

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 mi² (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 Unpublished records of gage height for the period October 1984 to September 1990 are available in files of USGS District Office, Raleigh, NC.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 except those for negative flow, 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,290	1,030	3,650	2,580	2,930	3,400	6,460	1,240	959	1,240	825	173
2	1,390	1,030	3,840	2,790	3,360	4,100	7,370	1,220	846	988	994	193
3	1,440	938	3,330	2,700	3,560	4,830	7,530	1,230	979	864	987	136
4	1,400	947	2,790	2,510	3,440	5,400	7,120	1,240	1,010	841	925	128
5	1,350	981	2,420	2,360	3,400	5,310	6,670	1,260	1,310	846	843	153
6	1,290	997	2,140	2,190	3,430	4,340	6,150	1,750	1,360	770	753	133
7	1,220	1,100	1,950	2,040	3,510	3,290	5,060	3,680	1,350	587	605	147
8	1,140	1,470	1,830	1,940	3,310	2,860	4,090	5,000	1,470	580	524	180
9	1,120	1,550	1,730	1,780	3,000	2,670	3,530	5,300	1,650	460	451	139
10	1,010	1,390	1,750	1,720	2,760	3,000	3,520	5,000	1,920	419	372	148
11	914	1,290	2,060	1,620	2,520	3,840	3,890	4,020	2,630	382	357	74
12	901	1,240	2,530	1,580	2,340	4,480	3,980	2,940	2,600	348	339	178
13	811	1,630	3,470	1,510	2,170	4,540	3,960	2,290	2,020	384	337	149
14	945	1,960	4,350	1,730	2,080	4,130	4,890	2,030	1,620	473	447	-20
15	1,200	2,400	4,840	3,120	2,010	3,460	6,180	1,980	1,370	494	503	289
16	1,660	3,300	4,120	4,730	1,990	2,970	6,150	2,290	1,120	423	421	243
17	2,210	3,580	2,940	5,900	1,940	3,300	5,230	2,830	913	352	719	245
18	2,240	3,410	2,330	7,410	1,900	4,780	4,190	3,360	803	401	935	251
19	1,940	2,960	2,040	8,530	1,810	5,820	3,310	3,300	686	373	812	143
20	1,700	2,360	1,950	8,430	1,760	6,980	2,750	2,950	573	411	856	240
21	1,500	1,950	1,760	6,430	1,730	8,030	2,370	2,870	582	305	788	187
22	1,340	1,720	1,700	4,050	1,660	8,380	2,140	3,010	529	561	594	205
23	1,990	1,570	1,640	3,260	1,630	7,590	1,970	3,050	368	1,270	421	270
24	2,510	1,610	1,660	2,870	1,710	6,440	1,900	2,740	396	1,300	358	179
25	2,520	1,900	1,720	2,660	1,930	6,080	1,720	2,270	381	1,020	362	142
26	2,410	2,220	1,900	2,530	2,240	6,070	1,550	1,820	402	975	322	221
27	1,920	2,630	2,060	2,410	2,430	5,910	1,530	1,570	340	963	339	143
28	1,520	2,780	2,130	2,270	2,670	5,300	1,430	1,410	470	795	251	127
29	1,390	2,840	2,060	2,150	---	4,570	1,320	1,220	1,190	705	227	210
30	1,270	3,090	2,030	2,170	---	4,620	1,310	1,130	1,460	708	246	93
31	1,150	---	2,220	2,440	---	5,340	---	987	---	687	297	---
TOTAL	46,691	57,873	76,940	100,410	69,220	151,830	119,270	76,987	33,307	20,925	17,210	5,099
MEAN	1,506	1,929	2,482	3,239	2,472	4,898	3,976	2,483	1,110	675	555	170
MAX	2,520	3,580	4,840	8,530	3,560	8,380	7,530	5,300	2,630	1,300	994	289
MIN	811	938	1,640	1,510	1,630	2,670	1,310	987	340	305	227	-20
CFSM	0.57	0.73	0.93	1.22	0.93	1.84	1.49	0.93	0.42	0.25	0.21	0.06
IN.	0.65	0.81	1.08	1.40	0.97	2.12	1.67	1.08	0.47	0.29	0.24	0.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

MEAN	2,446	1,719	2,399	3,388	4,880	5,031	3,814	1,993	1,511	918	1,924	5,279
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	170
(WY)	(2002)	(2002)	(2002)	(2001)	(2001)	(2002)	(1999)	(2002)	(2002)	(2002)	(1999)	(2005)

02084000 TAR RIVER AT GREENVILLE, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1997 - 2005	
ANNUAL TOTAL	881,921		775,762			
ANNUAL MEAN	2,410		2,125		2,976	
HIGHEST ANNUAL MEAN					5,052	2003
LOWEST ANNUAL MEAN					1,288	2002
HIGHEST DAILY MEAN	11,900	Aug 20	8,530	Jan 19	72,300	Sep 21, 1999
LOWEST DAILY MEAN	413	Jun 23	-20	Sep 14	-20	Sep 14, 2005
ANNUAL SEVEN-DAY MINIMUM	464	Jun 19	121	Sep 8	84	Aug 19, 2002
MAXIMUM PEAK FLOW			9,020	Jan 19	73,000	Sep 21, 1999
MAXIMUM PEAK STAGE			11.46	Jan 20	29.72	Sep 21, 1999
INSTANTANEOUS LOW FLOW			-610	Sep 24	-851	Aug 22, 1999
ANNUAL RUNOFF (CFSM)	0.906		0.799		1.12	
ANNUAL RUNOFF (INCHES)	12.33		10.85		15.20	
10 PERCENT EXCEEDS	4,660		4,660		6,820	
50 PERCENT EXCEEDS	1,900		1,720		1,640	
90 PERCENT EXCEEDS	726		331		305	

