

02134480 BIG SWAMP NEAR TARHEEL, NC

LOCATION.--Lat 34°42'38", long 78°50'13", 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 12-13, July 3-27, Aug. 7-28, 2002. Minimum discharge for current water year also occurred Oct. 4.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	51	82	258	130	346	401	218	903	58	331	222
2	3.4	50	74	267	135	394	407	207	862	195	433	201
3	2.1	45	69	281	139	417	425	192	777	398	566	178
4	1.7	41	65	301	142	424	413	191	683	581	623	156
5	1.8	40	76	304	142	415	385	184	598	690	849	164
6	1.8	45	90	292	142	451	355	179	523	649	1,280	160
7	2.2	51	102	276	170	518	342	188	462	556	1,260	164
8	2.6	53	111	261	187	639	348	197	439	462	1,170	186
9	3.2	54	117	249	200	639	388	203	410	389	1,100	224
10	3.6	52	123	234	224	578	534	208	389	338	935	251
11	25	51	133	217	254	528	950	210	375	310	764	251
12	57	69	140	202	263	488	1,180	205	372	277	641	239
13	62	127	155	187	269	451	1,130	191	359	262	568	228
14	71	166	182	173	268	431	1,030	169	330	369	553	219
15	76	215	196	160	259	406	907	140	294	414	528	209
16	85	276	211	149	252	406	782	115	261	484	490	195
17	96	317	225	142	268	410	662	101	242	636	482	175
18	97	333	230	135	278	456	566	83	239	786	420	176
19	87	339	227	127	303	489	493	76	219	822	374	248
20	76	336	227	121	326	554	437	76	220	765	347	268
21	66	320	224	119	330	737	393	74	321	752	329	314
22	59	298	219	125	330	988	356	73	396	718	313	433
23	52	272	217	126	335	940	329	141	360	621	304	541
24	45	247	219	124	324	787	305	209	311	542	321	558
25	40	218	231	123	317	683	288	257	267	457	338	511
26	36	191	233	123	310	613	282	312	228	395	333	457
27	31	161	233	120	316	558	277	338	192	355	318	411
28	27	130	239	115	332	503	265	339	149	334	302	374
29	30	107	245	112	---	465	249	416	107	307	285	343
30	38	93	245	117	---	446	232	695	74	319	268	314
31	45	---	240	125	---	420	---	830	---	310	246	---
TOTAL	1,227.4	4,748	5,380	5,665	6,945	16,580	15,111	7,017	11,362	14,551	17,071	8,370
MEAN	39.6	158	174	183	248	535	504	226	379	469	551	279
MAX	97	339	245	304	335	988	1,180	830	903	822	1,280	558
MIN	1.7	40	65	112	130	346	232	73	74	58	246	156
CFSM	0.17	0.69	0.76	0.80	1.08	2.34	2.20	0.99	1.65	2.05	2.40	1.22
IN.	0.20	0.77	0.87	0.92	1.13	2.69	2.45	1.14	1.85	2.36	2.77	1.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2003, BY WATER YEAR (WY)

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
MEAN	179	158	214	404	386	416	267	121	109	106	139	209		
MAX	1,094	382	396	1,001	1,418	1,194	571	362	474	469	551	923		
(WY)	(2000)	(1993)	(1990)	(1993)	(1998)	(1998)	(1993)	(1999)	(1995)	(2003)	(2003)	(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 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1986 - 2003

ANNUAL TOTAL	32,024.21	114,027.4	
ANNUAL MEAN	87.7	312	225
HIGHEST ANNUAL MEAN			395
LOWEST ANNUAL MEAN			62.9
HIGHEST DAILY MEAN	631	Apr 3	1,280
LOWEST DAILY MEAN	0.00	Jun 12	1.7
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 3	2.2
MAXIMUM PEAK FLOW			1,350
MAXIMUM PEAK STAGE			12.31
INSTANTANEOUS LOW FLOW			1.5*
ANNUAL RUNOFF (CFSM)	0.38	1.36	0.98
ANNUAL RUNOFF (INCHES)	5.20	18.52	13.35
10 PERCENT EXCEEDS	233	628	500
50 PERCENT EXCEEDS	45	263	136
90 PERCENT EXCEEDS	0.00	66	11

* See REMARKS.

02134480 BIG SWAMP NEAR TARHEEL, NC—Continued

