

02134500 LUMBER RIVER AT BOARDMAN, NC

LOCATION.--Lat 34°26'33", long 78°57'37". Robeson County, 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.

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.--No estimated daily discharges. Records fair. Maximum discharge for period of record also occurred Sept. 19, 1999. Minimum discharge for current water year also occurred Sept. 14. Minimum discharge for period of record also occurred Aug. 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.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,640	512	1,020	1,010	1,160	1,290	1,610	924	431	503	729	372
2	1,570	508	1,050	1,030	1,150	1,350	1,650	818	450	555	919	348
3	1,470	506	1,080	1,050	1,170	1,410	1,660	717	470	590	1,060	319
4	1,380	507	1,070	1,070	1,200	1,450	1,650	637	598	628	1,190	292
5	1,290	509	1,040	1,060	1,200	1,460	1,620	592	713	672	1,260	268
6	1,220	507	1,000	1,060	1,210	1,460	1,580	598	803	711	1,300	250
7	1,160	504	973	1,040	1,220	1,460	1,530	588	751	736	1,370	234
8	1,150	499	946	1,030	1,230	1,460	1,510	577	699	711	1,350	216
9	1,160	493	934	1,000	1,230	1,440	1,500	569	669	643	1,350	201
10	1,170	486	950	974	1,230	1,410	1,500	559	705	590	1,440	189
11	1,150	482	933	934	1,220	1,400	1,500	551	727	566	1,500	178
12	1,100	495	882	894	1,220	1,380	1,480	543	766	564	1,450	170
13	1,030	544	843	867	1,210	1,330	1,460	529	796	601	1,310	165
14	949	567	813	876	1,180	1,270	1,480	515	813	705	1,170	176
15	886	576	789	895	1,150	1,210	1,550	500	826	808	1,050	234
16	835	576	767	962	1,110	1,200	1,700	494	794	871	947	259
17	775	582	755	1,080	1,060	1,260	1,860	472	701	900	857	251
18	722	597	753	1,170	1,020	1,300	1,930	451	608	897	804	229
19	685	618	758	1,210	974	1,350	1,920	429	539	818	781	213
20	653	647	760	1,230	942	1,400	1,850	422	526	703	761	206
21	630	676	760	1,260	919	1,420	1,760	530	500	644	722	202
22	613	700	751	1,320	899	1,420	1,680	577	475	618	658	198
23	598	923	743	1,400	871	1,470	1,610	626	438	584	595	198
24	585	1,030	721	1,490	987	1,510	1,530	599	366	551	548	214
25	574	1,080	688	1,560	1,070	1,570	1,450	542	333	512	532	244
26	560	1,060	709	1,560	1,120	1,610	1,370	501	304	477	532	270
27	547	1,030	758	1,490	1,160	1,650	1,290	476	281	454	510	285
28	537	1,030	819	1,380	1,240	1,660	1,190	457	312	438	498	297
29	530	997	902	1,280	---	1,660	1,090	435	384	428	450	303
30	524	990	958	1,240	---	1,630	1,000	418	468	437	410	319
31	519	---	991	1,190	---	1,600	---	422	---	529	388	---
TOTAL	28,212	20,231	26,916	35,612	31,352	44,490	46,510	17,068	17,246	19,444	28,441	7,300
MEAN	910	674	868	1,149	1,120	1,435	1,550	551	575	627	917	243
MAX	1,640	1,080	1,080	1,560	1,240	1,660	1,930	924	826	900	1,500	372
MIN	519	482	688	867	871	1,200	1,000	418	281	428	388	165
CFSM	0.74	0.55	0.71	0.94	0.91	1.17	1.26	0.45	0.47	0.51	0.75	0.20
IN.	0.85	0.61	0.82	1.08	0.95	1.35	1.41	0.52	0.52	0.59	0.86	0.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2005, BY WATER YEAR (WY)

MEAN	893	888	1,289	1,835	2,194	2,322	1,840	985	759	807	929	1,080
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	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1930 - 2005	
ANNUAL TOTAL	435,865		322,822		1,314	
ANNUAL MEAN	1,191		884		2,391	
HIGHEST ANNUAL MEAN					405	
LOWEST ANNUAL MEAN					1965	
HIGHEST DAILY MEAN	7,000	Sep 13	1,930	Apr 18	13,400	Sep 24, 1945
LOWEST DAILY MEAN	233	Jul 23	165	Sep 13	42	Aug 14, 2002
ANNUAL SEVEN-DAY MINIMUM	246	Jul 22	185	Sep 8	48	Aug 18, 2002
MAXIMUM PEAK FLOW			1,940	Apr 18	13,400*	Sep 24, 1945
MAXIMUM PEAK STAGE			6.73	Apr 18	10.70	Sep 19, 1999
INSTANTANEOUS LOW FLOW			163*	Sep 13	40*	Aug 14, 2002
ANNUAL RUNOFF (CFSM)	0.970		0.720		1.07	
ANNUAL RUNOFF (INCHES)	13.20		9.78		14.54	
10 PERCENT EXCEEDS	2,330		1,480		2,800	
50 PERCENT EXCEEDS	940		818		958	
90 PERCENT EXCEEDS	402		386		293	

* See REMARKS.

