

Water-Data Report 2008

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 station.

REMARKS.--Records poor. Minimum discharge for period of record also occurred on August 14, 2002. Minimum discharge for current water year also occurred October 3.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	81	736	187	e528	278	380	297	388	194	92	172	730
2	80	604	182	e575	290	375	325	414	177	89	156	673
3	82	427	176	624	322	350	374	421	170	85	162	e539
4	83	281	173	642	362	321	418	413	164	83	142	e359
5	85	226	176	651	386	334	608	361	151	85	129	214
6	89	205	175	602	398	336	683	308	139	86	123	573
7	92	193	173	513	377	369	688	298	129	107	115	821
8	94	183	172	386	326	426	705	263	121	173	134	1,810
9	95	177	173	326	293	507	710	238	112	226	119	2,190
10	97	173	172	305	274	613	733	221	104	277	112	1,910
11	95	169	172	301	255	649	726	223	105	519	107	1,510
12	95	169	172	306	242	682	673	234	110	382	105	1,220
13	93	168	170	313	250	682	568	246	107	453	148	1,070
14	90	167	169	306	270	626	456	240	122	516	204	950
15	87	169	171	288	316	544	423	224	131	376	242	847
16	85	171	204	269	367	463	401	214	130	225	299	744
17	88	173	254	262	425	415	377	209	162	202	320	664
18	89	171	317	267	532	441	353	219	166	180	314	570
19	90	170	372	294	440	481	324	218	142	168	281	467
20	93	169	393	331	376	523	303	206	122	166	292	427
21	96	170	377	360	365	562	289	202	117	174	284	444
22	100	173	310	402	384	568	290	215	128	171	220	466
23	97	170	266	437	401	537	305	251	142	166	182	406
24	102	169	254	424	429	469	313	256	183	156	163	331
25	123	169	257	381	430	420	304	219	193	160	146	299
26	182	168	275	346	428	383	286	187	160	209	150	330
27	263	176	293	342	416	345	269	169	134	245	187	360
28	325	187	327	332	386	318	291	163	119	211	267	429
29	459	197	e376	295	378	301	308	171	108	170	347	539
30	777	196	e422	274	---	289	343	194	99	157	565	584
31	877	---	e474	272	---	283	---	205	---	158	686	---
Total	5,184	6,676	7,784	11,954	10,396	13,992	13,143	7,790	4,141	6,467	6,873	22,476
Mean	167	223	251	386	358	451	438	251	138	209	222	749
Max	877	736	474	651	532	682	733	421	194	519	686	2,190
Min	80	167	169	262	242	283	269	163	99	83	105	214
Cfs/m	0.46	0.61	0.69	1.06	0.98	1.24	1.20	0.69	0.38	0.57	0.61	2.05
In.	0.53	0.68	0.79	1.22	1.06	1.43	1.34	0.79	0.42	0.66	0.70	2.29

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	391	449	502	610	620	674	569	376	324	290	313	395
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	167	166	220	364	300	337	232	135	67.6	63.2	51.5	108
(WY)	(2008)	(2002)	(2002)	(1992)	(1992)	(2006)	(2006)	(2002)	(2002)	(2002)	(2002)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1987 - 2008	
Annual total	129,200		116,876			
Annual mean	354		319		459	
Highest annual mean					875	
Lowest annual mean					243	
Highest daily mean	1,330	Mar 21	2,190	Sep 9	3,070	Mar 22, 1998
Lowest daily mean	58	Aug 21	80	Oct 2	28	Aug 13, 2002
Annual seven-day minimum	61	Aug 17	85	Oct 1	32	Aug 10, 2002
Maximum peak flow			2,230	Sep 9	3,380	Mar 22, 1998
Maximum peak stage			12.23	Sep 9	13.52	Mar 22, 1998
Instantaneous low flow			^a 79	Oct 2	^a 27	Aug 13, 2002
Annual runoff (cfs)	0.970		0.875		1.26	
Annual runoff (inches)	13.17		11.91		17.09	
10 percent exceeds	821		578		863	
50 percent exceeds	187		271		394	
90 percent exceeds	89		107		150	

^aSee Remarks.