03112000 WHEELING CREEK AT ELM GROVE, WV

LOCATION.--Lat 40°02'40", long 80°39'40", Ohio County, Hydrologic Unit 05030106, on right bank at highway bridge at Elm Grove, 500 ft downstream from Little Wheeling Creek, and at mile 7.8.

DRAINAGE AREA.--281 mi^2.

PERIOD OF RECORD.--October 1940 to current year. Monthly discharge only for October 1940, published in WSP 1907.

REVISED RECORDS.--WSP 1305: 1941(M). WDR WV-97-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 667.59 ft above sea level.

REMARKS.--Records good except those for periods of estimated daily discharges (ice effect), which are poor. U.S. Army Corps of Engineers satellite telemeter at station. The flow from 205 mi^2 upstream from station is partially controlled, but not diverted, by seven floodwater detention reservoirs with a total combined detention capacity of 24,148 acre-ft. Cummulative detention as construction progressed 1975 to 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,320 ft^3/s, June 6, gage height, 5.25 ft; minimum discharge, 13 ft^3/s, Nov. 24, gage height, 1.28 ft.

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	31	22	94	e78	1630	167	314	206	495	129	29	527
2	25	20	e90	e75	908	160	296	191	1120	187	47	223
3	22	19	84	e72	570	154	267	178	2090	198	40	109
4	18	20	e72	e70	448	170	237	165	1180	143	32	69
5	20	20	64	e67	386	410	216	148	751	348	52	48
6	36	19	e56	e65	340	519	389	132	2820	474	37	36
7	44	19	e50	e64	305	419	893	121	3040	206	28	29
8	44	19	e46	e62	275	348	691	113	1910	1240	24	26
9	33	27	e42	e60	285	374	593	111	1050	948	21	23
10	26	59	e39	e59	337	362	803	106	705	376	42	21
11	24	67	46	e58	304	330	1340	101	520	267	104	20
12	20	79	124	e66	251	301	1720	136	416	200	142	19
13	19	63	131	e76	232	452	1050	114	333	147	199	17
14	16	52	301	89	239	994	731	96	270	117	130	20
15	17	44	426	102	586	817	609	84	226	95	69	18
16	16	38	483	126	994	695	779	82	205	82	46	19
17	20	35	1350	152	1460	1080	647	77	202	71	38	18
18	50	31	727	154	921	1110	529	74	188	115	34	16
19	125	27	395	151	616	818	441	149	153	166	31	15
20	81	25	277	312	513	644	483	240	150	95	30	21
21	56	24	269	435	423	1580	771	224	202	63	53	17
22	42	24	197	352	327	2450	834	1280	339	50	39	16
23	34	24	155	280	292	1470	688	2150	340	43	33	14
24	36	20	e135	223	256	1100	573	861	251	38	30	20
25	37	24	e120	201	237	987	474	647	198	47	29	57
26	36	36	e110	184	217	745	398	1020	156	35	28	66
27	37	43	e100	155	192	579	344	655	130	31	29	41
28	34	49	e96	143	177	481	296	502	110	28	38	30
29	27	54	e91	132	---	418	250	435	97	27	62	25
30	26	73	e86	1390	---	393	222	456	106	30	78	22
31	24	---	e82	3340	---	359	---	349	---	31	69	---
TOTAL	1076	1076	6338	8793	13721	20886	17878	11203	19753	6027	1663	1602
MEAN	34.7	35.9	204	284	490	674	596	361	658	194	53.6	53.4
MAX	125	79	1350	3340	1630	2450	1720	2150	3040	1240	199	527
MIN	16	19	39	58	177	154	216	74	97	27	21	14
CFSM	.12	.13	.73	1.01	1.74	2.40	2.12	1.29	2.34	.69	.19	.19
IN.	.14	.14	.84	1.16	1.82	2.76	2.37	1.48	2.61	.80	.22	.21

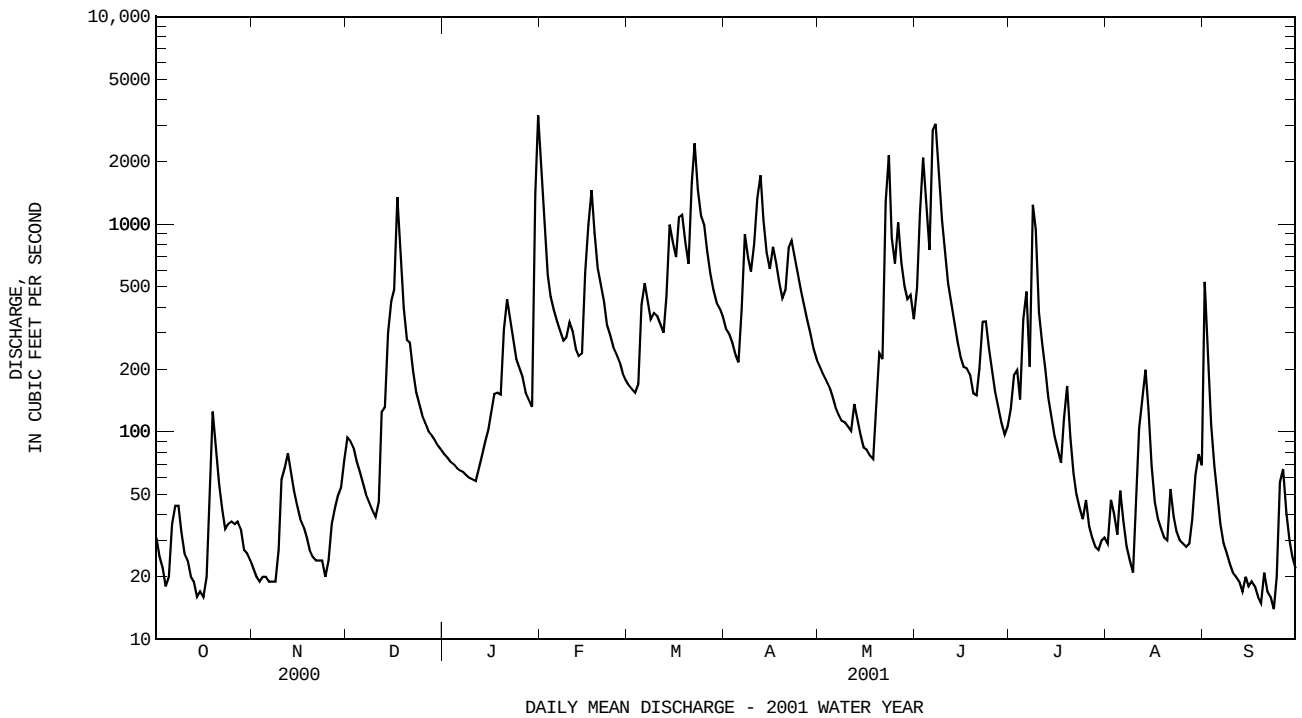
03112000 WHEELING CREEK AT ELM GROVE, WV--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	78.4	197	370	495	606	725	587	415	226	145	101	82.1
MAX	627	2085	1369	1124	1249	1670	1336	1107	1004	885	1424	1012
(WY)	1991	1986	1991	1994	1975	1963	1961	1967	1981	1956	1980	1975
MIN	.53	1.89	5.45	21.4	85.0	126	115	66.0	16.1	3.90	2.06	.88
(WY)	1964	1964	1964	1967	1964	1969	1971	1986	1962	1962	1957	1966

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1941 - 2001	
ANNUAL TOTAL	102944.3		110016			
ANNUAL MEAN	281		301		334	
HIGHEST ANNUAL MEAN					580	1943
LOWEST ANNUAL MEAN					112	1954
HIGHEST DAILY MEAN	4120	Feb 19	3340	Jan 31	13100	Dec 30 1942
LOWEST DAILY MEAN	9.5	Sep 9	14	Sep 23	.10	(a)
ANNUAL SEVEN-DAY MINIMUM	14	Sep 5	17	Sep 17	.24	Sep 21 1964
MAXIMUM PEAK FLOW			4320	Jun 6	(b)22100	Dec 30 1942
MAXIMUM PEAK STAGE			5.25	Jun 6	13.67	Dec 30 1942
INSTANTANEOUS LOW FLOW			13	(c)	.10	(d)
ANNUAL RUNOFF (CFSM)	1.00		1.07		1.19	
ANNUAL RUNOFF (INCHES)	13.63		14.56		16.17	
10 PERCENT EXCEEDS	731		809		824	
50 PERCENT EXCEEDS	98		126		134	
90 PERCENT EXCEEDS	22		24		9.8	

a Sept. 26, 27, 1964.
b From rating curve extended above 15,000 ft^3/s on basis of slope-area measurements at gage heights 13.20 ft and 13.65 ft.
c Nov. 24, Sept. 23, 24.
d Oct. 7, 1963, Sept. 26, 27, 1964.
e Estimated.



03151400 LITTLE KANAWHA RIVER NEAR WILDCAT, WV

LOCATION.--Lat 38°44'36", long 80°31'32", Braxton County, Hydrologic Unit 05030203, on right bank on State Secondary Route 24/1, 200 ft upstream from footbridge at Gregory, 3.9 mi west of Wildcat, and at mile 141.

DRAINAGE AREA.--112 mi^2.

PERIOD OF RECORD.--December 1973 to September 1983, October 1985 to current year.

GAGE.--Water-stage recorder. Datum of gage is 850.00 ft above sea level.

REMARKS.--Records fair except those for periods of estimated daily discharges (doubtful gage-height record, ice effect), which are poor. U.S. Army Corps of Engineers satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 17	0400	*3,060	*9.29	May 19	1200	2,840	9.05

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	126	17	76	e78	589	119	374	40	84	29	79	270
2	98	17	77	e73	382	114	440	40	99	135	49	188
3	76	16	73	69	273	110	472	37	102	78	40	117
4	58	16	61	e65	219	105	390	34	88	52	34	78
5	47	16	66	e62	195	132	292	34	588	42	30	55
6	42	16	63	e59	170	157	330	31	435	37	25	39
7	40	17	56	e56	151	164	516	27	609	31	22	30
8	34	19	52	e53	133	169	392	24	533	148	18	25
9	31	22	48	e50	129	194	301	23	304	176	15	21
10	30	71	41	e48	160	213	310	22	190	98	14	18
11	28	86	39	e46	152	216	604	19	130	66	24	17
12	26	69	39	e44	144	224	499	18	95	46	28	16
13	23	57	39	e43	140	281	366	17	82	37	46	14
14	21	54	508	e100	134	386	274	17	57	33	44	12
15	20	52	556	192	996	412	225	15	43	28	33	11
16	19	46	368	382	1540	431	204	22	37	24	25	11
17	19	43	883	299	2210	439	167	54	50	21	20	9.6
18	24	40	786	220	861	420	150	165	38	21	17	8.7
19	39	36	479	611	460	e300	131	1670	27	116	14	8.4
20	31	34	314	1420	313	e230	118	1190	22	51	12	9.1
21	24	34	231	744	233	e280	111	484	19	34	12	9.8
22	22	30	192	416	189	e340	102	483	20	27	12	11
23	20	26	e170	299	165	e320	91	865	228	21	11	11
24	19	26	e155	246	141	e300	86	454	198	16	69	13
25	19	29	e140	207	141	266	84	307	110	13	49	106
26	21	33	e125	161	132	e230	68	301	67	21	35	81
27	21	39	e115	187	120	e190	60	237	46	26	152	38
28	20	49	e105	162	119	e170	56	232	38	23	107	25
29	20	47	e98	161	---	e150	49	182	37	156	188	21
30	19	68	e91	1280	---	e435	43	140	33	317	137	18
31	18	---	e84	1260	---	426	---	105	---	138	98	---
TOTAL	1055	1125	6130	9093	10591	7923	7305	7289	4409	2061	1459	1291.6
MEAN	34.0	37.5	198	293	378	256	244	235	147	66.5	47.1	43.1
MAX	126	86	883	1420	2210	439	604	1670	609	317	188	270
MIN	18	16	39	43	119	105	43	15	19	13	11	8.4
CFSM	.30	.33	1.77	2.62	3.38	2.28	2.17	2.10	1.31	.59	.42	.38
IN.	.35	.37	2.04	3.02	3.52	2.63	2.43	2.42	1.46	.68	.48	.43

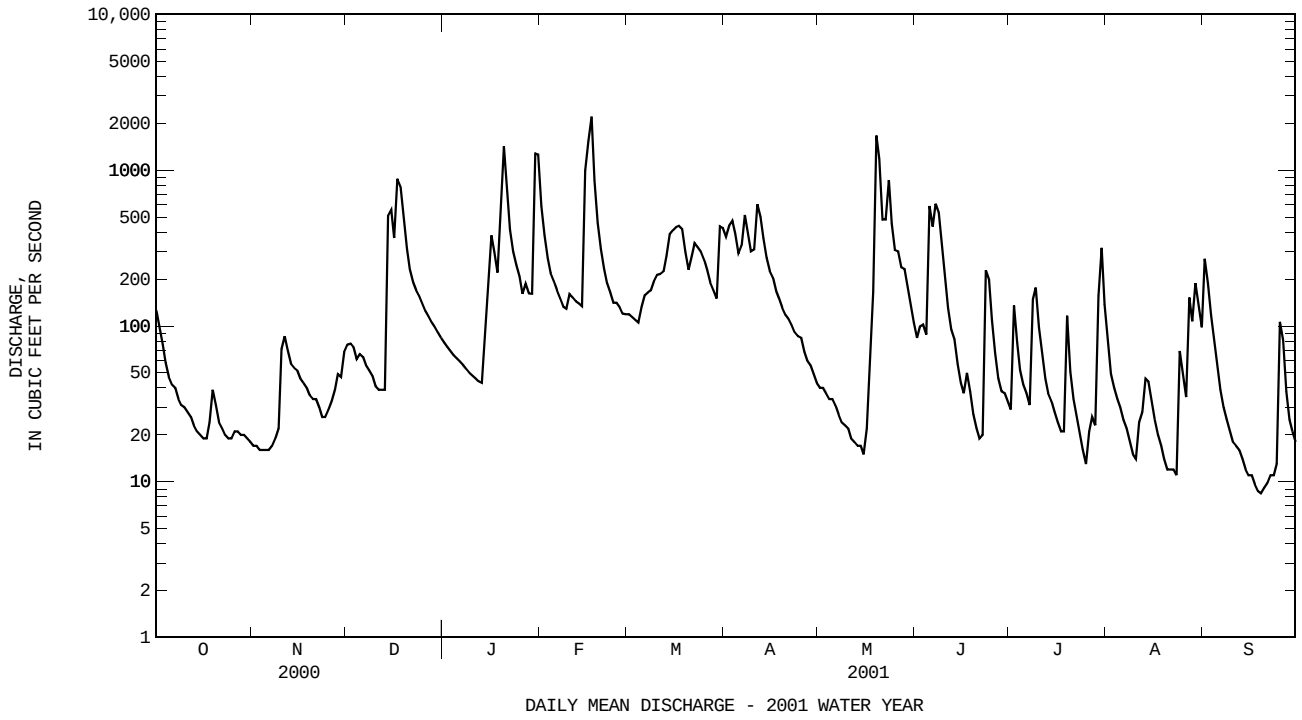
03151400 LITTLE KANAWHA RIVER NEAR WILDCAT, WV--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	84.5	195	303	355	381	426	325	260	144	129	91.2	54.4
MAX	426	841	717	732	705	745	600	761	551	419	473	247
(WY)	1977	1986	1979	1994	1994	1997	1980	1996	1981	1996	2000	2000
MIN	3.70	10.7	57.2	74.5	61.8	132	105	33.7	5.03	4.31	1.41	2.14
(WY)	1995	1995	1999	1977	1978	1987	1999	1991	1991	1988	1993	1995

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1974 - 2001	
ANNUAL TOTAL	84845		59731.6			
ANNUAL MEAN	232		164		227	
HIGHEST ANNUAL MEAN					357	1994
LOWEST ANNUAL MEAN					134	1999
HIGHEST DAILY MEAN	5940	Aug 18	2210	Feb 17	9070	Jul 31 1996
LOWEST DAILY MEAN	16	(a)	8.4	Sep 19	.11	Aug 17 1987
ANNUAL SEVEN-DAY MINIMUM	16	Nov 1	9.7	Sep 15	.14	Aug 15 1987
MAXIMUM PEAK FLOW			3060	Feb 17	(b)19600	Jul 31 1996
MAXIMUM PEAK STAGE			9.29	Feb 17	18.47	Jul 31 1996
INSTANTANEOUS LOW FLOW			8.4	(c)	.11	Aug 17 1987
ANNUAL RUNOFF (CFSM)	2.07		1.46		2.03	
ANNUAL RUNOFF (INCHES)	28.18		19.84		27.55	
10 PERCENT EXCEEDS	560		418		550	
50 PERCENT EXCEEDS	106		69		110	
90 PERCENT EXCEEDS	30		18		8.4	

a Nov. 3-6.
b From slope-area measurement.
c Sept. 18-20.
e Estimated.



03155000 LITTLE KANAWHA RIVER AT PALESTINE, WV

LOCATION.--Lat 39°03'32", long 81°23'23", Wirt County, Hydrologic Unit 05030203, on left bank at end of Washington Street in Elizabeth, 1.0 mi upstream from Tucker Creek, 2.3 mi northeast of Palestine, 2.4 mi upstream from old lock 3, and at mile 28.4.

DRAINAGE AREA.--1,516 mi^2.

PERIOD OF RECORD.--April 1915 to September 1922 (gage heights only), July to September 1939 (fragmentary), October 1939 to current year. Monthly discharge only October 1939 to September 1941, published in WSP 1305.

REVISED RECORDS.--WSP 953: 1940(M). WDR WV-97-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 585.51 ft above sea level. Prior to Feb. 17, 1950, water-stage recorders or nonrecording gages at old locks 3 and 4 at various datums. Auxiliary water-stage recorder 3.0 mi upstream from base gage at old lock 4 at datum 596.08 ft above sea level.

REMARKS.--No estimated daily discharges. Records good. Flow partially regulated since 1968 by five floodwater-detention reservoirs affecting 49.5 mi^2. Flow regulated since March 1979 by Burnsville Lake. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 17, 1939, reached a stage of 32.25 ft, from floodmarks at old lock 4, discharge about 53,000 ft^3/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Maximum discharge, 25,800 ft^3/s, May 23, gage height, 26.73 ft.

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	1290	236	261	293	7400	704	2810	245	749	147	1330	779
2	885	270	253	324	4600	696	3490	222	694	643	959	1020
3	680	283	241	299	2860	739	3930	209	886	1720	583	1030
4	422	283	213	267	2160	732	2640	201	1080	885	396	774
5	334	280	187	244	1820	4350	1820	245	2460	586	354	551
6	429	273	176	214	1260	4850	1440	245	4470	864	367	384
7	363	281	166	196	1040	3320	2120	206	3660	622	265	300
8	306	289	162	193	927	2400	2500	174	6610	1840	205	234
9	299	332	161	227	837	2010	1710	150	3060	6910	173	200
10	279	584	160	291	851	1780	3200	134	1760	2380	156	179
11	264	877	161	250	802	1530	5240	124	1140	1240	684	161
12	259	1110	153	211	839	1410	5170	120	779	892	903	138
13	256	761	149	186	811	1570	3690	123	679	629	565	123
14	250	609	185	178	802	2800	2410	133	823	449	896	115
15	245	520	2440	197	5120	2760	1770	124	654	338	978	108
16	249	462	2950	281	15800	3420	1490	134	444	262	573	101
17	263	362	2950	505	16000	5170	1150	593	327	212	365	94
18	308	310	4790	923	12100	4960	948	1340	260	216	265	89
19	296	283	3780	1820	6270	3350	842	6030	224	358	213	87
20	377	251	2650	11300	4500	2210	766	9140	193	347	200	87
21	566	221	1970	8690	3630	3300	730	5540	192	375	191	85
22	473	192	1330	3950	2920	7240	712	13500	318	328	164	107
23	403	174	804	3050	1570	5010	670	24000	443	238	156	134
24	369	164	611	2270	1310	3040	598	12500	374	195	271	166
25	338	160	567	2000	1090	2240	527	4650	763	180	757	308
26	285	158	479	1280	976	1770	479	3250	781	262	501	620
27	257	215	441	999	933	1450	423	2650	519	453	468	827
28	253	302	372	1070	813	1200	374	1960	346	322	3340	567
29	244	272	266	1390	---	988	324	1700	228	578	1590	370
30	235	285	268	5460	---	906	275	1370	171	2070	933	280
31	227	---	261	13500	---	2770	---	983	---	2330	816	---
TOTAL	11704	10799	29557	62058	100041	80675	54248	91995	35087	28871	19617	10018
MEAN	378	360	953	2002	3573	2602	1808	2968	1170	931	633	334
MAX	1290	1110	4790	13500	16000	7240	5240	24000	6610	6910	3340	1030
MIN	227	158	149	178	802	696	275	120	171	147	156	85

03155000 LITTLE KANAWHA RIVER AT PALESTINE, WV--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1967, BY WATER YEAR (WY) [UNREGULATED]

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	422	1145	2631	3242	4141	4875	3259	1951	1193	855	785	390
MAX	3010	4401	6366	7468	8437	10940	7233	7573	4820	5069	3756	2401
(WY)	1955	1963	1943	1952	1956	1963	1948	1967	1950	1958	1958	1950
MIN	6.14	2.41	84.8	552	499	1428	677	323	50.5	14.7	9.85	14.4
(WY)	1954	1954	1966	1967	1941	1966	1947	1962	1965	1966	1965	1953

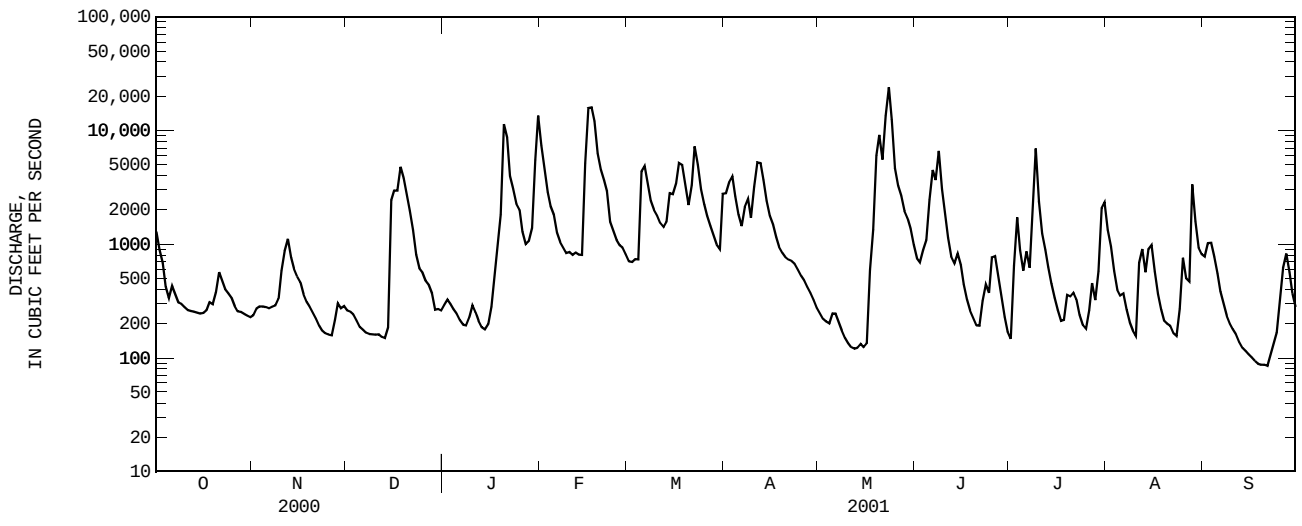
SUMMARY STATISTICS	WATER YEARS 1940 - 1967	
ANNUAL MEAN	2065	
HIGHEST ANNUAL MEAN	3216	1950
LOWEST ANNUAL MEAN	1068	1966
HIGHEST DAILY MEAN	48600	Mar 8 1967
LOWEST DAILY MEAN	.90	Jul 15 1959
ANNUAL SEVEN-DAY MINIMUM	1.3	Aug 30 1965
INSTANTANEOUS PEAK FLOW	(a)50700	Mar 7 1967
INSTANTANEOUS PEAK STAGE	(b)39.14	Mar 7 1967
INSTANTANEOUS LOW FLOW	(c).60	Jul 14 1959
10 PERCENT EXCEEDS	5440	
50 PERCENT EXCEEDS	694	
90 PERCENT EXCEEDS	56	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2001, BY WATER YEAR (WY) [REGULATED, UNADJUSTED]

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	707	1797	2963	3525	4124	4276	3116	2603	1256	836	810	510
MAX	3933	8281	9517	8946	8985	9934	7210	7490	5710	2450	2778	2941
(WY)	1977	1986	1979	1994	1994	1997	1972	1996	1981	1990	1996	1971
MIN	75.3	137	309	444	935	873	774	243	81.3	51.1	28.5	29.2
(WY)	1989	1999	1999	2000	1978	1969	1999	1982	1991	1999	1988	1999

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1968 - 2001	
ANNUAL TOTAL	562939		534670			
ANNUAL MEAN	1538		1465		2202	
HIGHEST ANNUAL MEAN					3628	1994
LOWEST ANNUAL MEAN					1119	1969
HIGHEST DAILY MEAN	(d)38100	Feb 19	24000	May 23	(d)45200	Mar 3 1997
LOWEST DAILY MEAN	146	Sep 23	85	Sep 21	15	Aug 21 1987
ANNUAL SEVEN-DAY MINIMUM	159	Dec 7	93	Sep 16	18	Jul 6 1988
MAXIMUM PEAK FLOW			25800	May 23	(d)48100	Mar 2 1997
MAXIMUM PEAK STAGE			26.73	May 23	(b)40.04	Mar 2 1997
INSTANTANEOUS LOW FLOW			85	(f)	14	(g)
10 PERCENT EXCEEDS	3520		3640		5640	
50 PERCENT EXCEEDS	566		567		904	
90 PERCENT EXCEEDS	224		169		116	

a From rating curve extended above 39,000 ft^3/s.
b Backwater.
c Filling pool above old lock 3.
d Adjusted for backwater.
e Estimated.
f Sept. 19-21.
g Aug. 21, 22, 1987 and July 17, 18, 1988.



DAILY MEAN DISCHARGE - 2001 WATER YEAR

03176500 NEW RIVER AT GLEN LYN, VA

LOCATION.--Lat 37°22'22", long 80°51'38", NAD83, Giles County, Hydrologic Unit 05050002, on right bank 90 ft upstream from bridge on U.S. Highway 460 at Glen Lyn, 0.3 mi upstream from East River, and 6.3 mi downstream from Wolf Creek.

DRAINAGE AREA.--3,768 mi^2.

PERIOD OF RECORD.--August 1927 to current year.

REVISED RECORDS.--WSP 758: Drainage area. WSP 1305: 1928(M), 1930(M).

GAGE.--Water-stage recorder. Datum of gage is 1,490.11 ft above sea level. Aug. 11, 1927, to Oct. 16, 1934, on left bank opposite present site at same datum, and Oct. 17, 1934, to June 16, 1939, on left bank at site 200 ft upstream at same datum.

REMARKS.--Records good except for period of partial gage-height record, Apr. 3-4, which is fair. Flow regulated since 1939 by Claytor Reservoir (station 03169000) 55 mi upstream from station. Statistics of monthly mean data and summary statistics for water years 1928-1938 (unregulated flow) are available in previous data books, water years 1991-1998. Water withdrawn by American Electric Power at gage. U.S. Army Corps of Engineers satellite gage-height telemeter at station. Maximum discharge, 226,000 ft^3/s, from rating curve extended above 89,000 ft^3/s on basis of slope-area measurement of peak flow. Minimum gage height, 2.10 ft, Sep. 8, 1930. Several measurements of water temperature were made during the year. Water-quality records for some prior periods have been collected at this location.

