

Water-Data Report 2007

**03508050 TUCKASEGEE RIVER AT SECONDARY ROAD 1172 NEAR CULLOWHEE, NC**

Upper Tennessee Basin  
Tuckasegee Subbasin

LOCATION.--Lat 35°17'16", long 83°08'38" referenced to North American Datum of 1983, Jackson County, NC, Hydrologic Unit 06010203, on left bank, 10 ft downstream from bridge on Secondary Road 1172, 3.0 mi southeast of Cullowhee and at river mile 47.3.

DRAINAGE AREA.--147 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

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

GAGE.--Water-stage recorder. Elevation of gage is 2,120 ft above NGVD of 1929 (from topographic map). Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Flow regulated by Cedar Cliff Lake and Bear Creek Lake. Minimum discharge for period of record and current water year affected by regulation.

## 03508050 TUCKASEGEE RIVER AT SECONDARY ROAD 1172 NEAR CULLOWHEE, NC—Continued

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	174	337	535	977	398	284	152	116	144	87	662	160
2	143	337	758	876	412	878	236	122	100	150	331	210
3	144	303	785	845	295	807	208	132	165	87	145	207
4	140	240	255	844	226	449	198	131	40	147	219	35
5	139	235	323	877	250	250	209	134	159	145	100	29
6	45	185	288	849	178	268	194	136	160	84	227	28
7	191	185	435	915	300	290	114	176	158	160	99	28
8	152	242	431	999	223	244	57	250	127	152	252	78
9	362	367	378	901	280	191	114	166	90	40	154	27
10	171	249	380	837	284	206	113	161	137	111	299	26
11	174	250	293	842	278	207	129	216	35	199	169	25
12	195	248	231	785	208	190	166	277	88	243	87	26
13	187	239	234	821	250	179	201	220	153	138	31	25
14	167	271	224	830	339	262	448	229	167	241	85	273
15	155	501	225	807	334	403	188	207	94	120	139	311
16	156	955	225	461	184	683	149	207	151	122	130	114
17	240	818	219	513	144	812	164	129	142	277	78	37
18	227	793	232	499	216	489	172	101	212	283	129	182
19	207	501	241	601	200	180	147	151	160	280	79	88
20	351	336	249	530	201	178	155	152	208	160	29	86
21	341	320	239	529	362	174	153	100	145	227	79	74
22	294	712	347	678	462	182	176	160	146	126	133	82
23	219	429	763	632	258	269	134	127	142	128	131	29
24	269	379	514	528	202	192	135	100	83	270	77	71
25	283	382	459	502	241	150	167	161	32	271	233	92
26	319	381	386	412	213	169	216	92	86	272	83	112
27	363	390	550	381	409	165	151	256	183	178	38	91
28	557	485	568	445	596	140	145	136	160	288	80	33
29	342	208	490	410	---	149	125	143	256	137	144	76
30	322	150	390	410	---	154	118	159	240	192	141	76
31	245	---	537	454	---	160	---	151	---	430	119	---
<b>Total</b>	7,274	11,428	12,184	20,990	7,943	9,354	5,034	4,998	4,163	5,745	4,702	2,731
<b>Mean</b>	235	381	393	677	284	302	168	161	139	185	152	91.0
<b>Max</b>	557	955	785	999	596	878	448	277	256	430	662	311
<b>Min</b>	45	150	219	381	144	140	57	92	32	40	29	25

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2007, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	387	423	610	598	365	313	272	257	458	547	352	747
<b>Max</b>	516	656	790	677	456	450	475	387	1,034	1,249	731	1,961
<b>(WY)</b>	(2005)	(2005)	(2005)	(2007)	(2006)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)
<b>Min</b>	235	230	393	544	284	186	168	161	139	185	152	91.0
<b>(WY)</b>	(2007)	(2006)	(2007)	(2005)	(2007)	(2006)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 2004 - 2007	
<b>Annual total</b>	109,584		96,546			
<b>Annual mean</b>	300		265		411	
<b>Highest annual mean</b>					644	2005
<b>Lowest annual mean</b>					265	2007
<b>Highest daily mean</b>	1,060	Jan 18	999	Jan 8	7,440	Sep 8, 2004
<b>Lowest daily mean</b>	45	Jun 19	25	Sep 11	25	Sep 11, 2007
<b>Annual seven-day minimum</b>	66	Apr 7	34	Sep 7	34	Sep 7, 2007
<b>Maximum peak flow</b>			1,140	Jan 8	11,500	Sep 8, 2004
<b>Maximum peak stage</b>			6.82	Jan 8	17.37	Sep 8, 2004
<b>Instantaneous low flow</b>			<sup>a</sup> 23	Sep 14	<sup>a</sup> 23	Sep 14, 2007
<b>10 percent exceeds</b>	542		532		828	
<b>50 percent exceeds</b>	242		202		310	
<b>90 percent exceeds</b>	114		86		113	

<sup>a</sup> See Remarks.

