

PEE DEE RIVER BASIN

02134480 BIG SWAMP NEAR TARHEEL, NC

LOCATION.--Lat 34°42'37", long 78°50'14", Robeson County, Hydrologic Unit 03040203, on left bank at downstream side of bridge on Secondary Road 1004, and 2.8 mi southwest of Tarheel.

DRAINAGE AREA.--229 mi².

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1949-54, 1957-58, 1962-68. October 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 105 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor. No flow, also occurred Sept. 1-4, 1993, June 13, July 3-27, Aug. 7-28, 2002.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e35	2.9	63	23	204	50	284	3.2	5.5	0.74	1.3	145
2	e29	2.7	45	22	176	54	485	2.8	3.4	0.14	2.1	165
3	e24	2.5	37	28	140	93	631	2.3	2.3	0.00	1.4	163
4	e18	2.9	32	34	103	128	608	7.8	1.1	0.00	0.67	131
5	e14	3.3	29	42	80	154	516	14	0.45	0.00	0.35	86
6	e10	5.0	27	84	68	177	430	20	0.01	0.00	0.06	59
7	7.6	5.5	26	156	124	192	365	18	1.0	0.00	0.00	41
8	6.1	6.3	25	185	180	188	316	15	1.8	0.00	0.00	27
9	5.5	7.5	24	204	216	160	272	12	1.2	0.00	0.00	20
10	7.2	8.6	24	224	258	133	230	8.6	0.60	0.00	0.00	16
11	7.1	11	28	237	307	124	195	10	0.02	0.00	0.00	12
12	6.1	12	31	222	320	93	167	8.2	0.00	0.00	0.00	8.9
13	5.2	15	33	206	301	90	148	5.4	0.00	0.00	0.00	10
14	4.2	18	36	188	266	100	139	6.1	0.04	0.00	0.00	15
15	5.5	19	36	179	229	112	141	7.3	3.7	0.00	0.00	18
16	6.1	20	33	171	201	115	131	9.2	4.5	0.00	0.00	21
17	6.8	24	29	156	172	121	107	9.0	4.2	0.00	0.00	22
18	6.7	29	29	129	140	127	81	9.6	3.5	0.00	0.00	25
19	6.7	32	30	102	115	129	61	14	2.9	0.00	0.00	25
20	6.7	32	30	98	102	126	43	20	2.0	0.00	0.00	21
21	6.3	38	30	104	98	130	28	24	1.1	0.00	0.00	17
22	5.1	42	30	121	90	135	18	25	0.56	0.00	0.00	12
23	4.0	46	28	152	81	141	12	23	1.0	0.00	0.00	8.5
24	3.2	61	27	209	74	146	7.4	19	3.7	0.00	0.00	5.9
25	2.3	66	26	255	68	143	7.6	14	3.8	0.00	0.00	4.9
26	1.9	92	25	305	63	130	10	9.8	3.3	0.00	0.00	5.7
27	3.7	119	24	342	58	118	12	8.5	3.0	0.00	0.00	6.9
28	4.4	137	24	345	51	98	11	8.5	2.7	0.10	0.00	8.7
29	4.0	142	25	319	---	83	9.7	7.6	2.4	0.28	53	6.2
30	3.5	107	24	278	---	75	6.7	6.3	1.6	0.38	85	4.3
31	3.2	---	23	237	---	99	---	6.8	---	0.51	117	---
TOTAL	259.1	1109.2	933	5357	4285	3764	5472.4	355.0	61.38	2.15	260.88	1111.0
MEAN	8.358	36.97	30.10	172.8	153.0	121.4	182.4	11.45	2.046	0.069	8.415	37.03
MAX	35	142	63	345	320	192	631	25	5.5	0.74	117	165
MIN	1.9	2.5	23	22	51	50	6.7	2.3	0.00	0.00	0.00	4.3
CFSM	0.04	0.16	0.13	0.75	0.67	0.53	0.80	0.05	0.01	0.00	0.04	0.16
IN.	0.04	0.18	0.15	0.87	0.70	0.61	0.89	0.06	0.01	0.00	0.04	0.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2002, BY WATER YEAR (WY)

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	187.5	158.0	216.6	417.1	393.8	409.3	253.3	114.4	93.42	84.98	115.2	204.4					
MAX	1094	382	396	1001	1418	1194	571	362	474	407	358	923					
(WY)	2000	1993	1990	1993	1998	1998	1993	1999	1995	1995	1991	1999					
MIN	3.43	15.3	30.1	92.9	127	121	66.8	11.5	2.05	0.069	8.42	6.98					
(WY)	1999	1999	2002	1986	1986	2002	1986	2002	2002	2002	2002	1997					

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1986 - 2002

ANNUAL TOTAL	38370.2	22970.11	
ANNUAL MEAN	105.1	62.93	219.8
HIGHEST ANNUAL MEAN			395 1998
LOWEST ANNUAL MEAN			62.9 2002
HIGHEST DAILY MEAN	456 Jun 21	631 Apr 3	3900 Feb 6 1998
LOWEST DAILY MEAN	1.9 Oct 26	0.00 Jun 12	0.00 Aug 31 1993
ANNUAL SEVEN-DAY MINIMUM	3.0 Oct 30	0.00 Jul 3	0.00 Jul 3 2002
MAXIMUM PEAK FLOW		657 Apr 3	3980 Mar 11 1998
MAXIMUM PEAK STAGE		11.23 Apr 3	14.34 Sep 17 1999
INSTANTANEOUS LOW FLOW		0.00* Jun 12	0.00* Aug 31 1993
ANNUAL RUNOFF (CFSM)	0.46	0.27	0.96
ANNUAL RUNOFF (INCHES)	6.23	3.73	13.04
10 PERCENT EXCEEDS	283	186	493
50 PERCENT EXCEEDS	49	19	129
90 PERCENT EXCEEDS	8.2	0.00	10

e Estimated.
* See REMARKS.

02134480 BIG SWAMP NEAR TARHEEL, NC--Continued