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	1860	1210	2790	1520	2680	3760	14600	1600	5030	3060	12600	2230
2	1520	1200	2960	1500	2120	4220	10200	1580	5330	2660	8730	2250
3	1510	1240	1810	1760	2350	3480	e10400	1620	4820	2550	4490	2300
4	1400	1220	1690	1590	1710	2000	e7330	1600	4280	2910	5130	2140
5	1410	1200	1570	1360	1530	1880	7800	1620	4080	2720	4760	2100
6	1540	1190	1530	1290	1850	2670	8150	1620	4160	2680	4090	1860
7	1750	1200	1510	1250	1670	3180	7180	1560	5650	2500	3490	1840
8	1470	1210	1600	1330	1880	4320	4030	1530	6100	3460	3110	1800
9	1290	1300	1590	1640	2070	3730	2580	2440	5510	7960	2860	1730
10	1300	1700	1500	1570	1900	2910	5040	1610	4930	6180	2670	1750
11	1250	1840	1610	1650	1500	1970	4570	1720	3930	4900	2260	1640
12	1250	2280	1650	1440	1420	1920	4310	1820	3630	3630	2800	1760
13	1290	2010	1620	1360	1750	3090	3810	1950	3140	2990	3440	2060
14	1310	1970	1710	1320	1600	2880	2300	1660	2960	2400	3920	1730
15	1390	1600	1770	1340	1760	3010	2940	1730	2770	1770	4220	1640
16	1400	1780	1890	1580	2520	4390	3260	3460	2860	1610	3660	1560
17	1270	1850	1860	1800	3390	4100	2800	14200	3040	1850	2760	1400
18	1260	2070	2310	1810	4880	3360	2820	16900	2460	2240	2800	1360
19	1250	1540	4080	1880	6810	2280	2880	10200	2670	1990	2450	1320
20	1290	1480	3500	2930	4850	3950	2650	7060	2330	1730	2070	1390
21	1240	1930	2390	5530	3360	3420	2770	8080	1950	1960	2560	1410
22	1220	2350	2040	6500	3430	4980	2710	22500	2020	1920	2420	1440
23	1250	2390	2010	4290	3370	7600	2600	29800	2330	2070	2000	1520
24	1230	1730	1730	3670	3490	7180	2810	17500	3230	1760	1940	1480
25	1210	1580	1600	3050	2000	6740	2550	13100	2960	1640	2190	1840
26	1240	1900	1630	3220	3070	4800	1940	19200	2770	1520	1880	2140
27	1260	2110	2380	2340	3440	5330	2500	17500	3560	2450	1800	2020
28	1240	3800	1880	1700	3550	5000	4160	11000	4390	3900	1900	1520
29	1200	3960	1770	1600	---	5010	3970	8880	3830	10600	1910	1430
30	1190	3260	1670	2370	---	10800	2120	7480	3240	23400	1680	1340
31	1190	---	1570	2540	---	19000	---	5550	---	19100	2110	---
TOTAL	41480	56100	61220	68730	75950	142960	137780	238070	109960	132110	104700	52000
MEAN	1338	1870	1975	2217	2712	4612	4593	7680	3665	4262	3377	1733
MAX	1860	3960	4080	6500	6810	19000	14600	29800	6100	23400	12600	2300
MIN	1190	1190	1500	1250	1420	1880	1940	1530	1950	1520	1680	1320
(†)	-1310	-7410	+454	+3880	+4130	+1510	-3580	+2320	-302	+1460	-1310	+151
MEAN‡	1296	1623	1989	2342	2860	4660	4473	7755	3655	4309	3335	1738
CFSM‡	.34	.43	.53	.62	.76	1.24	1.19	2.06	.97	1.14	.89	.46
IN.‡	.40	.48	.61	.72	.79	1.43	1.32	2.37	1.08	1.32	1.02	.51

CAL YR 2000 MEAN‡ 3002 CFSM‡ .80 In.‡ 10.85
WTR YR 2001 MEAN‡ 3345 CFSM‡ .89 In.‡ 12.05

† Total change in contents, equivalent in cubic feet per second, per month, in Claytor Reservoir; provided by American Electric Power.
‡ Adjusted for change in contents and water withdrawal.

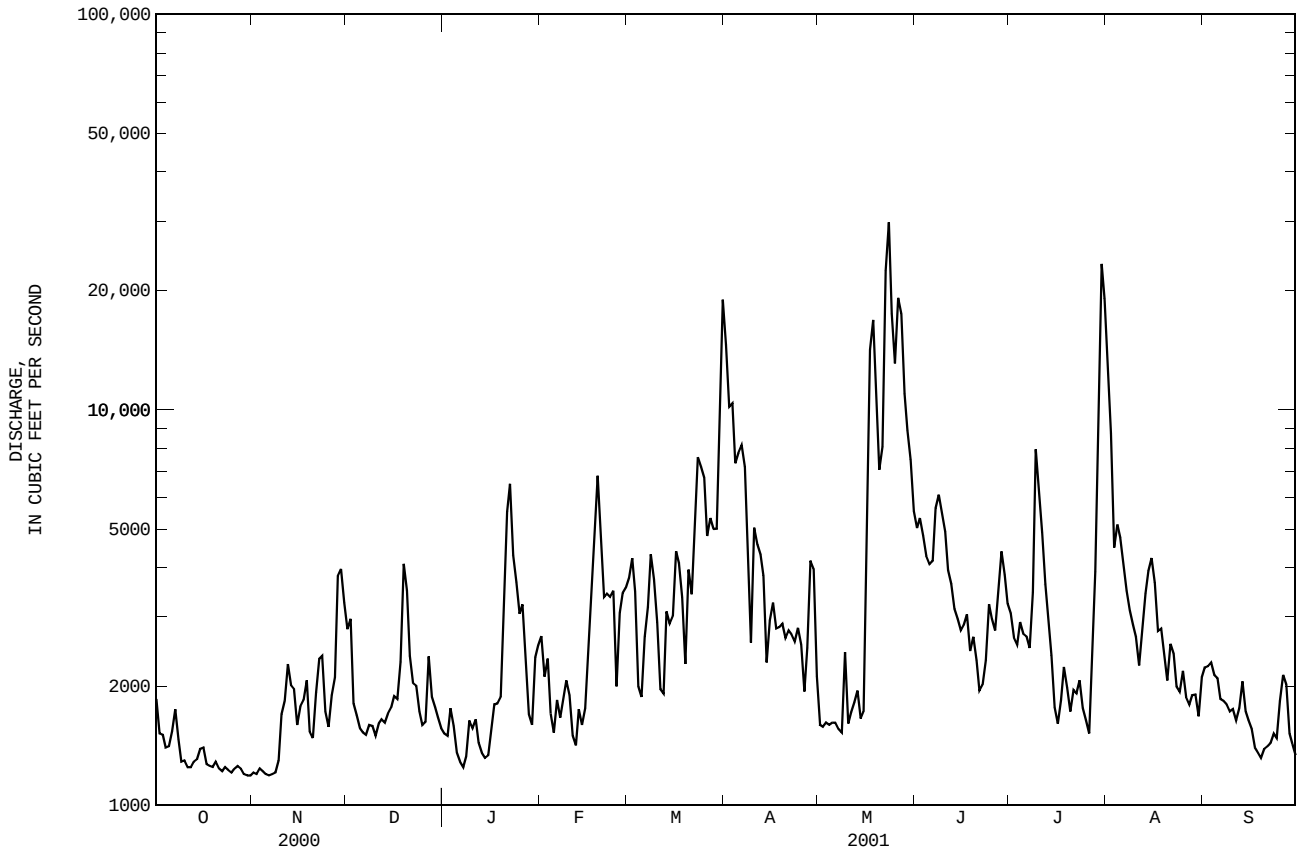
03176500 NEW RIVER AT GLEN LYN, VA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3149	3674	4597	5876	7382	8325	7362	5985	4420	3265	3161	2814
MAX	9882	12450	10910	13290	15810	18650	20890	11270	12860	9784	16410	11500
(WY)	1990	1978	1949	1996	1957	1993	1987	1984	1992	1949	1940	1989
MIN	1204	1258	1305	1489	2712	2407	2673	2397	1373	1390	1093	1127
(WY)	1989	1982	1998	1966	2001	1988	1986	1941	1999	1988	1999	1998

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1939 - 2001	
ANNUAL TOTAL	1106320		1221060			
ANNUAL MEAN	3023		3345		4988	
HIGHEST ANNUAL MEAN					7424	1949
LOWEST ANNUAL MEAN					2626	1988
HIGHEST DAILY MEAN	16700	Apr 19	29800	May 23	126000	Aug 15 1940
LOWEST DAILY MEAN	1190	aOct 30	1190	aOct 30	b557	Aug 19 1999
ANNUAL SEVEN-DAY MINIMUM	1210	Oct 29	1210	Oct 29	b646	Aug 13 1999
MAXIMUM PEAK FLOW			33200	May 23	226000	Aug 14 1940
MAXIMUM PEAK STAGE			9.82	May 23	27.50	Aug 14 1940
INSTANTANEOUS LOW FLOW			1060	Oct 31	b449	cAug 13 1999
ANNUAL RUNOFF (CFSM)	.80		.89		1.32	
ANNUAL RUNOFF (INCHES)	10.92		12.06		17.99	
10 PERCENT EXCEEDS	5560		5830		9600	
50 PERCENT EXCEEDS	2220		2140		3630	
90 PERCENT EXCEEDS	1350		1340		1530	

a Also Oct. 31 and Nov. 6, 2000.
b Affected by withdrawals.
c Also Aug. 19, 1999.
e Estimated.



NOTE: Furnished by Virginia USGS.

03179000 BLUESTONE RIVER NEAR PIPESTEM, WV

LOCATION.--Lat 37°32'38", long 81°00'38", Summers County, Hydrologic Unit 05050002, on left bank 1.2 mi downstream from Mountain Creek, 2.5 mi west of Pipestem, and at mile 10.6.

DRAINAGE AREA.--395 mi^2.

PERIOD OF RECORD.--July 1950 to current year.

REVISED RECORDS.--WSP 1705: 1959. WDR WV-82-1: Drainage area. WDR WV-97-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,527.35 ft above sea level (U.S. Army Corps of Engineers bench mark).

REMARKS.--Records good except those for periods of estimated daily discharges (ice effect), which are poor. U.S. Army Corps of Engineers satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 17	0530	*13,000	*13.15	Jul 8	1600	9,110	11.44
May 18	1130	11,700	12.55	Jul 29	1830	8,840	11.32
May 23	0200	4,940	9.40				

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	72	32	44	e43	183	313	1120	130	449	129	1210	277
2	64	31	43	e42	163	283	1080	132	496	124	761	266
3	60	32	41	e41	140	266	991	127	387	113	587	174
4	56	31	31	e40	133	257	960	129	332	126	462	131
5	53	31	38	e39	131	373	844	128	316	545	797	110
6	50	31	37	e39	122	740	714	119	378	417	759	96
7	46	34	43	e38	116	660	629	107	1610	254	418	84
8	44	37	43	e38	108	543	534	99	3650	4540	314	78
9	42	46	41	e37	102	626	456	97	1600	7870	257	73
10	40	124	46	e37	103	626	405	93	876	2380	222	108
11	40	148	45	e36	104	569	366	89	584	912	220	119
12	40	93	45	e36	98	583	332	90	435	578	268	99
13	41	66	39	e35	91	720	320	91	352	417	230	75
14	40	57	53	e35	96	723	328	85	303	329	272	66
15	39	51	57	e34	344	629	288	92	255	272	196	61
16	39	49	63	e34	883	748	269	1270	244	232	162	57
17	38	48	106	e34	2150	728	256	8850	220	203	146	55
18	38	45	183	119	1730	613	261	9390	190	214	135	53
19	37	46	182	383	881	500	256	3620	165	193	120	51
20	36	44	112	1130	602	423	238	1610	148	583	114	56
21	37	40	89	834	451	553	229	1210	136	315	114	63
22	36	29	e76	490	365	865	220	3220	127	209	102	64
23	36	33	68	344	322	844	207	4300	269	165	97	57
24	35	42	e62	282	327	721	196	2250	251	139	201	56
25	36	46	e58	224	381	587	188	2220	176	137	200	89
26	36	46	e55	148	444	472	176	2450	156	384	134	104
27	40	47	e52	190	401	389	163	1420	169	1290	109	87
28	39	46	e50	138	354	334	154	1080	161	838	98	66
29	35	45	e48	146	---	350	142	827	178	3920	91	58
30	34	43	e46	147	---	1870	132	642	141	6050	89	52
31	33	---	e44	185	---	1640	---	496	---	2450	97	---
TOTAL	1312	1493	1940	5398	11325	19548	12454	46463	14754	36328	8982	2785
MEAN	42.3	49.8	62.6	174	404	631	415	1499	492	1172	290	92.8
MAX	72	148	183	1130	2150	1870	1120	9390	3650	7870	1210	277
MIN	33	29	31	34	91	257	132	85	127	113	89	51
CFSM	.11	.13	.16	.44	1.02	1.60	1.05	3.79	1.25	2.97	.73	.24
IN.	.12	.14	.18	.51	1.07	1.84	1.17	4.38	1.39	3.42	.85	.26

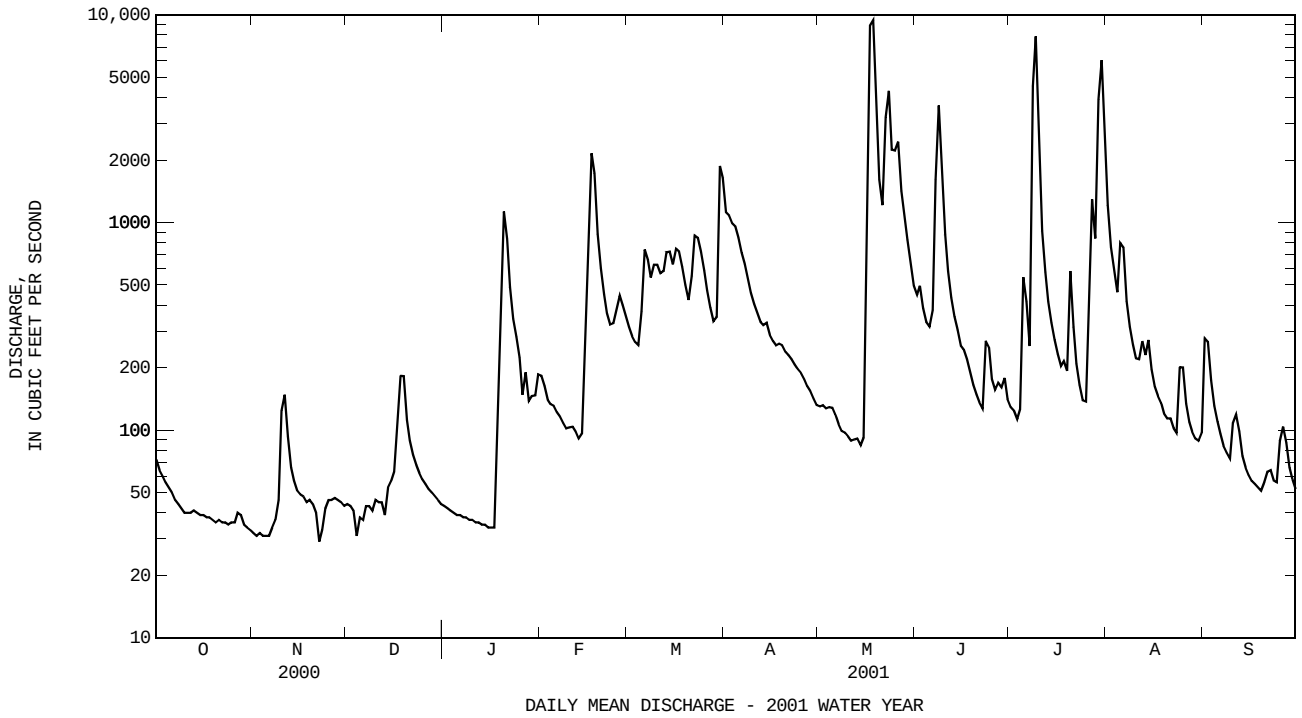
03179000 BLUESTONE RIVER NEAR PIPESTEM, WV--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	140	228	463	674	921	1081	797	644	304	167	120	90.6
MAX	796	1048	1485	2107	2148	3276	2855	1499	1163	1172	447	456
(WY)	1977	1978	1973	1957	1957	1955	1987	2001	1979	2001	1972	1989
MIN	16.7	20.0	33.8	53.7	225	188	174	154	54.2	40.5	23.8	13.9
(WY)	1954	1954	1966	1966	1954	1988	1986	1964	1999	1999	1988	1955

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1950 - 2001	
ANNUAL TOTAL	93780		162782			
ANNUAL MEAN	256		446		467	
HIGHEST ANNUAL MEAN					762	1975
LOWEST ANNUAL MEAN					178	1988
HIGHEST DAILY MEAN	1990	Apr 26	9390	May 18	15900	Apr 5 1977
LOWEST DAILY MEAN	(e)18	Feb 8	29	Nov 22	7.0	Sep 22 1955
ANNUAL SEVEN-DAY MINIMUM	20	Feb 2	32	Oct 31	8.5	Sep 18 1955
MAXIMUM PEAK FLOW			13000	May 17	19300	Apr 5 1977
MAXIMUM PEAK STAGE			13.15	May 17	15.82	Apr 5 1977
INSTANTANEOUS LOW FLOW			21	Dec 4	7.0	(a)
ANNUAL RUNOFF (CFSM)	.65		1.13		1.18	
ANNUAL RUNOFF (INCHES)	8.83		15.33		16.06	
10 PERCENT EXCEEDS	703		878		1100	
50 PERCENT EXCEEDS	124		140		200	
90 PERCENT EXCEEDS	36		38		37	

a Sept. 21-23, 30, 1955.
e Estimated.



03180500 GREENBRIER RIVER AT DURBIN, WV

LOCATION.--Lat 38°32'37", long 79°50'00", Pocahontas County, Hydrologic Unit 05050003, on left bank at Durbin, 500 ft downstream from confluence of East and West Forks, and at mile 153.4.

DRAINAGE AREA.--133 mi^2.

PERIOD OF RECORD.--March 1943 to current year.

REVISED RECORDS.--WDR WV-82-1: Drainage area. WDR WV-97-1: 1944-46(M), 1951(M), 1953(M), 1955(P), 1956(M), 1958(M).

GAGE.--Water-stage recorder. Datum of gage is 2,699.71 ft above sea level.

REMARKS.--Records good except those for periods of estimated daily discharges (no gage-height record, ice effect) which are poor. National Weather Service gage-height telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 22	2200	*2,350	*4.72	No peak greater than base discharge.			

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	156	23	e105	e100	703	222	720	84	156	75	545	47
2	131	23	e94	e94	480	202	683	79	146	143	312	39
3	111	23	e70	e85	346	179	617	76	127	87	223	26
4	101	23	e53	e76	293	162	528	70	112	63	193	22
5	83	22	e60	e70	230	161	532	67	854	54	162	20
6	75	22	e68	e76	196	126	708	60	569	45	218	17
7	68	22	e78	e70	170	148	1010	54	791	36	139	15
8	61	24	e85	e73	153	e145	750	50	716	134	104	14
9	58	31	e80	e70	177	e160	529	50	478	127	82	13
10	56	224	e70	e66	380	e155	434	46	311	86	69	12
11	51	159	e73	e63	381	e150	777	43	221	91	62	14
12	48	140	e75	e60	315	e350	707	42	168	68	66	13
13	44	127	e70	e56	263	609	536	42	158	54	68	11
14	41	114	e150	e54	253	e800	388	36	161	45	50	10
15	40	101	e270	e60	1350	e700	305	36	121	38	41	9.7
16	38	91	476	e70	1390	e740	269	53	106	33	35	9.5
17	37	86	1410	e100	1450	e800	234	77	103	29	32	8.7
18	42	77	985	372	901	e700	213	127	76	43	28	8.5
19	49	70	600	714	570	e575	197	1040	63	87	27	8.2
20	38	68	395	912	406	434	203	1150	54	67	63	9.0
21	35	66	344	589	307	431	198	709	49	46	35	15
22	33	e60	255	e460	248	392	191	1130	81	35	27	15
23	31	e54	214	e380	219	339	176	1860	193	29	27	11
24	29	e58	e180	e310	183	339	162	938	112	26	133	11
25	31	e70	e190	257	220	296	147	749	82	30	63	28
26	31	e110	e200	e220	260	274	131	784	67	58	43	25
27	29	e130	e160	e180	250	235	120	600	55	75	38	16
28	29	e120	e120	e160	245	207	109	427	50	48	33	13
29	27	e110	e130	e140	---	217	96	294	51	844	27	12
30	25	e110	e120	e400	---	505	89	227	142	982	26	11
31	24	---	e110	1120	---	739	---	180	---	474	29	---
TOTAL	1652	2358	7290	7457	12339	11492	11759	11180	6373	4052	3000	483.6
MEAN	53.3	78.6	235	241	441	371	392	361	212	131	96.8	16.1
MAX	156	224	1410	1120	1450	800	1010	1860	854	982	545	47
MIN	24	22	53	54	153	126	89	36	49	26	26	8.2
CFSM	.40	.59	1.77	1.81	3.31	2.79	2.95	2.71	1.60	.98	.73	.12
IN.	.46	.66	2.04	2.09	3.45	3.21	3.29	3.13	1.78	1.13	.84	.14

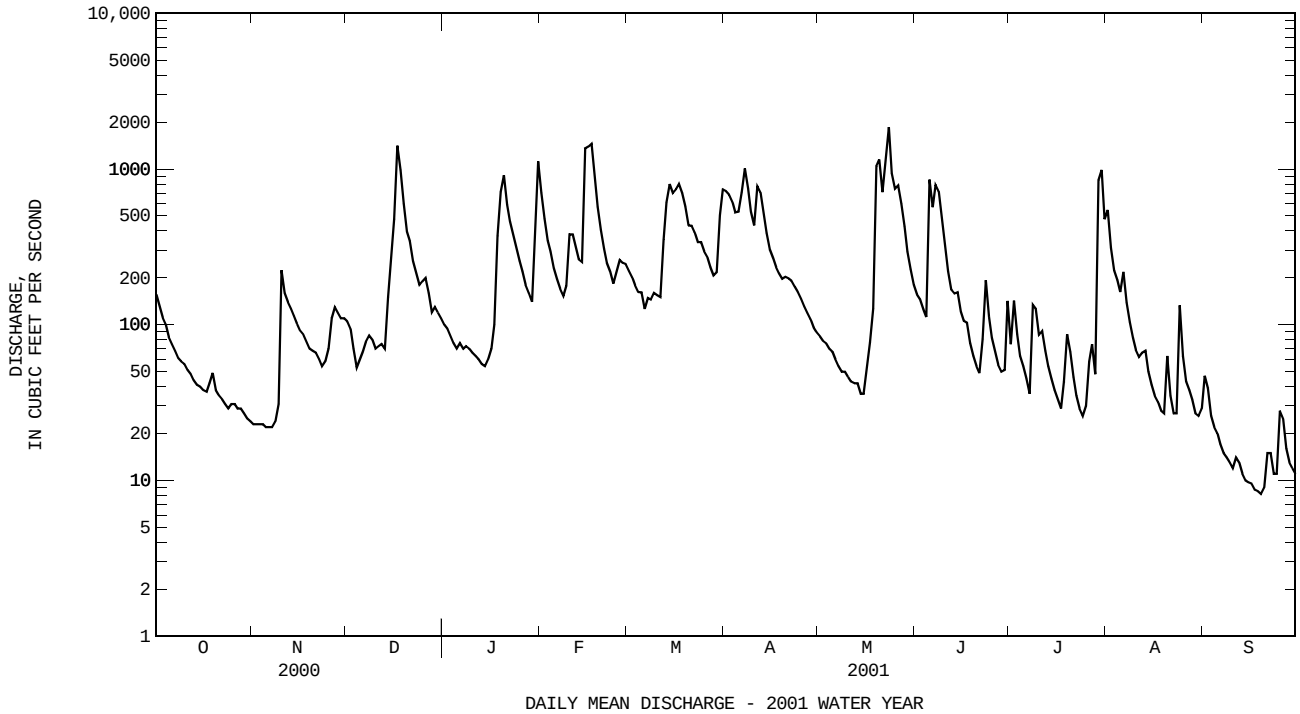
03180500 GREENBRIER RIVER AT DURBIN, WV--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	101	215	323	373	435	567	418	317	156	99.5	87.7	65.9
MAX	665	1336	796	1023	1033	1255	1041	1153	598	541	515	427
(WY)	1977	1986	1973	1996	1994	1963	1958	1996	1981	1996	1996	1996
MIN	2.06	10.1	46.6	51.7	120	234	142	77.9	21.9	10.9	6.01	1.82
(WY)	1954	1954	1961	1981	1993	1957	1955	1976	1991	1988	1999	1953

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1943 - 2001	
ANNUAL TOTAL	77705		79435.6			
ANNUAL MEAN	212		218		263	
HIGHEST ANNUAL MEAN					472	1996
LOWEST ANNUAL MEAN					164	1999
HIGHEST DAILY MEAN	(e)3500	Feb 19	1860	May 23	13200	Nov 4 1985
LOWEST DAILY MEAN	22	(a)	8.2	Sep 19	.50	(b)
ANNUAL SEVEN-DAY MINIMUM	23	Nov 1	9.1	Sep 14	.51	Sep 28 1953
MAXIMUM PEAK FLOW			2350	May 22	(c)37100	Nov 4 1985
MAXIMUM PEAK STAGE			4.72	May 22	(d)15.82	Nov 4 1985
INSTANTANEOUS LOW FLOW			8.0	Sep 19	.00	(f)
ANNUAL RUNOFF (CFSM)	1.60		1.64		1.97	
ANNUAL RUNOFF (INCHES)	21.73		22.22		26.83	
10 PERCENT EXCEEDS	456		643		606	
50 PERCENT EXCEEDS	110		101		137	
90 PERCENT EXCEEDS	41		26		16	

a Nov. 5-7.
b Sept. 29 to Oct. 4, 1953, Oct. 2, 3, 1968, and Sept. 11, 1995.
c From rating curve extended above 5,000 ft^3/s on basis of slope-area measurement of peak flow.
d From floodmark.
e Estimated.
f Oct. 2, 3, 1968.



03182500 GREENBRIER RIVER AT BUCKEYE, WV

LOCATION.--Lat 38°11'09", long 80°07'51", Pocahontas County, Hydrologic Unit 05050003, on right bank at upstream side of highway bridge at Buckeye, 1,000 ft upstream from Swago Creek, 3.5 mi downstream from Knapp Creek, and at mile 105.1. Records include flow of Swago Creek.

DRAINAGE AREA.--540 mi^2, includes that of Swago Creek.

PERIOD OF RECORD.--September 1929 to current year.

REVISED RECORDS.--WSP 758: 1933. WSP 953: 1930-32, 1934-35(M), 1936, 1937(M), 1938-39, l940(M). WSP 1275: 1936.

GAGE.--Water-stage recorder. Datum of gage is 2,085.89 ft above sea level. Prior to Feb. 27, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good except those for periods of estimated daily discharges (ice effect), which are poor. U.S. Army Corps of Engineers satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 23	0200	*16,300	*11.73	No other peak greater than base discharge.			

