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 mi^2.

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 NGVD of 1929. 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. Periodic observations of water temperature and specific conductance are published in this report as miscellaneous water-quality data.

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 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 14,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 2	0400	14,300	9.64	Dec 11	0500	*18,500	*11.25

Minimum discharge, 145 ft^3/s, Sept. 25, 26.

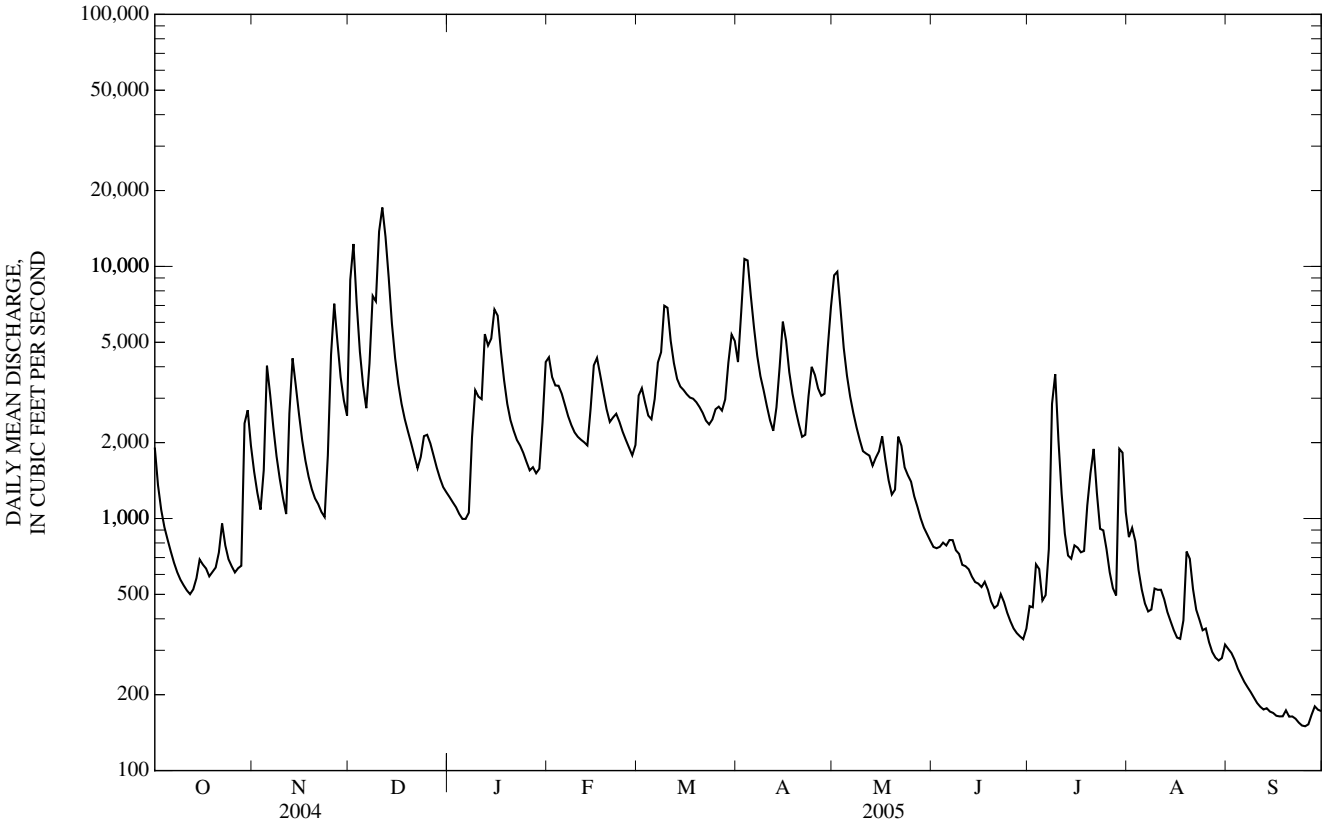
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,910	1,530	8,850	1,220	4,360	3,080	4,170	9,220	771	449	844	304
2	1,360	1,270	12,300	1,160	3,640	3,290	6,580	9,530	762	444	918	293
3	1,080	1,080	7,150	1,110	3,370	2,890	10,700	6,760	773	658	812	275
4	925	1,560	4,590	1,040	3,360	2,560	10,600	4,750	802	630	624	253
5	824	4,040	3,380	996	3,130	2,480	7,640	3,690	782	473	523	239
6	739	3,100	2,740	996	2,820	2,980	5,710	3,040	822	497	460	225
7	667	2,300	4,120	1,050	2,550	4,160	4,420	2,620	821	757	428	214
8	612	1,760	7,640	2,100	2,350	4,570	3,670	2,300	748	2,850	436	205
9	572	1,440	7,270	3,230	2,200	6,990	3,230	2,050	724	3,740	528	195
10	544	1,210	13,800	3,040	2,110	6,860	2,790	1,850	655	2,040	521	185
11	519	1,040	17,100	2,980	2,050	5,070	2,450	1,810	647	1,250	522	179
12	501	2,610	13,100	5,390	2,010	4,130	2,230	1,780	629	871	479	175
13	524	4,320	9,020	4,850	1,950	3,580	2,760	1,620	588	713	426	177
14	580	3,370	5,930	5,170	2,720	3,340	3,990	1,740	560	692	391	171
15	688	2,600	4,330	6,750	4,050	3,240	6,040	1,850	552	782	360	169
16	657	2,040	3,410	6,380	4,340	3,110	5,080	2,120	535	766	337	165
17	633	1,700	2,850	4,620	3,710	3,020	3,810	1,710	561	734	333	164
18	590	1,460	2,480	3,540	3,160	2,990	3,130	1,420	521	744	394	164
19	614	1,310	2,220	2,850	2,710	2,890	2,690	1,240	468	1,130	739	173
20	639	1,200	1,990	2,460	2,420	2,770	2,370	1,300	442	1,510	692	164
21	733	1,140	1,770	2,230	2,520	2,620	2,110	2,110	453	1,890	525	164
22	955	1,060	1,580	2,050	2,600	2,450	2,150	1,940	501	1,260	435	161
23	782	1,010	1,760	1,950	2,420	2,360	3,050	1,600	467	910	397	155
24	689	1,780	2,120	1,820	2,210	2,470	4,000	1,490	423	897	360	151
25	646	4,460	2,150	1,680	2,050	2,710	3,710	1,400	392	756	366	150
26	611	7,110	1,990	1,550	1,910	2,780	3,280	1,230	366	612	323	153
27	635	5,020	1,780	1,600	1,780	2,680	3,070	1,110	351	529	295	166
28	649	3,640	1,590	1,510	1,960	2,970	3,130	1,000	341	495	281	180
29	2,390	2,940	1,440	1,580	---	4,150	4,740	921	332	1,890	273	174
30	2,690	2,560	1,330	2,410	---	5,370	6,890	867	366	1,820	279	172
31	1,950	---	1,270	4,180	---	5,060	---	816	---	1,060	316	---
TOTAL	27,908	71,660	153,050	83,492	76,460	109,620	130,190	76,884	17,155	33,849	14,617	5,715
MEAN	900	2,389	4,937	2,693	2,731	3,536	4,340	2,480	572	1,092	472	190
MAX	2,690	7,110	17,100	6,750	4,360	6,990	10,700	9,530	822	3,740	918	304
MIN	501	1,010	1,270	996	1,780	2,360	2,110	816	332	444	273	150
MED	657	1,770	2,850	2,100	2,530	3,020	3,690	1,780	556	766	428	174
CFSM	0.61	1.62	3.35	1.83	1.85	2.40	2.94	1.68	0.39	0.74	0.32	0.13
IN.	0.70	1.81	3.86	2.11	1.93	2.77	3.29	1.94	0.43	0.85	0.37	0.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 2005, BY WATER YEAR (WY)

