

02083500 TAR RIVER AT TARBORO, NC

LOCATION.--Lat 35°53'39.9", long 77°31'59.0", 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. National Weather Service telephone telemetry at station. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. 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 3.8 ft³/s for municipal water supply. Minimum discharge for period of record also occurred Oct. 22, 1933, and Oct. 6, 1968. Minimum discharge for current water year also occurred on Oct. 9.

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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	423	5,010	1,560	4,360	3,750	8,750	5,220	2,520	6,260	e926	931	628
2	395	5,270	1,460	3,840	4,770	9,160	5,980	2,170	4,220	1,030	952	717
3	374	4,150	1,380	3,880	5,620	10,200	6,710	1,920	e3,030	1,800	951	604
4	349	3,050	1,320	4,590	5,690	11,900	6,470	1,790	e2,450	2,570	1,280	760
5	335	2,510	1,780	4,910	5,050	13,000	4,720	1,720	2,120	3,580	1,370	e920
6	308	2,330	3,700	4,550	4,040	e13,000	3,860	1,670	e1,870	4,260	1,470	e770
7	274	2,680	5,090	3,970	3,770	e12,400	3,410	1,640	e2,530	3,140	e2,150	e710
8	256	3,120	5,850	3,360	4,560	11,700	4,600	1,580	e4,680	1,900	e3,370	e950
9	254	3,670	6,490	2,970	5,280	11,100	6,430	1,580	7,190	1,460	e3,600	888
10	273	3,260	6,470	2,650	6,060	10,300	9,270	1,610	8,130	1,350	e3,950	806
11	470	2,670	5,710	2,390	6,620	8,530	12,500	1,790	8,230	1,340	e5,050	726
12	1,510	2,460	4,820	2,180	6,430	6,800	16,500	1,830	7,990	1,130	e6,120	661
13	3,400	3,390	4,380	1,990	5,700	5,100	18,600	2,050	7,540	1,120	6,520	639
14	5,290	4,840	5,040	1,840	4,780	3,910	20,100	2,130	e5,570	1,050	6,680	581
15	5,990	5,710	6,040	1,720	3,880	3,370	20,800	1,940	3,690	1,120	6,060	551
16	6,840	6,460	6,760	1,650	3,380	3,050	20,500	1,550	2,600	1,340	4,960	520
17	7,390	6,500	7,320	1,630	4,310	2,960	17,400	1,300	2,010	1,950	4,600	882
18	6,720	6,320	7,720	1,620	5,130	2,950	11,900	1,180	1,810	1,700	4,120	2,290
19	5,160	6,310	7,420	1,590	5,500	3,170	7,610	1,750	2,170	1,490	3,760	6,130
20	3,490	6,480	5,510	1,570	5,590	3,110	5,000	2,970	2,480	1,600	3,340	7,580
21	e2,630	6,570	4,740	1,510	5,540	5,560	3,610	4,170	2,600	1,570	2,440	8,050
22	e2,510	5,580	4,200	1,490	5,590	7,600	3,250	4,960	2,780	1,270	1,890	8,600
23	2,730	4,410	4,020	1,500	6,180	9,320	2,990	5,710	2,470	974	1,600	9,360
24	e2,690	3,670	3,700	1,440	7,300	11,100	2,750	7,310	2,050	877	1,380	9,610
25	e2,470	3,020	3,800	1,390	8,130	12,500	2,570	8,810	e1,720	757	1,240	9,360
26	2,130	2,570	4,490	1,350	8,680	13,800	2,420	9,650	e1,470	692	1,130	8,820
27	1,800	2,240	5,320	1,340	9,090	13,700	2,530	10,800	e1,280	736	879	6,970
28	e1,530	2,000	6,130	1,360	8,940	9,630	2,650	11,700	1,090	821	807	4,800
29	1,430	1,820	6,820	1,350	---	6,430	2,900	11,800	e947	786	715	2,880
30	1,970	1,680	6,760	1,380	---	4,450	2,930	10,700	e986	808	632	2,090
31	4,090	---	5,250	2,320	---	4,540	---	8,300	---	976	572	---
TOTAL	75,481	119,750	151,050	73,690	159,360	253,090	236,180	130,600	103,963	46,123	84,519	98,853
MEAN	2,435	3,992	4,873	2,377	5,691	8,164	7,873	4,213	3,465	1,488	2,726	3,295
MAX	7,390	6,570	7,720	4,910	9,090	13,800	20,800	11,800	8,230	4,260	6,680	9,610
MIN	254	1,680	1,320	1,340	3,380	2,950	2,420	1,180	947	692	572	520
CFSM	1.12	1.83	2.23	1.09	2.61	3.74	3.61	1.93	1.59	0.68	1.25	1.51
IN.	1.29	2.04	2.57	1.26	2.72	4.31	4.02	2.23	1.77	0.79	1.44	1.68

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1896 - 2003,® BY WATER YEAR (WY)

MEAN	1,147	1,281	2,008	3,299	4,274	4,434	3,258	1,844	1,361	1,292	1,428	1,615
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1896 - 2003 [®]	
ANNUAL TOTAL	715,587		1,532,659		2,269	
ANNUAL MEAN	1,961		4,199		4,199	
HIGHEST ANNUAL MEAN					594	2003
LOWEST ANNUAL MEAN					1981	1981
HIGHEST DAILY MEAN	9,840	Sep 5	20,800	Apr 15	70,500	Sep 19, 1999
LOWEST DAILY MEAN	73	Aug 24	254	Oct 9	36	Oct 17, 1933
ANNUAL SEVEN-DAY MINIMUM	78	Aug 19	293	Oct 4	40	Sep 26, 1932
MAXIMUM PEAK FLOW			21,000	Apr 15	70,600*	Sep 19, 1999
MAXIMUM PEAK STAGE			26.27	Apr 15	41.51*	Sep 19, 1999
INSTANTANEOUS LOW FLOW			247*	Oct 8	36	Oct 17, 1933
ANNUAL RUNOFF (CFSM)	0.90		1.92		1.04	
ANNUAL RUNOFF (INCHES)	12.19		26.12		14.12	
10 PERCENT EXCEEDS	5,850		8,770		5,690	
50 PERCENT EXCEEDS	1,140		3,170		1,230	
90 PERCENT EXCEEDS	109		881		282	

* See REMARKS.
[®] See PERIOD OF RECORD.
 e Estimated.