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	493	89	298	e280	2460	822	2230	248	617	305	1980	157
2	400	87	271	e250	1660	725	1960	240	624	253	1230	144
3	337	86	249	e230	1190	635	1660	232	531	312	762	132
4	290	86	227	e205	1010	559	1460	223	451	220	623	106
5	254	85	162	e190	826	545	1270	214	1060	169	871	85
6	228	83	238	e205	671	509	1310	223	1610	145	489	73
7	202	85	249	e190	565	421	2640	202	1490	127	446	64
8	183	86	268	e200	477	404	2320	180	1700	151	319	55
9	167	98	235	e190	435	459	1720	171	1300	264	252	48
10	157	462	191	e180	572	444	1490	165	932	254	209	57
11	150	697	203	e175	828	429	2030	157	679	190	192	74
12	143	421	210	e170	703	504	2050	149	515	152	205	60
13	136	340	191	e155	596	1300	1690	143	411	152	354	52
14	129	297	244	e150	549	2290	1310	136	451	121	293	46
15	123	262	865	e165	1130	1960	1040	132	420	107	211	43
16	119	233	1120	e190	2890	1900	903	190	328	96	167	39
17	117	214	4650	e260	4180	2380	777	257	291	89	145	35
18	119	198	3870	387	2920	2450	668	471	258	90	128	34
19	121	183	2160	874	1840	1840	583	1780	209	97	117	33
20	122	167	1390	4410	1360	1420	526	6560	177	144	108	34
21	122	152	996	3000	1050	2200	524	3460	159	146	107	35
22	112	153	819	1820	838	3060	536	5380	146	118	124	34
23	106	144	581	1380	707	2050	486	10800	185	97	106	33
24	102	158	516	1060	629	1690	448	4060	355	85	106	37
25	100	164	530	827	631	1390	416	2930	242	78	152	60
26	100	200	555	611	1020	1130	376	4430	187	180	151	57
27	100	339	e400	e480	1010	923	342	2720	158	372	121	55
28	100	332	e330	e410	923	757	319	1900	139	268	112	65
29	97	301	e335	e380	---	695	292	1310	250	3910	107	53
30	93	302	e340	1870	---	1720	264	973	276	5660	132	45
31	91	---	e310	4150	---	2470	---	746	---	1930	152	---
TOTAL	5113	6504	23003	25044	33670	40081	33640	50782	16151	16282	10471	1845
MEAN	165	217	742	808	1202	1293	1121	1638	538	525	338	61.5
MAX	493	697	4650	4410	4180	3060	2640	10800	1700	5660	1980	157
MIN	91	83	162	150	435	404	264	132	139	78	106	33
CFSM	.31	.40	1.37	1.50	2.23	2.39	2.08	3.03	1.00	.97	.63	.11
IN.	.35	.45	1.58	1.73	2.32	2.76	2.32	3.50	1.11	1.12	.72	.13

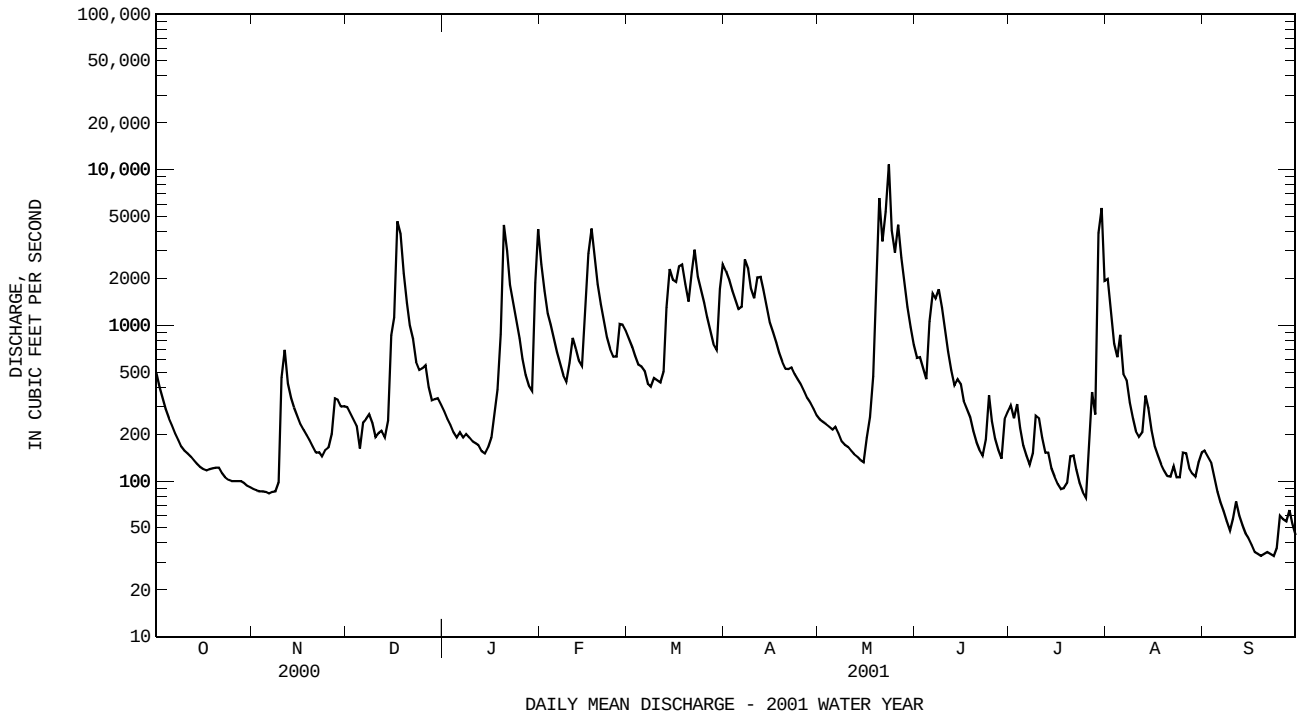
03182500 GREENBRIER RIVER AT BUCKEYE, WV--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	336	630	1069	1306	1522	1953	1361	1078	516	337	317	208
MAX	2626	3602	2811	3542	3431	4672	3097	3219	2107	1333	2000	1255
(WY)	1977	1986	1973	1996	1994	1963	1958	1996	1940	1972	1942	1950
MIN	11.8	20.7	115	101	273	764	508	224	67.9	27.8	21.5	13.5
(WY)	1931	1931	1931	1981	1934	1988	1963	1930	1991	1930	1930	1930

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1930 - 2001	
ANNUAL TOTAL	273261		262586			
ANNUAL MEAN	747		719		883	
HIGHEST ANNUAL MEAN					1405	1996
LOWEST ANNUAL MEAN					492	1941
HIGHEST DAILY MEAN	16100	Feb 19	10800	May 23	44400	Nov 5 1985
LOWEST DAILY MEAN	83	Nov 6	33	(a)	5.2	Aug 13 1930
ANNUAL SEVEN-DAY MINIMUM	85	Nov 2	34	Sep 17	7.3	Sep 28 1930
MAXIMUM PEAK FLOW			16300	May 23	(b)82000	Nov 5 1985
MAXIMUM PEAK STAGE			11.73	May 23	(c)23.20	Nov 5 1985
INSTANTANEOUS LOW FLOW			32	(d)	3.8	Aug 13 1930
ANNUAL RUNOFF (CFSM)	1.38		1.33		1.64	
ANNUAL RUNOFF (INCHES)	18.82		18.09		22.22	
10 PERCENT EXCEEDS	1550		1910		2070	
50 PERCENT EXCEEDS	356		276		420	
90 PERCENT EXCEEDS	135		89		54	

a Sept. 19, 23.
b From rating curve extended above 33,000 ft^3/s on basis of slope-area measurement of peak flow.
c From floodmarks.
d Sept. 19, 23, 24.
e Estimated.



DAILY MEAN DISCHARGE - 2001 WATER YEAR

03183500 GREENBRIER RIVER AT ALDERSON, WV

LOCATION.--Lat 37°43'27", long 80°38'30", Monroe County, Hydrologic Unit 05050003, on left bank 400 ft upstream from highway bridge at Alderson, 0.5 mi upstream from Muddy Creek, and at mile 29.2.

DRAINAGE AREA.--1,364 mi^2.

PERIOD OF RECORD.--July 1895 to current year. Monthly discharge only for some periods, published in WSP 1305.

REVISED RECORDS.--WSP 536: 1907-9. WSP 803: 1918(M). WSP 953: 1930-41. WSP 1275:1897, 1905, 1910, 1914(M), 1915-16, 1917(M), 1919-20(M), 1924-25(M), 1927(M), 1929, 1949, WDR WV-82-1: Drainage area. WDR WV-97-1: 1930(M), 1932(M), 1935-37(M), 1939(P), 1943(P), 1946(M), 1955(P), 1963(M), 1967(M), 1974(M), 1977(M).

GAGE.--Water-stage recorder. Datum of gage is 1,529.42 ft above sea level. Prior to Oct. 15, 1929, nonrecording gage at bridge 400 ft downstream at same datum.

REMARKS.--Records good except those for period of estimated daily discharges (no gage-height record), which are fair. Satellite telemeter maintained at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 19,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 23	1400	27,100	12.11	Jul 30	0630	*30,000	*12.95

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	1360	183	462	568	5500	2160	5360	536	1700	383	4790	372
2	1080	180	457	523	3790	1880	4490	515	1550	432	3820	458
3	907	171	444	446	2810	1670	3770	545	1440	462	2490	503
4	780	171	409	411	2100	1480	3280	520	1220	395	1810	390
5	671	168	364	399	1820	1360	2830	496	1090	435	1550	329
6	583	163	268	419	1600	1320	2490	542	1690	354	1800	288
7	518	167	264	380	1360	1230	2540	496	2590	290	1150	243
8	462	181	347	414	1160	1110	3830	469	2820	295	935	211
9	414	192	386	398	1010	1070	3230	432	2680	609	759	187
10	385	286	363	370	936	1150	2600	401	2070	629	614	207
11	364	977	313	362	1000	1160	2400	379	1590	537	556	259
12	344	1330	347	364	1280	1140	2960	365	1250	426	624	248
13	324	888	310	317	1160	1430	2860	350	1130	343	1780	236
14	310	692	315	315	1060	3150	2460	327	1260	275	2090	216
15	295	572	578	340	1100	3740	2020	309	1050	252	1220	188
16	281	493	1620	358	2520	3560	1720	827	1000	221	806	166
17	271	449	3520	415	5520	3750	1550	1930	869	192	584	149
18	266	412	8380	469	6650	4290	e1380	4980	699	189	461	139
19	252	379	5160	1240	4540	3860	e1230	6470	599	211	395	130
20	254	353	3360	7120	3280	3040	e1080	8670	516	276	347	130
21	247	332	2300	8830	2560	3400	996	9030	446	289	320	133
22	243	306	1770	5110	2080	7110	981	7870	393	246	291	144
23	239	243	1480	3340	1740	5900	979	22800	406	255	272	139
24	236	239	1160	2630	1560	4320	923	11600	490	226	337	139
25	223	244	883	2160	1570	3470	863	7260	437	189	389	186
26	214	269	1040	1630	2310	2780	806	12400	554	193	329	198
27	207	319	711	1370	2810	2280	743	8230	424	1550	289	196
28	203	367	669	1190	2500	1880	684	5430	358	2110	340	183
29	200	513	685	1080	---	1640	631	3870	309	8350	293	191
30	191	488	700	1180	---	4790	581	2770	280	23100	256	171
31	188	---	598	4970	---	6300	---	2100	---	9190	249	---
TOTAL	12512	11727	39663	49118	67326	87420	62267	122919	32910	52904	31946	6729
MEAN	404	391	1279	1584	2404	2820	2076	3965	1097	1707	1031	224
MAX	1360	1330	8380	8830	6650	7110	5360	22800	2820	23100	4790	503
MIN	188	163	264	315	936	1070	581	309	280	189	249	130
CFSM	.30	.29	.94	1.16	1.76	2.07	1.52	2.91	.80	1.25	.76	.16
IN.	.34	.32	1.08	1.34	1.84	2.38	1.70	3.35	.90	1.44	.87	.18

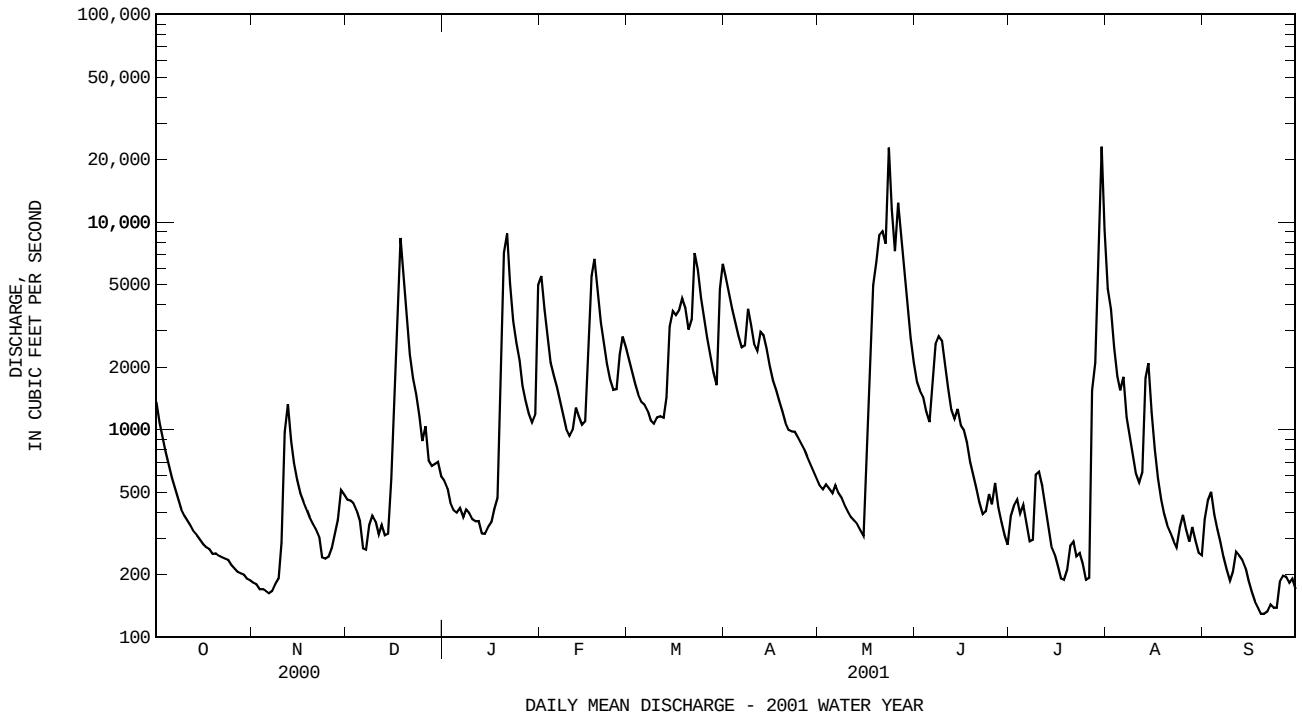
03183500 GREENBRIER RIVER AT ALDERSON, WV--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1895 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	712	1241	2245	3064	3503	4521	3048	2380	1317	809	719	430
MAX	4480	6006	6409	7866	7739	10970	7568	5700	6045	3481	4390	1900
(WY)	1977	1986	1974	1996	1897	1963	1987	1996	1907	1919	1898	1906
MIN	35.6	68.9	172	242	411	1332	802	489	203	68.9	43.2	33.8
(WY)	1931	1931	1931	1981	1934	1915	1915	1941	1991	1930	1930	1930

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1895 - 2001	
ANNUAL TOTAL	585174		577441			
ANNUAL MEAN	1599		1582		1994	
HIGHEST ANNUAL MEAN					3372	1908
LOWEST ANNUAL MEAN					983	1941
HIGHEST DAILY MEAN	19500	Feb 20	23100	Jul 30	63100	Jan 20 1996
LOWEST DAILY MEAN	163	Nov 6	130	(a)	26	Aug 11 1930
ANNUAL SEVEN-DAY MINIMUM	172	Nov 2	136	Sep 18	28	Sep 29 1930
MAXIMUM PEAK FLOW			30000	Jul 30	(b)94000	Jan 20 1996
MAXIMUM PEAK STAGE			12.95	Jul 30	24.33	Jan 20 1996
INSTANTANEOUS LOW FLOW			124	Sep 19	24	(c)
ANNUAL RUNOFF (CFSM)	1.17		1.16		1.46	
ANNUAL RUNOFF (INCHES)	15.96		15.75		19.86	
10 PERCENT EXCEEDS	3640		3820		4760	
50 PERCENT EXCEEDS	841		598		936	
90 PERCENT EXCEEDS	271		209		144	

a Sept. 19, 20.
b From rating curve extended above 37,000 ft^3/s on basis of slope-area measurement of peak flow.
c Aug. 12, Oct. 1, 2, 1930.
e Estimated.



03184000 GREENBRIER RIVER AT HILLDALE, WV

LOCATION.--Lat 37°38'24", long 80°48'19", Summers County, Hydrologic Unit 05050003, on left bank 100 ft downstream from State Highway 3 bridge at Hilldale, 0.1 mi upstream from Howard Creek, 0.9 mi upstream from Powley Creek, 5.0 mi southeast of Hinton, and at mile 5.5. Records include flow of Howard Creek.

DRAINAGE AREA.--1,619 mi^2, includes that of Howard Creek.

PERIOD OF RECORD.--June 1936 to current year.

REVISED RECORDS.--WSP 1435: 1955. WDR WV-82-1: Drainage area. WDR WV-97-1: 1937(P), 1938(M), 1939(P), 1940-42(M), 1953(M), 1955(M), 1960(M), 1962-64(M), 1967(P), 1969-70(M), 1972(P), 1974(M), 1977-78(P), 1984(M).

GAGE.--Water-stage recorder. Datum of gage is 1,388.66 ft above sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--No estimated daily discharges. Records good. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 18, 1936, reached a stage of 21.85 ft from data furnished by U.S. Army Corps of Engineers, discharge, 60,800 ft^3/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 24,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 23	1700	29,900	14.75	Jul 30	1100	*32,500	*15.47

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	1550	177	455	535	6530	2510	6410	552	2170	284	6120	244
2	1290	174	438	499	4410	2170	5280	514	1900	397	4550	387
3	1030	172	438	443	3210	1870	4380	521	1720	405	3150	436
4	833	163	418	357	2410	1640	3760	519	1500	413	2270	427
5	699	162	386	369	1920	1490	3270	499	1300	378	1800	344
6	604	159	341	384	1700	1440	2840	500	1280	386	1950	296
7	514	158	263	360	1460	1370	2910	511	2870	314	1540	260
8	452	162	261	387	1240	1270	3920	479	2980	436	1100	223
9	401	176	347	381	1070	1210	3700	456	3020	469	943	197
10	364	222	369	320	952	1280	2990	415	2370	711	749	184
11	342	513	343	366	918	1320	2590	387	1780	563	844	204
12	320	1220	309	377	1090	1300	2920	367	1370	508	678	234
13	302	1050	328	359	1210	1420	3100	355	1090	390	1690	226
14	288	778	316	344	1090	2830	2720	335	1340	330	2520	214
15	274	634	335	340	1060	4180	2260	320	1170	260	1490	196
16	263	533	1010	348	1630	3950	1880	1870	1010	239	942	172
17	251	468	2640	368	6060	4130	1640	3720	976	214	663	155
18	244	423	8560	444	7870	4510	1470	6520	771	197	512	142
19	237	391	6200	580	5570	4380	1290	8820	617	198	428	133
20	223	362	3920	6430	3890	3460	1150	8560	529	223	369	131
21	222	340	2570	11000	2990	3300	1030	11800	453	272	326	129
22	222	320	1950	6500	2400	7180	978	10900	391	272	301	128
23	217	296	1490	4070	1980	7170	970	24400	388	246	274	130
24	215	241	1010	3070	1730	5110	943	16200	447	244	278	135
25	213	235	735	2490	1700	3960	865	9350	432	219	333	147
26	206	242	581	1910	2340	3210	807	14900	472	242	353	168
27	195	261	632	1460	3110	2600	749	10900	466	869	306	178
28	190	303	590	1310	2910	2130	689	6830	378	2760	285	176
29	186	377	520	1110	---	1810	637	4890	322	8280	300	164
30	182	480	523	1120	---	5150	594	3520	284	26000	268	160
31	178	---	564	3850	---	7510	---	2690	---	12900	243	---
TOTAL	12707	11192	38842	51881	74450	96860	68742	152600	35796	59619	37575	6320
MEAN	410	373	1253	1674	2659	3125	2291	4923	1193	1923	1212	211
MAX	1550	1220	8560	11000	7870	7510	6410	24400	3020	26000	6120	436
MIN	178	158	261	320	918	1210	594	320	284	197	243	128
CFSM	.25	.23	.77	1.03	1.64	1.93	1.42	3.04	.74	1.19	.75	.13
IN.	.29	.26	.89	1.19	1.71	2.23	1.58	3.51	.82	1.37	.86	.15

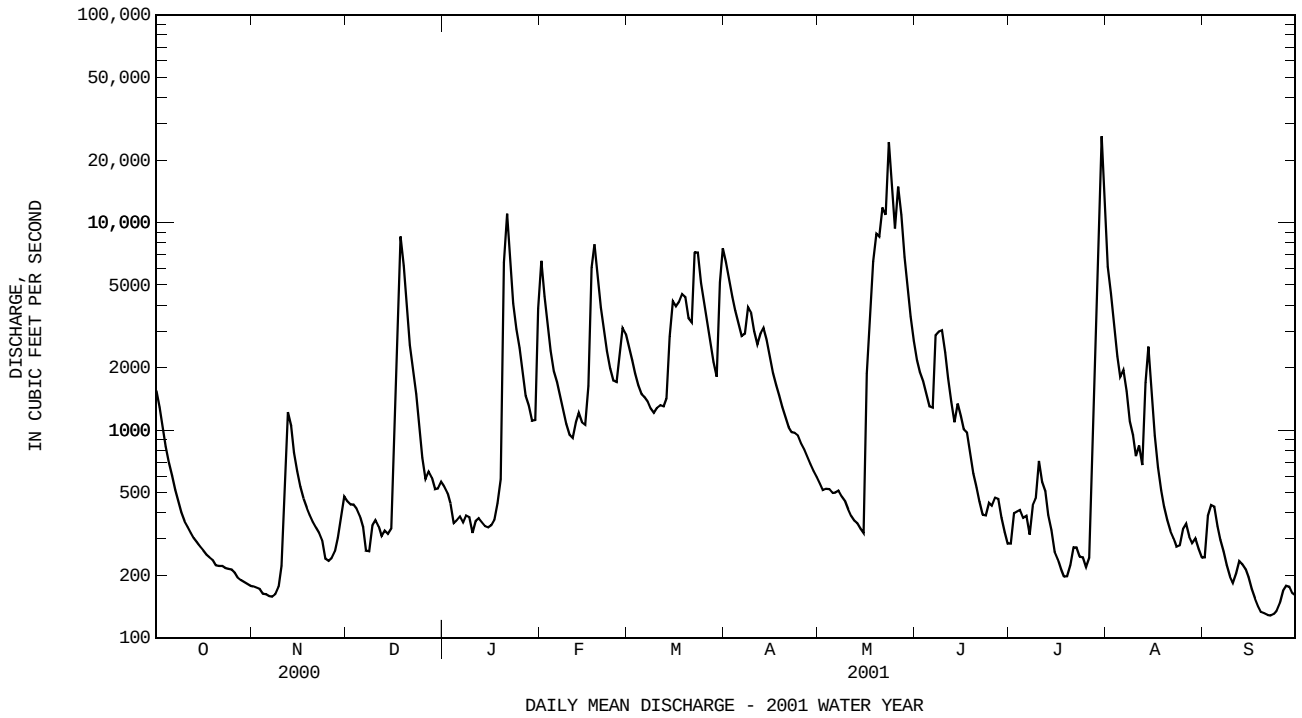
03184000 GREENBRIER RIVER AT HILLDALE, WV--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	788	1346	2633	3435	4133	5166	3549	2822	1412	769	754	468
MAX	5112	6109	7866	9208	9096	12910	9535	6673	4713	3372	3800	2005
(WY)	1977	1986	1974	1996	1994	1963	1987	1989	1982	1972	1942	1996
MIN	46.4	76.8	260	302	930	1436	901	586	219	84.4	72.1	59.6
(WY)	1954	1954	1961	1981	1978	1988	1986	1941	1999	1999	1987	1946

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1936 - 2001	
ANNUAL TOTAL	638474		646584			
ANNUAL MEAN	1744		1771		2267	
HIGHEST ANNUAL MEAN					3359	1973
LOWEST ANNUAL MEAN					1189	1941
HIGHEST DAILY MEAN	25700	Feb 20	26000	Jul 30	79400	Jan 20 1996
LOWEST DAILY MEAN	158	Nov 7	128	Sep 22	39	Sep 19 1946
ANNUAL SEVEN-DAY MINIMUM	164	Nov 2	133	Sep 18	44	Oct 17 1953
MAXIMUM PEAK FLOW			32500	Jul 30	93000	Jan 20 1996
MAXIMUM PEAK STAGE			15.47	Jul 30	26.88	Jan 20 1996
INSTANTANEOUS LOW FLOW			128	(a)	39	(b)
ANNUAL RUNOFF (CFSM)	1.08		1.09		1.40	
ANNUAL RUNOFF (INCHES)	14.67		14.86		19.02	
10 PERCENT EXCEEDS	4070		4380		5460	
50 PERCENT EXCEEDS	865		580		1050	
90 PERCENT EXCEEDS	263		210		150	

a Sept. 21-23.
b Sept. 18-20, 1946, Sept. 16, 1964.



DAILY MEAN DISCHARGE - 2001 WATER YEAR

03184500 NEW RIVER AT HINTON, WV

LOCATION.--Lat 37°40'13", long 80°53'34", Summers County, Hydrologic Unit 05050004, on right bank at Hinton, 0.2 mi upstream from Madam Creek, 1.5 mi downstream from Greenbrier River, at New River mile 62.0 and Kanawha River mile 160.0.

DRAINAGE AREA.--6,256 mi^2.

PERIOD OF RECORD.--June 1936 to current year.

REVISED RECORDS.--WDR WV-82-1: Drainage area. WDR WV-85-1: 1984(m): WDR WV-99-1: 1998 (m).

GAGE.--Water-stage recorder. Datum of gage is 1,355.18 ft above sea level. Prior to June 5, 1949, water-stage recorder at site 400 ft upstream at same datum.

REMARKS.--No estimated daily discharges. Records fair. Flow regulated since May 1939 by Claytor Lake and since August 1949 by Bluestone Lake. U.S. Army Corps of Engineers satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Maximum discharge, 58,300 ft^3/s, May 23, gage height, 8.41 ft.

