

TENNESSEE RIVER BASIN

03500000 LITTLE TENNESSEE RIVER NEAR PRENTISS, NC

LOCATION.--Lat 35°08'59", long 83°22'47", Macon County, Hydrologic Unit 06010202, on left bank 600 ft upstream from Owenby Branch, 0.5 mi upstream from Cartoogechaye Creek, 2 mi north of Prentiss, and at mile 119.5.

DRAINAGE AREA.--140 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1943 to current year. Monthly discharge only for some periods, published in WSP 1306.

REVISED RECORDS.--WSP 1236: 1949(M).

GAGE.--Water-stage recorder. Datum of gage is 2,008.39 ft above NGVD of 1929 (levels by Tennessee Valley Authority). Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Minimum discharge for period of record also occurred Aug. 30, 31, Sept. 16, 17, 2000. Minimum discharge for current water year also occurred Sept. 13.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in October 1898 reached a stage of about 15 ft, from profiles by Tennessee Valley Authority.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	147	138	195	172	335	205	559	409	280	150	103	103
2	140	139	171	169	309	346	462	341	221	146	110	96
3	135	136	160	e165	293	529	416	334	206	149	125	92
4	130	135	152	e163	283	341	382	915	199	148	103	92
5	128	133	147	e163	266	298	358	692	351	136	96	88
6	157	130	146	220	300	282	339	484	307	126	90	85
7	146	128	144	235	527	269	324	414	260	138	86	81
8	130	128	141	188	407	258	315	375	225	125	81	79
9	125	128	139	179	352	261	411	350	209	119	79	76
10	124	126	177	179	331	275	483	340	198	123	76	72
11	125	125	292	182	312	246	402	329	188	134	77	70
12	140	123	202	174	294	311	375	312	183	148	76	67
13	181	122	203	169	282	508	380	324	180	193	70	67
14	481	121	234	164	270	415	378	332	181	302	69	114
15	361	122	230	163	263	357	394	290	183	187	73	495
16	244	120	204	158	259	340	356	278	170	167	120	314
17	207	120	213	156	249	337	341	271	166	147	114	169
18	189	120	383	157	242	332	331	397	158	139	116	145
19	179	118	272	371	235	310	327	298	153	132	111	139
20	172	118	237	593	257	302	313	276	151	126	98	135
21	165	116	215	482	267	394	302	265	152	123	87	294
22	160	116	201	395	242	342	290	258	143	120	81	450
23	155	122	210	858	233	315	276	252	151	125	82	300
24	152	253	290	752	227	302	272	248	164	146	81	214
25	159	283	228	1070	220	290	323	240	153	170	157	222
26	146	216	214	681	220	350	280	229	265	141	154	880
27	141	175	204	524	213	409	273	256	185	128	322	1890
28	140	164	196	443	e210	334	272	264	162	119	144	1140
29	140	152	191	397	---	316	272	230	159	115	120	575
30	141	206	182	362	---	534	251	219	162	106	109	427
31	140	---	177	338	---	650	---	222	---	102	107	---
TOTAL	5280	4333	6350	10422	7898	10758	10457	10444	5865	4430	3317	8971
MEAN	170.3	144.4	204.8	336.2	282.1	347.0	348.6	336.9	195.5	142.9	107.0	299.0
MAX	481	283	383	1070	527	650	559	915	351	302	322	1890
MIN	124	116	139	156	210	205	251	219	143	102	69	67
CFSM	1.22	1.03	1.46	2.40	2.01	2.48	2.49	2.41	1.40	1.02	0.76	2.14
IN.	1.40	1.15	1.69	2.77	2.10	2.86	2.78	2.78	1.56	1.18	0.88	2.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2002, BY WATER YEAR (WY)

	MEAN	246.0	296.7	386.8	484.7	559.1	603.0	557.6	423.0	337.5	252.4	235.9	219.4
MAX	1078	815	841	1008	1252	1199	1014	999	694	772	695	671	
(WY)	1965	1980	1962	1946	1990	1952	1964	1976	1949	1989	1974	1950	
MIN	70.5	101	153	120	222	244	172	157	110	94.8	78.3	80.2	
(WY)	1955	1955	2001	1981	1986	1988	1986	1986	1988	1986	1986	1954	

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1944 - 2002

ANNUAL TOTAL	74550	88525	
ANNUAL MEAN	204.2	242.5	382.9
HIGHEST ANNUAL MEAN			588
LOWEST ANNUAL MEAN			173
HIGHEST DAILY MEAN	975	Jan 19	1890
LOWEST DAILY MEAN	75	Sep 18	67
ANNUAL SEVEN-DAY MINIMUM	81	Sep 13	73
MAXIMUM PEAK FLOW			2140
MAXIMUM PEAK STAGE			5.79
INSTANTANEOUS LOW FLOW			64*
ANNUAL RUNOFF (CFSM)	1.46	1.73	2.73
ANNUAL RUNOFF (INCHES)	19.81	23.52	37.16
10 PERCENT EXCEEDS	334	397	695
50 PERCENT EXCEEDS	171	201	302
90 PERCENT EXCEEDS	111	111	127

e Estimated.  
\* See REMARKS.

03500000 LITTLE TENNESSEE RIVER NEAR PRENTISS, NC--Continued

