

TENNESSEE RIVER BASIN

03528000 CLINCH RIVER ABOVE TAZEWell, TN

LOCATION.--Lat 36°25'30", long 83°23'54", Claiborne County, Hydrologic Unit 06010205, on right bank 0.4 mi upstream from Grissom Island, 4.6 mi downstream from Big War Creek, 10 mi east of Tazewell, and at mile 159.8.

DRAINAGE AREA.--1,474 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1918 to current year. Published as "near Lone Mountain" October 1918 to September 1927; as "near Tazewell" August 1927 to December 1936; and as "above Tazewell" July 1935 to current year. Prior to April 1919, monthly discharge only, published in WSP 1306. Gage-height record "near Tazewell" January 1937 to July 1941.

REVISED RECORDS.--WSP 803: Drainage area at site "near Tazewell". WSP 1306: Drainage area at site "near Lone Mountain". WSP 1336: 1928.

GAGE.--Data collection platform. Datum of gage is 1,060.7 ft above sea level. April 1, 1919, to Sept. 30, 1927, nonrecording gage on railroad bridge 23.3 mi downstream at datum 102.7 ft lower. Aug. 8, 1927, to July 16, 1941, water-stage recorder at site 8.0 mi downstream at datum 47.2 ft lower. Water-stage recorder at present site and datum since July 29, 1935.

REMARKS.--No estimated daily discharges. Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in February 1862 reached a stage of about 24 ft, present site and datum, from information by local resident, discharge, about 66,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 14,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 25	1530	*10,500	*8.01				

Minimum discharge, 109 ft³/s, Sept. 26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	244	206	221	707	1680	7150	1490	2110	527	871	568	198
2	236	207	221	672	1760	5550	1520	1750	499	744	989	188
3	300	213	216	1200	1750	5370	1460	1490	488	598	874	177
4	329	218	208	2770	1600	7940	1390	1310	475	472	914	167
5	330	216	208	2780	1460	7970	1300	1180	441	404	705	159
6	281	217	216	1970	1310	5840	1200	1600	412	384	554	155
7	254	212	233	1370	1220	4890	1120	2780	386	349	458	153
8	289	217	312	1160	1230	4540	1050	2710	366	343	398	152
9	275	218	832	2490	1220	3990	1030	2090	347	335	361	158
10	278	227	1630	5180	1160	3650	988	1820	330	287	338	219
11	285	265	1320	3740	1100	3610	1010	1550	318	450	323	300
12	298	272	931	2660	1050	3330	1750	1280	331	656	311	250
13	302	266	2290	1960	1020	2980	2800	1120	312	551	294	232
14	282	282	2490	1690	1040	2830	2620	1020	290	555	274	214
15	253	271	2240	4650	1030	3570	2130	1080	284	490	258	198
16	236	256	1580	7230	976	4690	2080	1080	279	472	244	178
17	225	244	1100	5340	994	4760	2040	984	279	398	230	156
18	216	234	822	4510	1140	4770	1850	882	271	390	219	143
19	209	231	675	5520	1350	4480	1620	871	263	375	213	132
20	208	223	595	5050	2990	3880	1470	911	258	395	220	129
21	214	218	539	3680	3350	3340	1350	927	253	498	228	125
22	211	212	525	2760	2850	2950	1240	864	246	559	229	123
23	205	208	552	2630	2360	2630	1140	808	236	702	223	119
24	197	206	1410	5570	2010	2330	1060	749	238	483	245	117
25	196	207	1880	9900	1750	2090	984	784	301	1260	275	112
26	198	222	1630	7660	1590	1960	945	1050	327	1190	284	111
27	201	228	1270	4520	1480	1950	942	1030	337	839	264	115
28	203	227	1010	3260	3650	1960	1030	853	476	682	240	123
29	203	221	860	2570	---	1760	1490	719	853	629	232	139
30	203	221	783	2110	---	1580	2400	632	1020	536	219	148
31	204	---	742	1770	---	1450	---	570	---	466	205	---
TOTAL	7565	6865	29541	109079	46120	119790	44499	38604	11443	17363	11389	4890
MEAN	244	229	953	3519	1647	3864	1483	1245	381	560	367	163
MAX	330	282	2490	9900	3650	7970	2800	2780	1020	1260	989	300
MIN	196	206	208	672	976	1450	942	570	236	287	205	111
MED	236	221	822	2770	1400	3610	1370	1050	328	490	274	154
CFM	.17	.16	.65	2.39	1.12	2.62	1.01	.84	.26	.38	.25	.11
IN.	.19	.17	.75	2.75	1.16	3.02	1.12	.97	.29	.44	.29	.12

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 1999, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	658	1106	2346	3485	4141	4313	3093	2311	1291	953	860	529
MAX	2871	4794	9107	9500	9426	11950	8860	6382	3865	3251	4411	2939
(WY)	1990	1978	1927	1937	1957	1963	1977	1929	1989	1938	1942	1989
MIN	145	159	217	285	572	990	711	547	301	239	169	136
(WY)	1964	1940	1940	1940	1941	1988	1986	1941	1988	1988	1925	1955

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1919 - 1999
ANNUAL TOTAL	891100	447148	
ANNUAL MEAN	2441	1225	2082
HIGHEST ANNUAL MEAN			3269
LOWEST ANNUAL MEAN			850
HIGHEST DAILY MEAN	33800	Apr 18	9900
LOWEST DAILY MEAN	196	Oct 25	111
ANNUAL SEVEN-DAY MINIMUM	200	Oct 24	117
INSTANTANEOUS PEAK FLOW			10500
INSTANTANEOUS PEAK STAGE			8.01
INSTANTANEOUS LOW FLOW			109
ANNUAL RUNOFF (CFSM)	1.66	.83	1.41
ANNUAL RUNOFF (INCHES)	22.49	11.28	19.19
10 PERCENT EXCEEDS	5610	2980	4670
50 PERCENT EXCEEDS	1330	632	1110
90 PERCENT EXCEEDS	217	206	268

a From Floodmarks.