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	3070	1380	3300	1880	8480	6010	22500	2300	6880	3580	25200	2190
2	2510	1380	3150	1820	6250	5950	17200	2040	6820	3250	14500	2450
3	2230	1380	3110	1810	5040	5600	14500	2060	7580	2880	8070	2770
4	2110	1370	2070	1790	4380	4410	12000	2260	6140	3100	6500	2950
5	2000	1370	1560	1840	3900	3720	10700	2500	5230	3350	6840	2430
6	1930	1360	1650	1930	3380	4390	11700	2570	5520	3630	7160	1990
7	2050	1360	1750	1860	3040	4740	10500	2400	9100	3330	5370	1950
8	1940	1370	1740	1880	2860	5540	8370	2280	12200	9360	4250	2350
9	1780	1450	1840	1920	2920	5400	6750	2240	10300	16800	4080	1980
10	1720	1900	1860	1780	2920	5070	7750	2230	8670	10600	3410	2210
11	1710	2430	1820	1710	2780	4350	7480	2180	6450	6000	3310	2150
12	1670	3270	1760	1850	2800	3960	6880	2170	5600	4910	3620	2260
13	1480	3420	1810	1820	2750	4500	6820	2160	5230	3690	4410	1980
14	1400	2740	1860	1740	2750	6200	5600	2140	4590	3030	6380	2280
15	1580	2320	1920	1740	2940	7540	4960	2110	4330	2600	5700	2010
16	1500	2090	2590	1870	4240	8040	5200	7520	3740	2300	4880	1770
17	1440	2190	4010	2000	10300	8640	5040	25500	4330	2250	3890	1650
18	1440	2220	9250	2290	13800	8820	4680	35700	4030	2300	3300	1590
19	1440	2200	8780	2840	12500	7190	4210	33500	3540	2340	2810	1550
20	1430	1930	7220	9150	9370	6830	3990	18900	3250	2360	2520	1430
21	1540	1750	4630	15300	6550	6760	3900	20500	2990	2590	2840	1840
22	1600	2050	3550	11800	5620	11300	3960	30300	2860	2660	2660	1830
23	1480	2300	3240	9430	5600	16000	3630	52200	3030	2390	2790	1370
24	1410	2090	2720	6780	5210	12400	3950	48100	3470	2260	2580	1390
25	1410	2090	2470	5390	4610	10900	3790	34000	4020	2170	2370	1330
26	1410	2210	2160	5150	5050	8130	3100	37700	3570	2760	2410	1690
27	1400	2690	2250	4020	6350	8100	3240	33700	3660	4440	2350	1980
28	1410	3740	2330	3140	6410	6480	4240	20600	4500	6810	2340	2040
29	1390	4450	2160	2830	---	6380	4620	14900	4420	20100	2340	1750
30	1380	3510	2070	3140	---	16700	3980	11800	3700	51600	2280	1600
31	1380	---	2020	5670	---	27500	---	8660	---	41100	2180	---
TOTAL	52240	66010	92650	118170	152800	247550	215240	467220	159750	230540	153340	58760
MEAN	1685	2200	2989	3812	5457	7985	7175	15070	5325	7437	4946	1959
MAX	3070	4450	9250	15300	13800	27500	22500	52200	12200	51600	25200	2950
MIN	1380	1360	1560	1710	2750	3720	3100	2040	2860	2170	2180	1330

03184500 NEW RIVER AT HINTON, WV--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 1938, BY WATER YEAR (WY) [UNREGULATED]

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	11260	5164	7666	17720	11710	10180	7563	7767	6657	5842	5238	3606
MAX	17110	7554	7958	26230	14240	12070	7996	8741	9633	11730	7740	5551
(WY)	1938	1938	1937	1937	1937	1938	1937	1938	1938	1938	1938	1937
MIN	5415	2773	7374	9209	9181	8285	7129	6792	3681	2820	2946	2225
(WY)	1937	1937	1938	1938	1938	1937	1938	1937	1937	1937	1936	1936

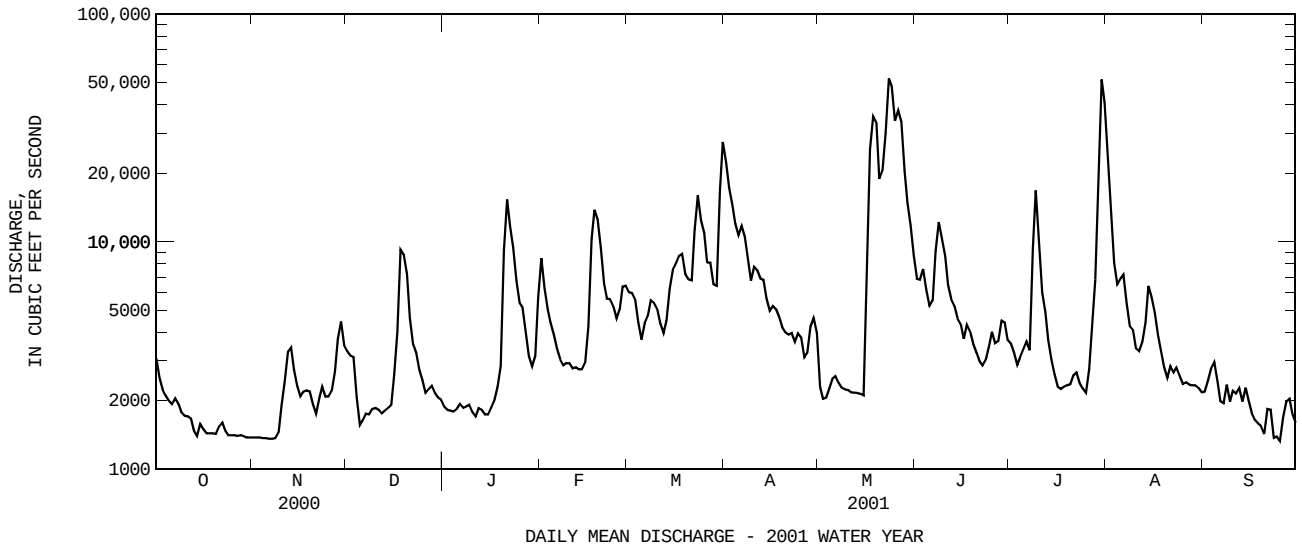
SUMMARY STATISTICS	WATER YEARS 1936 - 1938	
ANNUAL MEAN	8642	
HIGHEST ANNUAL MEAN	9236	1938
LOWEST ANNUAL MEAN	8047	1937
HIGHEST DAILY MEAN	79500	Jan 21 1937
LOWEST DAILY MEAN	1300	Sep 23 1936
ANNUAL SEVEN-DAY MINIMUM	1580	Sep 21 1936
10 PERCENT EXCEEDS	15900	
50 PERCENT EXCEEDS	5570	
90 PERCENT EXCEEDS	2370	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2001, BY WATER YEAR (WY) [REGULATED, UNADJUSTED]

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3922	5194	7772	10040	12900	15260	12180	9669	6265	4177	3968	3266
MAX	14720	16780	19380	24310	30020	32430	35060	18470	17490	11330	19800	13460
(WY)	1977	1978	1949	1996	1957	1955	1987	1958	1992	1949	1940	1989
MIN	1371	1587	1736	1850	4855	4005	3717	3074	1960	1489	1386	1450
(WY)	1942	1940	1940	1956	1941	1988	1986	1941	1988	1988	1988	1953

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1939 - 2001	
ANNUAL TOTAL	1780090		2014270			
ANNUAL MEAN	4864		5519		7860	
HIGHEST ANNUAL MEAN					11490	1973
LOWEST ANNUAL MEAN					3988	1988
HIGHEST DAILY MEAN	40600	Feb 20	52200	May 23	170000	Aug 15 1940
LOWEST DAILY MEAN	1360	(a)	1330	Sep 25	620	Nov 3 1980
ANNUAL SEVEN-DAY MINIMUM	1370	Nov 2	1370	Nov 2	828	Jul 8 1988
MAXIMUM PEAK FLOW			58300	May 23	(b)246000	Aug 15 1940
MAXIMUM PEAK STAGE			8.41	May 23	18.97	Aug 15 1940
INSTANTANEOUS LOW FLOW			817	Sep 21	238	Aug 21 1962
10 PERCENT EXCEEDS	9520		10800		16700	
50 PERCENT EXCEEDS	3290		3100		4990	
90 PERCENT EXCEEDS	1750		1630		1860	

a Nov. 6, 7.
b From rating curve extended above 80,000 ft^3/s on basis of slope-area measurement at station at Bluestone Dam, and gaged inflow from Greenbrier River.



DAILY MEAN DISCHARGE - 2001 WATER YEAR

03185400 NEW RIVER AT THURMOND, WV

LOCATION.--Lat 37°57'18", long 81°04'36", Fayette County, Hydrologic Unit 05050004, on right bank at Thurmond, at Chessie System pump house, 0.1 mi upstream from Dunloup Creek, 0.3 mi upstream from railroad/highway bridge, at New River mile 25.8 and Kanawha River mile 122.4.

DRAINAGE AREA.--6,687 mi^2, excluding that of Dunloup Creek.

PERIOD OF RECORD.--February 1981 to current year.

REVISED RECORDS.--WDR WV-97-1: 1981-92(M).

GAGE.--Water-stage recorder. Datum of gage is 1,030.71 ft above sea level.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Claytor Lake and Bluestone Lake. U. S. Army Corps of Engineers satellite telemeter and National Park Service gage-height telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Maximum discharge, 65,400 ft^3/s, July 30, gage height, 17.25 ft.

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	3840	1410	3510	2270	9720	7100	26400	3300	7630	3730	31700	2430
2	3140	1410	3410	2050	8000	6750	20200	2300	7410	3950	19100	2520
3	2610	1400	3300	2010	6200	6790	16300	2260	7810	2920	10700	2760
4	2430	1400	2520	2080	5360	5680	14900	2290	7480	3210	7820	3290
5	2300	1400	1960	1990	4750	4550	11400	2730	5820	3380	7560	2990
6	2190	1390	1410	2110	4300	4780	13100	2900	6190	3790	8260	2310
7	2090	1410	1770	2100	3620	5580	13000	2830	9900	3720	6980	1980
8	2260	1420	1750	2090	3380	5870	10800	2510	12600	15100	4620	2280
9	1950	1450	1740	2050	3230	6710	8460	2470	11900	23200	4810	2420
10	1880	1890	1870	2200	3390	6030	8160	2440	9480	15600	4130	2000
11	1830	2440	1860	1990	3270	5650	9080	2400	7800	8020	3800	2260
12	1800	3060	1800	1910	3080	5130	7750	2370	5940	6240	3810	2400
13	1760	3830	1790	1980	3200	5830	7750	2340	6010	4900	4840	2200
14	1470	3450	1920	1940	3060	7140	7160	2290	4670	3550	6580	2190
15	1510	2620	2090	1870	3520	8920	5540	2320	4780	3150	6440	2340
16	1700	2330	2270	1960	4590	9560	5920	7380	4030	2630	5840	1930
17	1540	2190	4060	2170	11900	10200	5730	25000	4410	2470	4770	1760
18	1550	2350	8130	2310	15900	10000	5480	43600	4550	2590	3680	1630
19	1530	2330	10100	3760	14700	9210	4980	40900	3660	2630	3420	1590
20	1500	2280	8640	9090	12000	7510	4520	23400	3500	2590	2770	1590
21	1490	1840	6270	17200	8490	7970	4410	21900	3010	2640	2730	1480
22	1660	1800	4210	14300	6620	10400	4360	31800	2950	2900	3210	1930
23	1660	2300	3730	11300	6490	17400	4250	56000	3180	2800	2650	1920
24	1490	2400	3310	8880	6320	14900	4150	53900	3350	2390	3320	1440
25	1470	2050	2830	6480	5880	12200	4510	39000	3930	2430	2570	1560
26	1460	2230	2470	5990	5730	10200	3910	37700	4230	7680	2590	1400
27	1450	2310	2450	5510	7030	9080	3030	37100	3400	13300	2590	2040
28	1440	3430	2670	3970	7560	7530	4250	24900	4400	10600	2510	2120
29	1430	4310	2730	3410	---	7230	4960	17100	4940	26500	2490	2160
30	1420	4650	2370	3810	---	13600	5000	13100	4200	57800	2470	1720
31	1410	---	2290	5130	---	28600	---	10300	---	48200	2430	---
TOTAL	57260	68780	101230	135910	181290	278100	249460	520830	173160	294610	181190	62640
MEAN	1847	2293	3265	4384	6475	8971	8315	16800	5772	9504	5845	2088
MAX	3840	4650	10100	17200	15900	28600	26400	56000	12600	57800	31700	3290
MIN	1410	1390	1410	1870	3060	4550	3030	2260	2950	2390	2430	1400

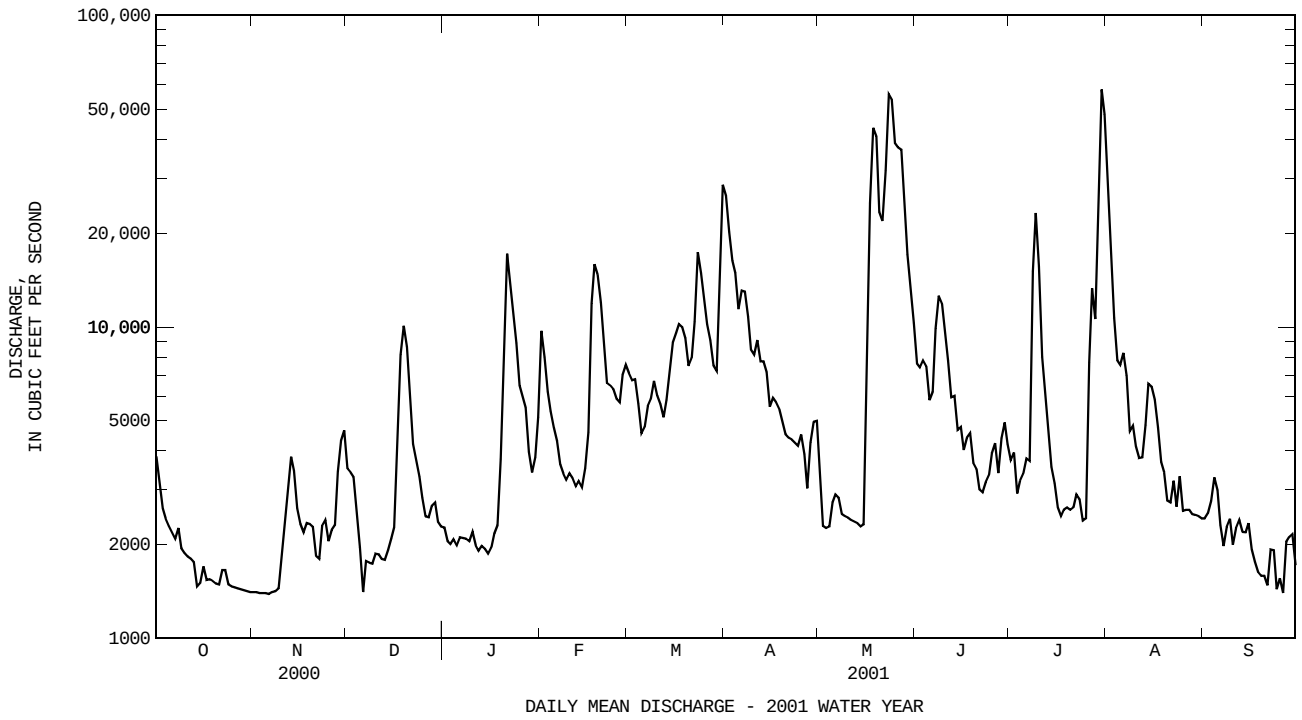
03185400 NEW RIVER AT THURMOND, WV--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3716	5509	8277	11570	15010	16300	13350	11690	6994	4255	3876	3181
MAX	16510	15260	18020	27470	28590	34950	40500	19650	19050	9504	9235	14310
(WY)	1990	1986	1997	1996	1994	1993	1987	1989	1992	2001	1994	1989
MIN	1388	2164	2442	3517	6475	4154	3958	5033	2010	1532	1393	1626
(WY)	1992	1999	1999	2000	2001	1988	1986	2000	1988	1988	1988	1998

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1981 - 2001	
ANNUAL TOTAL	2016550		2304460			
ANNUAL MEAN	5510		6314		8653	
HIGHEST ANNUAL MEAN					11540	1987
LOWEST ANNUAL MEAN					4336	1988
HIGHEST DAILY MEAN	48000	Feb 20	57800	Jul 30	92500	Jan 20 1996
LOWEST DAILY MEAN	1390	Nov 6	1390	Nov 6	808	Jul 11 1988
ANNUAL SEVEN-DAY MINIMUM	1400	Oct 31	1400	Oct 31	852	Jul 6 1988
MAXIMUM PEAK FLOW			65400	Jul 30	(a)100000	Jan 20 1996
MAXIMUM PEAK STAGE			17.25	Jul 30	20.35	Jan 20 1996
INSTANTANEOUS LOW FLOW			1330	Dec 6	589	Oct 20 1994
10 PERCENT EXCEEDS	10800		13000		18700	
50 PERCENT EXCEEDS	3800		3430		5200	
90 PERCENT EXCEEDS	1820		1730		1830	

a From rating curve extended above 59,000 ft^3/s.



03186500 WILLIAMS RIVER AT DYER, WV

LOCATION.--Lat 38°22'44", long 80°29'03", Webster County, Hydrologic Unit 05050005, on left bank at Dyer, 0.2 mi downstream from Craig Run, 7.0 mi southwest of Webster Springs, and at mile 2.3.

DRAINAGE AREA.--128 mi^2.

PERIOD OF RECORD.--September 1929 to current year. Monthly discharge only for some periods, published in WSP 1305.

REVISED RECORDS.--WSP 1275: 1930.

GAGE.--Water-stage recorder. Datum of gage is 2,193.46 ft above sea level, adjustment of 1912. Prior to June 11, 1930, nonrecording gage at same site and datum.

REMARKS.--Records good except those for periods of estimated daily discharges (ice effect), which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jul 29	1630	*10,200	*11.37	No other peak greater than base discharge.			

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	185	33	160	e91	623	189	553	114	196	61	451	62
2	154	32	150	e85	447	179	490	105	187	199	287	68
3	129	31	135	e80	318	162	457	96	194	113	202	39
4	110	30	115	e76	277	151	432	106	164	68	158	27
5	96	30	127	e72	245	155	422	104	233	55	264	22
6	87	28	110	e69	204	133	525	89	255	50	164	19
7	83	30	110	e66	181	324	793	77	723	42	113	16
8	74	35	104	e63	167	180	525	69	584	175	88	14
9	69	46	94	e60	196	135	413	66	376	225	70	13
10	68	589	82	e57	532	119	620	60	265	115	61	12
11	65	404	84	e55	395	125	862	53	198	83	61	11
12	60	291	103	e52	298	213	609	53	154	62	60	10
13	54	245	112	e50	257	1100	498	53	156	49	105	9.9
14	50	209	351	89	318	1000	405	46	320	41	76	9.6
15	47	177	521	125	1490	658	328	42	141	34	50	8.3
16	44	154	393	211	1430	564	301	184	187	28	40	7.4
17	42	139	1540	212	1970	657	283	306	191	25	33	6.7
18	58	122	803	176	931	523	262	1050	126	27	28	6.3
19	80	110	550	773	592	405	250	2180	93	43	24	5.9
20	63	102	385	1490	436	342	330	1650	74	40	22	7.5
21	54	94	312	787	344	614	369	941	61	33	20	16
22	50	87	264	513	274	725	417	1830	93	26	18	13
23	48	118	193	384	234	549	327	1940	293	20	20	10
24	45	95	e170	314	201	454	281	899	196	17	35	10
25	45	82	155	249	226	369	241	1300	120	16	36	30
26	42	178	e140	199	333	299	205	1280	90	622	25	47
27	41	254	e125	204	246	242	179	760	71	760	23	27
28	40	209	e115	164	218	204	159	596	58	299	26	18
29	39	181	e110	157	---	204	138	418	50	5230	22	14
30	37	183	e105	875	---	654	123	307	54	2300	18	12
31	35	---	e97	1000	---	645	---	235	---	818	16	---
TOTAL	2094	4318	7815	8798	13383	12273	11797	17009	5903	11676	2616	571.6
MEAN	67.5	144	252	284	478	396	393	549	197	377	84.4	19.1
MAX	185	589	1540	1490	1970	1100	862	2180	723	5230	451	68
MIN	35	28	82	50	167	119	123	42	50	16	16	5.9
CFSM	.53	1.12	1.97	2.22	3.73	3.09	3.07	4.29	1.54	2.94	.66	.15
IN.	.61	1.25	2.27	2.56	3.89	3.57	3.43	4.94	1.72	3.39	.76	.17

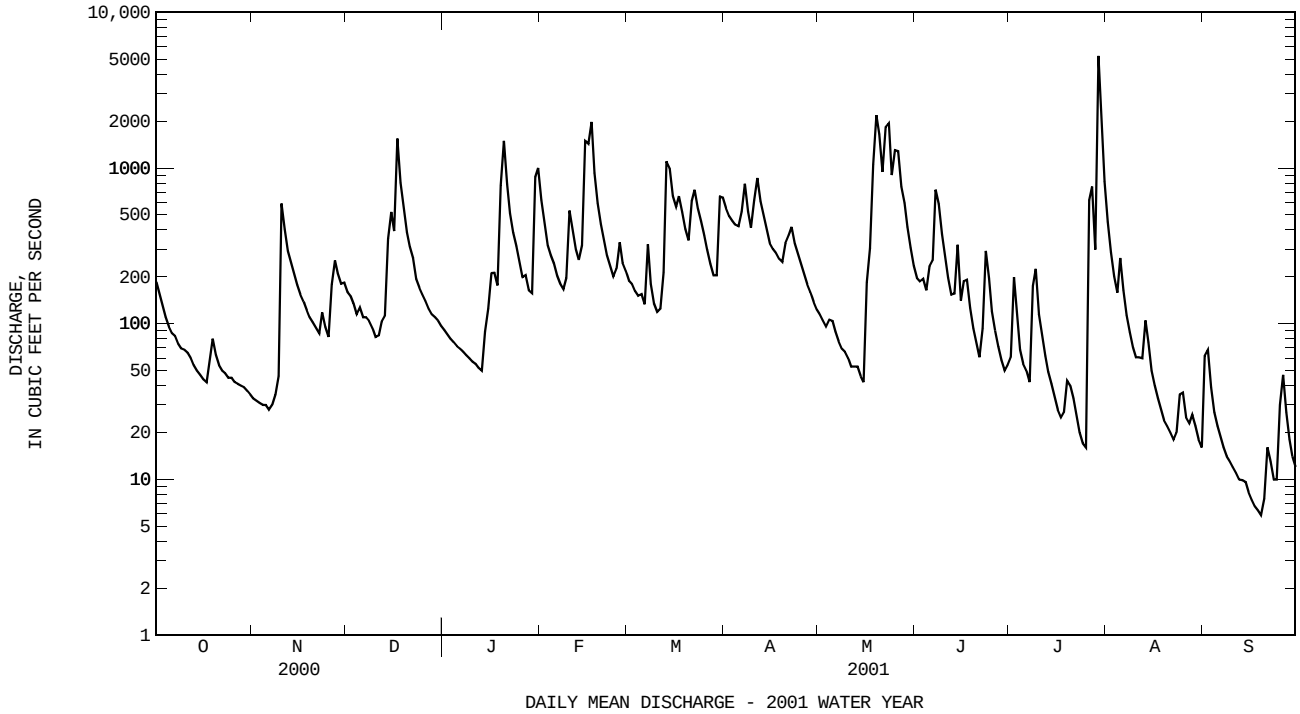
03186500 WILLIAMS RIVER AT DYER, WV--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	163	295	415	460	520	658	486	361	206	188	169	91.0
MAX	852	1085	934	985	1005	1518	1421	845	769	803	710	408
(WY)	1930	1986	1979	1996	1939	1963	1958	1996	1940	1954	1989	1950
MIN	1.07	8.87	94.9	75.7	118	326	160	66.1	19.5	5.85	6.97	2.34
(WY)	1954	1954	1940	1940	1978	1976	1995	1964	1965	1930	1944	1953

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1929 - 2001	
ANNUAL TOTAL	118909		98253.6			
ANNUAL MEAN	325		269		334	
HIGHEST ANNUAL MEAN					480	1994
LOWEST ANNUAL MEAN					187	1941
HIGHEST DAILY MEAN	5250	Feb 19	5230	Jul 29	10000	Jul 4 1932
LOWEST DAILY MEAN	28	Nov 6	5.9	Sep 19	.50	(a)
ANNUAL SEVEN-DAY MINIMUM	31	Nov 1	7.4	Sep 14	.54	Oct 11 1953
MAXIMUM PEAK FLOW			10200	Jul 29	(b)22000	Jul 4 1932
MAXIMUM PEAK STAGE			11.37	Jul 29	(c)18.45	Jul 4 1932
INSTANTANEOUS LOW FLOW			5.6	Sep 20	.49	(d)
ANNUAL RUNOFF (CFSM)	2.54		2.10		2.61	
ANNUAL RUNOFF (INCHES)	34.56		28.55		35.43	
10 PERCENT EXCEEDS	686		622		765	
50 PERCENT EXCEEDS	207		133		180	
90 PERCENT EXCEEDS	61		25		20	

a Oct. 13-16, 21, 1953.
b From rating curve extended above 7,000 ft^3/s on basis of slope-area measurements at gage heights 12.33 ft and 18.45 ft.
c From floodmarks.
d Sept. 12, 13, 1995.
e Estimated.



03187500 CRANBERRY RIVER NEAR RICHWOOD, WV

LOCATION.--Lat 38°17'43", long 80°31'36", Nicholas County, Hydrologic Unit 05050005, Monongahela National Forest, on left bank 30 ft downstream from U.S. Forest Service highway bridge, 0.6 mi upstream from Barrenshe Run, 5.0 mi north of Richwood, and at mile 5.6.

DRAINAGE AREA.--80.4 mi^2.

PERIOD OF RECORD.--October 1944 to December 1951, June 1964 to September 1982, March 1984 to current year.

REVISED RECORDS.--WDR WV-82-1: Drainage area. WDR WV-97-1: 1946(M), 1948(M), 1954(M), 1967(P), 1970(M), 1972-79(M), 1980-81(P), 1986(P), 1989(P), 1991-92(M), 1994(P).

GAGE.--Water-stage recorder. Elevation of gage is approximately 2,100 ft above sea level, from topographic map.

