

Water-Data Report 2010

02133624 LUMBER RIVER NEAR MAXTON, NC

Lower Pee Dee Basin
Lumber Subbasin

LOCATION.--Lat 34°46'22", long 79°19'55" referenced to North American Datum of 1983, Robeson County, NC, Hydrologic Unit 03040203, downstream of bridge on North Carolina Highway 71, 2.6 mi north of Maxton, and 7.5 mi upstream from Gum Swamp.

DRAINAGE AREA.--365 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 1987 to current year. Occasional discharge measurements, water years 1974, 1980-85.

GAGE.--Water-stage recorder. Datum of gage is 171.04 above North American Vertical Datum of 1988. Satellite telemetry at streamgage.

REMARKS.--Records fair, except those for estimated daily discharges which are poor. Minimum discharge for period of record also occurred on August 14, 2002. Minimum discharge for current water year also occurred September 22.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	144	180	287	569	977	541	470	204	349	149	301	142
2	130	171	278	500	740	518	489	194	390	144	259	133
3	122	171	304	443	669	503	512	185	423	138	270	124
4	116	175	356	e421	645	492	503	183	454	124	253	118
5	116	172	448	e397	722	495	439	180	472	108	207	109
6	123	163	511	e387	1,040	502	379	183	469	98	195	102
7	139	153	630	e378	1,320	509	350	181	422	92	190	96
8	154	147	762	e365	1,510	514	333	171	353	86	235	94
9	156	144	720	370	1,650	502	328	158	285	90	244	97
10	145	145	630	356	1,750	475	333	143	253	97	197	96
11	136	215	611	346	1,590	446	385	131	218	113	159	93
12	129	301	629	337	1,390	439	424	130	200	110	139	94
13	135	396	690	326	1,270	500	406	127	179	113	124	91
14	142	499	702	319	1,180	496	353	130	159	138	115	89
15	149	607	606	316	977	541	314	130	148	171	141	90
16	162	719	514	313	860	584	293	128	148	168	110	89
17	170	665	452	343	757	616	284	149	150	144	100	88
18	165	555	422	382	694	611	274	197	149	133	98	83
19	154	431	413	462	651	563	260	263	143	131	112	80
20	144	334	411	566	615	508	246	312	131	158	222	79
21	138	299	447	675	581	458	237	341	120	180	336	77
22	132	290	475	941	563	423	235	357	113	154	395	77
23	128	307	498	1,140	544	402	238	304	107	124	403	77
24	126	324	513	1,160	542	394	235	240	102	107	399	79
25	129	354	506	1,070	557	388	232	254	97	99	394	78
26	149	382	465	1,160	555	381	231	248	190	111	312	83
27	164	399	473	1,320	558	373	237	242	148	156	253	137
28	164	406	535	1,340	559	364	237	227	128	245	223	235
29	164	381	564	1,310	---	378	227	335	138	305	200	331
30	179	323	614	1,330	---	395	215	317	148	334	173	640
31	188	---	629	1,250	---	438	---	279	---	330	154	---
Total	4,492	9,808	16,095	20,592	25,466	14,749	9,699	6,623	6,786	4,650	6,913	3,801
Mean	145	327	519	664	910	476	323	214	226	150	223	127
Max	188	719	762	1,340	1,750	616	512	357	472	334	403	640
Min	116	144	278	313	542	364	215	127	97	86	98	77
Cfsm	0.40	0.90	1.42	1.82	2.49	1.30	0.89	0.59	0.62	0.41	0.61	0.35
In.	0.46	1.00	1.64	2.10	2.60	1.50	0.99	0.68	0.69	0.47	0.70	0.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	376	439	504	604	620	662	551	364	314	277	303	373
Max	827	1,035	905	926	1,205	1,267	1,144	932	1,022	710	1,356	1,158
(WY)	(2000)	(2007)	(2006)	(1998)	(1998)	(1998)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
Min	145	166	220	364	300	337	232	135	67.6	63.2	51.5	108
(WY)	(2010)	(2002)	(2002)	(1992)	(1992)	(2006)	(2006)	(2002)	(2002)	(2002)	(2002)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 1987 - 2010	
Annual total	109,562		129,674			
Annual mean	300		355		449	
Highest annual mean					875	2003
Lowest annual mean					243	2002
Highest daily mean	1,370	Mar 6	1,750	Feb 10	3,070	Mar 22, 1998
Lowest daily mean	72	Jul 6	77	Sep 21	28	Aug 13, 2002
Annual seven-day minimum	76	Jul 2	78	Sep 19	32	Aug 10, 2002
Maximum peak flow			1,770	Feb 10	3,380	Mar 22, 1998
Maximum peak stage			11.81	Feb 10	13.52	Mar 22, 1998
Instantaneous low flow			^a 75	Sep 21	^a 27	Aug 13, 2002
Annual runoff (cfsm)	0.822		0.973		1.23	
Annual runoff (inches)	11.17		13.22		16.70	
10 percent exceeds	515		642		846	
50 percent exceeds	269		284		383	
90 percent exceeds	106		110		144	

^a See Remarks.

