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 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. 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)
Feb 18	0200	14,500	9.74	Jul 30	1030	*22,200	*12.56

Minimum discharge, 161 ft^3/s, Jan. 10.

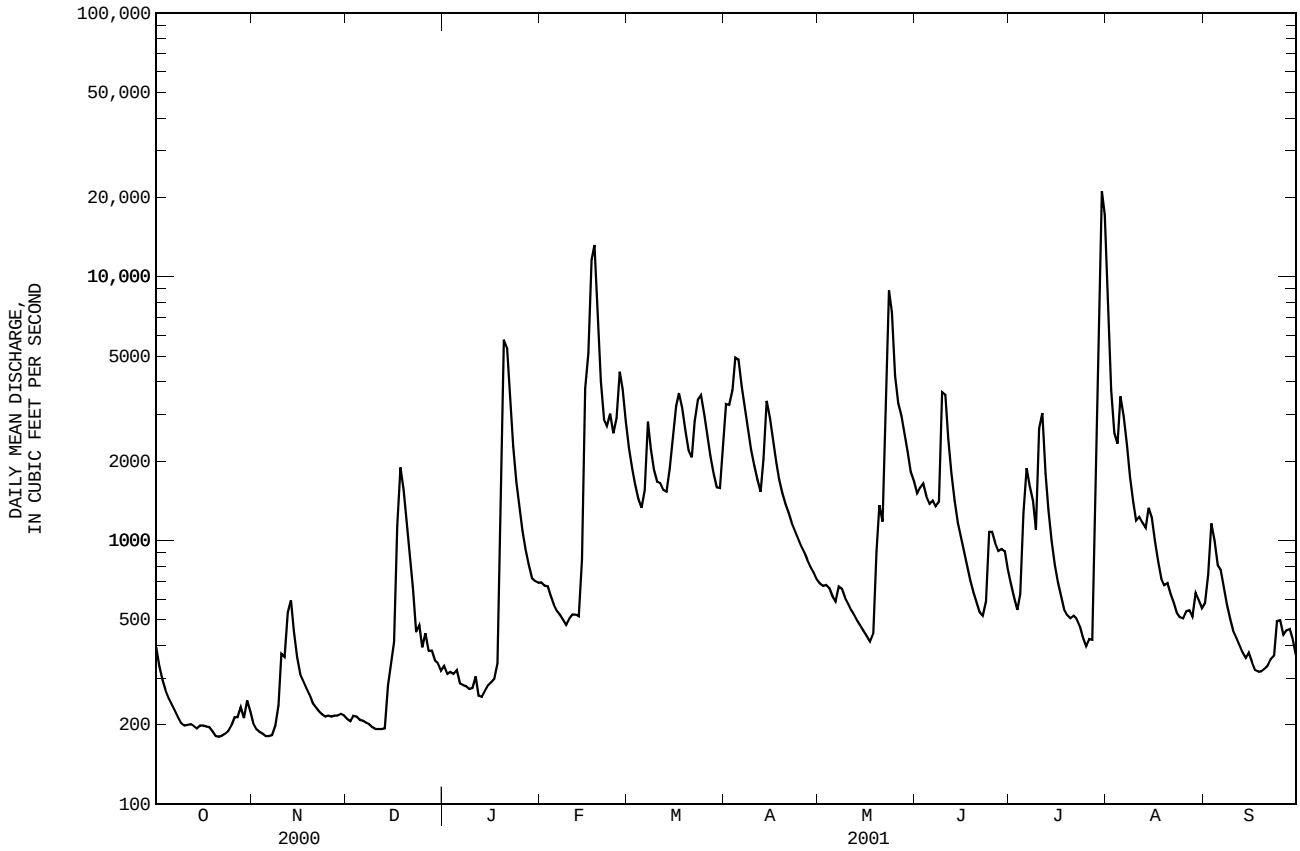
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	394	203	210	334	694	2230	3290	686	1510	683	7260	576
2	332	193	206	312	675	1870	3270	672	1580	607	3730	742
3	295	188	216	317	670	1630	3710	679	1640	546	2550	1160
4	271	185	215	312	618	1440	4930	659	1470	627	2330	1000
5	253	181	209	322	572	1330	4860	613	1380	1270	3520	806
6	239	181	207	287	541	1550	3840	588	1420	1880	2970	776
7	226	183	204	283	521	2820	3130	669	1350	1600	2330	660
8	213	198	201	280	499	2230	2610	655	1400	1410	1740	568
9	203	237	196	273	478	1850	2220	607	3660	1100	1400	503
10	199	372	193	276	505	1670	1930	575	3580	2660	1190	456
11	200	362	193	305	524	1650	1700	546	2450	3040	1230	429
12	201	533	193	258	523	1550	1530	522	1800	1800	1170	401
13	198	593	194	255	516	1530	2040	494	1420	1310	1120	376
14	194	454	282	269	845	1870	3380	473	1170	998	1330	359
15	199	363	341	283	3770	2440	2930	454	1030	809	1220	375
16	199	312	412	291	5150	3230	2400	433	908	691	992	346
17	197	293	1140	299	11600	3620	1980	414	798	610	832	322
18	196	275	1890	342	13200	3180	1700	443	705	549	716	318
19	189	261	1550	1990	7170	2620	1510	908	634	521	677	319
20	181	242	1130	5770	4010	2200	1370	1360	579	507	687	326
21	180	233	870	5380	2880	2070	1270	1180	534	518	626	335
22	182	225	659	3510	2720	2830	1170	4130	518	506	579	356
23	185	219	450	2290	3030	3410	1090	8870	586	474	532	367
24	189	215	477	1670	2550	3550	1020	7370	1080	428	511	494
25	199	217	393	1320	2910	3010	953	4220	1080	397	506	498
26	214	215	445	1090	4370	2510	903	3310	978	423	539	439
27	214	217	381	923	3750	2100	846	2970	912	421	544	456
28	233	217	382	806	2820	1800	796	2520	927	1820	516	461
29	212	220	351	719	---	1590	756	2180	910	6760	635	423
30	247	217	343	702	---	1580	711	1820	780	21100	594	368
31	225	---	321	692	---	2300	---	1680	---	17200	553	---
TOTAL	6859	8004	14454	32160	78111	69260	63845	52700	38789	73265	45129	15015
MEAN	221	267	466	1037	2790	2234	2128	1700	1293	2363	1456	500
MAX	394	593	1890	5770	13200	3620	4930	8870	3660	21100	7260	1160
MIN	180	181	193	255	478	1330	711	414	518	397	506	318
MED	201	220	341	322	1700	2100	1820	672	1080	691	992	434
CFSM	.15	.18	.32	.70	1.89	1.52	1.44	1.15	.88	1.60	.99	.34
IN.	.17	.20	.36	.81	1.97	1.75	1.61	1.33	.98	1.85	1.14	.38

