

Water-Data Report 2013

**02134500 LUMBER RIVER AT BOARDMAN, NC**

Lower Pee Dee Basin  
Lumber Subbasin

LOCATION.--Lat 34°26'33", long 78°57'37" referenced to North American Datum of 1983, Robeson County, NC, Hydrologic Unit 03040203, on right bank 150 ft downstream of bridge on U.S. Highway 74, 1 mi downstream of Seaboard Coast Line Railroad bridge at Boardman, 1.5 mi downstream of Big Swamp, and 40.5 mi upstream from mouth.

DRAINAGE AREA.--1,228 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--September 1929 to current year.

REVISED RECORDS.--WSP 1303: 1932(M). WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 72.05 ft above National Geodetic Vertical Datum of 1929. Prior to September 30, 1936, nonrecording gage at site 100 ft downstream at same datum. September 30, 1936, to June 8, 1943, nonrecording gage at present site and datum. Satellite telemetry at streamgage.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Maximum discharge for period of record also occurred September 19, 1999. Minimum discharge for period of record also occurred August 15, 2002. Minimum discharge for current water year also occurred November 14.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of September 1928 reached a stage of 11.8 ft, from floodmark witnessed by local resident; discharge, 25,000 ft<sup>3</sup>/s. Flood of July 22, 1901, the highest during the period 1896-1913, reached a stage of 10.8 ft, from observations by Butters Lumber Co.; discharge, 14,800 ft<sup>3</sup>/s.

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**  
**DAILY MEAN VALUES**  
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	258	191	269	1,010	690	1,890	877	743	915	2,590	972	1,370
2	284	187	271	1,060	656	1,920	892	773	878	3,530	944	1,160
3	295	186	274	1,100	636	1,910	878	807	803	3,710	905	1,020
4	288	184	269	1,130	622	1,860	877	833	662	5,180	877	915
5	284	182	266	1,160	610	1,800	934	854	726	5,520	873	834
6	287	180	267	1,170	600	1,740	984	897	860	5,850	900	747
7	292	180	264	1,160	601	1,660	1,040	937	1,110	5,750	955	664
8	301	180	262	1,130	705	1,580	1,050	967	1,240	5,580	984	602
9	346	179	261	1,090	764	1,500	1,050	1,000	1,670	5,370	939	552
10	365	178	261	1,040	839	1,410	1,040	e1,050	1,850	5,060	833	512
11	363	180	259	1,000	958	1,290	1,030	e1,040	2,070	4,660	704	474
12	364	178	257	951	1,050	1,220	1,040	e1,020	2,610	4,550	559	437
13	364	176	288	888	1,120	1,160	1,030	967	3,460	4,400	498	398
14	367	176	335	829	1,150	1,100	1,030	860	3,660	4,490	443	358
15	376	187	355	781	1,170	1,070	1,010	763	4,080	4,590	434	325
16	381	218	365	737	1,190	1,030	984	686	4,160	4,490	448	301
17	367	238	383	704	1,210	987	922	618	3,970	4,070	460	282
18	346	246	411	724	1,200	937	852	502	3,950	3,630	475	e270
19	323	275	436	721	1,190	939	794	444	3,480	3,320	610	e255
20	302	300	459	738	1,180	917	790	492	3,110	3,100	706	e230
21	285	321	493	752	1,150	887	768	510	2,800	2,880	987	e225
22	271	342	525	762	1,110	851	751	480	2,540	2,660	1,600	e225
23	259	356	559	771	1,110	813	726	542	2,320	2,400	2,300	e230
24	250	352	595	777	1,150	833	693	643	2,110	2,130	2,640	e225
25	242	332	621	779	1,180	874	656	666	1,960	1,940	2,950	226
26	234	310	658	792	1,420	885	628	e685	1,800	1,710	2,930	232
27	226	291	703	801	1,620	901	614	e695	1,690	1,490	2,680	246
28	219	280	784	809	1,780	891	609	720	1,650	1,320	2,360	264
29	210	275	907	809	---	862	656	772	1,710	1,180	2,080	285
30	202	272	938	784	---	840	718	834	1,960	1,080	1,840	302
31	196	---	964	746	---	842	---	891	---	1,010	1,610	---
<b>Total</b>	9,147	7,132	13,959	27,705	28,661	37,399	25,923	23,691	65,804	109,240	38,496	14,166
<b>Mean</b>	295	238	450	894	1,024	1,206	864	764	2,193	3,524	1,242	472
<b>Max</b>	381	356	964	1,170	1,780	1,920	1,050	1,050	4,160	5,850	2,950	1,370
<b>Min</b>	196	176	257	704	600	813	609	444	662	1,010	434	225
<b>Cfsm</b>	0.24	0.19	0.37	0.73	0.83	0.98	0.70	0.62	1.79	2.87	1.01	0.38
<b>In.</b>	0.28	0.22	0.42	0.84	0.87	1.13	0.79	0.72	1.99	3.31	1.17	0.43

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	861	881	1,284	1,780	2,119	2,232	1,770	955	766	804	892	1,059
<b>Max</b>	5,496	4,142	3,977	4,575	5,944	5,259	5,688	3,430	2,587	3,524	3,741	4,930
<b>(WY)</b>	(2000)	(1948)	(1949)	(1993)	(1998)	(1983)	(1936)	(1978)	(1969)	(2013)	(1974)	(1999)
<b>Min</b>	123	211	237	262	429	611	420	249	110	80.8	84.5	92.2
<b>(WY)</b>	(2008)	(1934)	(1934)	(1934)	(1934)	(1934)	(1981)	(2002)	(2002)	(2002)	(2002)	(1968)

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SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1930 - 2013	
<b>Annual total</b>	194,240		401,323			
<b>Annual mean</b>	531		1,100		1,286	
<b>Highest annual mean</b>					2,391	1965
<b>Lowest annual mean</b>					405	2002
<b>Highest daily mean</b>	1,410	Mar 7	5,850	Jul 6	13,400	Sep 24, 1945
<b>Lowest daily mean</b>	157	Jul 9	176	Nov 13	42	Aug 14, 2002
<b>Annual seven-day minimum</b>	178	Nov 8	178	Nov 8	48	Aug 18, 2002
<b>Maximum peak flow</b>			5,920	Jul 6	<sup>a</sup> 13,400	Sep 24, 1945
<b>Maximum peak stage</b>			8.77	Jul 6	10.70	Sep 19, 1999
<b>Instantaneous low flow</b>			<sup>a</sup> 175	Nov 13	<sup>a</sup> 40	Aug 14, 2002
<b>Annual runoff (cfsm)</b>	0.432		0.895		1.05	
<b>Annual runoff (inches)</b>	5.88		12.16		14.23	
<b>10 percent exceeds</b>	952		2,560		2,750	
<b>50 percent exceeds</b>	469		809		932	
<b>90 percent exceeds</b>	241		258		282	

<sup>a</sup> See Remarks.

