

PAMLICO RIVER BASIN

02081500 TAR RIVER NEAR TAR RIVER, NC

LOCATION.--Lat 36°11'41", long 78°35'00", Granville County, Hydrologic Unit 03020101, on right bank 90 ft upstream from bridge on State Highway 96, 1.2 mi upstream from Fishing Creek, 2.5 mi east of town of Tar River, and 8 mi south of Oxford.

DRAINAGE AREA.--167 mi².

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORDS.--WSP 972: 1940-41. WSP 1112: 1941 (calendar year figures). WSP 1273: 1941(M). WSP 1723:

GAGE.--Water-stage recorder and concrete control with sharp-crested weir. Datum of gage is 287.25 ft above sea level. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges which are fair. Occasional intermittent diversion for irrigation. Maximum discharge for period of record from rating curve extended above 11,500 ft³/s, by logarithmic plotting.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	4.1	10	15	34	60	1240	32	54	16	71	5.9
2	15	4.5	8.7	14	31	53	1560	29	577	14	45	6.6
3	14	5.0	8.4	14	28	49	533	27	179	12	32	5.4
4	13	5.5	6.9	13	26	134	327	27	77	12	27	4.8
5	11	5.5	6.2	13	28	352	242	25	48	55	23	4.6
6	9.7	6.8	6.6	13	29	324	192	24	37	64	19	4.1
7	7.7	6.5	6.7	13	29	170	164	22	32	33	17	3.5
8	7.8	7.2	7.2	14	28	106	143	21	36	25	14	3.0
9	7.1	6.8	6.5	15	26	77	122	21	40	30	13	4.6
10	5.5	7.3	6.9	15	26	63	104	20	33	27	12	5.4
11	5.7	7.0	7.4	15	24	56	89	19	26	20	34	5.8
12	e4.7	8.2	7.3	14	23	50	81	19	29	15	162	6.8
13	e4.2	7.7	7.1	14	30	50	76	19	44	12	66	6.3
14	4.4	9.8	7.2	13	45	49	71	18	44	11	259	5.5
15	4.0	7.5	7.2	14	64	49	65	17	75	10	56	4.1
16	3.8	5.7	8.0	14	79	75	59	19	548	9.0	24	3.1
17	3.7	5.6	170	13	984	123	55	24	333	7.8	17	2.7
18	3.4	14	222	15	639	80	57	30	124	6.9	14	2.6
19	3.1	11	87	18	227	62	51	32	62	6.5	13	2.3
20	3.1	7.4	56	175	137	55	47	28	44	6.0	12	2.0
21	3.5	6.5	44	359	94	2180	44	25	33	5.4	11	4.0
22	3.1	6.5	36	163	76	3680	42	23	27	5.0	9.7	2.5
23	2.5	6.8	30	94	71	852	39	23	62	4.8	8.8	2.1
24	4.5	5.8	25	65	82	309	37	21	59	4.6	8.3	2.6
25	3.9	9.1	22	52	87	209	43	19	38	4.9	7.8	4.1
26	2.8	20	21	43	96	159	56	37	27	4.4	6.6	3.2
27	4.7	26	20	36	90	127	52	146	23	1030	5.9	2.7
28	3.8	20	19	31	71	102	44	69	22	456	5.2	2.7
29	3.8	15	18	28	---	427	37	45	20	142	5.1	3.2
30	3.8	12	17	30	---	4430	34	34	19	240	4.4	2.8
31	4.2	---	16	34	---	1790	---	26	---	148	5.1	---
TOTAL	189.5	270.8	921.3	1379	3204	16302	5706	941	2772	2437.3	1007.9	119.0
MEAN	6.11	9.03	29.7	44.5	114	526	190	30.4	92.4	78.6	32.5	3.97
MAX	18	26	222	359	984	4430	1560	146	577	1030	259	6.8
MIN	2.5	4.1	6.2	13	23	49	34	17	19	4.4	4.4	2.0
CFSM	.04	.05	.18	.27	.69	3.15	1.14	.18	.55	.47	.19	.02
IN.	.04	.06	.21	.31	.71	3.63	1.27	.21	.62	.54	.22	.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2001, BY WATER YEAR (WY)

	MEAN	110	144	258	320	340	216	119	76.8	79.3	75.5	84.7
MAX	565	599	558	819	798	1047	676	475	488	677	542	939
(WY)	1972	1973	1973	1978	1960	1998	1978	1978	1982	1975	1955	1999
MIN	.41	.28	4.39	7.04	62.6	61.0	33.1	16.9	4.30	.92	1.39	.28
(WY)	1971	1942	1942	1942	1968	1981	1995	1941	1970	1966	1976	1968

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1940 - 2001	
ANNUAL TOTAL	48424.7		35249.8			
ANNUAL MEAN	132		96.6		157	
HIGHEST ANNUAL MEAN					336	
LOWEST ANNUAL MEAN					51.0	
HIGHEST DAILY MEAN	2770	Mar 17	4430	Mar 30	10800*	Sep 7 1996
LOWEST DAILY MEAN	2.5	Oct 23	2.0	Sep 20	.02	Aug 13 1977
ANNUAL SEVEN-DAY MINIMUM	3.2	Oct 17	2.6	Sep 18	.07	Aug 8 1977
MAXIMUM PEAK FLOW			5760		19900*	
MAXIMUM PEAK STAGE			12.25		24.06	
INSTANTANEOUS LOW FLOW			1.7		.00	
ANNUAL RUNOFF (CFSM)	.79		.58		.94	
ANNUAL RUNOFF (INCHES)	10.79		7.85		12.74	
10 PERCENT EXCEEDS	314		152		325	
50 PERCENT EXCEEDS	46		21		44	
90 PERCENT EXCEEDS	6.7		4.3		3.6	

e Estimated.

* See REMARKS.

02081500 TAR RIVER NEAR TAR RIVER, NC--Continued

