Water-Data Report 2011

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 mi^2.

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 National Geodetic Vertical Datum of 1929. Prior to September 30, 1936, nonrecording gage at site 100 ft downstream at same datum. September 30, 1936, to June 8, 1943, nonrecording gage at present site and datum. Satellite telemetry at streamgage.

REMARKS.--Records good 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 August 11,12.

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 ft^3/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 ft^3/s.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 02134500, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/02134500.2011.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	982	460	437	583	564	739	946	683	475	186	202	597
2	1,470	460	434	596	587	743	1,110	742	438	192	209	474
3	2,120	459	434	601	590	749	1,230	739	404	195	192	414
4	2,430	474	436	604	710	766	1,300	683	377	188	171	388
5	2,570	501	438	607	991	785	1,330	614	344	175	156	350
6	2,660	507	434	607	1,170	824	1,320	574	307	175	150	326
7	3,000	527	433	602	1,370	871	1,310	549	273	201	152	314
8	3,320	557	435	599	1,530	901	1,290	515	243	197	142	335
9	3,330	564	437	588	1,600	960	1,270	489	216	169	130	327
10	3,090	552	435	596	1,650	1,070	1,260	470	197	177	124	304
11	2,740	543	439	615	1,660	1,160	1,210	477	180	175	122	291
12	2,360	538	457	619	1,640	1,160	1,160	460	165	173	124	288
13	2,000	535	466	619	1,610	1,140	1,100	438	175	171	174	293
14	1,690	528	468	622	1,590	1,120	1,050	428	214	249	221	280
15	1,470	514	472	628	1,560	1,090	982	489	199	264	241	257
16	1,280	501	479	637	1,530	1,070	921	495	193	233	223	241
17	1,110	483	486	648	1,480	1,030	881	464	190	200	180	235
18	959	462	493	672	1,390	1,000	822	439	185	190	161	220
19	831	444	515	703	1,270	980	764	416	178	203	173	204
20	719	432	534	721	1,150	954	736	393	176	200	305	e190
21	624	423	550	723	1,060	925	700	371	163	178	496	e185
