

PAMLICO RIVER BASIN

02084472 PAMLICO RIVER AT WASHINGTON, NC

LOCATION.--Lat 35°32'33", long 77°03'43", Beaufort County, Hydrologic Unit 03020104, at bridge on US Highway 17 at Washington, and 0.7 mi downstream of Kennedy Creek.

DRAINAGE AREA.--3,200 mi², approximately.

PERIOD OF RECORD.--October 1999 to current year. Daily mean elevations published March 1988 to May 1993.

REVISED RECORDS.--WDR NC-00-1B: Drainage area.

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is sea level. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. This site is strongly affected by both astronomical and wind tides. The astronomical tides occur at primary harmonic periods of 12.42 hours and 24.8 hours. The published 24.0 hour mean daily discharge data for this site may be affected by aliasing due to tides and can contain fluctuations that are not representative of net downstream discharge.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 83,000 ft³/s, Sept. 21, 1999, maximum gage height, 8.14 ft, Sept. 16, 1999; minimum discharge, -90,800 ft³/s, Sept. 4, 1999.

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	8260	-638	1920	1040	985	1910	e6540	2500	2190	e2010	e7710	e530
2	e6000	-992	1260	1610	1950	3020	e6150	1850	1780	e1600	e6510	153
3	5460	-501	1310	190	678	2430	8470	1640	1950	1130	4620	612
4	2890	-503	29	823	2000	2770	8640	1630	2490	581	2750	e500
5	2640	-722	781	1940	1710	3120	10400	1210	2490	e1780	1880	-781
6	2500	e-160	1270	469	1840	5570	e12600	-464	4560	-109	1320	766
7	1160	104	909	1100	1860	1360	11700	2030	2180	1670	1010	-168
8	1590	-266	1250	1260	e2500	4370	13200	488	2920	1590	e260	130
9	1530	123	1120	1590	1450	3840	11900	766	3130	344	e-50	719
10	1220	1180	1230	1490	592	3600	7790	1210	3770	1370	e720	146
11	e2030	-268	568	835	1610	3760	8490	1080	3940	1300	e630	45
12	e880	-824	1350	1180	2300	2140	4360	1060	3140	-776	1900	e-400
13	137	e200	808	462	1390	e1800	2750	-742	1720	1760	2460	257
14	425	555	1980	617	1420	1140	2610	-63	1750	e420	e2700	723
15	-126	-279	671	565	1230	3200	3200	1140	4430	1060	3150	-949
16	206	170	835	835	e1720	1750	255	e-210	4680	801	3360	-637
17	20	563	3400	455	1150	e2000	3330	1080	8250	797	3190	e-35
18	-429	-329	477	1520	2040	2350	1350	996	10500	471	3040	-149
19	e-650	-497	2760	e1000	2850	2500	1470	-870	12200	e620	e3000	533
20	-127	1020	2180	e2770	4280	-546	1870	2340	13100	e1530	3760	961
21	-519	1750	3570	e1440	e4080	8150	e2490	e1410	12700	e680	3360	-337
22	-57	315	4680	1060	5880	4810	1820	580	12500	383	2260	-184
23	501	760	1710	1960	3660	5790	1400	e1270	e1120	712	3130	4.0
24	-533	727	3070	1450	4540	4360	e1180	-88	e7250	e200	2130	982
25	e360	-585	2280	2650	4710	e6000	730	1880	2770	-15	e1530	167
26	-20	2920	1960	915	e2100	e10000	900	1010	3030	e-160	e1110	-101
27	-423	1300	1580	1870	3130	e9000	e2320	e500	2110	140	1840	e35
28	-284	1660	1930	1480	2860	8590	1580	1170	2130	e3050	976	e110
29	-290	1570	557	1360	---	8250	e3020	735	1550	e5120	192	167
30	-593	2800	2250	2150	---	8720	2640	268	2060	4930	966	-531
31	1.9	---	1500	e1480	---	e5950	---	3170	---	6180	789	---
TOTAL	33759.9	11153	51195	39566	66515	131704	145155	30576	138390	41169	72203	3268.0
MEAN	1089	372	1651	1276	2376	4249	4838	986	4613	1328	2329	109
MAX	8260	2920	4680	2770	5880	10000	13200	3170	13100	6180	7710	982
MIN	-650	-992	29	190	592	-546	255	-870	1120	-776	-50	-949

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

	2000	2001	2000	2001	2000	2001	2000	2001	2000	2001	2000	2001
MEAN	7473	1490	1938	2599	4544	3650	3936	1347	2993	1657	3586	2373
MAX	13860	2608	2225	3921	6639	4249	4838	1707	4613	1985	4843	4638
(WY)	2000	2000	2000	2000	2000	2001	2001	2000	2001	2000	2000	2000
MIN	1089	372	1651	1276	2376	3051	3034	986	1374	1328	2329	109
(WY)	2001	2001	2001	2001	2001	2000	2000	2001	2000	2001	2001	2001

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 2000 - 2001

ANNUAL TOTAL	1040742.9	764653.9		
ANNUAL MEAN	2844	2095		3127
HIGHEST ANNUAL MEAN				4157
LOWEST ANNUAL MEAN				2095
HIGHEST DAILY MEAN	11000	Aug 3	13200	Apr 8
LOWEST DAILY MEAN	-992	Nov 2	-992	Nov 2
ANNUAL SEVEN-DAY MINIMUM	-564	Oct 30	-564	Oct 30
MAXIMUM PEAK FLOW			23500	Mar 21
MAXIMUM PEAK STAGE			4.63	Mar 21
INSTANTANEOUS LOW FLOW			-31100	Mar 21
10 PERCENT EXCEEDS	6910		5010	7430
50 PERCENT EXCEEDS	2100		1450	2000
90 PERCENT EXCEEDS	160		-153	200

e Estimated.

Note. -- Negative values indicate reverse flow.

02084472 PAMLICO RIVER AT WASHINGTON, NC--Continued

