

03050000 TYGART VALLEY RIVER NEAR DAILEY, WV

LOCATION.--Lat 38°48'33", long 79°52'55", NAD 27, Randolph County, Hydrologic Unit 05020001, on right bank 50 ft downstream from highway bridge, 1,000 ft upstream from Stalnaker Run, 1.0 mi northeast of Dailey, 2.5 mi south of Beverly, and at mile 98.4.

DRAINAGE AREA.--185 mi².

PERIOD OF RECORD.--April 1915 to September 1975, October 1975 to October 1976 (gage heights only), July 1988 to current year. Prior to October 1960, published as Tygart River near Dailey.

REVISED RECORDS.--WSP 823: Drainage area. WSP 873: 1932(M), WSP 1053: 1918(M), 1928(M), 1932, 1934-38. WSP 1305: 1924(M). WDR WV-97-1: Drainage area, 1976(M).

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 1,940.09 ft above mean sea level, adjustment of 1912. Prior to Sept. 27, 1928, nonrecording gage a few feet upstream at same datum. Sept. 27, 1928, to Dec. 16, 1941, nonrecording gage at site 50 ft upstream at same datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Nov. 5, 1985, reached a stage of 16.6 ft, from floodmarks; discharge, about 22,000 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 13	1100	8,940	12.31	Apr 14	0600	5,580	10.60
Nov 20	0400	8,430	12.10	May 28	2100	9,410	12.50
Feb 6	2200	*9,670	*12.60				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	128	325	596	474	e125	225	541	304	533	39	59	11
2	138	278	517	652	e170	421	819	270	476	35	61	10
3	114	242	422	1,150	204	742	781	399	365	33	53	8.4
4	124	212	355	938	660	703	897	349	276	46	42	7.2
5	229	219	320	865	520	714	761	295	291	50	44	6.2
6	197	609	313	992	5,260	2,110	661	258	362	50	45	5.6
7	159	685	274	726	6,040	2,040	642	222	336	39	46	5.0
8	133	573	251	538	1,490	1,220	719	197	256	31	34	24
9	112	435	249	433	797	836	620	171	197	26	26	414
10	98	345	343	330	586	646	454	151	160	95	21	203
11	86	294	1,720	236	462	553	376	118	193	260	17	108
12	77	1,480	1,060	e210	386	504	385	107	399	126	18	78
13	70	6,400	657	e195	348	415	2,400	139	280	824	54	53
14	82	1,430	531	e180	323	345	4,370	177	202	297	58	39
15	858	729	448	e165	295	359	1,520	152	167	167	40	29
16	806	502	348	157	240	490	856	132	152	109	29	22
17	476	378	489	183	223	947	597	124	199	76	25	21
18	352	301	627	274	210	720	441	177	172	82	21	969
19	278	1,830	501	524	194	1,110	348	484	216	148	18	553
20	227	4,670	404	424	227	999	292	569	171	105	16	233
21	191	1,090	323	347	642	1,690	259	900	133	69	24	136
22	183	658	305	e300	669	1,250	221	2,510	118	52	36	87
23	177	467	604	260	462	774	194	901	134	53	40	60
24	150	380	2,210	e220	381	613	201	479	108	107	28	45
25	127	356	1,830	e195	329	527	181	321	86	66	20	36
26	113	293	856	e180	282	450	1,430	394	80	120	15	30
27	257	259	573	219	253	402	1,860	1,290	77	1,110	12	25
28	869	320	441	186	221	408	795	5,200	62	288	10	e200
29	604	725	383	e160	209	364	510	3,280	53	140	9.9	e1,400
30	479	624	515	e145	---	331	376	827	46	88	19	e500
31	388	---	586	e135	---	352	---	604	---	66	14	---
TOTAL	8,282	27,109	19,051	11,993	22,208	23,260	24,507	21,501	6,300	4,797	954.9	5,318.4
MEAN	267	904	615	387	766	750	817	694	210	155	30.8	177
MAX	869	6,400	2,210	1,150	6,040	2,110	4,370	5,200	533	1,110	61	1,400
MIN	70	212	249	135	125	225	181	107	46	26	9.9	5.0
CFSM	1.44	4.88	3.32	2.09	4.14	4.06	4.42	3.75	1.14	0.84	0.17	0.96
IN.	1.67	5.45	3.83	2.41	4.47	4.68	4.93	4.32	1.27	0.96	0.19	1.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2004, BY WATER YEAR (WY)

MEAN	123	245	444	549	597	718	523	454	240	162	157	91.9
MAX	664	904	1,269	1,092	1,270	1,780	1,145	1,576	1,066	764	962	653
(WY)	(1938)	(2004)	(1973)	(1996)	(1994)	(1963)	(2002)	(1996)	(1928)	(1996)	(1942)	(2003)
MIN	0.00	0.00	60.2	73.3	139	304	155	65.7	13.2	6.72	0.50	0.19
(WY)	(1931)	(1931)	(1966)	(1940)	(1941)	(1957)	(1921)	(1930)	(1991)	(1930)	(1930)	(1930)

