

Water-Data Report 2008

02134480 BIG SWAMP NEAR TARHEEL, NC

Lower Pee Dee Basin
Lumber Subbasin

LOCATION.--Lat 34°42'37", long 78°50'11" referenced to North American Datum of 1983, Robeson County, NC, Hydrologic Unit 03040203, on left bank downstream of bridge on Secondary Road 1004, and 2.8 mi southwest of Tarheel.

DRAINAGE AREA.--229 mi².

SURFACE-WATER RECORDS

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

REVISED RECORDS.--WDR-US-2007: 1998 (maximum discharge, maximum gage height)

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

REMARKS.--No estimated daily discharges. Records fair. No flow occurs at times most years.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	46	48	141	121	331	159	230	31	11	133	356
2	0.00	48	49	146	120	307	167	314	33	9.8	110	307
3	0.00	43	49	151	117	286	178	377	32	7.9	96	268
4	0.00	33	47	151	116	269	199	393	27	8.0	79	226
5	0.00	25	48	143	115	277	296	367	22	9.9	65	187
6	0.00	20	47	130	116	276	719	330	20	16	51	260
7	0.00	17	47	117	116	291	1,400	295	15	18	38	406
8	0.00	15	48	104	110	343	1,500	260	13	18	62	1,040
9	0.00	14	47	94	105	392	1,440	225	11	29	65	1,240
10	0.00	13	48	88	100	425	1,290	192	9.0	39	62	1,300
11	0.00	12	48	85	95	414	1,030	173	7.4	53	59	1,310
12	0.00	13	48	82	90	386	819	158	6.9	63	48	1,150
13	0.00	14	47	81	98	360	653	139	10	69	46	927
14	0.00	15	47	80	102	341	520	124	12	74	68	805
15	0.00	19	49	78	103	323	423	114	16	76	73	725
16	0.00	25	58	76	105	314	363	107	19	73	86	622
17	0.00	27	59	82	108	297	324	98	19	63	98	513
18	0.00	28	64	86	236	280	295	90	18	53	128	409
19	0.00	31	71	96	362	266	270	84	15	49	173	347
20	0.00	33	77	119	539	259	244	78	14	40	193	311
21	0.00	34	88	124	495	249	219	72	17	32	182	286
22	0.00	35	85	133	470	242	200	68	21	24	150	263
23	0.00	37	83	147	509	236	185	68	25	25	116	238
24	0.00	35	82	154	576	227	172	67	29	51	91	213
25	0.00	40	84	153	559	217	161	62	27	67	73	195
26	0.01	41	105	150	491	202	151	56	23	78	74	204
27	2.0	41	107	148	443	188	145	49	19	87	108	202
28	2.7	44	110	144	396	173	153	41	16	99	160	202
29	22	47	117	136	358	157	164	39	13	112	278	212
30	34	48	130	129	---	145	184	37	13	121	428	240
31	42	---	140	121	---	145	---	34	---	132	417	---
Total	102.71	893	2,177	3,669	7,271	8,618	14,023	4,741	553.3	1,607.6	3,810	14,964
Mean	3.31	29.8	70.2	118	251	278	467	153	18.4	51.9	123	499
Max	42	48	140	154	576	425	1,500	393	33	132	428	1,310
Min	0.00	12	47	76	90	145	145	34	6.9	7.9	38	187
Cfsm	0.01	0.13	0.31	0.52	1.09	1.21	2.04	0.67	0.08	0.23	0.54	2.18
In.	0.02	0.15	0.35	0.60	1.18	1.40	2.28	0.77	0.09	0.26	0.62	2.43

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	161	173	224	359	342	366	265	119	101	94.8	126	221
Max	1,094	598	447	1,001	985	856	571	362	474	469	551	923
(WY)	(2000)	(2007)	(2007)	(1993)	(1998)	(1987)	(1993)	(1999)	(1995)	(2003)	(2003)	(1999)
Min	3.31	15.3	30.1	92.9	127	121	66.6	11.5	2.05	0.07	0.00	0.00
(WY)	(2008)	(1999)	(2002)	(1986)	(1986)	(2002)	(2006)	(2002)	(2002)	(2002)	(2007)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1986 - 2008	
Annual total	40,954.21		62,429.61			
Annual mean	112		171		212	
Highest annual mean					343	1995
Lowest annual mean					62.9	2002
Highest daily mean	751	Feb 4	1,500	Apr 8	3,300	Sep 17, 1999
Lowest daily mean	0.00	Jul 26	0.00	Oct 1	0.00	Aug 31, 1993
Annual seven-day minimum	0.00	Jul 26	0.00	Oct 1	0.00	Jul 3, 2002
Maximum peak flow			1,750	Apr 8	3,570	Sep 17, 1999
Maximum peak stage			12.43	Apr 8	14.34	Sep 17, 1999
Instantaneous low flow			^a 0.00	Oct 23	^a 0.00	Aug 31, 1993
Annual runoff (cfsm)	0.490		0.745		0.925	
Annual runoff (inches)	6.65		10.14		12.57	
10 percent exceeds	354		392		473	
50 percent exceeds	41		92		134	
90 percent exceeds	0.00		11		12	

^aSee Remarks.