

Water-Data Report 2008

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. 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.

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 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	116	e261	205	573	793	1,970	1,160	874	338	169	445	e811
2	111	e282	211	583	777	1,860	1,110	908	331	149	456	e965
3	112	299	220	620	735	1,750	1,050	979	321	130	486	e1,010
4	115	326	223	675	704	1,660	1,040	1,070	314	116	505	1,090
5	121	367	223	727	679	1,640	1,240	1,140	304	107	498	1,160
6	115	411	220	774	671	1,580	1,770	1,180	285	105	475	1,670
7	113	452	217	814	677	1,610	2,900	1,230	264	126	439	2,030
8	116	475	216	845	670	1,730	3,890	1,240	244	135	409	2,590
9	114	470	220	859	680	1,750	4,150	1,220	224	148	389	3,750
10	113	450	223	888	683	1,820	4,370	1,170	202	181	407	4,350
11	111	350	224	910	683	1,890	4,470	1,180	183	205	416	4,970
12	109	317	223	865	681	1,910	4,320	1,180	166	281	401	5,420
13	109	286	221	799	720	1,870	3,960	1,110	167	339	408	5,760
14	110	266	221	726	687	1,820	3,530	1,040	152	376	442	5,860
15	109	251	221	647	650	1,840	3,140	973	141	427	446	5,670
16	107	238	241	596	636	2,060	2,780	901	138	480	481	5,430
17	106	230	266	588	619	2,010	2,470	813	133	527	568	5,330
18	105	226	287	587	684	1,960	2,200	732	134	562	714	4,910
19	104	225	309	599	857	1,900	1,950	657	136	576	854	4,440
20	101	222	333	661	1,210	1,790	1,750	597	145	576	924	3,930
21	98	221	361	678	1,340	1,650	1,580	559	164	551	936	3,500
22	97	219	389	725	1,540	1,550	1,450	522	181	468	933	3,140
23	97	210	418	770	1,730	1,460	1,350	490	184	430	912	2,810
24	94	204	447	784	1,950	1,400	1,260	464	178	419	868	2,500
25	97	202	467	789	2,130	1,360	1,160	439	178	392	815	2,250
26	112	204	516	807	2,250	1,330	1,080	415	188	381	798	2,270
27	155	204	551	831	2,260	1,300	1,000	402	197	384	816	2,190
28	183	199	558	843	2,140	1,260	979	395	209	386	789	2,180
29	195	199	553	846	2,050	1,210	932	393	207	379	782	2,230
30	219	201	556	850	---	1,150	884	379	192	373	e800	2,230
31	e240	---	568	809	---	1,150	---	359	---	388	e797	---
Total	3,804	8,467	10,108	23,068	31,886	51,240	64,925	25,011	6,200	10,266	19,409	96,446
Mean	123	282	326	744	1,100	1,653	2,164	807	207	331	626	3,215
Max	240	475	568	910	2,260	2,060	4,470	1,240	338	576	936	5,860
Min	94	199	205	573	619	1,150	884	359	133	105	389	811
Cfs/m	0.10	0.23	0.27	0.61	0.90	1.35	1.76	0.66	0.17	0.27	0.51	2.62
In.	0.12	0.26	0.31	0.70	0.97	1.55	1.97	0.76	0.19	0.31	0.59	2.92

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	873	898	1,297	1,827	2,167	2,286	1,820	977	757	795	910	1,094
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	123	211	237	262	429	611	420	249	110	80.8	84.5	92.2
(WY)	(2008)	(1934)	(1934)	(1934)	(1934)	(1934)	(1981)	(2002)	(2002)	(2002)	(2002)	(1968)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1930 - 2008	
Annual total	278,491		350,830			
Annual mean	763		959		1,304	
Highest annual mean					2,391	
Lowest annual mean					405	
Highest daily mean	3,710	Jan 1	5,860	Sep 14	13,400	Sep 24, 1945
Lowest daily mean	54	Aug 21	94	Oct 24	42	Aug 14, 2002
Annual seven-day minimum	58	Aug 17	98	Oct 19	48	Aug 18, 2002
Maximum peak flow			5,920	Sep 14	^a 13,400	Sep 24, 1945
Maximum peak stage			8.81	Sep 14	10.70	Sep 19, 1999
Instantaneous low flow			93	Oct 24	^a 40	Aug 14, 2002
Annual runoff (cfs)	0.621		0.781		1.06	
Annual runoff (inches)	8.44		10.63		14.42	
10 percent exceeds	2,160		2,180		2,800	
50 percent exceeds	326		585		950	
90 percent exceeds	109		140		285	

^aSee Remarks.