

Water-Data Report 2007

03505550 NANTAHALA RIVER NEAR HEWITT, NC

Upper Tennessee Basin
Upper Little Tennessee Subbasin

LOCATION.--Lat 35°18'18", long 83°39'08" referenced to North American Datum of 1983, Swain County, NC, Hydrologic Unit 06010202, on left bank, 1,655 ft downstream from bridge on U.S. Highway 74, 0.2 mi southwest of Hewitt, and 2.5 mi northwest of Beachertown.

DRAINAGE AREA.--145 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--December 2004 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,910 ft above NVGD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records good except those for estimated discharges, which are poor. Minimum discharge for period of record and current water year affected by regulation.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e233	655	177	999	385	272	402	287	231	298	253	275
2	e223	383	127	877	362	819	266	284	248	254	316	264
3	204	398	107	826	271	811	250	288	246	250	281	224
4	212	407	105	773	291	471	287	262	234	244	264	185
5	211	404	99	794	262	267	257	291	231	246	232	186
6	209	422	95	806	276	194	255	299	227	245	314	183
7	193	452	91	757	296	186	251	289	235	285	316	184
8	331	558	205	863	204	178	250	284	228	252	314	233
9	323	530	677	547	201	172	247	285	244	253	300	183
10	340	527	498	459	183	173	248	282	215	258	244	187
11	344	540	177	310	175	167	246	280	225	365	245	259
12	375	565	79	266	176	217	255	284	225	290	222	183
13	354	492	85	462	178	227	245	276	228	259	230	182
14	357	556	125	447	180	217	254	259	239	270	223	312
15	282	935	491	431	163	216	260	256	235	242	224	276
16	253	1,180	486	430	160	340	252	257	246	258	225	192
17	459	945	477	285	134	407	248	258	219	251	222	192
18	609	866	479	430	136	387	247	257	252	247	233	198
19	532	876	479	414	142	310	248	253	255	265	218	195
20	540	893	481	239	136	238	242	254	308	283	234	186
21	510	844	480	412	151	232	242	254	244	266	223	185
22	499	867	314	679	141	230	237	251	233	234	224	234
23	490	859	454	794	253	226	239	230	242	242	225	184
24	531	849	449	740	285	220	236	224	243	256	220	182
25	533	844	492	716	259	214	234	227	229	254	240	182
26	521	842	497	509	160	219	236	241	259	253	259	183
27	609	491	457	508	299	218	239	249	257	246	234	183
28	806	88	375	503	294	220	260	210	252	291	227	183
29	749	87	295	360	---	221	262	221	267	245	227	238
30	713	121	299	391	---	387	260	222	269	247	235	182
31	679	---	610	302	---	490	---	220	---	246	231	---
Total	13,224	18,476	10,262	17,329	6,153	9,146	7,655	8,034	7,266	8,095	7,655	6,215
Mean	427	616	331	559	220	295	255	259	242	261	247	207
Max	806	1,180	677	999	385	819	402	299	308	365	316	312
Min	193	87	79	239	134	167	234	210	215	234	218	182

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2005 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	399	511	443	678	329	361	390	372	396	411	346	322
Max	427	616	840	854	391	527	608	537	685	753	581	527
(WY)	(2007)	(2007)	(2005)	(2006)	(2006)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)
Min	371	407	159	559	220	262	255	259	242	218	211	207
(WY)	(2006)	(2006)	(2006)	(2007)	(2007)	(2006)	(2007)	(2007)	(2007)	(2006)	(2006)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 2005 - 2007	
Annual total	134,749		119,510			
Annual mean	369		327		330	
Highest annual mean					333	2006
Lowest annual mean					327	2007
Highest daily mean	1,340	Jan 18	1,180	Nov 16	1,340	Jan 18, 2006
Lowest daily mean	79	Dec 12	79	Dec 12	73	Dec 3, 2005
Annual seven-day minimum	114	Dec 1	114	Dec 1	99	Dec 1, 2005
Maximum peak flow			1,430	Nov 15	2,010	May 20, 2005
Maximum peak stage			3.56	Nov 15	4.33	May 20, 2005
Instantaneous low flow			^a 30	Sep 29	^a 15	Sep 21, 2006
10 percent exceeds	812		561		588	
50 percent exceeds	285		254		260	
90 percent exceeds	195		183		180	

^a See Remarks.

