

Water-Data Report 2010

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 mi².

SURFACE-WATER RECORDS

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

GAGE.--Water-stage recorder. Elevation of gage is 2,120 ft above National Geodetic Vertical Datum of 1929 (from topographic map). Satellite telemetry at streamgage.

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. Minimum discharge for period of record also occurred September 21, 22, 23, 24.

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	123	699	577	885	695	523	579	579	808	254	129	119
2	247	813	940	885	411	474	573	549	531	120	120	119
3	400	732	913	873	516	442	558	554	276	190	122	115
4	426	812	871	874	563	497	605	758	380	187	193	174
5	516	786	700	849	1,550	878	429	437	485	128	197	169
6	739	697	676	843	2,050	878	402	375	658	178	123	115
7	759	613	568	848	2,020	833	400	311	160	191	192	41
8	445	623	844	855	1,930	430	441	348	283	183	123	31
9	399	615	1,040	843	1,860	395	525	367	541	116	118	31
10	399	873	951	852	1,560	415	565	358	534	195	120	30
11	433	1,270	923	833	401	420	330	348	626	126	176	232
12	496	991	907	364	521	487	82	341	502	147	187	62
13	382	927	927	209	883	855	77	149	587	198	117	37
14	618	860	910	357	850	806	262	76	65	205	222	33
15	499	843	901	425	472	436	257	397	181	221	227	32
16	517	829	876	800	456	481	186	300	314	149	228	31
17	519	822	846	902	428	406	308	126	237	187	229	31
18	421	925	901	751	443	417	181	193	143	128	306	114
19	424	935	926	735	475	412	403	233	201	131	312	38
20	384	896	888	836	829	532	402	481	127	185	226	30
21	500	887	854	837	801	537	83	500	53	190	548	28
22	402	882	834	678	453	495	75	289	130	177	358	28
23	441	876	805	534	457	461	349	314	190	128	233	28
24	861	842	828	795	433	411	473	267	183	182	233	29
25	774	843	1,720	1,190	449	456	772	246	125	125	316	253
26	281	828	2,100	994	523	801	853	150	223	122	324	563
27	396	794	1,410	923	1,050	688	681	66	280	197	228	566
28	855	750	941	876	987	715	374	178	132	194	309	264
29	821	820	905	853	---	442	413	254	330	183	228	291
30	805	771	896	855	---	441	436	278	529	124	230	355
31	498	---	878	859	---	427	---	462	---	194	126	---
Total	15,780	24,854	29,256	24,213	24,066	16,891	12,074	10,284	9,814	5,235	6,800	3,989
Mean	509	828	944	781	860	545	402	332	327	169	219	133
Max	861	1,270	2,100	1,190	2,050	878	853	758	808	254	548	566
Min	123	613	568	209	401	395	75	66	53	116	117	28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	310	403	566	549	434	403	323	305	362	358	293	535
Max	516	828	944	781	860	643	475	537	1,034	1,249	731	1,961
(WY)	(2005)	(2010)	(2010)	(2010)	(2010)	(2008)	(2005)	(2009)	(2005)	(2005)	(2005)	(2004)
Min	93.0	145	249	292	199	186	168	161	124	131	152	91.0
(WY)	(2009)	(2008)	(2008)	(2008)	(2009)	(2006)	(2007)	(2007)	(2008)	(2008)	(2007)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 2004 - 2010	
Annual total	163,159		183,256			
Annual mean	447		502		384	
Highest annual mean					644	2005
Lowest annual mean					257	2008
Highest daily mean	2,690	Sep 21	2,100	Dec 26	7,440	Sep 8, 2004
Lowest daily mean	31	Sep 8	28	Sep 21	25	Sep 11, 2007
Annual seven-day minimum	70	Sep 7	42	Sep 18	34	Sep 7, 2007
Maximum peak flow			2,660	Feb 5	11,500	Sep 8, 2004
Maximum peak stage			9.02	Feb 5	17.37	Sep 8, 2004
Instantaneous low flow			^a 27	Sep 10	^a 16	Oct 17, 2007
10 percent exceeds	872		887		818	
50 percent exceeds	338		436		280	
90 percent exceeds	122		122		96	

^a See Remarks.