03528000 CLINCH RIVER ABOVE TAZEWELL, TN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	647	1087	2301	3423	4101	4262	3083	2288	1281	972	866	527
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1919 - 2001	
ANNUAL TOTAL	398766		497591			
ANNUAL MEAN	1090		1363		2061	
HIGHEST ANNUAL MEAN					3269	1927
LOWEST ANNUAL MEAN					850	1941
HIGHEST DAILY MEAN	10500	Apr 5	21100	Jul 30	83300	Apr 5 1977
LOWEST DAILY MEAN	180	Oct 21	180	Oct 21	108	Sep 11 1925
ANNUAL SEVEN-DAY MINIMUM	186	Oct 18	186	Oct 18	116	Sep 17 1955
MAXIMUM PEAK FLOW			22200	Jul 30	98100	Apr 5 1977
MAXIMUM PEAK STAGE			12.56	Jul 30	a29.32	Apr 5 1977
INSTANTANEOUS LOW FLOW			161	Jan 10	108	Sep 11 1925
ANNUAL RUNOFF (CFSM)	.74		.92		1.40	
ANNUAL RUNOFF (INCHES)	10.06		12.56		19.00	
10 PERCENT EXCEEDS	2610		3150		4620	
50 PERCENT EXCEEDS	607		659		1100	
90 PERCENT EXCEEDS	211		211		265	

a From floodmarks.