

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.--Records fair except those for estimated daily discharges, which are poor. Maximum discharge for period of record also occurred Sept. 19, 1999. 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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	155	524	992	1,260	692	1,710	2,810	1,670	2,780	1,200	1,600	1,390
2	149	506	943	1,310	691	1,800	2,620	1,590	2,900	1,390	1,480	1,270
3	149	490	882	1,330	692	1,860	2,450	1,540	3,030	1,960	1,380	1,160
4	151	477	818	1,340	695	1,900	2,260	1,800	3,120	2,310	1,320	1,080
5	149	466	782	1,340	697	1,940	2,060	2,030	3,200	2,760	1,290	1,060
6	143	471	740	1,350	707	2,440	1,900	2,240	3,220	2,830	1,320	1,020
7	136	472	703	1,340	777	3,360	1,810	2,290	3,140	2,860	1,490	987
8	135	471	673	1,310	817	4,100	1,780	2,310	3,080	2,840	1,850	977
9	133	474	651	1,260	864	4,180	1,890	2,310	2,910	2,700	2,250	965
10	132	474	639	1,200	952	4,250	2,310	2,240	2,700	e2,640	2,910	945
11	124	470	644	1,150	1,030	3,830	3,160	2,090	2,560	2,720	3,410	919
12	151	480	649	1,100	1,090	3,540	3,980	1,910	2,450	2,690	3,460	918
13	215	519	686	1,070	1,120	3,450	3,940	1,750	2,330	2,550	3,580	980
14	252	566	755	1,050	1,120	3,240	4,030	1,640	2,150	2,740	3,490	1,070
15	289	672	818	1,020	1,130	3,100	4,100	1,590	1,960	3,040	3,310	1,120
16	326	759	878	992	1,150	3,100	4,170	1,560	1,790	3,180	3,330	1,120
17	345	815	918	971	1,230	3,040	4,210	1,550	1,680	3,610	3,940	1,100
18	361	838	948	934	1,300	3,000	4,230	1,520	1,600	4,800	3,870	1,240
19	379	850	963	894	1,390	2,900	4,080	1,440	1,590	5,370	3,770	e1,490
20	396	877	992	859	1,470	3,120	3,520	1,330	1,760	4,880	3,240	e1,590
21	412	912	998	825	1,520	3,650	3,120	1,190	1,770	4,200	2,890	1,690
22	432	948	1,000	797	1,550	4,290	2,860	1,060	1,650	3,700	2,700	1,750
23	458	971	1,020	768	1,610	4,340	2,590	1,130	1,510	3,630	2,700	1,830
24	500	1,000	1,050	746	1,610	4,420	2,470	1,190	1,400	3,240	2,730	1,850
25	547	1,030	1,120	730	1,600	4,360	2,280	1,290	1,350	2,940	2,670	1,860
26	601	1,040	1,130	718	1,600	4,190	2,180	1,530	1,390	2,640	2,490	1,920
27	619	1,050	1,160	701	1,660	3,940	2,040	1,710	1,420	2,380	2,290	2,000
28	602	1,040	1,180	689	1,690	3,450	1,940	1,790	1,420	2,300	2,100	2,110
29	580	1,040	1,180	677	---	3,410	1,860	1,840	1,390	2,100	1,900	2,210
30	564	1,030	1,170	684	---	3,220	1,770	1,950	1,300	1,900	1,710	2,280
31	545	---	1,150	692	---	2,870	---	2,190	---	1,720	1,530	---
TOTAL	10,130	21,732	28,232	31,107	32,454	102,000	84,420	53,270	64,550	89,820	78,000	41,901
MEAN	327	724	911	1,003	1,159	3,290	2,814	1,718	2,152	2,897	2,516	1,397
MAX	619	1,050	1,180	1,350	1,690	4,420	4,230	2,310	3,220	5,370	3,940	2,280
MIN	124	466	639	677	691	1,710	1,770	1,060	1,300	1,200	1,290	918
CFSM	0.27	0.59	0.74	0.82	0.94	2.68	2.29	1.40	1.75	2.36	2.05	1.14
IN.	0.31	0.66	0.86	0.94	0.98	3.09	2.56	1.61	1.96	2.72	2.36	1.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2003, BY WATER YEAR (WY)

MEAN	886	881	1,289	1,855	2,216	2,339	1,852	991	766	815	933	1,058
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)

02134500 LUMBER RIVER AT BOARDMAN, NC—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1930 - 2003	
ANNUAL TOTAL	179,946		637,616			
ANNUAL MEAN	493		1,747		1,319	
HIGHEST ANNUAL MEAN					2,391	1965
LOWEST ANNUAL MEAN					405	2002
HIGHEST DAILY MEAN	1,600	Apr 10	5,370	Jul 19	13,400	Sep 24, 1945
LOWEST DAILY MEAN	42	Aug 14	124	Oct 11	42	Aug 14, 2002
ANNUAL SEVEN-DAY MINIMUM	48	Aug 18	136	Oct 5	48	Aug 18, 2002
MAXIMUM PEAK FLOW			5,330	Jul 19	13,400*	Sep 24, 1945
MAXIMUM PEAK STAGE			8.61	Jul 19	10.70	Sep 19, 1999
INSTANTANEOUS LOW FLOW			121	Oct 11	40*	Aug 14, 2002
ANNUAL RUNOFF (CFSM)	0.40		1.42		1.07	
ANNUAL RUNOFF (INCHES)	5.45		19.32		14.59	
10 PERCENT EXCEEDS	1,040		3,430		2,820	
50 PERCENT EXCEEDS	396		1,490		955	
90 PERCENT EXCEEDS	75		522		290	

e Estimated.
 * See REMARKS.

