

Water-Data Report 2007

02133624 LUMBER RIVER NEAR MAXTON, NC

Lower Pee Dee Basin
Lumber Subbasin

LOCATION.--Lat 34°46'22", long 79°19'55" referenced to North American Datum of 1983, Robeson County, NC, Hydrologic Unit 03040203, downstream of bridge on North Carolina Highway 71, 2.6 mi north of Maxton, and 7.5 mi upstream from Gum Swamp.

DRAINAGE AREA.--365 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Occasional discharge measurements, water years 1974, 1980-85. June 1987 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 180 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records poor. Minimum discharge for period of record also occurred on August 14, 2002. Minimum discharge for current water year also occurred August 22.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	207	643	987	1,110	508	578	419	321	139	148	104	136
2	251	661	907	916	598	727	418	307	137	149	111	143
3	262	527	826	794	689	847	415	288	169	177	116	127
4	222	399	786	728	769	1,020	432	275	203	171	103	115
5	204	355	763	710	793	1,080	548	268	260	139	95	105
6	199	329	794	790	812	1,170	525	266	296	124	87	97
7	200	365	820	811	795	1,130	440	266	305	121	83	92
8	223	525	785	900	739	994	380	269	236	115	82	87
9	230	673	709	982	642	847	348	271	185	112	79	83
10	254	836	624	1,080	541	702	332	268	180	122	77	79
11	287	940	561	1,170	465	584	336	298	191	125	75	76
12	293	1,050	511	1,190	429	520	402	334	173	123	72	74
13	274	1,120	470	1,100	425	477	496	361	164	139	70	73
14	257	1,100	447	996	471	448	613	355	165	174	67	75
15	243	1,060	436	883	531	433	779	348	182	173	67	89
16	232	1,030	427	761	693	519	1,040	369	185	144	66	120
17	228	991	416	657	821	732	1,200	401	182	134	64	156
18	252	985	409	613	897	1,020	1,190	384	172	144	64	172
19	331	1,010	392	617	929	1,190	1,160	317	170	187	64	150
20	437	1,030	381	630	865	1,310	1,210	269	172	208	62	124
21	511	1,090	370	641	729	1,330	1,180	234	177	182	58	116
22	565	1,270	376	708	581	1,200	1,030	212	179	149	58	115
23	537	1,370	423	749	493	991	831	201	156	125	59	117
24	405	1,590	521	793	453	796	656	191	141	113	66	117
25	354	1,850	755	796	435	654	529	193	129	107	97	115
26	329	2,150	970	809	438	567	454	186	123	101	141	108
27	313	2,030	1,230	821	450	514	409	174	131	102	135	100
28	356	1,650	1,450	787	504	471	379	162	138	103	120	94
29	429	1,320	1,540	689	---	442	356	153	142	110	136	89
30	523	1,100	1,460	576	---	425	337	150	147	108	131	86
31	591	---	1,320	512	---	422	---	145	---	107	118	---
Total	9,999	31,049	22,866	25,319	17,495	24,140	18,844	8,236	5,329	4,236	2,727	3,230
Mean	323	1,035	738	817	625	779	628	266	178	137	88.0	108
Max	591	2,150	1,540	1,190	929	1,330	1,210	401	305	208	141	172
Min	199	329	370	512	425	422	332	145	123	101	58	73
Cfsm	0.88	2.84	2.02	2.24	1.71	2.13	1.72	0.73	0.49	0.37	0.24	0.29
In.	1.02	3.16	2.33	2.58	1.78	2.46	1.92	0.84	0.54	0.43	0.28	0.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	402	460	515	622	633	685	575	382	333	294	317	378
Max	827	1,035	905	926	1,205	1,267	1,144	932	1,022	710	1,356	1,158
(WY)	(2000)	(2007)	(2006)	(1998)	(1998)	(1998)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
Min	184	166	220	364	300	337	232	135	67.6	63.2	51.5	108
(WY)	(1988)	(2002)	(2002)	(1992)	(1992)	(2006)	(2006)	(2002)	(2002)	(2002)	(2002)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1987 - 2007	
Annual total	170,977		173,470			
Annual mean	468		475		466	
Highest annual mean					875	2003
Lowest annual mean					243	2002
Highest daily mean	2,150	Nov 26	2,150	Nov 26	3,070	Mar 22, 1998
Lowest daily mean	125	Jul 20	58	Aug 21	28	Aug 13, 2002
Annual seven-day minimum	141	Aug 17	61	Aug 17	32	Aug 10, 2002
Maximum peak flow			2,200	Nov 26	3,380	Mar 22, 1998
Maximum peak stage			12.19	Nov 26	13.52	Mar 22, 1998
Instantaneous low flow			^a 56	Aug 21	^a 27	Aug 13, 2002
Annual runoff (cfsm)	1.28		1.30		1.28	
Annual runoff (inches)	17.43		17.68		17.36	
10 percent exceeds	960		1,040		876	
50 percent exceeds	335		370		405	
90 percent exceeds	174		102		152	

^a See Remarks.