REMARKS.--Records good except those for period of estimated daily discharges (ice effect), which are poor. Gage-height data for water years 1972-79 provided by U.S. Forest Service.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 19, 1954, reached a stage of 12.22 ft, discharge, 12,200 ft^3/s, from floodmarks, present site and datum.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,900 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jul 26	1900	5,950	8.72	Jul 29	1700	*10,500	*11.09

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	132	22	99	e62	338	124	325	76	141	24	357	149
2	110	21	94	e58	253	117	287	71	141	123	249	137
3	93	21	87	e55	191	109	272	70	149	74	176	70
4	79	20	67	e52	176	103	260	70	127	42	132	46
5	69	20	82	e49	154	108	250	63	160	33	149	38
6	63	19	77	e46	130	90	248	55	210	29	100	29
7	59	21	74	e44	118	85	293	48	457	24	72	21
8	52	26	70	e42	112	96	234	44	384	89	58	18
9	49	36	63	e40	127	89	199	43	264	145	46	16
10	47	420	56	e38	292	80	242	40	196	76	40	13
11	44	301	56	e36	245	83	320	35	150	64	49	12
12	41	221	66	e35	189	128	265	34	118	44	39	12
13	37	184	71	e34	166	554	241	33	94	33	49	11
14	33	158	147	56	201	565	215	29	97	26	43	9.6
15	31	133	248	85	875	379	185	28	77	21	29	8.4
16	29	116	204	180	873	338	176	127	80	18	22	7.4
17	27	106	756	174	1170	389	168	203	74	16	18	6.8
18	45	92	459	139	551	316	157	441	54	18	16	6.2
19	62	83	315	521	362	256	147	1320	41	40	14	5.6
20	47	77	226	849	275	221	176	865	32	43	13	7.0
21	40	71	189	468	223	340	191	509	26	35	13	11
22	36	68	161	313	183	412	235	1030	33	23	12	8.5
23	34	73	128	241	157	328	195	1160	139	17	14	7.4
24	32	69	e115	195	138	274	173	531	100	14	44	8.3
25	31	63	e105	159	143	231	154	772	60	13	42	21
26	30	96	e96	128	200	195	134	762	44	1390	22	32
27	29	135	e90	135	156	164	119	446	34	1050	19	20
28	28	119	e83	116	140	142	106	373	27	498	20	14
29	27	108	e76	107	---	139	92	273	22	5370	18	12
30	25	109	e70	387	---	371	82	211	23	2000	19	10
31	23	---	e66	499	---	370	---	167	---	655	16	---
TOTAL	1484	3008	4496	5343	8138	7196	6141	9929	3554	12047	1910	767.2
MEAN	47.9	100	145	172	291	232	205	320	118	389	61.6	25.6
MAX	132	420	756	849	1170	565	325	1320	457	5370	357	149
MIN	23	19	56	34	112	80	82	28	22	13	12	5.6
CFSM	.60	1.25	1.80	2.14	3.61	2.89	2.55	3.98	1.47	4.83	.77	.32
IN.	.69	1.39	2.08	2.47	3.77	3.33	2.84	4.59	1.64	5.57	.88	.35

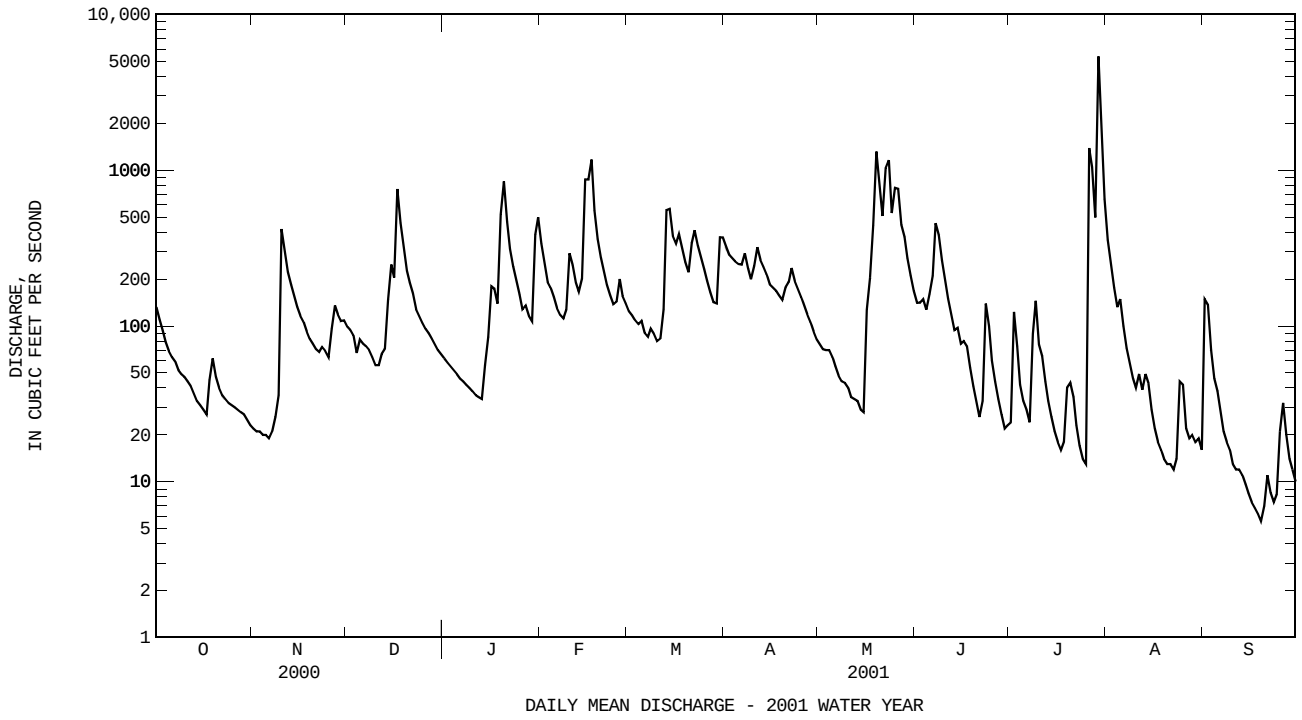
03187500 CRANBERRY RIVER NEAR RICHWOOD, WV--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	118	217	308	318	347	434	308	268	150	126	111	84.6
MAX	613	746	632	636	642	954	570	567	447	389	562	313
(WY)	1977	1986	1979	1974	1982	1984	1987	1996	1974	2001	1989	1971
MIN	6.65	18.8	63.0	40.3	68.2	232	114	86.1	12.7	7.64	8.56	2.50
(WY)	1999	1999	1966	1977	1978	2001	1995	1991	1966	1993	1946	1946

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1945 - 2001	
ANNUAL TOTAL	73557		64013.2			
ANNUAL MEAN	201		175		232	
HIGHEST ANNUAL MEAN					318	1979
LOWEST ANNUAL MEAN					126	1999
HIGHEST DAILY MEAN	3090	Feb 19	5370	Jul 29	6770	Mar 21 1984
LOWEST DAILY MEAN	19	Nov 6	5.6	Sep 19	.16	Aug 21 1987
ANNUAL SEVEN-DAY MINIMUM	21	Nov 1	7.3	Sep 14	.28	Aug 15 1987
MAXIMUM PEAK FLOW			10500	Jul 29	(a)11200	Aug 21 1989
MAXIMUM PEAK STAGE			11.09	Jul 29	(b)11.93	Aug 21 1989
INSTANTANEOUS LOW FLOW			5.2	Sep 20	.14	Aug 22 1987
ANNUAL RUNOFF (CFSM)	2.50		2.18		2.88	
ANNUAL RUNOFF (INCHES)	34.03		29.62		39.16	
10 PERCENT EXCEEDS	386		372		526	
50 PERCENT EXCEEDS	142		89		131	
90 PERCENT EXCEEDS	40		19		16	

a From rating curve extended above 9,000 ft^3/s on basis of slope-area measurement at gage height 11.00 ft.
b From floodmarks.
e Estimated.



03189100 GAULEY RIVER NEAR CRAIGSVILLE, WV

LOCATION.--Lat 38°17'27", long 80°38'28", Nicholas County, Hydrologic Unit 05050005, on right bank at downstream side of highway bridge on State Highway 20, 200 ft downstream from Cherry River, 1.8 mi downstream from Cranberry River, 2.7 mi south of Craigsville, and at mile 61.5.

DRAINAGE AREA.--529 mi^2.

PERIOD OF RECORD.--October 1964 to September 1982, October 1982 to September 1983 (gage heights, discharge measurements, and annual maximum discharge only), October 1985 to current year.

REVISED RECORDS.--WDR WV-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,870.00 ft above sea level.

REMARKS.--Records good except those above 6,000 ft^3/s, which are fair, and those for periods of estimated daily discharges (ice effect), which are poor. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Floods of 1932 and 1954 were about 105,000 ft^3/s and 67,500 ft^3/s, respectively.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 12,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 19	1530	12,600	15.78	Jul 26	2000	22,700	18.66
May 22	2400	12,000	15.58	Jul 29	1730	*53,600	*24.67

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	695	129	487	e280	2950	785	2370	417	831	214	2800	1330
2	553	124	460	e260	2160	715	2180	391	764	579	2000	1230
3	459	122	436	e250	1610	660	2090	361	743	531	1510	734
4	385	122	355	e235	1310	607	1980	371	657	292	1160	522
5	331	118	395	e220	1120	629	1810	370	774	230	1150	399
6	298	111	344	e210	905	578	1690	335	1130	224	1060	293
7	278	118	374	e200	770	494	2260	289	2800	182	750	220
8	252	133	352	e195	688	529	1840	256	2830	1080	592	171
9	229	154	325	e185	727	588	1530	249	1940	1380	468	129
10	222	1890	292	e180	1600	519	1680	232	1350	663	396	98
11	212	1880	285	e175	1710	555	2990	210	924	433	411	87
12	201	1360	314	e170	1260	968	2380	201	680	308	378	75
13	189	1040	359	e165	1040	3300	1990	204	532	233	606	65
14	176	869	969	310	1120	3990	1730	190	705	188	597	57
15	166	710	2150	405	4030	2800	1400	192	528	159	385	50
16	158	595	1740	984	5240	2460	1260	1400	500	135	272	45
17	151	526	4030	1280	8550	2540	1140	2280	594	122	208	39
18	198	461	3230	1090	4420	2280	1060	6070	454	197	166	36
19	248	408	2350	2860	2870	1860	975	10700	332	524	133	34
20	228	377	1790	6450	2180	1560	1120	7320	262	410	110	37
21	193	350	1390	3820	1750	2030	1260	4160	218	297	99	51
22	179	293	1150	2500	1390	2860	1510	5960	228	216	86	62
23	166	289	748	1930	1120	2440	1260	8420	857	168	119	70
24	159	321	e620	1570	925	2070	1090	4130	803	137	456	64
25	154	303	e500	1220	888	1770	948	4320	428	126	357	131
26	150	354	446	843	1250	1420	786	5200	302	5860	229	304
27	150	618	e400	940	1010	1120	681	3290	231	6560	186	249
28	147	588	e370	698	890	905	602	2650	191	4220	181	145
29	144	505	e340	675	---	840	517	1990	177	27200	173	98
30	136	527	e320	3090	---	2340	455	1490	255	12900	254	76
31	133	---	e300	4530	---	2750	---	1070	---	4610	217	---
TOTAL	7340	15395	27621	37920	55483	48962	44584	74718	23020	70378	17509	6901
MEAN	237	513	891	1223	1982	1579	1486	2410	767	2270	565	230
MAX	695	1890	4030	6450	8550	3990	2990	10700	2830	27200	2800	1330
MIN	133	111	285	165	688	494	455	190	177	122	86	34
CFSM	.45	.97	1.68	2.31	3.75	2.99	2.81	4.56	1.45	4.29	1.07	.43
IN.	.52	1.08	1.94	2.67	3.90	3.44	3.14	5.25	1.62	4.95	1.23	.49

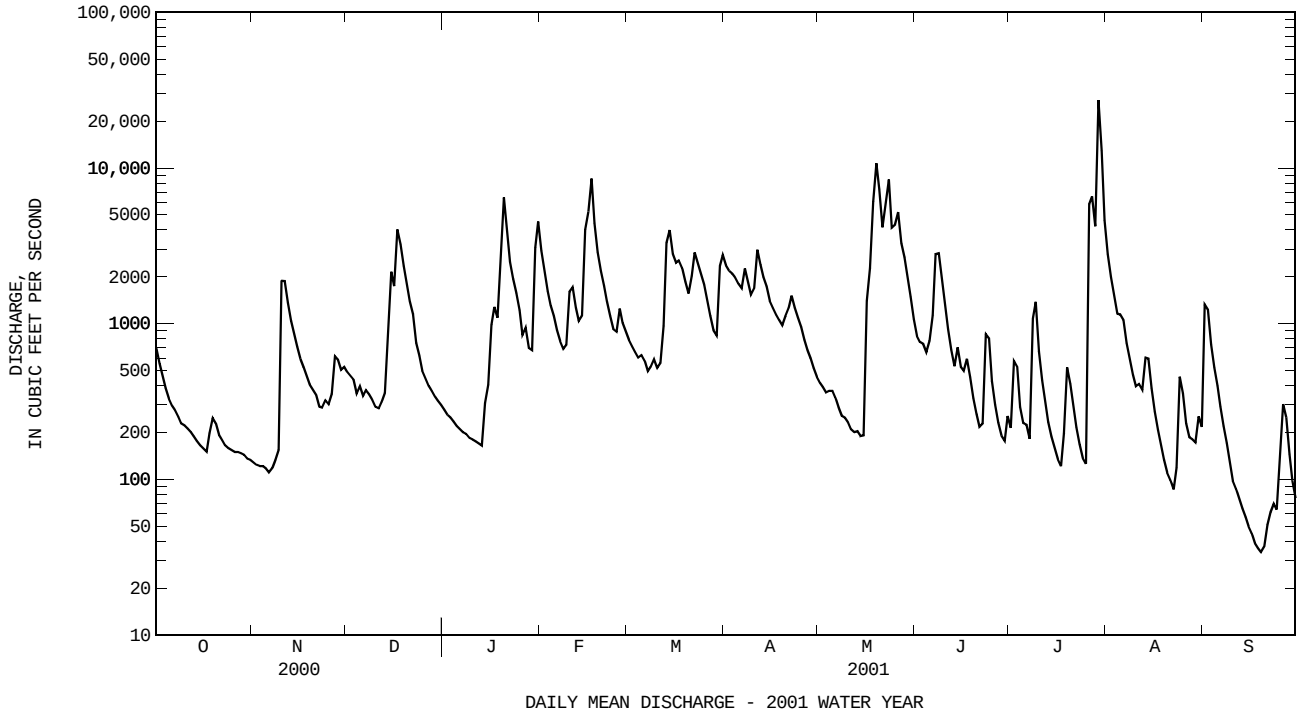
03189100 GAULEY RIVER NEAR CRAIGSVILLE, WV--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	733	1315	1877	1924	2131	2645	1954	1650	922	769	690	475
MAX	3531	4464	3561	3722	3928	4968	3525	3575	2730	2270	2819	1765
(WY)	1977	1986	1979	1996	1994	1967	1987	1996	1974	2001	1989	1971
MIN	49.1	126	341	464	551	1433	676	463	100	58.3	67.9	54.3
(WY)	1993	1999	1966	1977	1978	1976	1995	1991	1991	1999	1988	1995

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1965 - 2001	
ANNUAL TOTAL	480394		429831			
ANNUAL MEAN	1313		1178		1421	
HIGHEST ANNUAL MEAN					1944	1996
LOWEST ANNUAL MEAN					854	1999
HIGHEST DAILY MEAN	20300	Feb 19	27200	Jul 29	29800	Oct 9 1976
LOWEST DAILY MEAN	111	Nov 6	34	Sep 19	8.2	Sep 12 1995
ANNUAL SEVEN-DAY MINIMUM	121	Nov 1	42	Sep 15	9.0	Sep 10 1995
MAXIMUM PEAK FLOW			53600	Jul 29	(a)61800	Nov 4 1985
MAXIMUM PEAK STAGE			24.67	Jul 29	25.72	Nov 4 1985
INSTANTANEOUS LOW FLOW			33	(b)	7.6	Aug 22 1987
ANNUAL RUNOFF (CFSM)	2.48		2.23		2.69	
ANNUAL RUNOFF (INCHES)	33.78		30.23		36.51	
10 PERCENT EXCEEDS	2760		2800		3260	
50 PERCENT EXCEEDS	878		526		811	
90 PERCENT EXCEEDS	242		136		112	

a From rating curve extended above 35,000 ft^3/s.
b Sept. 19, 20.
e Estimated.



DAILY MEAN DISCHARGE - 2001 WATER YEAR

03189600 GAULEY RIVER BELOW SUMMERSVILLE DAM, WV

LOCATION.--Lat 38°12'54", long 80°53'18", Nicholas County, Hydrologic Unit 05050005, on right bank 0.4 mi downstream from Summersville Dam, 5.0 mi southwest of Summersville, and at mile 35.3.

DRAINAGE AREA.--806 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1966 to September 1982, October 1986 to current year. October 1982 to September 1986 (gage heights, discharge measurements, and annual maximum discharge only).

REVISED RECORDS.--WDR WV-67: 1966. WDR WV-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,350.00 ft above sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--No estimated daily discharges. Records good above 400 ft^3/s and fair below. Flow regulated since May 1965 by Summersville Lake. U.S. Army Corps of Engineers satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Maximum discharge, 15,300 ft^3/s, Aug. 1, gage height, 18.47 ft.

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	2740	548	1000	572	4860	1020	233	722	1090	246	14400	1360
2	2060	1030	588	530	3160	841	236	583	1090	824	13200	1770
3	810	1270	588	437	2330	1060	236	458	1070	853	7800	975
4	610	1260	525	381	2080	965	237	279	895	673	4460	276
5	1060	1260	424	381	1600	843	240	432	886	203	4490	192
6	2430	1250	415	381	1460	842	240	620	1700	195	2500	823
7	2700	1250	443	381	1200	760	240	505	3620	447	958	1470
8	2700	1240	477	381	909	708	240	422	4630	3520	486	1530
9	2020	1240	477	381	832	708	242	331	2540	4060	221	1560
10	765	1790	477	381	1150	707	244	222	1660	2040	380	1290
11	585	2170	477	326	1700	872	244	266	1270	890	475	221
12	584	2570	440	217	1800	1500	246	302	764	238	476	221
13	1040	2790	369	217	1530	4200	248	302	705	210	478	311
14	2400	2770	889	218	1330	5530	248	261	838	848	703	1380
15	2100	2750	1820	220	3300	3300	248	266	966	252	925	1570
16	740	2740	2310	581	6310	3030	248	3020	622	719	875	1560
17	560	2490	3550	1300	8720	2610	228	3810	566	351	336	2220
18	560	1970	4370	1650	8170	2940	214	9200	570	207	118	3220
19	559	1340	3920	3170	6130	1480	214	11800	340	451	193	2890
20	558	1180	2820	7500	3800	222	214	11900	200	428	236	2480
21	558	1010	1860	7060	2290	214	381	11100	249	260	236	2890
22	558	893	1480	4250	1760	216	1170	8340	511	354	153	2900
23	559	891	1190	3050	1440	223	1490	11200	2250	327	100	2930
24	558	1060	847	2280	1290	225	1490	8300	1590	935	103	3170
25	557	1250	847	1700	1130	225	1310	5080	1020	228	101	3730
26	545	1370	839	1540	1270	228	965	6230	397	4670	324	2900
27	551	1370	832	1230	1310	228	638	4560	313	14700	269	2750
28	551	1360	832	1230	1130	228	656	3300	522	10200	187	2880
29	550	1660	674	1230	---	229	723	2350	679	10100	186	2910
30	549	1700	574	3490	---	232	723	1930	245	8690	1060	2960
31	548	---	573	6070	---	232	---	1400	---	15000	1110	---
TOTAL	33665	47472	36927	52735	73991	36618	14286	109491	33798	83119	57539	57339
MEAN	1086	1582	1191	1701	2643	1181	476	3532	1127	2681	1856	1911
MAX	2740	2790	4370	7500	8720	5530	1490	11900	4630	15000	14400	3730
MIN	545	548	369	217	832	214	214	222	200	195	100	192

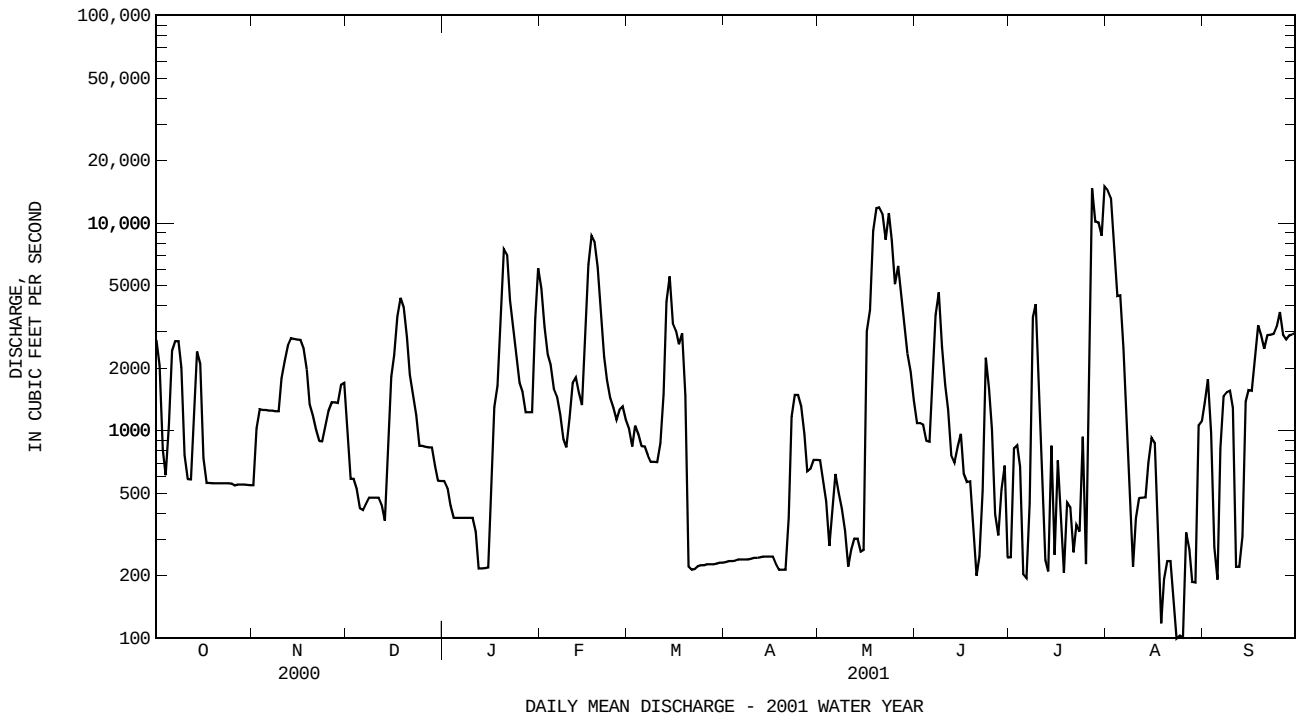
03189600 GAULEY RIVER BELOW SUMMERSVILLE DAM, WV--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1808	2534	2605	2833	2879	3220	1309	2221	1407	1064	1142	1253
MAX	5705	5258	4995	5825	6258	5802	5468	5074	3888	3052	3882	3352
(WY)	1977	1973	1973	1974	1994	1993	1966	1996	1981	1979	1989	1971
MIN	484	159	781	596	729	1073	52.2	141	122	124	19.0	490
(WY)	1989	1979	1999	1977	1967	2000	1971	1991	1991	1999	1966	1967

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1966 - 2001	
ANNUAL TOTAL	633935		636980			
ANNUAL MEAN	1732		1745		2019	
HIGHEST ANNUAL MEAN					2741	1972
LOWEST ANNUAL MEAN					1159	1999
HIGHEST DAILY MEAN	15300	Feb 20	15000	Jul 31	18000	Aug 24 1989
LOWEST DAILY MEAN	200	Mar 8	100	Aug 23	2.4	(a)
ANNUAL SEVEN-DAY MINIMUM	205	Mar 7	160	Aug 19	2.5	Feb 10 1967
MAXIMUM PEAK FLOW			15300	Aug 1	18200	Aug 24 1989
MAXIMUM PEAK STAGE			18.47	Aug 1	19.39	Aug 24 1989
INSTANTANEOUS LOW FLOW			95	(b)	1.9	(c)
10 PERCENT EXCEEDS	3450		3850		4730	
50 PERCENT EXCEEDS	1250		889		1240	
90 PERCENT EXCEEDS	402		229		198	

a Feb. 10, 13-16, 1967.
b Aug. 22, 23.
c Feb. 16 ,17, 1967.



03189600 GAULEY RIVER BELOW SUMMERSVILLE DAM, WV--Continued

WATER-QUALITY DATA

PERIOD OF RECORD.--Period of daily record, specific conductance, December 1980 to September 1982 water temperature, November 1974 to April 1977, November 1980 to September 1982. Periodic laboratory analyses, water year 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDIMENT, DIS-CHARGE SUS-PENDED (T/DAY) (80155)
APR														
17...	1425	226	743	12.5	101	7.1	60	5.1	22.0	5.2	2.2	<.05	3	1.8
MAY														
14...	1440	199	732	12.0	101	6.8	60	6.3	22.0	5.2	2.2	<.05	3	1.6
JUN														
12...	1315	651	725	9.8	101	7.0	56	14.5	21.4	5.1	2.1	<.05	2	3.5
JUL														
18...	1105	196	728	9.6	99.9	6.8	68	15.1	25.3	6.0	2.5	<.05	4	2.1
AUG														
15...	1245	850	728	9.4	105	6.8	61	18.6	23.0	5.6	2.2	<.05	5	11
SEP														
17...	1250	2800	731	6.4	72.1	6.1	76	19.1	27.9	6.7	2.7	<.05	3	23

< Actual value is known to be less than the value shown.

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03190400 MEADOW RIVER NEAR MOUNT LOOKOUT, WV

LOCATION.--Lat 38°11'23", long 80°56'49", Nicholas County, Hydrologic Unit 05050005, on right bank 1,000 ft upstream from mouth, and 2.5 mi northwest of Mount Lookout.

DRAINAGE AREA.--365 mi^2.

PERIOD OF RECORD.--September 1966 to September 1983, October 1985 to current year.

REVISED RECORDS.--WDR WV-99-1: 1998 (m).

GAGE.--Water-stage recorder. Elevation of gage is approximately 1,200 ft above sea level, from topographic map.

REMARKS.--Records good except those for periods of estimated daily discharges (ice effect, doubtful gage-height record), which are poor. U.S. Army Corps of Engineers satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 18	1030	11,700	11.38	Jul 29	2100	*20,600	*13.92
May 23	0030	7,640	9.84				

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	328	57	137	189	1700	554	1330	216	492	80	2970	248
2	260	55	134	179	1300	494	1280	205	435	88	1540	213
3	217	54	130	169	939	449	1190	195	406	95	1010	168
4	185	53	117	162	700	402	1100	184	343	90	640	125
5	160	53	117	e155	637	414	948	193	375	78	542	101
6	143	53	99	e145	526	431	818	177	494	66	414	85
7	130	54	128	e135	450	393	765	158	1150	59	298	74
8	116	56	129	e130	395	380	697	140	1350	783	239	64
9	109	64	120	e125	367	462	624	133	939	1200	195	55
10	104	308	110	e120	377	490	585	126	708	545	171	49
11	98	651	114	e115	406	541	680	118	520	343	178	46
12	93	469	113	e110	356	829	587	112	371	223	153	42
13	87	364	103	e105	334	1670	554	111	292	154	182	38
14	82	306	163	123	331	2020	561	104	238	116	176	36
15	77	265	416	185	570	1650	521	101	204	95	167	34
16	77	230	618	356	1460	1610	490	1870	202	80	138	31
17	74	208	1410	474	3530	1450	451	3540	201	72	109	30
18	90	187	1880	451	2460	1320	438	8080	168	371	92	27
19	94	167	1430	1040	1770	1140	438	8050	142	523	83	26
20	88	155	1060	3300	1350	931	436	5380	119	394	80	28
21	83	146	744	2510	1020	830	435	2970	104	277	72	33
22	77	122	675	e1700	778	1130	451	3510	102	198	72	38
23	72	104	387	e1200	634	1190	440	6450	207	150	75	38
24	69	128	e350	e850	557	1080	421	4210	202	117	155	41
25	68	132	e320	e560	547	908	384	2930	158	98	194	50
26	67	123	294	e400	651	741	344	3190	120	648	137	62
27	65	138	e265	e420	663	614	311	2380	103	1620	104	61
28	64	148	e245	e350	621	516	284	1800	89	2330	102	58
29	63	140	e230	e320	---	466	255	1310	77	10300	91	46
30	60	139	e210	1120	---	952	230	934	110	11300	99	39
31	60	---	201	2110	---	1430	---	649	---	5980	109	---
TOTAL	3360	5129	12449	19308	25429	27487	18048	59526	10421	38473	10587	1986
MEAN	108	171	402	623	908	887	602	1920	347	1241	342	66.2
MAX	328	651	1880	3300	3530	2020	1330	8080	1350	11300	2970	248
MIN	60	53	99	105	331	380	230	101	77	59	72	26
CFSM	.30	.47	1.10	1.71	2.49	2.43	1.65	5.26	.95	3.40	.94	.18
IN.	.34	.52	1.27	1.97	2.59	2.80	1.84	6.07	1.06	3.92	1.08	.20

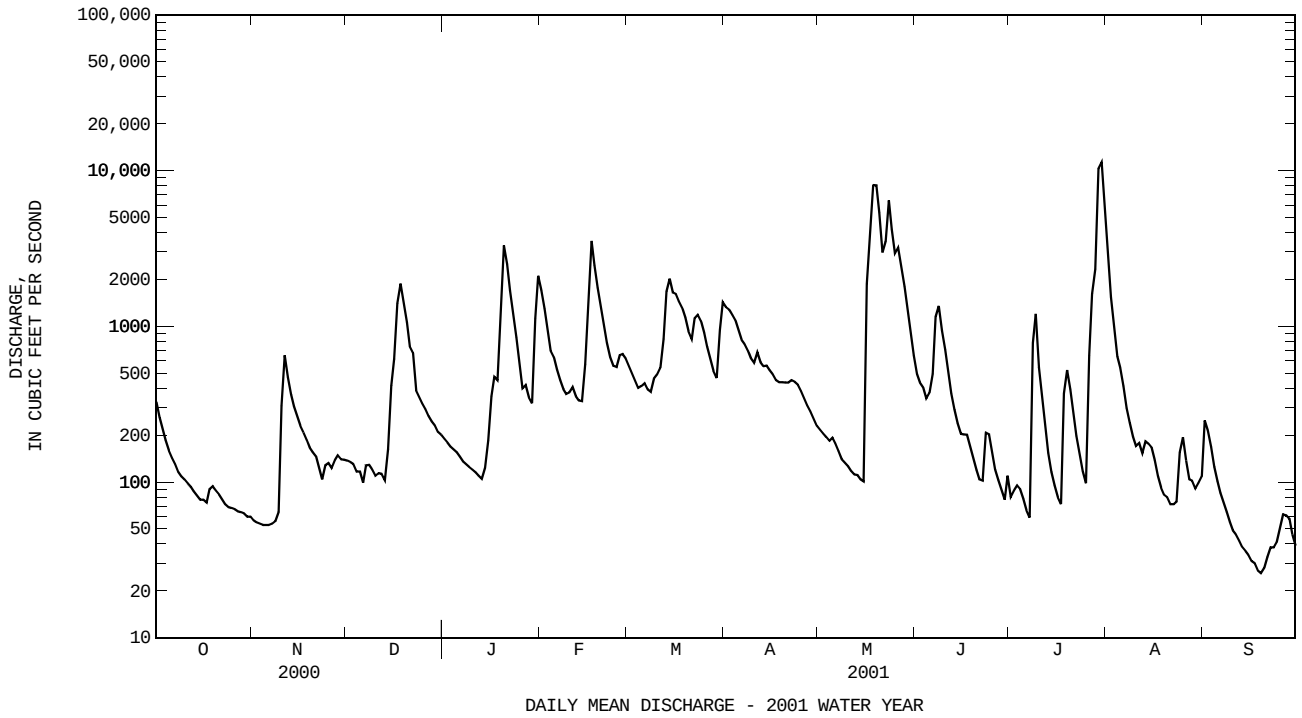
03190400 MEADOW RIVER NEAR MOUNT LOOKOUT, WV--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	291	574	920	1064	1241	1448	1073	931	478	334	297	167
MAX	1574	1529	1710	2246	2366	2583	2687	1944	1139	1241	1074	653
(WY)	1977	1986	1973	1996	1998	1993	1987	1996	1981	2001	1969	1996
MIN	8.18	40.3	262	140	396	599	368	271	53.7	32.2	12.9	13.1
(WY)	1992	1999	1998	1977	1978	1988	1995	1976	1999	1991	1987	1983

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1966 - 2001	
ANNUAL TOTAL	234607		232203			
ANNUAL MEAN	641		636		730	
HIGHEST ANNUAL MEAN					975	1979
LOWEST ANNUAL MEAN					410	1988
HIGHEST DAILY MEAN	6610	Feb 19	11300	Jul 30	14200	Feb 26 1972
LOWEST DAILY MEAN	53	(a)	26	Sep 19	4.1	(b)
ANNUAL SEVEN-DAY MINIMUM	54	Nov 2	30	Sep 15	5.7	Oct 8 1991
MAXIMUM PEAK FLOW			20600	Jul 29	20600	Jul 29 2001
MAXIMUM PEAK STAGE			13.92	Jul 29	13.92	Jul 29 2001
INSTANTANEOUS LOW FLOW			24	Sep 20	3.0	Aug 22 1987
ANNUAL RUNOFF (CFSM)	1.76		1.74		2.00	
ANNUAL RUNOFF (INCHES)	23.91		23.67		27.17	
10 PERCENT EXCEEDS	1460		1430		1840	
50 PERCENT EXCEEDS	380		223		401	
90 PERCENT EXCEEDS	104		64		43	

a Nov. 4-6.
b Aug. 21, 22, 1987.
e Estimated.



