

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 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,200	2,160	1,230	1,400	1,040	3,450	914	867	430	444	307	1,050
2	2,080	2,240	1,240	1,350	1,030	3,610	873	872	399	444	328	1,590
3	1,910	2,200	1,220	1,300	1,030	3,640	838	1,060	369	458	356	2,280
4	1,760	2,160	1,220	1,260	1,040	3,600	810	1,170	351	482	382	2,560
5	1,630	2,130	1,240	1,220	1,040	3,510	778	1,330	375	470	405	2,800
6	1,520	2,140	1,220	1,180	1,050	3,370	751	1,490	413	453	418	2,960
7	1,430	2,170	1,200	1,140	1,080	3,210	731	1,600	424	442	427	3,080
8	1,400	2,150	1,180	1,100	1,090	3,040	714	1,670	413	434	434	3,250
9	1,420	2,080	1,170	1,090	1,100	2,840	698	1,710	395	424	438	3,520
10	1,340	1,980	1,190	1,080	1,110	2,640	683	1,640	382	403	439	3,970
11	1,280	1,840	1,270	1,050	1,110	2,410	683	1,600	386	384	436	5,300
12	1,240	1,710	1,320	1,040	1,190	2,190	800	1,590	380	366	422	6,920
13	1,210	1,570	1,440	1,030	1,300	1,990	922	1,560	383	378	413	7,000
14	1,210	1,440	1,630	1,030	1,410	1,820	1,060	1,460	400	367	418	6,790
15	1,220	1,350	1,790	1,030	1,610	1,670	1,540	1,320	413	371	502	5,980
16	1,190	1,280	1,930	1,020	1,770	1,560	2,020	1,160	429	382	537	5,380
17	1,170	1,220	2,100	1,000	1,930	1,460	2,190	1,000	459	370	585	5,250
18	1,190	1,160	2,240	990	2,100	1,370	2,250	855	484	346	667	4,990
19	1,200	1,140	2,340	967	2,210	1,300	2,200	729	498	319	777	4,260
20	1,190	1,140	2,400	940	2,310	1,230	2,100	634	498	303	904	3,690
21	1,180	1,120	2,420	920	2,340	1,170	1,980	573	485	268	1,010	3,290
22	1,170	1,140	2,380	906	2,330	1,120	1,830	528	465	247	1,040	2,990
23	1,150	1,170	2,310	892	2,280	1,080	1,680	502	448	233	1,040	2,690
24	1,130	1,180	2,210	881	2,200	1,060	1,530	523	446	236	1,020	2,510
25	1,110	1,170	2,090	870	2,090	1,040	1,380	506	432	245	988	2,400
26	1,080	1,160	1,980	893	2,050	1,030	1,250	485	409	251	939	2,200
27	1,060	1,150	1,870	951	2,270	1,030	1,180	459	394	253	889	2,040
28	1,080	1,170	1,760	993	2,590	1,020	1,090	436	413	256	832	1,950
29	1,320	1,190	1,650	1,010	3,070	990	996	419	427	272	819	1,820
30	1,600	1,210	1,550	1,030	---	953	926	428	440	279	927	1,720
31	1,920	---	1,470	1,040	---	946	---	451	---	292	919	---
TOTAL	42,590	46,920	52,260	32,603	48,770	61,349	37,397	30,627	12,640	10,872	20,018	106,230
MEAN	1,374	1,564	1,686	1,052	1,682	1,979	1,247	988	421	351	646	3,541
MAX	2,200	2,240	2,420	1,400	3,070	3,640	2,250	1,710	498	482	1,040	7,000
MIN	1,060	1,120	1,170	870	1,030	946	683	419	351	233	307	1,050
CFSM	1.12	1.27	1.37	0.86	1.37	1.61	1.02	0.80	0.34	0.29	0.53	2.88
IN.	1.29	1.42	1.58	0.99	1.48	1.86	1.13	0.93	0.38	0.33	0.61	3.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2004, BY WATER YEAR (WY)

MEAN	892	891	1,294	1,844	2,209	2,334	1,844	991	761	809	929	1,091
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1930 - 2004	
ANNUAL TOTAL	719,292		502,276		1,319	
ANNUAL MEAN	1,971		1,372		2,391	
HIGHEST ANNUAL MEAN					1965	
LOWEST ANNUAL MEAN					405	
HIGHEST DAILY MEAN	5,370	Jul 19	7,000	Sep 13	13,400	Sep 24, 1945
LOWEST DAILY MEAN	677	Jan 29	233	Jul 23	42	Aug 14, 2002
ANNUAL SEVEN-DAY MINIMUM	688	Jan 28	246	Jul 22	48	Aug 18, 2002
MAXIMUM PEAK FLOW			7,090	Sep 13	13,400*	Sep 24, 1945
MAXIMUM PEAK STAGE			9.18	Sep 13	10.70	Sep 19, 1999
INSTANTANEOUS LOW FLOW			230	Jul 23	40*	Aug 14, 2002
ANNUAL RUNOFF (CFSM)	1.60		1.12		1.07	
ANNUAL RUNOFF (INCHES)	21.79		15.22		14.60	
10 PERCENT EXCEEDS	3,430		2,400		2,810	
50 PERCENT EXCEEDS	1,710		1,140		962	
90 PERCENT EXCEEDS	1,040		402		293	

* See REMARKS.

