

Water-Data Report 2007

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 mi².

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 NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to Sept. 30, 1936, nonrecording gage at site 100 ft downstream at same datum. Sept. 30, 1936, to June 8, 1943, nonrecording gage at present site and datum. Satellite telemetry at station.

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 on August 23.

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 ft³/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 ft³/s.

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	434	520	5,430	3,710	2,120	1,290	1,090	1,270	296	202	118	184
2	405	519	4,840	3,680	2,250	1,320	1,020	1,150	277	202	117	174
3	373	519	4,140	3,540	2,340	1,340	964	1,040	294	195	116	163
4	353	521	3,580	3,330	2,520	1,390	915	938	316	190	114	151
5	350	526	3,160	3,080	2,640	1,470	861	848	328	185	111	150
6	355	530	2,820	2,860	2,630	1,530	814	776	335	187	113	150
7	354	564	2,540	2,620	2,560	1,570	779	693	350	198	113	145
8	347	660	2,290	2,480	2,510	1,580	755	625	369	210	103	138
9	340	717	2,100	2,390	2,470	1,600	740	584	383	231	97	129
10	332	833	1,960	2,340	2,410	1,640	739	549	394	203	92	121
11	330	930	1,850	2,320	2,310	1,670	765	516	397	181	89	114
12	335	1,010	1,760	2,290	2,180	1,670	810	500	386	173	82	109
13	331	1,050	1,700	2,240	2,050	1,620	806	502	367	171	77	109
14	327	1,060	1,630	2,200	1,950	1,540	790	511	363	168	73	104
15	326	1,080	1,560	2,190	1,820	1,430	990	566	382	164	71	103
16	321	1,620	1,480	2,200	1,720	1,340	1,060	630	379	162	67	133
17	314	2,130	1,410	2,180	1,650	1,280	1,210	664	347	167	63	175
18	326	2,660	1,340	2,170	1,590	1,210	1,630	681	326	179	61	188
19	334	2,800	1,280	2,160	1,530	1,180	1,820	657	309	180	58	169
20	334	2,830	1,220	2,070	1,500	1,170	1,920	642	295	169	56	162
21	331	2,920	1,180	1,990	1,510	1,170	1,970	638	287	160	54	172
22	340	3,860	1,200	2,060	1,540	1,220	2,000	632	275	164	54	182
23	367	5,430	1,450	2,090	1,550	1,360	2,020	618	260	177	63	180
24	390	6,970	1,600	2,190	1,550	1,530	2,030	588	249	186	67	164
25	407	7,600	2,030	2,300	1,530	1,640	2,030	545	244	179	78	151
26	421	7,840	2,390	2,330	1,510	1,680	1,970	489	238	163	69	140
27	437	7,350	2,820	2,310	1,430	1,630	1,850	436	233	158	98	138
28	483	6,790	3,260	2,290	1,350	1,530	1,700	392	220	e134	191	135
29	500	6,310	3,460	2,230	---	1,400	1,530	362	212	e124	211	128
30	512	5,880	3,570	2,170	---	1,270	1,400	339	202	e116	194	124
31	518	---	3,650	2,120	---	1,160	---	319	---	e111	197	---
Total	11,627	84,029	74,700	76,130	54,720	44,430	38,978	19,700	9,313	5,389	3,067	4,385
Mean	375	2,801	2,410	2,456	1,954	1,433	1,299	635	310	174	98.9	146
Max	518	7,840	5,430	3,710	2,640	1,680	2,030	1,270	397	231	211	188
Min	314	519	1,180	1,990	1,350	1,160	739	319	202	111	54	103
Cfsm	0.31	2.28	1.96	2.00	1.59	1.17	1.06	0.52	0.25	0.14	0.08	0.12
In.	0.35	2.55	2.26	2.31	1.66	1.35	1.18	0.60	0.28	0.16	0.09	0.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	882	906	1,309	1,841	2,181	2,294	1,816	980	764	801	913	1,067
Max	5,496	4,142	3,977	4,575	5,944	5,259	5,688	3,430	2,587	2,897	3,741	4,930
(WY)	(2000)	(1948)	(1949)	(1993)	(1998)	(1983)	(1936)	(1978)	(1969)	(2003)	(1974)	(1999)
Min	141	211	237	262	429	611	420	249	110	80.8	84.5	92.2
(WY)	(1941)	(1934)	(1934)	(1934)	(1934)	(1934)	(1981)	(2002)	(2002)	(2002)	(2002)	(1968)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1930 - 2007	
Annual total	458,636		426,468			
Annual mean	1,257		1,168		1,308	
Highest annual mean					2,391	1965
Lowest annual mean					405	2002
Highest daily mean	7,840	Nov 26	7,840	Nov 26	13,400	Sep 24, 1945
Lowest daily mean	314	Oct 17	54	Aug 21	42	Aug 14, 2002
Annual seven-day minimum	326	Oct 13	58	Aug 17	48	Aug 18, 2002
Maximum peak flow			7,960	Nov 26	^a 13,400	Sep 24, 1945
Maximum peak stage			9.44	Nov 26	10.70	Sep 19, 1999
Instantaneous low flow			^a 52	Aug 22	^a 40	Aug 14, 2002
Annual runoff (cfsm)	1.02		0.951		1.07	
Annual runoff (inches)	13.89		12.92		14.47	
10 percent exceeds	2,440		2,510		2,800	
50 percent exceeds	987		660		955	
90 percent exceeds	374		124		290	

^a See Remarks.

