

## 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 mi<sup>2</sup>.

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 4.0 ft<sup>3</sup>/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 June 23.

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 ft<sup>3</sup>/s.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,650	4,660	1,430	1,990	1,980	2,580	1,310	e1,570	503	615	2,640	4,890
2	1,500	4,200	1,450	1,890	2,100	2,570	1,570	e1,740	479	589	3,180	6,070
3	1,330	3,230	1,420	1,800	2,210	2,430	1,700	e2,130	454	656	2,490	7,290
4	1,170	2,520	1,370	1,730	2,480	2,240	2,310	e3,460	434	832	2,370	8,180
5	992	2,050	1,430	1,700	3,010	2,100	2,340	4,270	492	611	3,640	7,980
6	887	1,790	1,650	1,690	3,970	2,040	1,950	4,520	494	516	4,630	6,260
7	816	1,610	1,970	1,720	4,300	1,960	1,680	4,040	507	538	4,550	4,970
8	762	1,400	2,600	1,850	4,520	1,930	1,480	3,000	574	511	3,230	3,440
9	739	1,330	2,600	1,890	5,170	2,010	1,110	2,240	572	457	2,020	3,510
10	e804	1,340	2,300	1,850	5,870	1,920	1,060	1,710	561	396	1,470	4,910
11	e770	1,390	3,390	1,810	5,930	1,780	1,130	1,320	736	373	1,060	5,680
12	e853	1,330	4,790	1,760	5,500	1,670	1,260	1,090	710	407	767	5,440
13	e858	1,180	5,650	1,700	5,000	1,540	1,520	897	576	523	691	5,550
14	866	1,090	7,020	1,640	4,420	1,430	2,680	790	512	493	1,450	4,760
15	897	1,050	8,000	1,600	4,180	1,400	3,940	691	471	492	4,520	3,320
16	965	1,030	9,050	1,580	4,190	1,760	e3,520	621	442	519	7,000	2,540
17	907	959	9,610	1,530	4,250	3,030	e3,250	564	438	522	9,400	2,120
18	875	936	10,000	1,500	4,230	3,720	e3,000	553	420	464	10,300	2,090
19	874	941	10,200	1,530	4,100	3,950	e2,620	529	430	431	11,100	2,510
20	869	1,290	9,400	1,540	3,800	3,760	e2,340	506	438	570	10,800	3,110
21	844	1,970	7,750	1,620	3,460	3,290	e2,020	499	369	737	8,610	3,740
22	745	3,090	6,080	1,650	3,120	2,740	1,720	519	365	738	6,800	3,480
23	712	3,470	4,390	1,570	2,800	2,290	1,490	537	382	788	4,680	2,820
24	680	3,020	3,520	1,490	2,520	e1,990	1,280	698	405	702	2,920	2,250
25	634	2,450	3,170	1,430	2,280	e1,820	1,110	676	434	575	2,340	1,850
26	587	2,040	3,000	1,450	2,080	1,590	1,050	536	582	529	1,880	1,560
27	581	1,780	2,830	1,420	2,040	1,470	1,100	524	716	456	1,530	1,330
28	610	1,600	2,630	1,500	2,270	1,390	e1,220	498	620	442	1,310	1,210
29	1,950	1,500	2,430	1,580	2,460	1,340	e1,340	481	581	478	1,020	1,140
30	4,060	1,420	2,260	1,690	---	1,260	e1,460	472	617	792	903	1,200
31	4,390	---	2,120	1,840	---	1,210	---	470	---	1,720	2,260	---
TOTAL	35,177	57,666	135,510	51,540	104,240	66,210	55,560	42,151	15,314	18,472	121,561	115,200
MEAN	1,135	1,922	4,371	1,663	3,594	2,136	1,852	1,360	510	596	3,921	3,840
MAX	4,390	4,660	10,200	1,990	5,930	3,950	3,940	4,520	736	1,720	11,100	8,180
MIN	581	936	1,370	1,420	1,980	1,210	1,050	470	365	373	691	1,140
CFSM	0.52	0.88	2.00	0.76	1.65	0.98	0.85	0.62	0.23	0.27	1.80	1.76
IN.	0.60	0.98	2.31	0.88	1.78	1.13	0.95	0.72	0.26	0.31	2.07	1.96

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1896 - 2004,<sup>@</sup> BY WATER YEAR (WY)

MEAN	1,147	1,289	2,039	3,278	4,265	4,404	3,240	1,838	1,350	1,283	1,460	1,643
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

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1896 - 2004 <sup>@</sup>	
ANNUAL TOTAL	1,414,731		818,601			
ANNUAL MEAN	3,876		2,237		2,269	
HIGHEST ANNUAL MEAN					4,199	2003
LOWEST ANNUAL MEAN					594	1981
HIGHEST DAILY MEAN	20,800	Apr 15	11,100	Aug 19	70,500	Sep 19, 1999
LOWEST DAILY MEAN	520	Sep 16	365	Jun 22	36	Oct 17, 1933
ANNUAL SEVEN-DAY MINIMUM	641	Sep 10	401	Jun 18	40	Sep 26, 1932
MAXIMUM PEAK FLOW			11,400	Aug 19	70600*	Sep 19, 1999
MAXIMUM PEAK STAGE			20.28	Aug 19	41.51*	Sep 19, 1999
INSTANTANEOUS LOW FLOW			348*	Jun 21	36	Oct 17, 1933
ANNUAL RUNOFF (CFSM)	1.78		1.02		1.04	
ANNUAL RUNOFF (INCHES)	24.11		13.95		14.12	
10 PERCENT EXCEEDS	9,120		4,670		5,670	
50 PERCENT EXCEEDS	2,520		1,620		1,240	
90 PERCENT EXCEEDS	849		512		285	

<sup>@</sup> See PERIOD OF RECORD.

\* See REMARKS.

e Estimated.

