

03510577 TUCKASEGEE RIVER AT BARKERS CREEK, NC

LOCATION.--Lat 35°23'04", long 83°17'30", Jackson County, Hydrologic Unit 06010203, on old truss bridge near left bank, 60 ft upstream from bridge on Secondary Road 1392, 0.1 mi upstream from Barkers Creek and at river mile 27.3

DRAINAGE AREA.--360 mi².

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

GAGE.--Water-stage recorder. Elevation of gage is 1,920 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.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,130	841	1,620	1,120	612	1,100	1,200	956	640	1,290	1,230	1,820
2	1,080	688	1,490	1,270	607	875	1,060	868	1,240	1,220	987	1,630
3	1,050	940	1,320	1,190	798	726	1,060	800	1,180	1,260	1,220	1,320
4	1,070	1,360	1,250	1,250	688	685	1,080	766	773	1,240	1,250	1,220
5	792	1,190	936	1,250	684	674	986	707	1,040	1,240	1,230	1,190
6	726	1,210	1,250	1,260	712	648	1,250	705	553	1,610	934	1,180
7	847	1,140	1,530	1,240	744	648	1,280	652	1,080	2,990	925	1,120
8	829	1,060	1,450	1,310	488	1,250	1,250	683	1,100	2,390	1,260	1,130
9	782	1,050	2,030	1,190	474	1,210	1,010	654	1,330	2,310	1,340	826
10	681	837	2,020	1,170	477	1,010	1,000	750	1,250	2,190	1,110	987
11	723	521	1,880	1,180	448	945	975	744	1,300	2,020	1,120	967
12	695	1,160	1,690	718	441	905	1,200	685	2,380	3,180	1,130	802
13	969	1,400	1,560	762	463	897	1,370	834	6,900	2,880	1,310	676
14	812	1,250	1,500	1,710	573	930	1,720	954	3,180	2,510	1,170	669
15	393	1,190	1,500	1,120	580	761	1,260	1,080	2,290	2,360	1,080	552
16	652	1,030	1,200	1,050	679	916	1,120	1,150	1,550	2,100	974	609
17	772	927	1,440	1,040	583	966	1,250	763	1,500	1,550	970	601
18	983	839	1,420	1,050	636	1,140	1,050	835	1,530	1,480	1,330	476
19	995	879	1,390	1,020	635	840	747	791	1,520	1,420	1,360	473
20	849	770	1,350	1,020	778	828	746	1,350	1,630	1,700	1,180	500
21	824	716	1,360	945	1,470	789	713	1,300	1,520	2,130	1,040	878
22	808	706	1,290	748	1,730	772	1,010	1,210	1,420	2,480	1,060	898
23	615	870	1,680	717	1,500	1,020	1,030	915	1,190	1,570	976	890
24	859	1,970	1,490	713	1,520	1,270	949	753	1,210	1,500	953	535
25	738	2,050	1,420	763	1,220	1,190	993	770	1,190	1,310	1,000	308
26	673	1,690	1,400	709	1,030	887	1,070	666	1,180	1,310	870	386
27	538	1,540	1,380	679	1,000	905	1,090	625	980	1,320	1,200	550
28	451	1,480	1,360	572	1,160	1,210	987	640	1,380	1,120	1,220	493
29	863	1,420	1,350	701	---	1,350	796	715	1,490	1,510	1,230	503
30	536	1,330	1,330	663	---	1,410	1,040	640	1,330	1,390	2,610	482
31	860	---	1,320	612	---	1,410	---	573	---	1,330	1,950	---
TOTAL	24,595	34,054	45,206	30,742	22,730	30,167	32,292	25,534	46,856	55,910	37,219	24,671
MEAN	793	1,135	1,458	992	812	973	1,076	824	1,562	1,804	1,201	822
MAX	1,130	2,050	2,030	1,710	1,730	1,410	1,720	1,350	6,900	3,180	2,610	1,820
MIN	393	521	936	572	441	648	713	573	553	1,120	870	308

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

	2004	2005	2005	2005	2005	2005	2005	2005	2005	2005	2004	2005
MEAN	793	1,135	1,458	992	812	973	1,076	824	1,562	1,192	882	1,851
MAX	793	1,135	1,458	992	812	973	1,076	824	1,562	1,804	1,201	2,879
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)
MIN	793	1,135	1,458	992	812	973	1,076	824	1,562	580	564	822
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2005)

SUMMARY STATISTICS

	FOR 2005 WATER YEAR		WATER YEARS 2004 - 2005	
ANNUAL TOTAL	409,976			
ANNUAL MEAN	1,123		1,123	
HIGHEST ANNUAL MEAN			1,123	
LOWEST ANNUAL MEAN			1,123	
HIGHEST DAILY MEAN	6,900	Jun 13	12,600	Sep 17, 2004
LOWEST DAILY MEAN	308	Sep 25	252	Aug 23, 2004
ANNUAL SEVEN-DAY MINIMUM	465	Sep 24	337	Aug 14, 2004
MAXIMUM PEAK FLOW	11,200	Jun 13	15,800	Sep 17, 2004
MAXIMUM PEAK STAGE	10.90	Jun 13	13.26	Sep 17, 2004
INSTANTANEOUS LOW FLOW	295*	Sep 26	169*	Aug 23, 2004
10 PERCENT EXCEEDS	1,560		1,560	
50 PERCENT EXCEEDS	1,060		1,060	
90 PERCENT EXCEEDS	636		636	

* See REMARKS.

03510577 TUCKASEGEE RIVER AT BARKERS CREEK, NC—Continued

