

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 mi².

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 sea level (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.

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	71	119	e114	234	325	373	202	290	361	186	125
2	75	72	113	e112	218	305	336	179	286	268	176	123
3	73	73	115	e110	205	294	329	171	199	238	201	136
4	71	73	112	e109	199	344	319	165	174	278	169	153
5	71	75	105	e106	194	323	300	161	158	273	195	146
6	70	73	102	e104	186	290	289	160	150	220	171	113
7	68	76	100	e100	181	273	277	173	156	195	146	102
8	65	88	98	129	177	262	266	162	173	183	150	96
9	67	614	96	121	175	254	256	160	171	176	129	93
10	67	545	96	e104	206	242	248	166	154	166	150	96
11	68	190	96	e104	182	236	240	164	147	154	137	96
12	68	138	94	149	191	271	233	163	138	142	133	89
13	69	117	92	136	195	424	280	152	133	136	242	86
14	69	106	165	121	228	315	261	143	125	132	305	83
15	68	97	139	120	224	476	251	138	138	125	226	79
16	69	94	211	114	240	439	251	136	127	120	174	77
17	67	129	652	111	399	369	227	131	118	118	151	77
18	67	110	302	163	294	333	218	128	111	117	140	75
19	67	105	236	975	260	312	212	124	108	113	127	87
20	69	110	e210	876	241	471	209	141	111	117	117	313
21	72	103	171	461	233	546	205	143	113	118	109	201
22	73	95	e157	356	300	436	200	155	131	111	103	124
23	73	94	e148	307	284	392	196	177	171	103	100	107
24	73	96	e143	276	251	359	193	142	120	100	99	927
25	72	388	134	249	570	340	195	227	145	145	98	463
26	75	306	128	227	585	320	187	202	654	157	105	271
27	76	196	127	219	417	307	180	156	434	128	101	216
28	74	158	e122	206	361	296	176	158	351	132	97	187
29	73	139	e120	199	---	416	171	187	251	138	96	167
30	75	128	e118	336	---	593	181	155	568	142	93	156
31	71	---	e116	270	---	424	---	143	---	250	112	---
TOTAL	2191	4659	4737	7084	7430	10987	7259	4964	6105	5156	4538	5064
MEAN	70.7	155	153	229	265	354	242	160	204	166	146	169
MAX	76	614	652	975	585	593	373	227	654	361	305	927
MIN	65	71	92	100	175	236	171	124	108	100	93	75
CFSM	.50	1.11	1.09	1.63	1.90	2.53	1.73	1.14	1.45	1.19	1.05	1.21
IN.	.58	1.24	1.26	1.88	1.97	2.92	1.93	1.32	1.62	1.37	1.21	1.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2001, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
MEAN	247	299	390	487	564
MAX	1078	815	841	1008	1252
(WY)	1965	1980	1962	1946	1990
MIN	70.5	101	153	120	222
(WY)	1955	1955	2001	1981	1986

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1944 - 2001
ANNUAL TOTAL	76934	70174	
ANNUAL MEAN	210	192	385
HIGHEST ANNUAL MEAN			588
LOWEST ANNUAL MEAN			173
HIGHEST DAILY MEAN	1600	Apr 4	7280
LOWEST DAILY MEAN	52	Aug 30	52
ANNUAL SEVEN-DAY MINIMUM	58	Sep 14	67
MAXIMUM PEAK FLOW			1690
MAXIMUM PEAK STAGE		4.79	Jan 19
INSTANTANEOUS LOW FLOW		63	Oct 8
ANNUAL RUNOFF (CFSM)	1.50	1.37	2.75
ANNUAL RUNOFF (INCHES)	20.44	18.65	37.40
10 PERCENT EXCEEDS	386	336	700
50 PERCENT EXCEEDS	159	155	304
90 PERCENT EXCEEDS	69	76	127

e Estimated.
* See REMARKS.

03500000 LITTLE TENNESSEE RIVER NEAR PRENTISS, NC--Continued

