

Water-Data Report 2008

02134170 LUMBER RIVER AT LUMBERTON, NC

Lower Pee Dee Basin
Lumber Subbasin

LOCATION.--Lat 34°37'13", long 79°00'40" referenced to North American Datum of 1983, Robeson County, NC, Hydrologic Unit 03040203, on right bank upstream of bridge on Fifth Street in Lumberton and 1.0 mi below Saddletree Swamp.

DRAINAGE AREA.--708 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 2000 to current year. Occasional discharge measurements water years 1954, 1959, 1967.

REVISED RECORDS.--WDR NC-04-1: 2003 (water year maximum discharge)

GAGE.--Water-stage recorder. Datum of gage is 97.49 ft above North American Vertical Datum of 1988. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Minimum discharge for period of record also occurred August 14, 2002. Minimum discharge for current water year also occurred on October 23.

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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	112	444	222	740	601	1,050	663	915	251	131	554	700
2	110	504	234	796	584	987	642	1,000	272	116	361	770
3	112	605	228	829	571	918	637	962	265	106	408	853
4	112	726	223	857	574	871	641	891	245	99	330	928
5	108	734	220	891	578	985	1,060	836	225	103	295	927
6	106	655	213	907	595	1,060	2,490	794	211	107	260	1,560
7	114	512	217	900	631	1,040	2,890	746	194	137	237	2,560
8	109	365	220	897	643	1,200	2,780	700	177	162	436	3,180
9	108	293	216	878	656	1,310	2,700	642	161	208	365	3,470
10	110	263	218	829	642	1,330	2,400	574	147	288	324	3,860
11	109	241	210	766	594	1,290	2,060	542	143	523	314	4,270
12	112	231	210	680	520	1,230	1,790	525	154	650	237	4,210
13	112	219	213	604	538	1,210	1,600	488	127	739	275	3,650
14	107	211	209	564	537	1,200	1,440	463	128	821	494	2,980
15	108	212	216	536	516	1,190	1,310	441	125	835	483	2,410
16	103	207	302	518	507	1,220	1,170	426	125	743	701	2,040
17	103	210	309	538	512	1,210	1,030	409	134	678	758	1,910
18	101	206	349	551	992	1,150	912	386	136	641	771	1,800
19	100	208	383	592	1,280	1,080	828	369	147	539	729	1,640
20	102	206	414	710	1,360	1,020	764	356	164	406	686	1,450
21	100	201	462	732	1,410	980	716	357	171	325	644	1,280
22	100	200	506	735	1,520	971	684	338	164	281	573	1,130
23	100	199	540	759	1,610	969	645	319	166	295	511	992
24	102	197	566	787	1,500	966	603	310	176	347	465	887
25	113	198	557	807	1,370	962	574	324	185	365	387	834
26	158	194	582	814	1,270	933	563	330	197	371	466	989
27	201	195	546	807	1,240	878	550	313	212	351	613	1,180
28	249	199	533	772	1,180	815	590	287	199	338	638	1,220
29	308	205	531	713	1,110	755	690	276	173	339	701	1,180
30	345	214	579	670	---	702	784	251	152	337	669	1,110
31	392	---	654	634	---	678	---	243	---	418	666	---
Total	4,326	9,254	11,082	22,813	25,641	32,160	36,206	15,813	5,326	11,799	15,351	55,970
Mean	140	308	357	736	884	1,037	1,207	510	178	381	495	1,866
Max	392	734	654	907	1,610	1,330	2,890	1,000	272	835	771	4,270
Min	100	194	209	518	507	678	550	243	125	99	237	700
Cfsm	0.20	0.44	0.50	1.04	1.25	1.47	1.70	0.72	0.25	0.54	0.70	2.64
In.	0.23	0.49	0.58	1.20	1.35	1.69	1.90	0.83	0.28	0.62	0.81	2.94

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	454	616	812	835	894	1,042	909	515	543	460	503	915
Max	933	1,432	1,328	1,481	1,228	1,905	1,638	1,207	1,292	1,311	1,696	2,915
(WY)	(2004)	(2007)	(2006)	(2007)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
Min	140	222	286	551	681	499	324	179	89.7	79.0	84.7	146
(WY)	(2008)	(2002)	(2002)	(2002)	(2002)	(2002)	(2006)	(2002)	(2002)	(2002)	(2002)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 2000 - 2008	
Annual total	200,988		245,741			
Annual mean	551		671		705	
Highest annual mean					1,153	2003
Lowest annual mean					301	2002
Highest daily mean	2,170	Jan 1	4,270	Sep 11	7,030	Sep 11, 2004
Lowest daily mean	72	Aug 21	99	Jul 4	51	Aug 13, 2002
Annual seven-day minimum	77	Aug 15	101	Oct 18	55	Aug 11, 2002
Maximum peak flow			4,380	Sep 11	7,420	Sep 11, 2004
Maximum peak stage			16.48	Sep 11	18.29	Sep 11, 2004
Instantaneous low flow			^a 97	Oct 22	^a 51	Aug 13, 2002
Annual runoff (cfs)	0.778		0.948		0.996	
Annual runoff (inches)	10.56		12.91		13.53	
10 percent exceeds	1,400		1,270		1,390	
50 percent exceeds	284		541		574	
90 percent exceeds	108		135		172	

^aSee Remarks.