550	375	1530	316
25	539	734	1690	1750	2840	7580	1410	624	2230	326	1200	486
26	530	985	1460	1660	2500	8520	1910	644	1610	366	1020	753
27	512	1140	1300	1570	2390	9130	2460	714	1430	926	880	696
28	483	1400	1200	1450	2290	9480	2670	919	1370	3970	826	627
29	506	1760	1110	1380	---	8810	2510	1260	1330	5190	716	584
30	478	2540	1080	1300	---	6490	2170	1580	1240	5860	653	550
31	473	---	1030	1220	---	5520	---	1860	---	6610	620	---
TOTAL	36564	22376	39909	35116	53130	119590	149910	26664	119390	39840	60605	13511
MEAN	1179	746	1287	1133	1898	3858	4997	860	3980	1285	1955	450
MAX	6500	2540	2710	1750	4270	9480	13600	1860	12000	6610	6860	753
MIN	473	454	827	851	1010	1650	1360	476	1140	283	620	279
CFSM	.45	.28	.49	.43	.72	1.47	1.91	.33	1.52	.49	.75	.17
IN.	.52	.32	.57	.50	.75	1.70	2.13	.38	1.70	.57	.86	.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2001, BY WATER YEAR (WY)

	1997	1998	1999	2000	2001
MEAN	3392	1015	1393	4097	6091
MAX	11690	2232	1941	6167	13280
(WY)	2000	2000	2000	1999	1998
MIN	294	325	911	1133	1898
(WY)	1999	1999	1999	2001	2001

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SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1997 - 2001	
ANNUAL TOTAL	905698		716605		3170	
ANNUAL MEAN	2475		1963		3833	
HIGHEST ANNUAL MEAN					1999	
LOWEST ANNUAL MEAN					2001	
HIGHEST DAILY MEAN	11600	Aug 1	13600	Apr 7	72300	Sep 21 1999
LOWEST DAILY MEAN	427	Jul 15	279	Sep 23	30	Aug 22 1999
ANNUAL SEVEN-DAY MINIMUM	478	Oct 30	323	Sep 18	104	Aug 7 1999
MAXIMUM PEAK FLOW			13800	Apr 7	73000	Sep 21 1999
MAXIMUM PEAK STAGE			15.19	Apr 7	29.72	Sep 21 1999
INSTANTANEOUS LOW FLOW			-235	Jul 21	-851	Aug 22 1999
ANNUAL RUNOFF (CFSM)	.94		.75		1.21	
ANNUAL RUNOFF (INCHES)	12.86		10.17		16.44	
10 PERCENT EXCEEDS	6050		4220		6890	
50 PERCENT EXCEEDS	1660		1110		1220	
90 PERCENT EXCEEDS	530		478		320	

e Estimated.

Note. -- Negative values indicate reverse flow.