MEAN	640	1,133	2,338	3,396	4,097	4,227	3,130	2,280	1,328	982	865	531
MAX	2,871	4,794	9,107	9,500	9,426	11,950	8,860	6,382	4,876	3,251	4,411	2,939
(WY)	(1990)	(1978)	(1927)	(1937)	(1957)	(1963)	(1977)	(1929)	(2004)	(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)

03528000 CLINCH RIVER ABOVE TAZEWELL, TN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1919 - 2005	
ANNUAL TOTAL	973,648		800,600			
ANNUAL MEAN	2,660		2,193		2,070	
HIGHEST ANNUAL MEAN					3,269	1927
LOWEST ANNUAL MEAN					850	1941
HIGHEST DAILY MEAN	17,100	Dec 11	17,100	Dec 11	83,300	Apr 5, 1977
LOWEST DAILY MEAN	341	Sep 6	150	Sep 25	108	Sep 11, 1925
ANNUAL SEVEN-DAY MINIMUM	401	Sep 2	157	Sep 20	116	Sep 17, 1955
MAXIMUM PEAK FLOW			18,500	Dec 11	98,100	Apr 5, 1977
MAXIMUM PEAK STAGE			11.25	Dec 11	a29.32	Apr 5, 1977
INSTANTANEOUS LOW FLOW			b145	Sep 25	108	Sep 11, 1925
ANNUAL RUNOFF (CFSM)	1.80		1.49		1.40	
ANNUAL RUNOFF (INCHES)	24.57		20.21		19.08	
10 PERCENT EXCEEDS	5,800		4,600		4,630	
50 PERCENT EXCEEDS	1,890		1,600		1,110	
90 PERCENT EXCEEDS	609		328		265	

a From floodmarks.
b Also occurred on Sept. 26.