22	555	417	559	706	977	878	657	350	152	156	682	e180
23	507	417	556	691	898	824	634	334	146	142	918	e180
24	473	422	550	679	836	771	598	317	144	138	973	e185
25	457	424	551	675	794	707	566	299	146	131	965	e190
26	459	431	579	674	744	650	545	281	154	168	821	e200
27	448	433	597	656	704	640	557	259	167	165	763	e230
28	456	430	594	640	666	625	562	249	192	155	714	e270
29	464	430	589	616	---	631	579	388	201	153	759	308
30	460	433	585	593	---	682	615	473	192	157	823	344
31	459	---	583	573	---	814	---	488	---	178	754	---
Total	45,493	14,301	15,455	19,693	32,321	27,259	28,005	14,366	6,786	5,634	12,220	8,600
Mean	1,468	477	499	635	1,154	879	934	463	226	182	394	287
Max	3,330	564	597	723	1,660	1,160	1,330	742	475	264	973	597
Min	448	417	433	573	564	625	545	249	144	131	122	180
Cfsm	1.20	0.39	0.41	0.52	0.94	0.72	0.76	0.38	0.18	0.15	0.32	0.23
In.	1.38	0.43	0.47	0.60	0.98	0.83	0.85	0.44	0.21	0.17	0.37	0.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	875	896	1,303	1,806	2,151	2,259	1,794	962	752	776	891	1,063
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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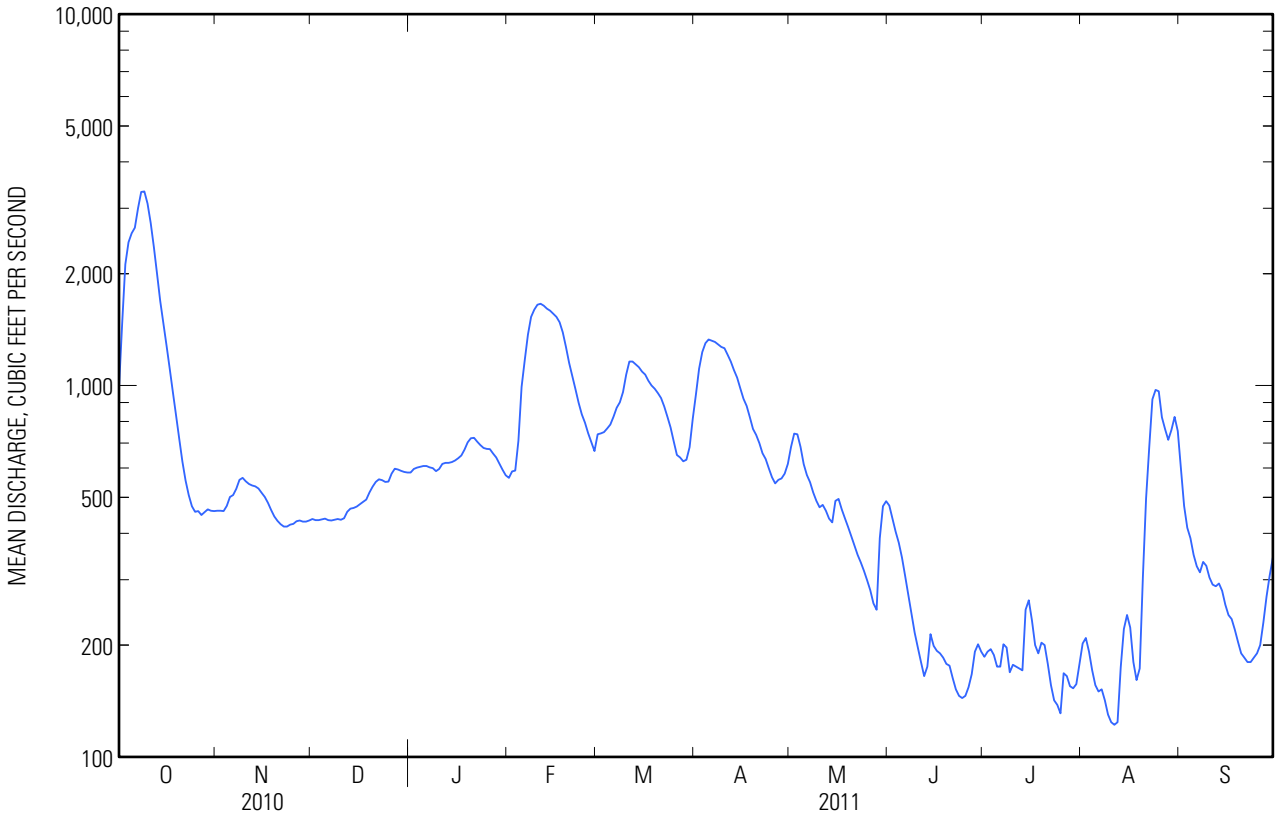
SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1930 - 2011	
Annual total	378,532		230,133			
Annual mean	1,037		631		1,289	
Highest annual mean					2,391	1965
Lowest annual mean					405	2002
Highest daily mean	4,550	Feb 13	3,330	Oct 9	13,400	Sep 24, 1945
Lowest daily mean	101	Sep 25	122	Aug 11	42	Aug 14, 2002
Annual seven-day minimum	107	Sep 20	135	Aug 6	48	Aug 18, 2002
Maximum peak flow			3,380	Oct 8	[a]13,400	Sep 24, 1945
Maximum peak stage			7.76	Oct 8	10.70	Sep 19, 1999
Instantaneous low flow			[a]121	Aug 10	[a]40	Aug 14, 2002
Annual runoff (cfsm)	0.845		0.513		1.05	
Annual runoff (inches)	11.47		6.97		14.27	
10 percent exceeds	2,360		1,220		2,760	
50 percent exceeds	583		514		935	
90 percent exceeds	262		176		280	

[a] See Remarks.