



Water-Data Report 2010

**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 mi<sup>2</sup>.

**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 (annual maximum discharge)

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

REMARKS.--Records good except those for estimated daily discharges, which are fair. Minimum discharge for period of record also occurred August 14, 2002. Minimum discharge for current water year also occurred on September 26.

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	235	202	613	1,090	1,770	1,140	1,060	287	708	630	953	219
2	203	205	616	1,100	1,780	1,110	966	276	1,480	e642	864	192
3	182	205	675	1,100	1,840	1,170	926	262	1,860	e517	754	174
4	161	200	673	1,060	1,800	1,210	912	253	1,680	e458	629	160
5	172	193	717	990	1,750	1,200	895	243	1,550	e405	513	145
6	178	194	751	905	2,200	1,140	881	239	1,440	e336	440	135
7	173	194	755	836	2,550	1,090	850	232	1,330	270	378	122
8	171	188	770	794	2,500	1,040	787	224	1,190	230	323	117
9	166	180	1,170	755	2,400	1,010	692	212	1,060	199	289	114
10	173	194	1,510	709	2,580	988	622	203	929	180	284	106
11	180	543	1,550	676	2,860	997	579	193	787	180	287	104
12	174	851	1,520	653	2,960	1,040	542	186	621	188	266	104
13	e172	960	1,390	634	2,890	1,150	518	176	484	251	231	101
14	e170	953	1,270	611	2,620	1,240	526	166	402	334	202	98
15	e179	916	1,190	590	2,320	1,250	553	161	339	313	181	95
16	e184	886	1,160	575	2,060	1,210	559	157	389	276	168	93
17	e185	873	1,140	664	1,850	1,190	526	273	537	267	174	91
18	185	885	1,100	779	1,680	1,190	463	446	686	298	168	92
19	191	919	1,190	856	1,540	1,200	414	462	712	361	161	91
20	189	939	1,160	890	1,430	1,200	383	428	542	292	169	90
21	182	890	1,080	925	1,340	1,160	362	404	416	236	193	88
22	175	788	997	1,080	1,290	1,110	345	421	336	223	247	87
23	164	783	928	1,230	1,320	1,030	328	475	286	227	318	85
24	161	697	894	1,320	1,310	933	322	785	250	214	373	83
25	153	641	941	1,480	1,300	846	323	933	225	184	426	83
26	150	612	1,220	1,660	1,270	774	321	850	401	194	454	103
27	150	592	1,330	1,800	1,230	731	311	687	658	437	454	361
28	164	588	1,320	1,790	1,190	698	308	563	728	895	435	616
29	179	589	1,230	1,700	---	891	303	517	790	1,150	371	889
30	185	598	1,120	e1,710	---	1,210	298	519	668	1,320	296	1,640
31	193	---	1,080	e1,780	---	1,210	---	547	---	1,100	251	---
<b>Total</b>	5,479	17,458	33,060	32,742	53,630	33,358	16,875	11,780	23,484	12,807	11,252	6,478
<b>Mean</b>	177	582	1,066	1,056	1,915	1,076	562	380	783	413	363	216
<b>Max</b>	235	960	1,550	1,800	2,960	1,250	1,060	933	1,860	1,320	953	1,640
<b>Min</b>	150	180	613	575	1,190	698	298	157	225	180	161	83
<b>Cfsm</b>	0.25	0.82	1.51	1.49	2.71	1.52	0.79	0.54	1.11	0.58	0.51	0.30
<b>In.</b>	0.29	0.92	1.74	1.72	2.82	1.75	0.89	0.62	1.23	0.67	0.59	0.34

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2010, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	439	630	880	859	971	1,068	877	501	541	424	466	783
<b>Max</b>	933	1,432	1,328	1,481	1,915	1,905	1,638	1,207	1,292	1,311	1,696	2,915
<b>(WY)</b>	(2004)	(2007)	(2006)	(2007)	(2010)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
<b>Min</b>	140	222	286	551	647	499	324	179	89.7	79.0	84.7	146
<b>(WY)</b>	(2008)	(2002)	(2002)	(2002)	(2009)	(2002)	(2006)	(2002)	(2002)	(2002)	(2002)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 2000 - 2010	
<b>Annual total</b>	208,808		258,403			
<b>Annual mean</b>	572		708		699	
<b>Highest annual mean</b>					1,153	2003
<b>Lowest annual mean</b>					301	2002
<b>Highest daily mean</b>	1,950	Mar 8	2,960	Feb 12	7,030	Sep 11, 2004
<b>Lowest daily mean</b>	99	Sep 21	83	Sep 24	51	Aug 13, 2002
<b>Annual seven-day minimum</b>	103	Sep 16	87	Sep 19	55	Aug 11, 2002
<b>Maximum peak flow</b>			2,980	Feb 12	7,420	Sep 11, 2004
<b>Maximum peak stage</b>			15.00	Feb 12	18.29	Sep 11, 2004
<b>Instantaneous low flow</b>			<sup>a</sup> 81	Sep 25	<sup>a</sup> 51	Aug 13, 2002
<b>Annual runoff (cfsm)</b>	0.808		1.000		0.987	
<b>Annual runoff (inches)</b>	10.97		13.58		13.41	
<b>10 percent exceeds</b>	1,140		1,410		1,360	
<b>50 percent exceeds</b>	516		589		573	
<b>90 percent exceeds</b>	148		168		169	

<sup>a</sup> See Remarks.

