

02134480 BIG SWAMP NEAR TARHEEL, NC

LOCATION.--Lat 34°42'38", long 78°50'11", 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.

REVISED RECORDS.--The maximum discharge for the water year 1998 has been revised to 2,560 ft³/s, Mar. 11, 1998, gage height 13.34 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	289	773	222	235	171	1,050	161	163	47	76	78	244
2	266	870	210	224	175	1,060	156	175	47	78	114	420
3	246	793	198	215	183	1,020	152	280	40	89	140	661
4	228	667	195	208	186	928	151	393	34	90	128	827
5	213	574	206	201	183	814	146	538	37	80	112	887
6	198	479	209	192	185	701	142	565	35	70	109	788
7	183	402	207	181	191	600	139	484	37	57	97	645
8	174	336	210	173	192	497	132	402	36	41	88	583
9	174	289	220	172	192	431	125	343	42	30	75	525
10	168	277	239	172	193	391	117	289	41	23	62	466
11	165	257	286	e178	190	356	170	248	52	20	43	767
12	164	240	306	174	197	332	216	212	59	24	37	1,520
13	171	210	367	172	212	299	334	190	69	21	66	1,580
14	188	201	519	170	228	279	572	164	78	17	82	1,370
15	209	190	609	172	289	266	747	135	78	14	121	1,090
16	215	182	641	167	355	256	746	112	75	14	171	816
17	214	175	668	164	427	249	668	94	77	13	191	682
18	220	167	657	165	507	248	e573	80	85	16	216	643
19	217	165	611	159	537	249	485	68	87	19	252	545
20	213	182	542	151	539	241	412	67	86	20	282	512
21	211	192	486	146	514	237	392	61	70	19	290	541
22	205	201	440	144	421	225	349	56	47	18	287	585
23	195	246	397	142	366	216	297	62	33	19	263	557
24	189	326	374	139	328	207	258	126	33	19	228	495
25	180	340	333	136	292	200	225	105	39	19	197	431
26	167	320	307	136	297	194	202	88	64	19	175	385
27	150	293	290	139	436	189	190	73	82	18	159	345
28	145	279	284	144	759	182	174	59	104	16	141	339
29	239	256	272	152	1,050	174	161	49	101	18	117	303
30	345	240	269	161	---	166	157	44	83	27	161	270
31	607	---	250	165	---	164	---	43	---	45	187	---
TOTAL	6,748	10,122	11,024	5,249	9,795	12,421	8,749	5,768	1,798	1,049	4,669	19,822
MEAN	218	337	356	169	338	401	292	186	59.9	33.8	151	661
MAX	607	870	668	235	1,050	1,060	747	565	104	90	290	1,580
MIN	145	165	195	136	171	164	117	43	33	13	37	244
CFSM	0.95	1.47	1.55	0.74	1.47	1.75	1.27	0.81	0.26	0.15	0.66	2.89
IN.	1.10	1.64	1.79	0.85	1.59	2.02	1.42	0.94	0.29	0.17	0.76	3.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2004, BY WATER YEAR (WY)

MEAN	181	167	222	392	383	415	269	124	107	103	140	232
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	0.07	8.42	6.98
(WY)	(1999)	(1999)	(2002)	(1986)	(1986)	(2002)	(1986)	(2002)	(2002)	(2002)	(2002)	(1997)

02134480 BIG SWAMP NEAR TARHEEL, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1986 - 2004	
ANNUAL TOTAL	130,566		97,214		227	
ANNUAL MEAN	358		266		395	
HIGHEST ANNUAL MEAN					62.9	1998
LOWEST ANNUAL MEAN					0.00	2002
HIGHEST DAILY MEAN	1,280	Aug 6	1,580	Sep 13	3,900	Feb 6, 1998
LOWEST DAILY MEAN	58	Jul 1	13	Jul 17	0.00	Aug 31, 1993
ANNUAL SEVEN-DAY MINIMUM	85	May 16	16	Jul 14	0.00	Jul 3, 2002
MAXIMUM PEAK FLOW			1,650	Sep 12	3,510	Sep 17, 1999
MAXIMUM PEAK STAGE			12.26	Sep 12	14.34	Sep 17, 1999
INSTANTANEOUS LOW FLOW			11	Jul 17	0.00*	Aug 31, 1993
ANNUAL RUNOFF (CFSM)	1.56		1.16		0.992	
ANNUAL RUNOFF (INCHES)	21.21		15.79		13.48	
10 PERCENT EXCEEDS	659		584		507	
50 PERCENT EXCEEDS	302		194		142	
90 PERCENT EXCEEDS	150		43		12	

* See REMARKS.

e Estimated.