DAILY MEAN DISCHARGE - 2001 WATER YEAR

03192000 GAULEY RIVER ABOVE BELVA, WV

LOCATION.--Lat 38°14'00", long 81°10'52", Nicholas County, Hydrologic Unit 05050005, on right bank 0.5 mi upstream from Belva, 1.0 mi upstream from Twentymile Creek, and at mile 6.3.

DRAINAGE AREA.--1,317 mi^2.

PERIOD OF RECORD.--October 1928 to current year. Monthly discharge only for some periods, published in WSP 1305.

REVISED RECORDS.--WSP 873: 1938. WSP 1275: 1929-30. WDR WV-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 669.00 ft above sea level, adjustment of 1912.

REMARKS.--No estimated daily discharges. Records good. Flow regulated since May 1965 by Summersville Lake. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1918 reached a stage of about 30 ft, discharge of about 112,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 47,200 ft^3/s, July 29, gage height, 19.09 ft; minimum discharge, 246 ft^3/s, Aug. 23, gage height, 1.31 ft.

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	3190	672	1550	848	7620	1830	1930	1030	1750	377	18700	1300
2	2920	809	831	835	5180	1500	1940	985	1640	493	15300	2100
3	1420	1360	794	740	3550	1520	1770	814	1630	991	11000	1680
4	841	1360	786	627	3090	1640	1660	663	1420	1010	4800	701
5	873	1350	629	613	2510	1400	1460	663	1410	580	5880	391
6	2290	1350	593	618	2160	1420	1300	938	2340	306	3310	537
7	2870	1350	570	617	1970	1380	1220	884	5190	281	1670	1540
8	2830	1350	670	616	1570	1230	1130	685	6830	3100	1070	1590
9	2670	1370	665	608	1360	1320	1030	619	4210	6550	589	1610
10	1180	1740	657	558	1420	1400	976	484	2660	3280	485	1490
11	763	2910	646	570	2100	1470	1210	408	2150	1770	753	595
12	754	2920	660	478	2240	2060	1120	463	1450	657	749	302
13	748	3210	571	409	2110	4820	1020	472	1130	460	946	295
14	2160	3120	789	407	1780	8370	998	459	1060	884	825	1100
15	2670	3050	2100	430	2970	5130	946	395	1260	499	1160	1550
16	1160	2990	3090	583	7960	5040	904	3670	1090	458	1210	1580
17	705	2810	4890	1640	14700	4330	852	7900	857	785	871	1590
18	779	2400	7040	2200	12700	4350	810	18000	817	703	339	3190
19	761	1700	6050	3670	8530	3740	775	23500	767	1030	265	2830
20	733	1400	4470	12300	6440	1400	773	19700	408	891	327	2710
21	724	1340	3020	11500	3630	1210	770	15600	378	697	357	2590
22	718	1090	2340	7060	3060	1370	1380	12400	478	531	344	2840
23	704	1060	1970	4960	2310	1530	2030	20100	2080	642	283	2880
24	701	1130	1380	3940	2150	1460	2010	14900	1990	723	376	2900
25	701	1350	1320	2800	1850	1310	1900	8520	1640	798	384	4080
26	698	1540	1190	2470	1940	1130	1610	9880	790	5540	357	2900
27	678	1550	1200	2030	2220	987	1140	7710	440	19000	597	2840
28	687	1560	1210	1900	1910	874	997	5610	525	15100	370	2760
29	683	1670	1130	1850	---	815	1080	4040	708	32000	342	2880
30	674	1960	906	3840	---	1260	1060	3140	692	24900	606	2890
31	672	---	873	9160	---	2020	---	2360	---	23100	1620	---
TOTAL	39957	53471	54590	80877	111030	69316	37801	186992	49790	148136	75885	58241
MEAN	1289	1782	1761	2609	3965	2236	1260	6032	1660	4779	2448	1941
MAX	3190	3210	7040	12300	14700	8370	2030	23500	6830	32000	18700	4080
MIN	672	672	570	407	1360	815	770	395	378	281	265	295

03192000 GAULEY RIVER ABOVE BELVA, WV--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1964, BY WATER YEAR (WY) [UNREGULATED]

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	819	1785	3027	4022	4542	5790	3963	2903	1552	1524	1264	532
MAX	4859	5609	6421	7870	8926	11660	8691	5737	6164	6141	4871	2824
(WY)	1938	1930	1943	1937	1939	1963	1958	1929	1940	1932	1958	1950
MIN	5.90	23.1	410	437	1084	3000	1166	547	156	22.4	26.7	13.3
(WY)	1954	1931	1940	1940	1934	1937	1942	1964	1936	1930	1930	1930

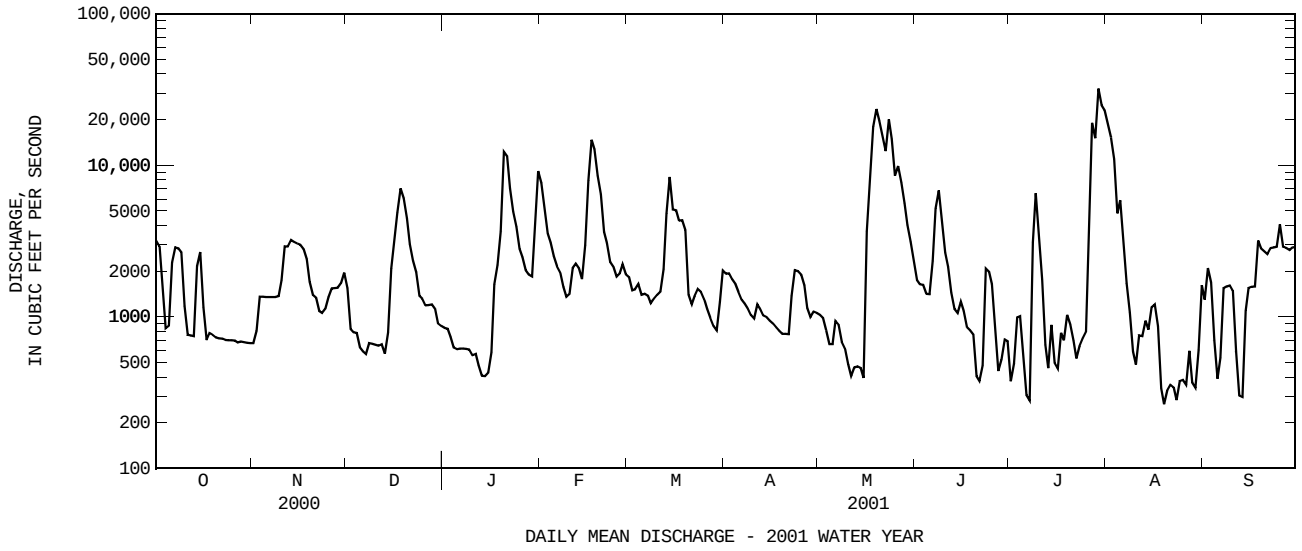
SUMMARY STATISTICS	WATER YEARS 1929 - 1964	
ANNUAL MEAN	2631	
HIGHEST ANNUAL MEAN	3803	1950
LOWEST ANNUAL MEAN	1606	1941
HIGHEST DAILY MEAN	60900	Jul 5 1932
LOWEST DAILY MEAN	3.2	Oct 21 1953
ANNUAL SEVEN-DAY MINIMUM	3.6	Oct 20 1953
INSTANTANEOUS PEAK FLOW	(a)105000	Jul 5 1932
INSTANTANEOUS PEAK STAGE	28.60	Jul 5 1932
INSTANTANEOUS LOW FLOW	3.2	Oct 21 1953
10 PERCENT EXCEEDS	6280	
50 PERCENT EXCEEDS	1390	
90 PERCENT EXCEEDS	129	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2001, BY WATER YEAR (WY) [REGULATED]

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1978	3158	3700	3942	4418	5017	2704	3263	1872	1479	1464	1350
MAX	7547	8434	7270	8493	9534	9591	7050	7802	5503	4779	5053	3722
(WY)	1977	1986	1973	1974	1994	1993	1987	1996	1981	2001	1989	1971
MIN	124	70.8	85.6	276	1517	2187	611	538	236	187	36.8	72.5
(WY)	1966	1966	1966	1966	1966	2000	1986	1991	1991	1999	1965	1965

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1965 - 2001	
ANNUAL TOTAL	956178		966086			
ANNUAL MEAN	2613		2647		2857	
HIGHEST ANNUAL MEAN					4000	1994
LOWEST ANNUAL MEAN					1452	1966
HIGHEST DAILY MEAN	22300	Feb 20	32000	Jul 29	32000	Jul 29 2001
LOWEST DAILY MEAN	437	May 18	265	Aug 19	11	Sep 10 1965
ANNUAL SEVEN-DAY MINIMUM	633	Dec 5	327	Aug 18	17	Sep 4 1965
MAXIMUM PEAK FLOW			47200	Jul 29	47200	Jul 29 2001
MAXIMUM PEAK STAGE			19.09	Jul 29	19.09	Jul 29 2001
INSTANTANEOUS LOW FLOW			246	Aug 23	9.6	Sep 11 1965
10 PERCENT EXCEEDS	5520		5570		6780	
50 PERCENT EXCEEDS	1820		1360		1670	
90 PERCENT EXCEEDS	690		515		376	

a From rating curve extended above 65,000 ft^3/s on basis of velocity-area studies and inflow and storage adjustment to record for Kanawha River at Kanawha Falls.



DAILY MEAN DISCHARGE - 2001 WATER YEAR

03192000 GAULEY RIVER ABOVE BELVA, WV--Continued

WATER QUALITY DATA

PERIOD OF RECORD.--Periodic laboratory analyses, water year 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE SUS-PENED (T/DAY) (80155)
APR														
17	1100	835	743	10.7	99	7.3	90	10.7	30	7.30	2.90	<.05	2	4.5
MAY														
14	1130	458	751	9.5	99	7.2	102	16.4	33	8.00	3.20	<.05	2	2.5
JUN														
11	1330	2120	743	9.4	102	7.0	70	18.2	26	6.30	2.50	<.05	4	23
JUL														
19	0905	860	747	8.6	97	7.0	120	20.1	41	10.0	4.00	<.05	9	21
AUG														
16	1030	1390	745	8.1	95	6.9	97	21.8	34	8.40	3.20	<.05	10	38
SEP														
18	1215	2880	747	9.1	100	7.1	75	19.0	29	7.00	2.80	.05	5	39

< Actual value is known to be less than the value shown.

03193000 KANAWHA RIVER AT KANAWHA FALLS, WV

LOCATION.--Lat 38°08'17", long 81°12'52", Fayette County, Hydrologic Unit 05050006, on right bank 150 ft downstream from bridge, 0.8 mi downstream from village of Kanawha Falls, 2.0 mi downstream from Gauley Bridge, 2.0 mi downstream from confluence of New River and Gauley River, and at mile 94.3.

DRAINAGE AREA.--8,371 mi^2.

PERIOD OF RECORD.--March 1877 to current year. October 1916 to September 1918 and October 1927 to October 1928, published as "at Lock 2, Montgomery".

REVISED RECORDS.--WSP 923: 1878, 1886, 1897, 1899, 190l-3. WSP 1305: 1902(M), 1940. WSP 1335: 1931. WDR WV-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 621.20 ft above sea level. Prior to Oct. 27, 1928, nonrecording gages at several sites within 9.0 mi of present site at various datums. Oct. 27, 1928 to Sept. 30, 1964, water-stage recorder at present site at datum 2.00 ft higher.

REMARKS.--No estimated daily discharges. Records good. Flow regulated since 1939 by Claytor Lake, since 1949 by Bluestone Lake, and since 1965 by Summersville Lake. U.S. Army Corps of Engineers satellite telemeter and Appalachian Power Co. remote sender at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Maximum discharge, 106,000 ft^3/s, July 29, gage height, 18.00 ft.

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	7460	2190	5490	3280	18500	9550	31300	4980	10500	4380	55900	3890
2	6660	2170	4510	3040	15200	8680	24500	3610	9700	4770	38100	4900
3	4700	2910	4120	2800	10800	8720	20100	3210	9840	4430	26200	4780
4	3700	2920	3880	2800	9230	7950	18800	3060	9910	4320	13900	4140
5	3500	2920	2930	2700	7860	6550	14500	3460	7860	4340	14900	3690
6	4440	2870	2330	2820	7050	6390	15300	3910	9140	4160	12500	2950
7	5280	2960	2240	2840	6170	7310	15800	3870	15800	4300	9750	3660
8	5310	2910	2550	2790	5420	7220	13700	3420	21400	26400	6600	3910
9	5110	3010	2520	2800	4960	8680	10700	3210	19000	35700	5940	4190
10	3570	3610	2630	2630	5110	7860	9490	3030	13500	23300	5080	3770
11	2850	5450	2660	2610	5670	7730	11400	2880	11300	12100	4910	3370
12	2750	5940	2610	2610	5660	7570	9730	2860	7950	8010	4920	2630
13	2710	7070	2520	2520	5670	10600	9560	2890	7460	6180	6100	2640
14	3580	6890	2960	2490	5170	16600	9170	2800	6320	5000	7350	2960
15	4440	6080	4550	2490	6360	14900	7120	2710	6340	4500	8150	4020
16	3280	5690	5740	2800	12800	16000	7220	9040	5950	3690	7630	3780
17	2510	5340	8970	3980	28500	15600	7080	31600	5630	3860	6160	3500
18	2550	5050	15100	4880	31200	15300	6810	66300	5770	4610	4500	5010
19	2510	4420	18300	7180	26000	14600	6250	71900	4940	4410	3940	4670
20	2400	3990	14600	22000	21600	9320	5700	48500	4290	4150	3380	4650
21	2360	3640	10700	30800	13900	10600	5560	39500	3670	3880	3220	4310
22	2440	3150	7170	24600	10600	11300	5900	44300	3580	3760	3600	4980
23	2520	3410	5970	18500	9620	18900	6760	80000	5560	3870	3160	5050
24	2390	3680	5220	14900	9200	18500	6430	74900	5880	3380	3800	4650
25	2320	3700	4460	10300	8270	15000	6640	52700	5850	3950	3260	5820
26	2260	3910	3660	9110	7870	13100	5830	49500	5450	8590	3070	4770
27	2260	4070	3890	8460	9550	10000	4540	48900	4280	38400	3370	4900
28	2270	4780	4010	6600	10100	9740	5100	34600	4730	28100	3140	5090
29	2280	5960	3900	5850	---	8510	6010	23800	5820	62500	2980	5290
30	2220	7080	3530	7750	---	11900	6210	18100	5500	89400	3050	4950
31	2170	---	3300	15300	---	31100	---	14600	---	78700	4410	---
TOTAL	104800	127770	167020	234230	318040	365780	313210	758140	242920	497140	282970	126920
MEAN	3381	4259	5388	7556	11360	11800	10440	24460	8097	16040	9128	4231
MAX	7460	7080	18300	30800	31200	31100	31300	80000	21400	89400	55900	5820
MIN	2170	2170	2240	2490	4960	6390	4540	2710	3580	3380	2980	2630

03193000 KANAWHA RIVER AT KANAWHA FALLS, WV--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1877 - 1938, BY WATER YEAR (WY) [UNREGULATED]

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	6529	8513	12670	19170	21700	24400	19440	14670	10260	7556	6486	5279
MAX	23470	23460	34030	38890	52880	52620	46930	38140	35870	20210	22440	21070
(WY)	1938	1878	1902	1882	1884	1899	1901	1901	1901	1916	1901	1888
MIN	1133	1514	2691	5600	3181	10160	8151	4797	2546	1290	1394	1308
(WY)	1931	1923	1931	1931	1934	1925	1915	1930	1930	1930	1925	1930

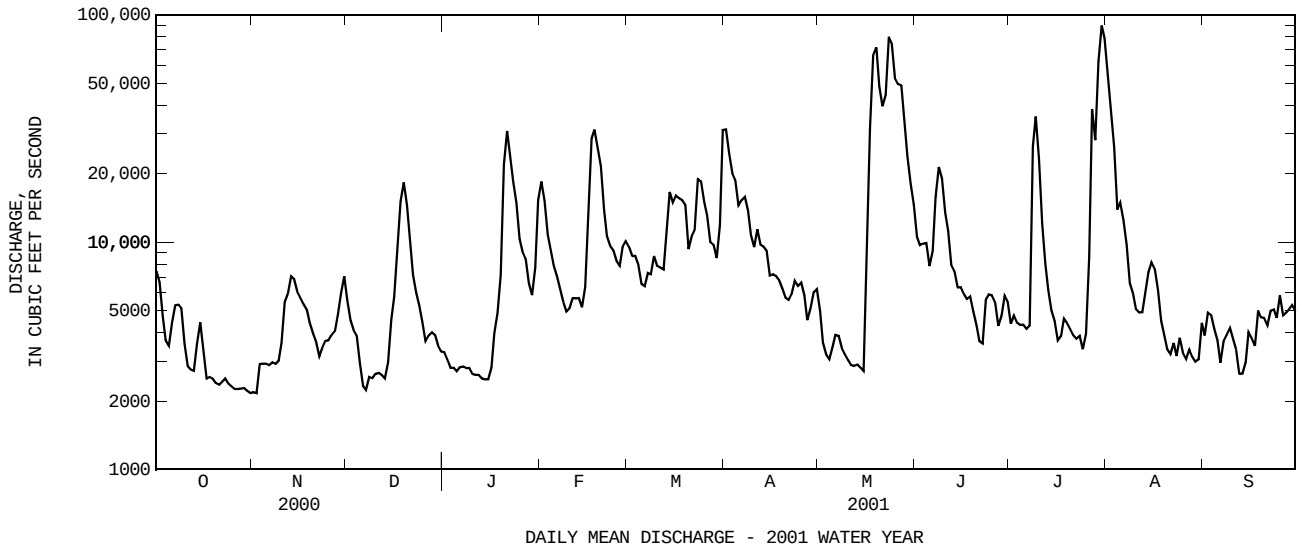
SUMMARY STATISTICS	WATER YEARS 1877 - 1938	
ANNUAL MEAN	13020	
HIGHEST ANNUAL MEAN	21210	1901
LOWEST ANNUAL MEAN	7591	1904
HIGHEST DAILY MEAN	266000	May 23 1901
LOWEST DAILY MEAN	690	Oct 29 1921
ANNUAL SEVEN-DAY MINIMUM	984	Oct 7 1930
INSTANTANEOUS PEAK FLOW	(a)320000	Sep 14 1878
INSTANTANEOUS PEAK STAGE	(b)37.80	Sep 14 1878
INSTANTANEOUS LOW FLOW	640	Aug 15 1930
10 PERCENT EXCEEDS	27900	
50 PERCENT EXCEEDS	8330	
90 PERCENT EXCEEDS	2550	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2001, BY WATER YEAR (WY) [REGULATED, UNADJUSTED]

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	5790	8509	12730	16130	20160	23640	17710	14460	8986	6299	5867	4642
MAX	24980	24760	29690	38490	42410	50300	50240	29510	22310	16040	23350	17540
(WY)	1977	1986	1973	1996	1957	1955	1987	1996	1992	2001	1940	1989
MIN	1452	1669	2174	2412	6602	7583	5065	4051	2450	2167	1945	1510
(WY)	1954	1954	1966	1940	1941	1988	1986	1941	1999	1966	1944	1953

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1939 - 2001	
ANNUAL TOTAL	3225660		3538940			
ANNUAL MEAN	8813		9696		12040	
HIGHEST ANNUAL MEAN					16830	1973
LOWEST ANNUAL MEAN					6792	1988
HIGHEST DAILY MEAN	76100	Feb 20	89400	Jul 30	163000	Aug 15 1940
LOWEST DAILY MEAN	2170	(c)	2170	(c)	970	Sep 30 1953
ANNUAL SEVEN-DAY MINIMUM	2220	Oct 27	2220	Oct 27	1230	Sep 23 1963
MAXIMUM PEAK FLOW			106000	Jul 29	248000	Aug 15 1940
MAXIMUM PEAK STAGE			18.00	Jul 29	(d)29.60	Aug 15 1940
INSTANTANEOUS LOW FLOW			1700	Dec 6	(f)	(f)
10 PERCENT EXCEEDS	17200		19400		26700	
50 PERCENT EXCEEDS	5920		5420		7490	
90 PERCENT EXCEEDS	2940		2730		2590	

a From gage-height relationship and rating curve extended above 150,000 ft^3/s.
b Site then in use, 39.80 ft gage height at current datum.
c Oct. 31, Nov. 2.
d 31.60 ft gage height at current datum.
f Not determined.



DAILY MEAN DISCHARGE - 2001 WATER YEAR

03194700 ELK RIVER BELOW WEBSTER SPRINGS, WV

LOCATION.--Lat 38°35'50", long 80°29'26", Webster County, Hydrologic Unit 05050007, on right bank 200 ft upstream from bridge on County Highway 7, 6.5 mi upstream from town of Centralia, 8.9 mi southwest of Salisburg Station, 8.9 mi northwest of Webster Springs, and at mile 125.2.

DRAINAGE AREA.--266 mi^2.

PERIOD OF RECORD.--October 1929 to September 1959 (estimated annual maximum discharge only), October 1959 to September 1983, October 1985 to current year.

REVISED RECORDS.--WDR WV-82-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is approximately 1,020.1 ft above sea level, from barometric leveling.

REMARKS.--Records good except those for periods of estimated daily discharges (ice effect), which are poor. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1861, probably in September, reached a stage of 26.34 ft and flood of July 26, 1896, reached a stage of 25.87 ft, present datum, at site 0.2 mi upstream, from levels to floodmarks pointed out by a local resident.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 19	1530	9,240	9.63	Jul 29	2100	*15,000	*11.52

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	360	69	298	e175	1820	375	1110	223	385	134	948	432
2	297	66	273	e165	1230	340	1090	210	340	459	582	389
3	248	64	254	e155	835	320	1060	199	327	368	403	237
4	209	62	223	e145	637	298	995	197	297	238	329	173
5	179	61	212	e135	530	300	863	230	743	189	266	137
6	160	58	201	e130	456	301	854	214	816	169	560	110
7	149	60	192	e120	400	267	2300	181	1900	139	322	88
8	135	62	182	e115	356	262	1560	159	1800	179	230	74
9	125	70	174	e110	364	294	1150	147	1120	445	182	63
10	120	359	159	e105	730	293	937	136	729	309	154	56
11	113	791	148	102	882	307	1280	121	510	223	180	50
12	105	603	147	e98	654	502	1110	113	382	186	154	46
13	97	474	202	e96	534	1560	910	119	323	140	187	43
14	89	398	659	141	497	2000	753	113	1290	112	197	38
15	83	337	1300	186	3030	1400	618	99	578	93	153	35
16	78	286	1010	461	3500	1180	571	141	390	80	115	32
17	74	252	1620	587	4360	1190	541	486	606	72	92	29
18	85	224	1640	477	2340	1130	529	1900	458	86	80	28
19	141	199	1180	1100	1460	900	527	5760	321	189	72	26
20	132	179	843	3410	1030	738	627	4130	248	186	63	28
21	113	169	605	2060	763	838	668	2200	202	174	58	36
22	101	149	500	1270	604	1390	632	2140	179	141	53	74
23	94	132	394	900	503	1150	556	3860	932	103	57	54
24	89	136	362	677	431	934	485	2000	702	83	72	46
25	86	140	336	546	399	763	433	1920	392	76	72	82
26	88	151	309	402	487	612	369	2770	275	369	65	206
27	85	261	268	423	467	502	326	1680	215	639	87	138
28	81	347	e245	355	412	421	297	1240	174	396	130	95
29	80	321	e225	325	---	393	264	869	141	4870	97	76
30	76	316	e205	1970	---	953	238	632	148	4890	121	65
31	71	---	e190	3090	---	1300	---	478	---	1760	111	---
TOTAL	3943	6796	14556	20031	29711	23213	23653	34667	16923	17497	6192	2986
MEAN	127	227	470	646	1061	749	788	1118	564	564	200	99.5
MAX	360	791	1640	3410	4360	2000	2300	5760	1900	4890	948	432
MIN	71	58	147	96	356	262	238	99	141	72	53	26
CFSM	.48	.85	1.77	2.43	3.99	2.82	2.96	4.20	2.12	2.12	.75	.37
IN.	.55	.95	2.04	2.80	4.16	3.25	3.31	4.85	2.37	2.45	.87	.42

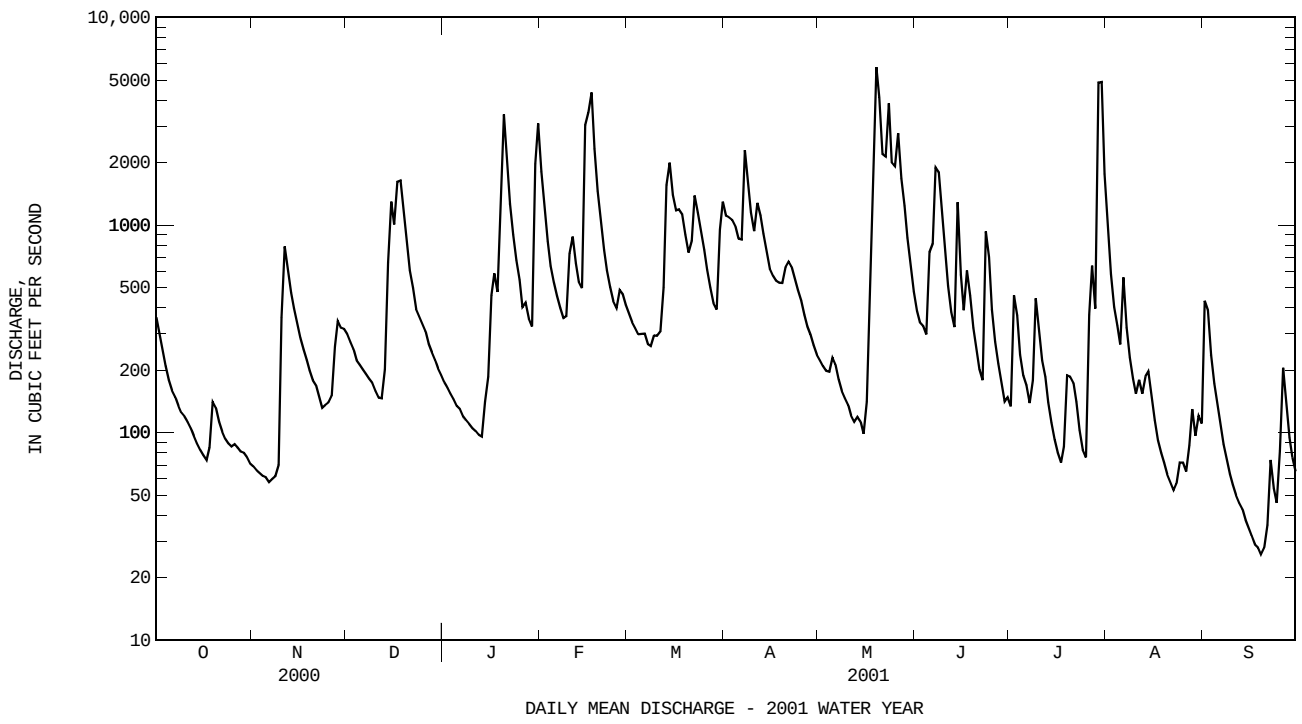
03194700 ELK RIVER BELOW WEBSTER SPRINGS, WV--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	327	663	894	908	1049	1343	1024	774	466	361	311	213
MAX	1376	2293	1940	1866	2124	2820	1750	2077	1435	958	1171	940
(WY)	1977	1986	1973	1996	1994	1963	1972	1996	1974	1996	1989	1971
MIN	15.1	96.7	199	202	227	731	312	137	48.9	31.6	23.3	16.4
(WY)	1964	1995	1966	1977	1978	2000	1963	1964	1965	1999	1993	1999

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1960 - 2001	
ANNUAL TOTAL	212443		200168			
ANNUAL MEAN	580		548		691	
HIGHEST ANNUAL MEAN					997	1996
LOWEST ANNUAL MEAN					415	1999
HIGHEST DAILY MEAN	10700	Feb 19	5760	May 19	15200	Apr 26 1989
LOWEST DAILY MEAN	58	Nov 6	26	Sep 19	4.9	Sep 12 1995
ANNUAL SEVEN-DAY MINIMUM	62	Nov 2	31	Sep 15	5.2	Sep 9 1995
MAXIMUM PEAK FLOW			15000	Jul 29	(a)38000	Nov 4 1985
MAXIMUM PEAK STAGE			11.52	Jul 29	(b)17.20	Nov 4 1985
INSTANTANEOUS LOW FLOW			25	(c)	4.8	(d)
ANNUAL RUNOFF (CFSM)	2.18		2.06		2.60	
ANNUAL RUNOFF (INCHES)	29.71		27.99		35.31	
10 PERCENT EXCEEDS	1260		1280		1630	
50 PERCENT EXCEEDS	346		275		387	
90 PERCENT EXCEEDS	126		74		59	

a From rating curve extended above 24,000 ft^3/s.
b From floodmarks.
c Sept. 19, 20.
d Sept. 11-13, 1995.
e Estimated.



