

02083500 TAR RIVER AT TARBORO, NC

LOCATION.--Lat 35°53'40", long 77°31'59", Edgecombe County, Hydrologic Unit 03020103, on right bank 50 ft downstream of bridge on U.S. Highway 64 in Tarboro, 6.5 mi downstream of Fishing Creek, and 49.2 mi upstream from Pamlico River at Washington.

DRAINAGE AREA.--2,183 mi².

PERIOD OF RECORD.--July 1896 to December 1900, October 1931 to current year. Gage-height records at various datums collected at same site since 1905 are contained in reports of National Weather Service, NOAA, U.S. Department of Commerce.

REVISED RECORDS.--WSP 1273: 1899-1900, 1933. WSP 1503: 1932. WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 9.32 ft above NAVD of 1988. July 1896 to December 1900, nonrecording gage at Seaboard Coast Line Railroad bridge 600 ft downstream at different datum; Oct. 1 to Dec. 8, 1931, nonrecording gage at site 100 ft upstream at present datum. Telephone and satellite telemetry at station.

REMARKS.--Records good. Some diurnal fluctuation at low flow caused by mills upstream from station. Maximum gage height for period of record, from floodmarks. Town of Tarboro diverted 3.9 ft³/s for municipal water supply. Minimum discharge for period of record also occurred Oct. 22, 1933, and Oct. 6, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 27, 1919, reached a stage of 34.0 ft, present datum, from flood marks; discharge, 52,800 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,240	917	3,940	2,350	2,770	3,190	6,500	1,050	863	674	985	146
2	1,380	863	3,570	2,350	3,150	4,010	6,320	1,110	803	639	978	138
3	1,360	811	2,920	2,190	3,110	4,930	5,780	1,130	907	667	913	130
4	1,290	797	2,480	2,040	2,970	5,150	5,440	1,180	1,230	724	846	153
5	1,240	819	2,170	1,920	2,980	4,080	5,270	1,220	1,410	650	746	149
6	1,190	889	1,930	1,780	3,080	3,190	4,730	1,460	1,360	544	621	140
7	1,090	1,290	1,760	1,680	3,110	2,590	3,690	3,480	1,280	469	484	134
8	1,020	1,640	1,640	1,570	2,810	2,300	3,020	4,190	1,390	421	429	130
9	898	1,450	1,570	1,480	2,490	2,450	2,860	4,210	1,460	375	375	126
10	851	1,280	1,670	1,410	2,270	3,170	3,300	3,610	2,440	344	328	121
11	761	1,160	2,210	1,350	2,110	4,140	3,630	2,720	2,630	319	308	117
12	709	1,100	2,970	1,290	1,950	4,360	3,410	2,040	1,900	306	304	113
13	687	1,290	4,100	1,250	1,820	4,100	3,250	1,730	1,510	327	344	123
14	813	1,770	4,880	1,570	1,700	3,410	3,840	1,630	1,360	396	458	132
15	1,300	2,930	4,290	3,700	1,620	2,840	4,080	1,950	1,170	379	384	132
16	2,000	3,590	3,020	5,360	1,590	2,480	3,740	2,380	971	373	336	121
17	2,350	3,460	2,390	6,200	1,550	3,120	3,140	3,200	832	308	433	118
18	2,040	3,210	1,990	7,120	1,530	4,550	2,590	3,360	694	283	457	118
19	1,690	2,540	1,780	7,070	1,480	5,250	2,190	2,960	567	280	355	118
20	1,510	2,010	1,640	5,160	1,410	6,060	1,890	2,680	511	281	415	116
21	1,270	1,710	1,550	3,510	1,340	6,400	1,710	2,850	473	361	341	137
22	1,660	1,520	1,480	2,800	1,300	5,830	1,600	3,040	431	1,090	294	166
23	2,640	1,410	1,450	2,570	1,280	4,820	1,510	2,900	400	1,350	276	127
24	2,670	1,600	1,510	2,420	1,340	4,650	1,430	2,470	380	1,080	265	117
25	2,620	1,960	1,640	2,250	1,650	5,000	1,350	1,890	367	952	253	115
26	2,260	2,440	1,810	2,110	1,930	5,020	1,280	1,610	355	1,040	234	116
27	1,650	2,720	1,980	2,020	2,150	4,720	1,250	1,440	346	939	217	120
28	1,390	2,660	1,920	1,920	2,380	4,020	1,190	1,290	394	718	187	118
29	1,240	2,850	1,820	1,810	---	3,840	1,100	1,190	647	611	181	111
30	1,080	3,330	1,820	1,820	---	4,990	1,090	1,070	833	556	167	106
31	981	---	2,070	2,310	---	5,790	---	959	---	661	157	---
TOTAL	44,880	56,016	71,970	84,380	58,870	130,450	92,180	67,999	29,914	18,117	13,071	3,808
MEAN	1,448	1,867	2,322	2,722	2,102	4,208	3,073	2,194	997	584	422	127
MAX	2,670	3,590	4,880	7,120	3,150	6,400	6,500	4,210	2,630	1,350	985	166
MIN	687	797	1,450	1,250	1,280	2,300	1,090	959	346	280	157	106
CFSM	0.66	0.86	1.06	1.25	0.96	1.93	1.41	1.00	0.46	0.27	0.19	0.06
IN.	0.76	0.95	1.23	1.44	1.00	2.22	1.57	1.16	0.51	0.31	0.22	0.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1896 - 2005,® BY WATER YEAR (WY)

MEAN	1,151	1,296	2,042	3,271	4,237	4,401	3,238	1,843	1,345	1,274	1,446	1,624
MAX	8,896	5,049	6,195	10,020	12,920	11,050	8,553	8,411	4,873	6,291	8,260	26,760
(WY)	(2000)	(1948)	(1949)	(1936)	(1899)	(1989)	(1987)	(1958)	(1979)	(1975)	(1940)	(1999)
MIN	56.7	115	191	253	497	1,116	688	344	146	165	180	63.8
(WY)	(1934)	(1934)	(1934)	(1934)	(1934)	(1981)	(1995)	(2002)	(2002)	(2002)	(1993)	(1968)

PAMLICO RIVER BASIN

02083500 TAR RIVER AT TARBORO, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1896 - 2005 [@]	
ANNUAL TOTAL	763,114		671,655		2,263	
ANNUAL MEAN	2,085		1,840		4,199	
HIGHEST ANNUAL MEAN					594	
LOWEST ANNUAL MEAN					1981	
HIGHEST DAILY MEAN	11,100	Aug 19	7,120	Jan 18	70,500	Sep 19, 1999
LOWEST DAILY MEAN	365	Jun 22	106	Sep 30	36	Oct 17, 1933
ANNUAL SEVEN-DAY MINIMUM	401	Jun 18	115	Sep 24	40	Sep 26, 1932
MAXIMUM PEAK FLOW			7,410	Jan 19	70,600*	Sep 19, 1999
MAXIMUM PEAK STAGE			15.44	Jan 19	41.51*	Sep 19, 1999
INSTANTANEOUS LOW FLOW			104	Sep 30	36*	Oct 17, 1933
ANNUAL RUNOFF (CFSM)	0.955		0.843		1.04	
ANNUAL RUNOFF (INCHES)	13.00		11.45		14.09	
10 PERCENT EXCEEDS	4,240		4,010		5,640	
50 PERCENT EXCEEDS	1,660		1,510		1,250	
90 PERCENT EXCEEDS	512		245		284	

[@] See PERIOD OF RECORD.

* See REMARKS.

