

## 02084000 TAR RIVER AT GREENVILLE, NC.

LOCATION.--Lat 35°37'00", long 77°22'22", 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 mi<sup>2</sup> (revised).

## WATER-DISCHARGE RECORDS

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 Unpublished records of gage height for the period October 1984 to September 1990 are available in files of USGS District Office, Raleigh, NC.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 3.54 ft below NAVD of 1988. 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 ft<sup>3</sup>/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 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,620	5,520	1,700	2,530	2,250	e3,100	1,740	1,570	692	899	2,220	3,680
2	2,050	5,460	1,660	2,420	2,350	e3,150	1,930	1,560	638	975	3,040	5,640
3	1,800	4,650	1,590	2,310	2,500	e2,950	2,110	2,730	568	923	3,200	7,290
4	1,600	3,680	1,560	2,180	2,750	2,830	2,420	4,490	582	1,100	2,640	8,440
5	1,380	2,920	1,690	e2,190	3,100	2,610	2,760	5,340	1,030	1,160	2,890	8,980
6	1,110	2,580	2,010	2,070	3,620	2,530	2,480	5,820	824	796	3,970	8,830
7	1,010	2,400	2,100	1,910	4,170	2,410	2,210	5,550	774	727	4,560	7,820
8	913	2,160	e2,400	1,820	4,310	2,460	1,970	4,740	813	779	4,150	5,720
9	885	1,910	2,770	1,890	4,600	2,390	1,660	3,560	937	671	3,050	4,420
10	1,110	1,790	2,600	1,850	5,100	2,400	1,360	2,720	841	529	2,070	4,790
11	e1,070	1,790	3,190	1,760	5,650	2,240	1,450	2,190	941	436	1,570	5,410
12	e950	1,820	4,450	1,780	5,850	2,130	1,500	1,780	1,100	442	1,180	5,760
13	958	1,910	5,270	1,830	5,550	1,950	1,730	1,610	969	503	1,010	5,870
14	896	1,630	6,490	e1,750	5,030	1,820	2,580	1,440	840	646	1,460	5,790
15	1,070	1,490	8,240	e1,700	4,670	1,770	3,720	1,260	722	574	4,520	4,890
16	855	e1,410	9,930	e1,650	4,610	1,900	4,510	1,080	648	535	6,650	3,500
17	916	1,370	10,900	1,560	4,660	2,500	4,790	957	621	575	8,610	2,650
18	940	1,190	11,700	1,700	4,730	3,440	4,700	867	584	563	10,400	2,490
19	936	1,180	12,000	1,710	4,650	3,990	4,220	870	555	479	11,600	2,560
20	949	1,630	11,700	1,740	4,440	4,020	3,460	816	459	470	11,900	2,880
21	934	2,150	10,700	1,740	4,060	3,830	2,840	784	466	771	11,800	3,460
22	922	2,820	9,280	1,800	3,610	3,390	2,420	800	458	880	10,700	3,670
23	809	3,560	7,630	1,820	3,200	2,870	2,150	942	413	1,030	8,990	3,260
24	710	3,540	5,490	1,750	2,870	2,520	1,870	1,090	428	1,200	6,460	2,650
25	716	3,020	4,110	e1,660	2,590	2,270	1,620	1,300	467	901	3,830	2,160
26	704	2,510	3,650	e1,700	2,350	2,100	1,560	1,080	663	708	2,690	1,820
27	667	2,160	3,430	e1,700	2,310	2,020	1,630	1,010	924	631	e2,500	1,540
28	704	1,920	3,210	1,900	2,660	1,880	1,690	950	1,070	519	2,020	1,480
29	2,000	2,000	3,000	1,850	2,920	1,740	1,650	679	901	424	1,670	1,420
30	4,330	1,690	2,850	2,010	---	1,680	1,640	694	909	588	1,500	1,270
31	5,150	---	2,670	2,140	---	1,550	---	697	---	1,230	1,560	---
TOTAL	41,664	73,860	159,970	58,420	111,160	78,440	72,370	60,976	21,837	22,664	144,410	130,140
MEAN	1,344	2,462	5,160	1,885	3,833	2,530	2,412	1,967	728	731	4,658	4,338
MAX	5,150	5,520	12,000	2,530	5,850	4,020	4,790	5,820	1,100	1,230	11,900	8,980
MIN	667	1,180	1,560	1,560	2,250	1,550	1,360	679	413	424	1,010	1,270
CFSM	0.51	0.93	1.94	0.71	1.44	0.95	0.91	0.74	0.27	0.27	1.75	1.63
IN.	0.58	1.03	2.24	0.82	1.55	1.10	1.01	0.85	0.31	0.32	2.02	1.82

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

MEAN	2,580	1,689	2,387	3,409	5,221	5,050	3,790	1,931	1,561	948	2,095	5,917
MAX	11,690	5,031	5,521	6,167	13,280	12,020	8,873	4,968	4,141	1,998	4,658	29,850
(WY)	(2000)	(2003)	(2003)	(1999)	(1998)	(1998)	(2003)	(2003)	(2003)	(2003)	(2004)	(1999)
MIN	282	265	455	1,133	1,898	1,857	1,643	528	190	265	287	450
(WY)	(2002)	(2002)	(2002)	(2001)	(2001)	(2002)	(1999)	(2002)	(2002)	(2002)	(1999)	(2001)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1997 - 2004	
ANNUAL TOTAL	1,708,516		975,911			
ANNUAL MEAN	4,681		2,666		3,098	
HIGHEST ANNUAL MEAN					5,052	2003
LOWEST ANNUAL MEAN					1,288	2002
HIGHEST DAILY MEAN	19,800	Apr 17	12,000	Dec 19	72,300	Sep 21, 1999
LOWEST DAILY MEAN	616	Sep 17	413	Jun 23	24	Aug 25, 2002
ANNUAL SEVEN-DAY MINIMUM	725	Sep 11	464	Jun 19	84	Aug 19, 2002
MAXIMUM PEAK FLOW			12,600	Aug 20	73,000	Sep 21, 1999
MAXIMUM PEAK STAGE			14.51	Aug 20	29.72	Sep 21, 1999
INSTANTANEOUS LOW FLOW			-466	Aug 14	-851	Aug 22, 1999
ANNUAL RUNOFF (CFSM)	1.76		1.00		1.16	
ANNUAL RUNOFF (INCHES)	23.89		13.65		15.82	
10 PERCENT EXCEEDS	11,400		5,470		7,180	
50 PERCENT EXCEEDS	2,950		1,920		1,630	
90 PERCENT EXCEEDS	974		704		305	

e Estimated.