03197000 ELK RIVER AT QUEEN SHOALS, WV

LOCATION.--Lat 38°28'15", long 81°17'03", Kanawha County, Hydrologic Unit 05050007, on right bank 50 ft upstream from Queen Shoals Creek, 100 ft downstream from highway bridge at Queen Shoals, 4.0 mi upstream from Big Sandy Creek, and at mile 26.2. Records include flow of Queen Shoals Creek.

DRAINAGE AREA.--1,145 mi^2, includes that of Queen Shoals Creek.

PERIOD OF RECORD.--October 1928 to current year. Monthly discharge only October, November 1928, published in WSP 1305.

REVISED RECORDS.--WSP 783: Drainage area. WSP 1335: 1929-32, 1935(M), 1936, 1939, 1943(M).

GAGE.--Water-stage recorder. Datum of gage is 604.09 ft above sea level. Prior to June 19, 1932, nonrecording gage. June 19, 1932 to Sept. 30, 1946, water-stage recorder, at bridge 100 ft upstream at same datum.

REMARKS.--Records good except those above 10,000 ft^3/s, which are fair. Flow regulated since April 1959 by Sutton Lake. U.S. Army Corps of Engineers satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Maximum discharge, 22,100 ft^3/s, May 19, gage height, 15.90 ft.

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	1830	306	853	630	6470	1240	2030	611	1270	233	6160	393
2	1480	271	806	600	5850	1210	2710	510	1020	288	2740	765
3	1260	309	594	501	4570	1170	2490	454	1010	426	1590	1280
4	949	347	480	521	3350	1090	2950	444	921	1200	1240	699
5	776	510	463	406	2600	1210	3390	397	1200	886	919	406
6	735	539	455	393	2140	1380	2960	412	4200	553	574	293
7	655	545	410	400	1650	1370	2550	400	6440	548	496	273
8	625	508	380	486	1350	1310	4390	356	5530	2150	638	262
9	600	420	361	489	1290	1330	4160	333	4810	2520	656	237
10	511	528	387	351	1300	1370	2410	323	2720	1540	483	171
11	417	787	392	389	1320	1400	3120	308	1730	1340	432	142
12	387	591	389	398	1750	1480	4040	291	1340	881	417	134
13	420	535	340	349	1670	1580	3660	280	1220	576	567	128
14	430	957	680	342	1320	2750	2710	268	871	382	897	123
15	529	1150	2120	381	1670	3480	2250	266	1150	266	520	119
16	538	1130	2490	565	5270	3810	1790	962	1340	233	417	128
17	480	1110	4090	935	12100	3690	1480	1400	939	220	385	148
18	483	1100	5980	1500	9710	3190	1710	4730	709	441	343	148
19	424	1070	4790	2440	7910	2720	1650	16300	949	503	278	166
20	406	1060	4090	7870	5960	1840	1450	13300	707	620	223	196
21	501	998	2930	7670	4730	1280	1430	10300	436	493	210	219
22	610	754	1970	6510	3930	1430	1590	11000	321	445	200	229
23	535	558	1470	5150	2890	1390	1540	13200	375	327	191	205
24	448	430	1410	3790	2140	1450	1330	10100	2950	215	251	214
25	384	404	1200	2900	1640	2120	1320	7790	2210	246	357	310
26	358	525	960	2140	1380	2170	1180	5100	1300	296	288	472
27	334	644	979	1730	1290	1900	966	4650	872	1070	234	440
28	340	557	596	1760	1260	1530	908	3200	544	1880	213	437
29	349	631	518	1690	---	1190	744	2250	355	5810	279	431
30	435	852	729	3770	---	1990	665	1720	254	11800	225	353
31	372	---	652	7380	---	2610	---	1400	---	9110	283	---
TOTAL	18601	20126	43964	64436	98510	57680	65573	113055	49693	47498	22706	9521
MEAN	600	671	1418	2079	3518	1861	2186	3647	1656	1532	732	317
MAX	1830	1150	5980	7870	12100	3810	4390	16300	6440	11800	6160	1280
MIN	334	271	340	342	1260	1090	665	266	254	215	191	119

03197000 ELK RIVER AT QUEEN SHOALS, WV--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1958, BY WATER YEAR (WY) [UNREGULATED]

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	557	1093	2233	3130	3578	4210	2995	2149	1061	1279	980	408
MAX	3510	3488	5245	6482	7715	7339	5307	4352	3111	6268	4453	2398
(WY)	1938	1930	1943	1937	1939	1936	1958	1958	1940	1932	1958	1950
MIN	3.46	7.50	204	402	759	2154	799	384	113	17.1	13.1	7.21
(WY)	1931	1931	1931	1940	1934	1937	1942	1930	1936	1930	1930	1930

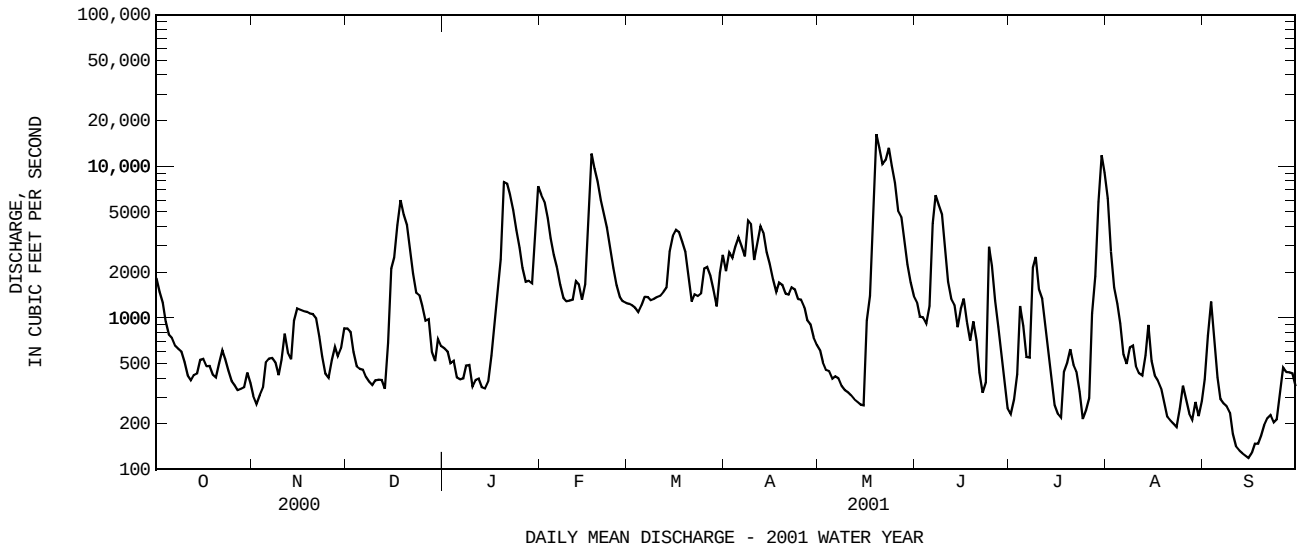
SUMMARY STATISTICS	WATER YEARS 1929 - 1958	
ANNUAL MEAN	1967	
HIGHEST ANNUAL MEAN	2821	1950
LOWEST ANNUAL MEAN	1214	1941
HIGHEST DAILY MEAN	58100	Jul 5 1932
LOWEST DAILY MEAN	.30	(a)
ANNUAL SEVEN-DAY MINIMUM	.86	Oct 30 1953
INSTANTANEOUS PEAK FLOW	(b)72000	Jul 5 1932
INSTANTANEOUS PEAK STAGE	29.20	Jul 5 1932
INSTANTANEOUS LOW FLOW	.30	(c)
10 PERCENT EXCEEDS	4650	
50 PERCENT EXCEEDS	955	
90 PERCENT EXCEEDS	90	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2001, BY WATER YEAR (WY) [REGULATED, UNADJUSTED]

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1002	1973	2854	3045	3533	4224	2762	2553	1316	895	936	639
MAX	5017	6135	7402	6743	7296	9051	5649	6601	4745	2735	3487	3072
(WY)	1977	1986	1973	1994	1994	1967	1987	1989	1981	1992	1972	1971
MIN	142	353	244	594	1708	1633	562	409	132	120	83.7	111
(WY)	1959	1995	1966	1977	1968	1987	1963	1964	1965	1964	1965	1959

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1959 - 2001	
ANNUAL TOTAL	646297		611363			
ANNUAL MEAN	1766		1675		2139	
HIGHEST ANNUAL MEAN					3249	1994
LOWEST ANNUAL MEAN					1063	1966
HIGHEST DAILY MEAN	19100	Feb 19	16300	May 19	35300	Mar 15 1967
LOWEST DAILY MEAN	271	Nov 2	119	Sep 15	9.0	Sep 27 1959
ANNUAL SEVEN-DAY MINIMUM	340	Oct 28	132	Sep 11	12	Sep 24 1959
MAXIMUM PEAK FLOW			22100	May 19	(b)47000	Mar 2 1997
MAXIMUM PEAK STAGE			15.90	May 19	25.36	Mar 2 1997
INSTANTANEOUS LOW FLOW			117	(d)	(f)	(f)
10 PERCENT EXCEEDS	4520		4120		5580	
50 PERCENT EXCEEDS	1060		872		1120	
90 PERCENT EXCEEDS	420		276		221	

a Nov. 3, 4, 1953.
b From rating curve extended above 40,000 ft^3/s.
c Nov. 4, 5, 1953.
d Sept. 15, 16.
f Not determined.



DAILY MEAN DISCHARGE - 2001 WATER YEAR

03198000 KANAWHA RIVER AT CHARLESTON, WV

LOCATION.--Lat 38°22'17", long 81°42'08", Kanawha County, Hydrologic Unit 05050008, on left bank at old lock 6, 1.0 mi upstream from Davis Creek, 1.5 mi downstream from Twomile Creek, 2.0 mi downstream from Patrick Street Bridge at Charleston, 3.5 mi downstream from Elk River, and at mile 54.5.

DRAINAGE AREA.--10,448 mi^2.

PERIOD OF RECORD.--June 1939 to current year. Monthly discharge only September 1939 to February 1940, published in WSP 1305.

REVISED RECORDS.--WSP 1335: 1943.

GAGE.--Water-stage recorder. Datum of gage is 548.00 ft above sea level (levels by U.S. Army Corps of Engineers). Auxiliary water-stage recorder 2.3 mi upstream from base gage at datum 547.00 ft, U.S. Army Corps of Engineers datum. Prior to Oct. 1, 1955, auxiliary gages at different sites and datum.

REMARKS.--Records good above 30,000 ft^3/s, fair 10,000 to 30,000 ft^3/s, and poor less than 10,000 ft^3/s. The rating lacks sensitivity at flows less than 10,000 ft^3/s, and records for flows less than 10,000 ft^3/s are estimated by summation of 03193000 Kanawha River at Kanawha Falls, 03197000 Elk River at Queen Shoals, and 1.08 times 03200500 Coal River at Tornado. Flow regulated since 1939 by increasing number of reservoirs upstream from station. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 29, 1861, reached a stage of about 54.3 ft.

PEAK DISCHARGES FOR CURRENT YEAR.--Maximum discharge, 116,000 ft^3/s, July 30, gage height, 31.75 ft.

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	e9700	e2600	e6500	e4200	27200	13700	35200	e6000	12800	e5000	67200	e4700
2	e8500	e2600	e5500	e3900	25100	12800	29500	e4600	11500	e5500	42700	e6100
3	e6300	e3400	e4900	e3500	19500	12600	26100	e4100	11600	e5200	29600	e6500
4	e5000	e3500	e4500	e3600	16800	12200	24300	e3900	11300	e5800	17700	e5200
5	e4600	e3600	e3600	e3400	14200	12500	21500	e4300	e10000	e5600	17400	e4400
6	e5400	e3600	e2900	e3500	12500	12600	20800	e4700	14800	e5200	14900	e3500
7	e6200	e3700	e2800	e3500	10900	12200	22000	e4600	25300	e5200	12900	e4200
8	e6200	e3700	e3100	e3500	e7400	11800	20700	e4100	28400	32000	11000	e4400
9	e5900	e3700	e3000	e3500	e6800	13000	18900	e3900	26500	41700	e7200	e4700
10	e4300	e4500	e3100	e3200	10600	12300	15500	e3700	19100	26900	e6100	e4200
11	e3400	e6700	e3200	e3200	e7600	12000	16800	e3500	16200	15300	e5900	e3700
12	e3300	e6900	e3100	e3200	10100	11800	16400	e3400	11700	11500	e6000	e3000
13	e3300	e7900	e3000	e3100	10100	15600	15800	e3400	11000	10300	e7600	e3000
14	e4200	e8100	e4300	e3000	e7000	21700	14600	e3300	10000	e5900	10200	e3300
15	e5100	e7500	e7500	e3100	10900	21300	11500	e3300	e8100	e5200	11300	e4300
16	e3400	e7100	10700	e3600	21100	22500	12200	e11000	e7900	e4400	10300	e4100
17	e3200	e6700	15600	e5200	45500	23300	10800	29600	e7200	e4600	e7100	e3800
18	e3200	e6300	23300	e6600	45200	21800	11200	66400	e7000	10200	e5400	e5300
19	e3200	e5700	25400	13300	36200	21200	10100	96700	e6400	e5400	e4700	e5000
20	e3100	e5200	21800	33300	31000	14600	e8000	76700	e5400	e5200	e4100	e5100
21	e3100	e4800	16900	39100	22600	15400	e7800	52600	e4500	e4700	e3900	e4800
22	e3200	e4100	13500	33400	18300	16500	e8300	59400	e4300	e4500	e4200	e5500
23	e3200	e4100	10100	26500	16100	22500	10100	99400	e6400	e4500	e3800	e5500
24	e3000	e4300	10100	22700	14400	23400	e8400	92500	11200	e3900	e4500	e5100
25	e2900	e4300	e6100	17200	13600	20300	e8600	67000	11400	e4500	e4100	e6600
26	e2800	e4600	e4900	14900	12400	19000	e7600	53300	e7100	11000	e3800	e5700
27	e2800	e4900	e5200	14200	13000	15100	e6100	55200	e5600	41300	e4000	e5700
28	e2800	e5500	e5000	11500	14200	14500	e6500	39100	e5700	30100	e3700	e5800
29	e2800	e6800	e4700	10900	---	12600	e7200	26700	e6500	67200	e3600	e6000
30	e2800	e8100	e4600	14600	---	16500	e7300	20600	e6200	106000	e3600	e5500
31	e2700	---	e4300	26700	---	33600	---	16600	---	96200	e5100	---
TOTAL	129600	154500	243200	345100	500300	520900	439800	923600	331100	590000	343600	144700
MEAN	4181	5150	7845	11130	17870	16800	14660	29790	11040	19030	11080	4823
MAX	9700	8100	25400	39100	45500	33600	35200	99400	28400	106000	67200	6600
MIN	2700	2600	2800	3000	6800	11800	6100	3300	4300	3900	3600	3000

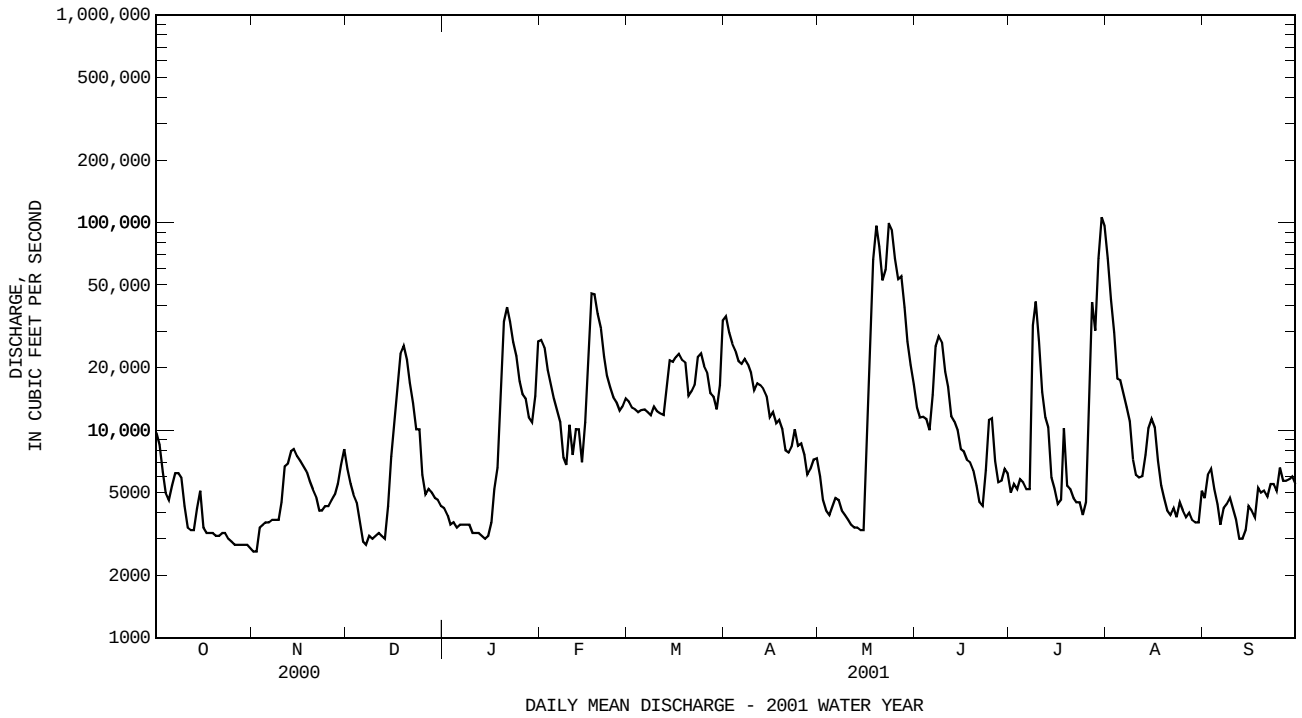
03198000 KANAWHA RIVER AT CHARLESTON, WV--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	6869	10810	16650	20970	25430	30250	22190	18060	10600	7616	6868	5365
MAX	30780	32440	40920	46440	52020	62900	59000	38550	25700	19030	19030	18360
(WY)	1977	1986	1973	1996	1994	1963	1987	1989	1981	2001	1958	1989
MIN	1465	1703	2461	4226	7584	10680	6553	4894	2745	2394	2080	1553
(WY)	1954	1954	1966	1966	1941	1988	1986	1941	1999	1966	1944	1953

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1941 - 2001	
ANNUAL TOTAL	4302600		4666400			
ANNUAL MEAN	11760		12780		15090	
HIGHEST ANNUAL MEAN					20960	1973
LOWEST ANNUAL MEAN					8649	1988
HIGHEST DAILY MEAN	88000	Feb 20	106000	Jul 30	160000	Mar 7 1967
LOWEST DAILY MEAN	(e)2600	(a)	2600	(a)	1100	Jul 30 1966
ANNUAL SEVEN-DAY MINIMUM	2730	Oct 27	2730	Oct 27	1250	Sep 26 1953
MAXIMUM PEAK FLOW			116000	Jul 30	216000	Aug 15 1940
MAXIMUM PEAK STAGE			31.75	Jul 30	39.72	Mar 7 1955
INSTANTANEOUS LOW FLOW			(b)	(b)	1030	(c)
10 PERCENT EXCEEDS	23400		26700		33500	
50 PERCENT EXCEEDS	7850		6800		9400	
90 PERCENT EXCEEDS	3600		3300		3100	

a Nov. 1, 2.
b Not determined.
c Minimum discharge less than 1,030 ft^3/s during Oct. 1-5, 1953.
e Estimated.



DAILY MEAN DISCHARGE - 2001 WATER YEAR

03198350 CLEAR FORK AT WHITESVILLE, WV

LOCATION.--Lat 37°57'58", long 81°31'28", Raleigh County, Hydrologic Unit 05050004, at Leevale, on left bank, at Secondary Route 1-21 highway bridge, 0.7 mi southeast of Whitesville, and 0.6 mi upstream from mouth.

DRAINAGE AREA.--62.8 mi^2.

PERIOD OF RECORD.--October 1996 to current year.

GAGE.--Water-stage recorder. Datum of gage is 818.98 ft above sea level.

REMARKS.--Records fair except those for periods of estimated daily discharges, and July 8 to Sept. 30, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 17	0600	1,960	18.90	Jul 8	Unknown	(a)*12,000	(a)*28.47
May 18	1100	2,410	19.96	Jul 26	2130	(b)9,050	(b)26.62
Jun 7	0300	1,380	17.51	Jul 29	1830	1,360	18.07

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	35	10	12	e22	93	54	134	33	73	24	203	e36
2	31	10	11	21	81	55	125	32	70	39	e160	e34
3	27	10	11	19	70	51	125	34	66	25	e130	e30
4	24	10	10	e18	63	50	118	46	61	28	e170	e27
5	22	10	10	e17	60	76	110	47	148	31	e150	e24
6	20	9.9	10	e16	54	86	103	36	385	37	e120	e21
7	19	11	10	e15	47	85	119	30	939	27	e100	e19
8	18	11	10	e14	42	82	108	27	378	2760	e86	e18
9	17	13	10	e13	40	100	102	26	211	662	e76	e17
10	16	41	10	13	42	101	106	24	142	282	e70	e16
11	15	26	11	e12	36	99	193	22	108	152	e64	e15
12	14	20	12	e12	33	105	146	21	93	113	e80	e14
13	14	18	11	e12	33	161	131	21	80	98	e95	e13
14	13	19	76	e12	35	169	116	18	72	88	e87	e12
15	13	17	84	e11	75	161	108	28	63	80	e80	e12
16	13	15	67	e11	169	169	98	71	80	e76	e72	e11
17	12	15	181	e11	529	151	88	1040	72	e74	e64	e11
18	19	13	165	29	237	117	82	1410	58	e100	56	e11
19	20	13	109	270	153	98	73	470	50	e74	58	e12
20	15	13	74	408	114	87	69	250	45	e56	69	e13
21	13	12	58	192	93	92	66	182	42	e46	56	e15
22	13	11	49	125	83	112	62	567	40	e40	49	e17
23	13	11	44	95	74	130	58	607	72	e35	51	e16
24	12	11	e39	80	67	121	58	281	51	29	64	e26
25	17	12	33	69	65	104	53	202	42	30	e41	e41
26	16	13	e31	58	63	89	48	151	37	1580	e41	e41
27	13	12	e30	59	58	81	45	121	36	575	e39	e39
28	12	11	e28	51	58	73	42	121	30	190	e34	e37
29	12	11	e26	49	---	73	37	102	27	747	e30	e40
30	11	14	e24	82	---	123	34	90	25	530	e28	e47
31	11	---	e23	103	---	138	---	79	---	309	e27	---
TOTAL	520	422.9	1279	1919	2567	3193	2757	6189	3596	8937	2450	685
MEAN	16.8	14.1	41.3	61.9	91.7	103	91.9	200	120	288	79.0	22.8
MAX	35	41	181	408	529	169	193	1410	939	2760	203	47
MIN	11	9.9	10	11	33	50	34	18	25	24	27	11
CFSM	.27	.22	.66	.99	1.46	1.64	1.46	3.18	1.91	4.59	1.26	.36
IN.	.31	.25	.76	1.14	1.52	1.89	1.63	3.67	2.13	5.29	1.45	.41

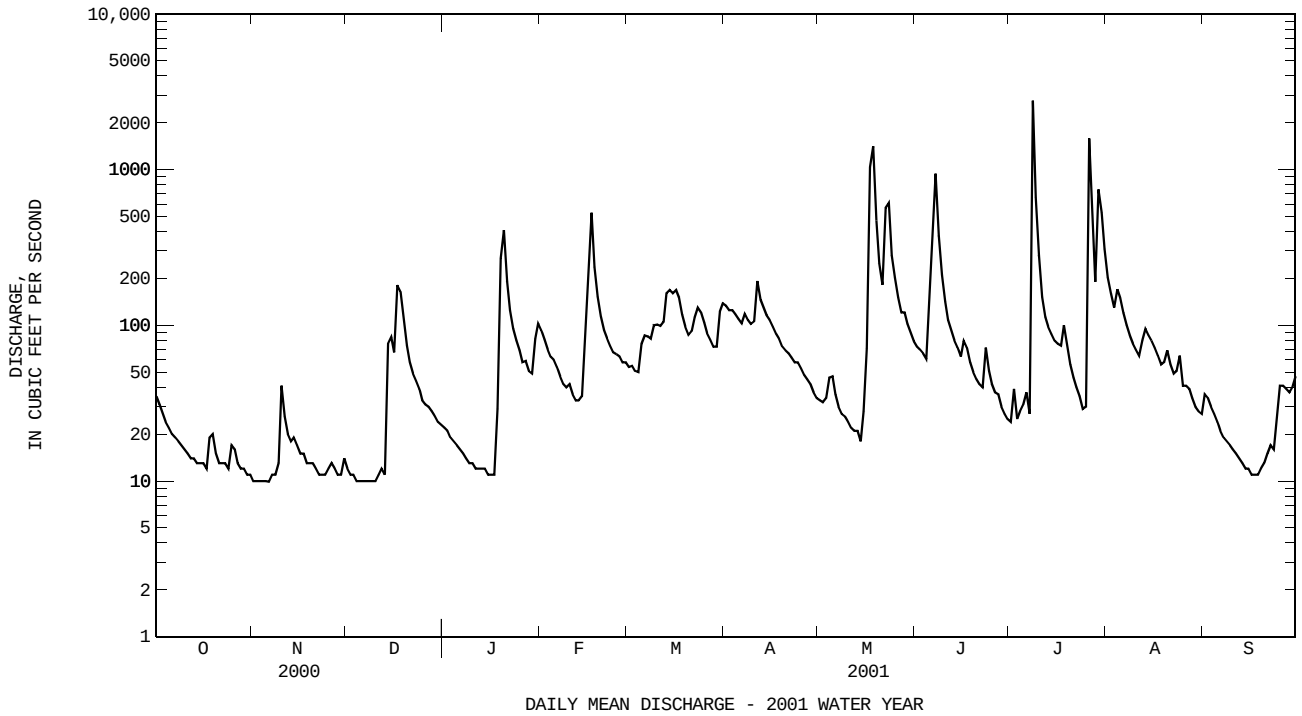
03198350 CLEAR FORK AT WHITESVILLE, WV--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	15.8	31.5	50.2	84.2	131	153	115	96.5	78.7	82.3	32.9	19.2
MAX	36.3	87.1	115	148	297	221	177	200	135	288	79.0	50.3
(WY)	1997	1997	1997	1999	1998	1997	1998	2001	1997	2001	2001	2000
MIN	7.30	11.6	19.7	27.2	60.6	76.2	55.0	30.1	8.53	6.88	7.76	4.42
(WY)	1999	1999	1998	2000	1999	2000	1999	1999	1999	1999	1999	1999

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1997 - 2001	
ANNUAL TOTAL	21367.9		34514.9			
ANNUAL MEAN	58.4		94.6		73.9	
HIGHEST ANNUAL MEAN					94.6	2001
LOWEST ANNUAL MEAN					47.9	1999
HIGHEST DAILY MEAN	571	Feb 14	2760	Jul 8	2760	Jul 8 2001
LOWEST DAILY MEAN	9.9	Nov 6	9.9	Nov 6	2.5	(c)
ANNUAL SEVEN-DAY MINIMUM	10	Dec 4	10	Dec 4	2.8	Sep 21 1999
MAXIMUM PEAK FLOW			(a)12000	Jul 8	(a)12000	Jul 8 2001
MAXIMUM PEAK STAGE			(b)28.47	Jul 8	(b)28.47	Jul 8 2001
INSTANTANEOUS LOW FLOW			7.1	(d)	2.1	Sep 27 1999
ANNUAL RUNOFF (CFSM)	.93		1.51		1.18	
ANNUAL RUNOFF (INCHES)	12.66		20.45		15.99	
10 PERCENT EXCEEDS	135		161		162	
50 PERCENT EXCEEDS	33		46		39	
90 PERCENT EXCEEDS	13		12		7.9	

a From rating curve extended above 3,300 ft^3/s on basis of slope-area measurement of peak flow.
b From floodmarks.
c Sept. 26, 27, 1999.
d Nov. 22, 23.
e Estimated.



