

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 sea level, from topographic map. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Maximum discharge, 602 ft³/s, stage falling, peak occurred Sept. 28, 2000; maximum peak discharge, 464 ft³/s, June 22, gage height 10.76 ft. Minimum discharge for period of record, no flow, also occurred Sept. 1-4, 1993.

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	546	35	291	197	129	251	402	39	82	116	20	81
2	444	34	271	193	128	229	415	34	94	102	18	69
3	358	34	250	181	125	212	405	29	107	96	19	53
4	318	34	229	169	123	219	386	24	119	99	16	49
5	285	36	213	158	129	236	349	21	125	115	16	53
6	255	41	203	151	135	256	317	18	113	130	18	49
7	224	47	198	148	142	277	287	15	68	141	17	40
8	198	50	195	148	149	294	262	13	44	156	19	35
9	175	52	191	150	150	288	242	11	40	164	19	35
10	152	52	189	151	145	269	221	9.7	36	148	19	38
11	128	49	186	152	137	246	202	14	30	122	19	36
12	107	45	186	155	134	221	183	8.9	24	124	19	30
13	90	43	188	155	146	203	163	8.8	22	101	19	27
14	81	47	197	154	158	188	140	8.6	38	89	22	e26
15	72	66	197	157	173	195	118	6.9	75	103	29	e22
16	64	86	192	161	187	223	102	7.0	123	95	29	e21
17	58	97	194	163	209	252	91	10	264	71	26	e21
18	53	99	190	161	230	284	81	18	366	52	26	e22
19	50	101	187	155	243	317	73	24	408	38	43	e21
20	48	121	191	153	262	331	66	25	441	29	63	e22
21	46	137	199	155	283	390	60	23	456	23	112	e22
22	45	154	202	164	299	411	53	18	449	18	124	22
23	46	168	195	173	300	420	47	15	429	15	130	25
24	44	175	187	177	288	436	43	14	417	19	136	30
25	42	174	180	176	281	435	39	13	371	22	128	51
26	40	202	173	170	283	416	40	12	307	21	98	56
27	40	216	167	161	277	384	52	12	252	19	67	59
28	41	236	168	151	266	342	61	15	200	20	49	52
29	40	267	173	141	---	328	55	32	159	20	40	47
30	38	296	184	133	---	336	47	69	133	22	40	43
31	36	---	194	131	---	364	---	83	---	22	47	---
TOTAL	4164	3194	6160	4944	5511	9253	5002	650.9	5792	2312	1447	1157
MEAN	134	106	199	159	197	298	167	21.0	193	74.6	46.7	38.6
MAX	546	296	291	197	300	436	415	83	456	164	136	81
MIN	36	34	167	131	123	188	39	6.9	22	15	16	21
CFSM	.59	.46	.87	.70	.86	1.30	.73	.09	.84	.33	.20	.17
IN.	.68	.52	1.00	.80	.90	1.50	.81	.11	.94	.38	.24	.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2001, BY WATER YEAR (WY)

	1999	2000	1999	1998	1998	1988	1986	1986	1986	1986	1986	1987	1997
MEAN	199	166	228	432	409	427	258	121	99.1	90.3	122	215	
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	64.7	92.9	127	138	66.8	17.1	15.0	8.31	17.6	6.98	
(WY)	1999	1999	1999	1986	1986	1988	1986	1986	1986	1998	1987	1997	

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1986 - 2001

ANNUAL TOTAL	77199.1	49586.9		
ANNUAL MEAN	211	136	230	
HIGHEST ANNUAL MEAN			395	1998
LOWEST ANNUAL MEAN			101	1986
HIGHEST DAILY MEAN	1480	Jan 27	546	Oct 1
LOWEST DAILY MEAN	4.4	Jul 22	6.9	May 15
ANNUAL SEVEN-DAY MINIMUM	8.8	Jul 19	9.1	May 10
MAXIMUM PEAK FLOW			464*	Jun 22
MAXIMUM PEAK STAGE			10.76*	Jun 22
INSTANTANEOUS LOW FLOW			6.4	May 16
ANNUAL RUNOFF (CFSM)	.92		.59	
ANNUAL RUNOFF (INCHES)	12.54		8.06	
10 PERCENT EXCEEDS	461		292	
50 PERCENT EXCEEDS	170		122	
90 PERCENT EXCEEDS	19		20	

e Estimated.
* See REMARKS.

02134480 BIG SWAMP NEAR TARHEEL, NC--Continued

