

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 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 Oct. 15.

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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	360	223	274	674	308	547	401	524	446	548	387	811
2	312	214	266	557	294	511	390	480	427	1,730	409	490
3	281	207	262	590	283	470	382	460	466	911	457	422
4	259	207	292	522	395	444	375	433	521	681	434	425
5	265	246	645	484	343	434	479	551	441	594	496	394
6	238	372	439	456	318	860	433	2,050	411	589	404	361
7	221	280	372	430	351	638	639	2,270	1,300	630	406	343
8	209	254	344	418	333	550	556	1,520	1,080	542	389	353
9	201	241	323	404	314	509	543	1,060	735	504	382	333
10	201	284	317	390	346	474	714	889	612	527	369	322
11	263	700	443	373	333	449	730	818	551	518	401	313
12	224	652	369	361	312	432	599	733	542	458	369	304
13	204	509	443	353	298	422	534	660	578	478	386	294
14	191	419	515	347	329	410	493	617	517	482	374	288
15	255	381	429	336	487	408	468	607	489	439	402	307
16	785	682	393	e328	496	469	447	579	457	415	381	287
17	406	648	368	e322	571	422	446	598	503	404	392	279
18	325	495	348	e312	463	432	664	639	617	592	516	273
19	287	431	355	e306	414	512	551	581	620	431	395	265
20	266	396	943	e300	387	923	499	540	514	407	360	261
21	252	470	579	e294	374	736	542	590	456	383	343	256
22	237	430	489	e288	1,290	598	535	1,290	426	444	353	761
23	224	384	438	e285	954	539	483	986	404	453	356	1,190
24	217	362	1,090	e279	663	497	459	805	386	387	323	535
25	214	343	898	e273	563	472	462	691	371	363	308	426
26	227	328	656	e270	552	453	494	635	358	345	298	379
27	210	318	568	e267	674	436	443	583	357	336	290	356
28	225	305	517	266	621	423	425	545	356	330	288	358
29	275	295	479	320	---	415	435	521	349	318	305	326
30	263	287	450	385	---	469	549	495	350	387	465	312
31	239	---	437	330	---	422	---	470	---	395	365	---
TOTAL	8,336	11,363	14,741	11,520	13,066	15,776	15,170	24,220	15,640	16,021	11,803	12,024
MEAN	269	379	476	372	467	509	506	781	521	517	381	401
MAX	785	700	1,090	674	1,290	923	730	2,270	1,300	1,730	516	1,190
MIN	191	207	262	266	283	408	375	433	349	318	288	256
CFSM	1.92	2.71	3.40	2.65	3.33	3.64	3.61	5.58	3.72	3.69	2.72	2.86
IN.	2.21	3.02	3.92	3.06	3.47	4.19	4.03	6.44	4.16	4.26	3.14	3.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2003, BY WATER YEAR (WY)

MEAN	246	298	388	483	558	601	557	429	341	257	238	222
MAX	1,078	815	841	1,008	1,252	1,199	1,014	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)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1944 - 2003	
ANNUAL TOTAL	107,002		169,680			
ANNUAL MEAN	293		465		384	
HIGHEST ANNUAL MEAN					588	
LOWEST ANNUAL MEAN					173	
HIGHEST DAILY MEAN	1,890	Sep 27	2,270	May 7	7,280	Oct 5, 1964
LOWEST DAILY MEAN	67	Sep 12	191	Oct 14	52	Aug 30, 2000
ANNUAL SEVEN-DAY MINIMUM	73	Sep 7	213	Oct 8	58	Sep 14, 2000
MAXIMUM PEAK FLOW			2,610	May 7	12,200	Oct 4, 1964
MAXIMUM PEAK STAGE			6.77	May 7	17.30	Oct 4, 1964
INSTANTANEOUS LOW FLOW			186*	Oct 14	52*	Sep 17, 1999
ANNUAL RUNOFF (CFSM)	2.09		3.32		2.74	
ANNUAL RUNOFF (INCHES)	28.43		45.09		37.29	
10 PERCENT EXCEEDS	486		663		695	
50 PERCENT EXCEEDS	265		422		305	
90 PERCENT EXCEEDS	111		267		128	

e Estimated.
 * See REMARKS.