DAILY MEAN DISCHARGE - 2001 WATER YEAR

03198500 BIG COAL RIVER AT ASHFORD, WV

LOCATION.--Lat 38°10'47", long 81°42'42", Boone County, Hydrologic Unit 05050009, on left bank at downstream side of highway bridge at Ashford, 300 ft upstream from Lick Creek, 1.0 mi downstream from Brush Creek, 1.8 mi upstream from Bull Creek, and at mile 30.2 upstream from Kanawha River.

DRAINAGE AREA.--391 mi^2.

PERIOD OF RECORD.--June 1908 to September 1916, May 1930 to current year. Published as Coal River at Brushton, June 1908 to September 1916 and as Coal River at Ashford, May 1930 to September 1960.

REVISED RECORDS.--WSP 1305: 1913-14(M). WSP 1335: 1912, 1916(M). WDR WV-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 622.46 ft above sea level. Prior to Aug. 9, 1916, nonrecording gage at site 1.0 mi upstream at different datum. May 7, 1930 to Feb. 10, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good except those for periods of estimated daily discharges (ice effect), which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 17	1430	9,740	14.93	Jul 9	0100	*16,300	*20.26
May 18	1900	11,600	16.63	Jul 27	0430	10,600	15.73
May 23	0230	8,190	13.22	Jul 30	0300	13,800	18.43

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	168	57	57	e85	615	360	943	167	344	117	1280	172
2	148	70	56	e80	523	336	988	163	317	139	895	170
3	135	83	55	e78	445	320	913	172	311	116	680	148
4	126	89	54	e75	383	300	883	162	279	105	809	127
5	117	84	54	e73	353	420	789	159	312	128	589	115
6	111	83	51	e70	320	540	718	149	1460	142	488	106
7	102	84	49	e68	287	563	874	138	3340	127	380	96
8	91	87	47	e66	254	539	784	129	1820	4050	320	89
9	86	92	47	e65	230	572	673	129	1000	7650	281	85
10	79	147	49	64	241	623	589	117	673	1470	264	81
11	74	158	52	e62	229	600	715	105	507	751	241	77
12	73	124	52	e60	209	592	655	103	405	490	396	71
13	70	108	52	e59	197	725	589	106	341	362	512	71
14	68	102	195	e58	197	950	573	98	291	288	467	69
15	68	99	332	e57	336	905	530	104	252	244	314	66
16	67	92	292	e57	996	992	491	219	260	212	247	65
17	66	73	682	e56	4330	968	443	5480	279	193	212	64
18	71	66	1070	107	2380	820	426	8510	216	292	188	62
19	83	63	649	638	1330	689	385	4970	183	234	174	61
20	80	63	436	3730	931	593	360	2100	160	185	211	73
21	73	61	311	1720	714	562	342	1350	147	161	185	77
22	68	57	255	949	582	649	325	2750	136	143	161	88
23	66	54	202	666	505	741	302	6040	214	137	150	74
24	65	56	183	533	437	753	280	2330	219	128	186	112
25	71	58	160	447	413	669	264	1390	177	117	190	197
26	76	59	118	371	416	572	240	1010	165	1070	159	156
27	76	61	e110	340	406	491	224	778	157	6640	145	120
28	71	58	e105	317	390	426	206	679	124	2230	161	94
29	67	57	e98	290	---	404	189	563	117	5770	147	82
30	61	57	e93	415	---	674	178	454	148	9060	133	77
31	59	---	e88	654	---	900	---	380	---	2410	127	---
TOTAL	2636	2402	6054	12310	18649	19248	15871	41004	14354	45161	10692	2945
MEAN	85.0	80.1	195	397	666	621	529	1323	478	1457	345	98.2
MAX	168	158	1070	3730	4330	992	988	8510	3340	9060	1280	197
MIN	59	54	47	56	197	300	178	98	117	105	127	61
CFSM	.22	.20	.50	1.02	1.70	1.59	1.35	3.38	1.22	3.73	.88	.25
IN.	.25	.23	.58	1.17	1.77	1.83	1.51	3.90	1.37	4.30	1.02	.28

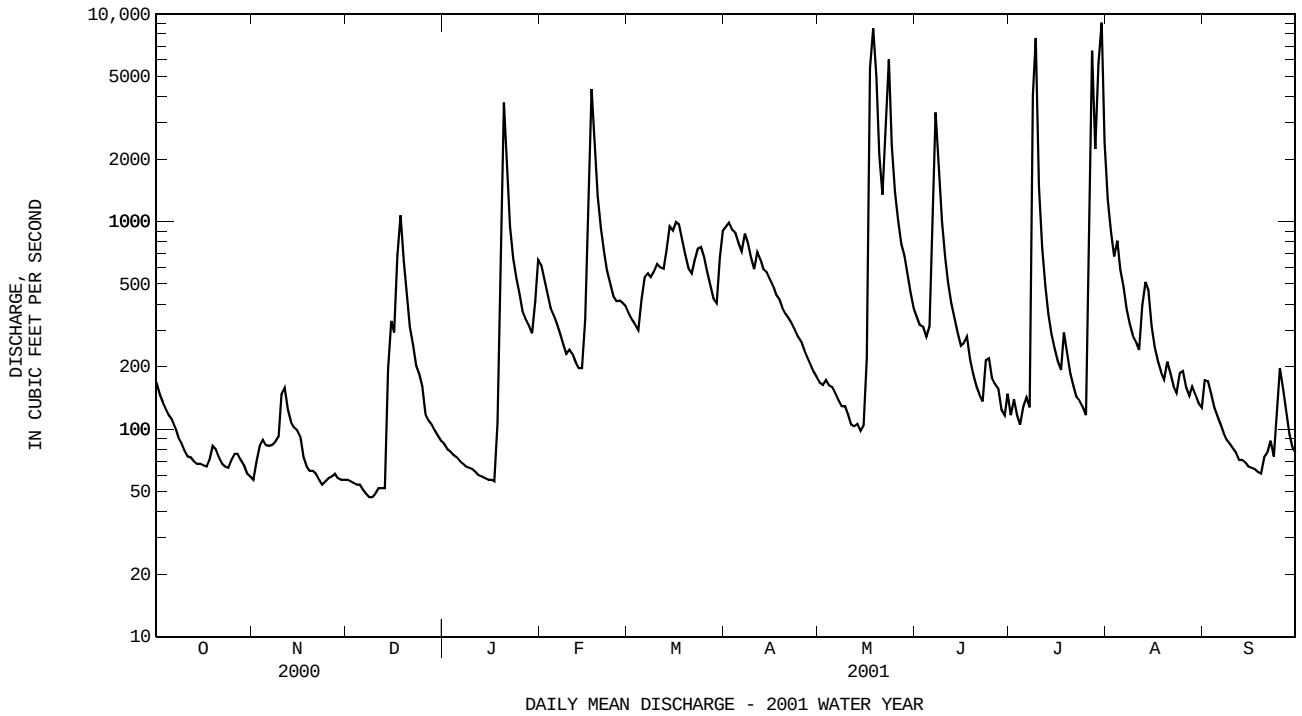
03198500 BIG COAL RIVER AT ASHFORD, WV--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1908 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	122	240	555	828	1004	1202	894	609	308	237	173	99.3
MAX	1086	914	2043	2241	2243	2866	2448	2169	1208	1457	1570	442
(WY)	1990	1987	1943	1974	1972	1955	1987	1996	1981	2001	1916	1950
MIN	1.11	5.94	16.7	29.4	142	366	173	89.2	19.6	6.41	11.9	1.13
(WY)	1931	1931	1931	1940	1941	1988	1942	1941	1936	1930	1957	1930

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1908 - 2001	
ANNUAL TOTAL	143285		191326			
ANNUAL MEAN	391		524		522	
HIGHEST ANNUAL MEAN					864	1994
LOWEST ANNUAL MEAN					206	1941
HIGHEST DAILY MEAN	4340	Feb 19	9060	Jul 30	20400	Mar 7 1967
LOWEST DAILY MEAN	47	(a)	47	(a)	.00	(b)
ANNUAL SEVEN-DAY MINIMUM	50	Dec 6	50	Dec 6	.00	Oct 6 1930
MAXIMUM PEAK FLOW			16300	Jul 9	(c)35800	Aug 9 1916
MAXIMUM PEAK STAGE			20.26	Jul 9	(d)36.30	Aug 9 1916
INSTANTANEOUS LOW FLOW			46	Jan 10	.00	(b)
ANNUAL RUNOFF (CFSM)	1.00		1.34		1.33	
ANNUAL RUNOFF (INCHES)	13.63		18.20		18.13	
10 PERCENT EXCEEDS	893		945		1230	
50 PERCENT EXCEEDS	220		193		220	
90 PERCENT EXCEEDS	68		63		28	

a Dec. 8, 9.
b Sept. 18-21, 24, Oct. 6-12, 1930.
c From rating curve extended above 25,000 ft^3/s.
d Observed. From floodmark, site and datum then in use. This peak stage is 35.66 ft at present site and datum.
e Estimated.



DAILY MEAN DISCHARGE - 2001 WATER YEAR

03200500 COAL RIVER AT TORNADO, WV

LOCATION.--Lat 38°20'20", long 81°50'30", Kanawha County, Hydrologic Unit 05050009, on downstream side of highway bridge at Tornado, 0.2 mi upstream from Falls Creek, and at mile 11.5.

DRAINAGE AREA.--862 mi^2, includes that of Falls Creek.

PERIOD OF RECORD.--June 1908 to September 1911, October 1911 to June 1912 (gage heights only), November 1928 to September 1931, August 1961 to current year.

REVISED RECORDS.--WDR WV-82-1: Drainage area. WDR WV-97-1: 1962-63(M), 1967(M), 1970(M).

GAGE.--Water-stage recorder. Datum of gage is 570.46 ft above sea level. Aug. 1, 1961 to Jan. 9, 1973, nonrecording gage at same site and datum. Prior to Aug. 1, 1961, nonrecording gage at same site at different datum.

REMARKS.--Records good except those for periods of estimated daily discharges (ice effect), which are poor. National Weather Service gage-height telemeter and U.S. Army Corps of Engineers satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 16,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 19	0400	*25,400	*25.11	Jul 30	0900	22,000	23.15
May 23	0800	17,200	20.13				

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	364	136	166	e225	1310	723	2170	406	1090	359	2360	392
2	328	148	163	e220	1150	681	2430	399	963	386	1600	434
3	300	167	154	e210	990	655	2170	411	979	351	1190	368
4	285	195	142	e205	863	667	2050	392	884	277	1230	324
5	259	193	144	e195	786	853	1830	376	969	381	1060	297
6	241	212	136	e190	718	1110	1630	362	2540	420	857	273
7	245	207	142	e185	641	1150	1850	336	7510	357	725	255
8	220	218	132	e180	587	1110	1700	319	4280	1540	648	237
9	197	227	124	e175	523	1090	1480	314	2370	10900	579	224
10	196	336	121	e170	558	1160	1290	320	1620	2510	542	205
11	169	441	137	168	571	1130	1320	295	1200	1230	535	200
12	169	348	139	e165	505	1140	1310	275	944	817	578	187
13	166	304	140	e160	484	1460	1190	259	861	614	862	181
14	169	280	588	e155	488	1680	1190	252	700	514	1010	183
15	149	257	804	e155	783	1740	1100	254	604	448	778	186
16	150	234	669	e150	2160	1990	1040	519	552	397	598	183
17	151	201	1130	e145	9390	2000	945	6340	599	493	517	183
18	166	175	2090	243	5830	1720	930	15800	493	609	488	176
19	213	151	1370	997	2930	1470	847	20000	432	487	444	179
20	226	155	934	6880	2100	1270	786	6300	388	379	448	201
21	191	169	669	4010	1640	1280	736	3380	359	326	462	234
22	167	162	523	2270	1320	1460	711	6090	336	296	404	240
23	163	141	335	1600	1160	1590	659	14700	404	293	379	210
24	153	138	e320	1280	985	1620	612	6160	544	266	407	212
25	158	151	e300	1070	920	1490	586	3370	422	243	444	414
26	175	167	285	890	878	1280	538	2420	359	438	385	409
27	206	175	e270	793	815	1100	511	1900	420	9720	359	315
28	188	168	e260	758	773	963	490	1710	360	3620	354	256
29	174	156	e250	691	---	893	452	1580	303	7380	352	220
30	147	162	e240	875	---	1470	435	1340	406	18200	325	208
31	149	---	e230	1330	---	1950	---	1180	---	5430	336	---
TOTAL	6234	6174	13107	26740	41858	39895	34988	97759	33891	69681	21256	7586
MEAN	201	206	423	863	1495	1287	1166	3154	1130	2248	686	253
MAX	364	441	2090	6880	9390	2000	2430	20000	7510	18200	2360	434
MIN	147	136	121	145	484	655	435	252	303	243	325	176
CFSM	.23	.24	.49	1.00	1.73	1.49	1.35	3.66	1.31	2.61	.80	.29
IN.	.27	.27	.57	1.15	1.81	1.72	1.51	4.22	1.46	3.01	.92	.33

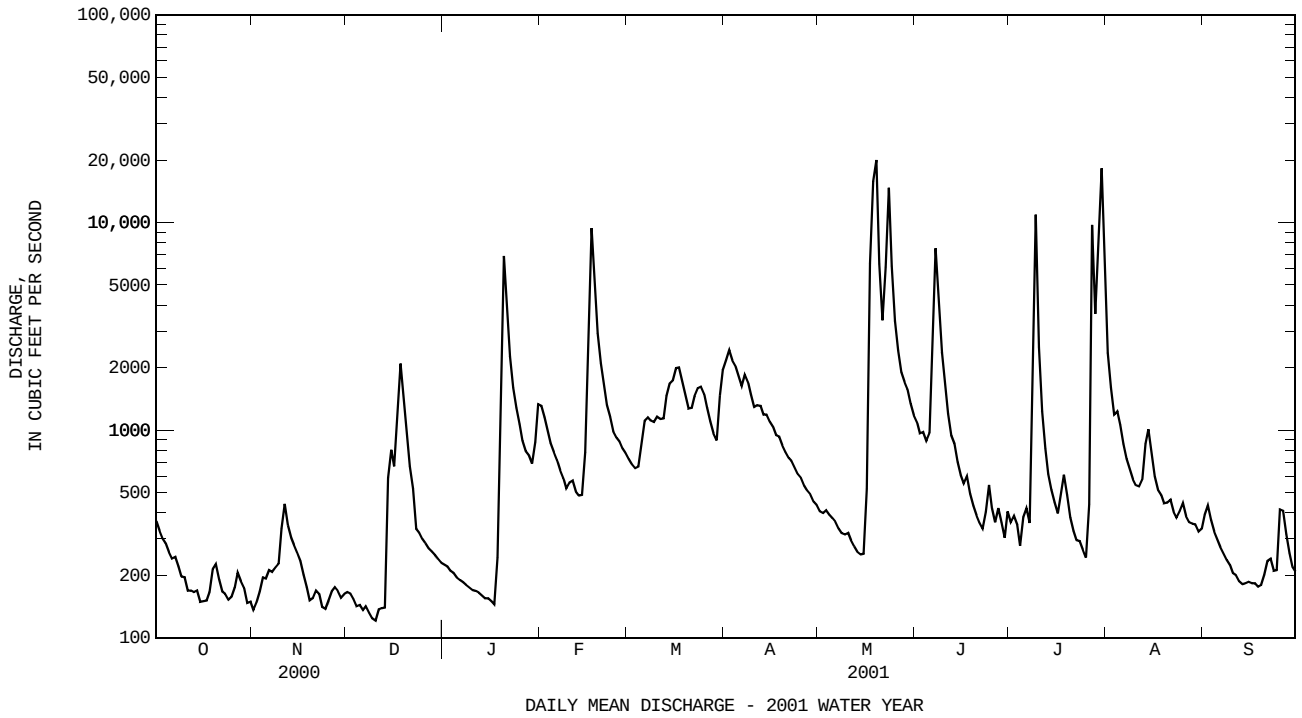
03200500 COAL RIVER AT TORNADO, WV--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1908 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	357	745	1308	1721	2160	2504	1966	1568	820	574	429	291
MAX	1832	2525	3723	4433	4749	5634	4812	5122	2548	2248	1394	1108
(WY)	1990	1930	1973	1979	1972	1963	1987	1996	1981	2001	1968	1989
MIN	3.05	10.5	46.7	209	631	757	509	234	47.2	8.67	26.1	7.00
(WY)	1931	1931	1931	1931	1931	1910	1986	1930	1930	1930	1930	1930

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1908 - 2001	
ANNUAL TOTAL	314459		399169			
ANNUAL MEAN	859		1094		1200	
HIGHEST ANNUAL MEAN					1853	1994
LOWEST ANNUAL MEAN					585	1988
HIGHEST DAILY MEAN	10100	Feb 19	20000	May 19	32000	Dec 31 1969
LOWEST DAILY MEAN	121	Dec 10	121	Dec 10	(e)2.0	(a)
ANNUAL SEVEN-DAY MINIMUM	133	Dec 6	133	Dec 6	2.0	Oct 1 1930
MAXIMUM PEAK FLOW			25400	May 19	35500	Mar 7 1967
MAXIMUM PEAK STAGE			25.11	May 19	31.98	Mar 7 1967
INSTANTANEOUS LOW FLOW			117	Dec 10	2.0	Oct 1 1930
ANNUAL RUNOFF (CFSM)	1.00		1.27		1.39	
ANNUAL RUNOFF (INCHES)	13.57		17.23		18.92	
10 PERCENT EXCEEDS	1970		1990		2710	
50 PERCENT EXCEEDS	477		444		637	
90 PERCENT EXCEEDS	168		166		109	

a Oct. 1-10, 1930.
e Estimated.



DAILY MEAN DISCHARGE - 2001 WATER YEAR

03201405 HURRICANE CREEK AT HURRICANE, WV

LOCATION.--Lat 38°26'43", long 82°00'25", Putnam County, Hydrologic Unit 05050008, on right bank at Interstate 64 bridge over Hurricane Creek and just upstream from the Hurricane Waste Water Treatment Plant chain-linked fence.

DRAINAGE AREA.--26.8 mi^2.

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is 600.00 ft above sea level.

REMARKS.--Records good, except those for periods of estimated daily discharges (ice effect, no gage-height record), which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 13	0930	905	12.02	Jul 26	2030	*1,630	*16.30
May 18	0730	1,180	13.71	Jul 28	1830	1,100	13.23
May 19	0530	1,370	14.85	Aug 13	0100	1,380	14.88
May 22	1630	702	10.71				

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	2.6	1.1	2.2	e1.1	26	8.0	58	2.4	8.7	1.9	16	12
2	2.2	1.1	2.1	e1.0	18	8.0	67	2.4	9.7	2.2	9.3	3.4
3	2.1	1.1	1.9	.95	13	7.5	50	2.2	40	1.9	6.3	2.1
4	2.0	1.1	2.2	e.90	12	74	40	2.6	27	2.4	5.2	1.6
5	2.4	.99	1.8	e.86	12	164	29	1.9	43	2.7	4.0	1.4
6	4.0	.92	1.7	e.80	12	59	25	1.7	49	2.2	3.2	1.1
7	3.4	1.5	1.7	e.77	10	37	30	1.5	98	1.9	5.6	1.1
8	2.9	1.2	1.7	e.74	e9.2	27	23	1.6	32	2.7	7.1	1.0
9	2.7	9.9	1.6	e.71	e8.5	21	19	2.0	17	2.4	2.9	.89
10	3.1	33	1.7	e.69	15	16	16	2.2	11	2.2	3.7	1.2
11	3.0	6.2	1.8	e.67	10	14	14	1.8	8.3	1.9	2.7	.88
12	2.9	3.4	1.6	e.65	8.8	17	12	1.3	6.7	1.5	99	.87
13	2.7	2.8	3.1	e.64	8.4	455	11	1.2	10	1.3	322	.85
14	2.7	2.6	125	e.63	9.5	83	8.2	1.3	6.2	1.5	20	.80
15	2.4	2.2	26	e.62	45	63	8.1	7.4	4.8	1.3	9.0	.90
16	2.3	2.1	56	e.61	166	69	8.9	136	4.3	1.3	5.1	.81
17	3.6	1.9	222	e.60	252	43	7.8	253	3.6	52	3.3	.75
18	6.7	1.7	44	4.0	57	29	8.4	882	3.1	127	2.5	.72
19	4.6	1.6	23	254	34	22	6.3	1020	2.8	12	3.3	.95
20	3.3	1.7	12	128	25	19	6.0	199	2.7	6.2	3.0	3.8
21	3.3	1.7	8.7	37	19	237	6.0	156	4.1	4.6	2.0	1.3
22	2.7	1.6	7.6	28	16	100	5.5	418	15	3.7	1.6	.91
23	2.8	1.6	3.9	e23	14	49	4.9	156	6.1	3.0	1.6	.76
24	3.5	1.6	e3.0	20	12	35	4.8	132	4.1	2.5	3.1	2.2
25	5.3	2.6	e2.5	e17	13	25	4.4	105	3.1	3.2	1.8	1.6
26	4.7	2.9	e2.1	15	11	20	3.7	38	2.6	495	1.6	1.2
27	2.6	2.6	e1.9	18	8.7	16	3.4	27	2.6	205	5.1	.79
28	1.9	2.0	e1.7	18	9.0	13	3.4	20	2.2	561	2.3	.67
29	1.6	1.9	e1.5	18	---	13	2.8	13	1.9	370	27	.62
30	1.4	2.4	e1.3	85	---	21	2.6	9.2	2.1	112	19	.56
31	1.2	---	e1.2	48	---	17	---	7.2	---	33	13	---
TOTAL	92.6	99.01	568.5	725.94	854.1	1781.5	489.2	3604.9	431.7	2021.5	611.3	47.73
MEAN	2.99	3.30	18.3	23.4	30.5	57.5	16.3	116	14.4	65.2	19.7	1.59
MAX	6.7	33	222	254	252	455	67	1020	98	561	322	12
MIN	1.2	.92	1.2	.60	8.4	7.5	2.6	1.2	1.9	1.3	1.6	.56
CFSM	.11	.12	.68	.87	1.14	2.14	.61	4.34	.54	2.43	.74	.06
IN.	.13	.14	.79	1.01	1.19	2.47	.68	5.00	.60	2.81	.85	.07

03201405 HURRICANE CREEK AT HURRICANE, WV--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4.24	8.28	16.5	32.3	48.0	56.6	29.9	44.1	16.7	48.7	18.1	5.25
MAX	7.21	17.7	19.7	64.4	84.5	78.4	62.0	116	35.1	80.6	25.3	13.5
(WY)	2000	2000	2000	1999	2000	1999	2000	2001	2000	2000	2000	2000
MIN	2.54	3.30	11.6	9.18	27.8	34.0	11.5	2.25	.79	.42	9.18	.69
(WY)	1999	2001	1999	2000	1999	2000	1999	1999	1999	1999	1999	1999

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1998 - 2001	
ANNUAL TOTAL	11575.27		11327.98			
ANNUAL MEAN	31.6		31.0		27.4	
HIGHEST ANNUAL MEAN					33.3	2000
LOWEST ANNUAL MEAN					17.8	1999
HIGHEST DAILY MEAN	695	Feb 19	1020	May 19	1020	May 19 2001
LOWEST DAILY MEAN	.92	Nov 6	.56	Sep 30	.08	(a)
ANNUAL SEVEN-DAY MINIMUM	1.1	Oct 31	.63	Jan 11	.09	Jul 13 1999
MAXIMUM PEAK FLOW			1630	Jul 26	1770	Feb 18 2000
MAXIMUM PEAK STAGE			16.30	Jul 26	17.06	Feb 18 2000
INSTANTANEOUS LOW FLOW			.50	Sep 30	.06	(a)
ANNUAL RUNOFF (CFSM)	1.18		1.16		1.02	
ANNUAL RUNOFF (INCHES)	16.07		15.72		13.89	
10 PERCENT EXCEEDS	83		58		62	
50 PERCENT EXCEEDS	5.6		3.7		4.7	
90 PERCENT EXCEEDS	1.7		1.1		.70	

a July 18, 19, 1999.
e Estimated.