03050000 TYGART VALLEY RIVER NEAR DAILEY, WV—Continued

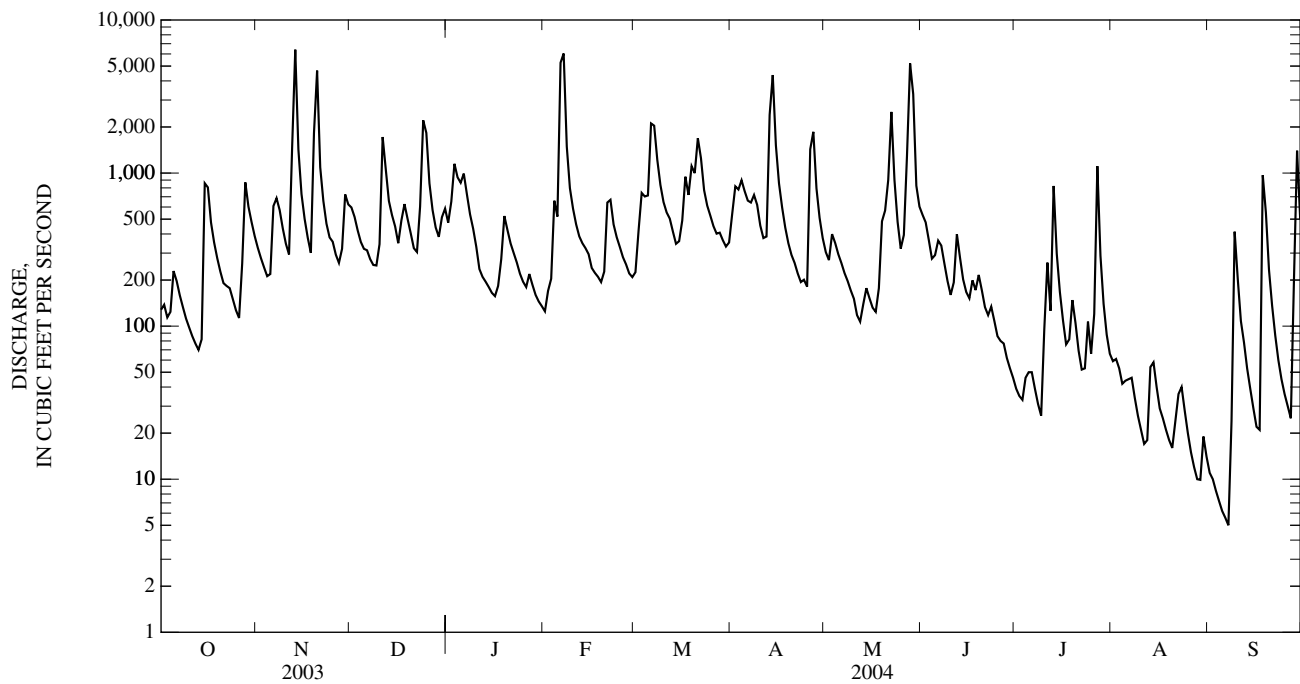
SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1915 - 2004	
ANNUAL TOTAL	214,000		175,281.3		358	
ANNUAL MEAN	586		479		611	
HIGHEST ANNUAL MEAN					182	
LOWEST ANNUAL MEAN					11,700	
HIGHEST DAILY MEAN	7,740	Feb 23	6,400	Nov 13	19,900	May 17, 1996
LOWEST DAILY MEAN	30	Aug 7	5.0	Sep 7	0.00	(a)
ANNUAL SEVEN-DAY MINIMUM	39	Aug 1	7.6	Sep 1	0.00	Sep 12, 1930
MAXIMUM PEAK FLOW			9,670	Feb 6	17.20	May 17, 1996
MAXIMUM PEAK STAGE			12.60	Feb 6	(b)17.20	Feb 4, 1932
INSTANTANEOUS LOW FLOW			4.7	(c)	0.00	(a)
ANNUAL RUNOFF (CFSM)	3.17		2.59		1.94	
ANNUAL RUNOFF (INCHES)	43.03		35.25		26.30	
10 PERCENT EXCEEDS	1,220		912		850	
50 PERCENT EXCEEDS	355		278		167	
90 PERCENT EXCEEDS	83		36		18	

a Sept. 12 to Nov. 30, 1930, Sept. 29 to Nov. 5, 1953.

b From floodmarks.

c Sept. 7, 8.

e Estimated.



03050500 TYGART VALLEY RIVER NEAR ELKINS, WV

LOCATION.--Lat 38°55'25", long 79°52'45", NAD 27, Randolph County, Hydrologic Unit 05020001, on left bank 1.4 mi upstream from Leading Creek, 1.5 mi west of Elkins, and at mile 79.5.

DRAINAGE AREA.--271 mi².

PERIOD OF RECORD.--October 1944 to current year. Prior to October 1960, published as Tygart River near Elkins.

REVISED RECORDS.--WDR WV-97-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 1,893.95 ft above mean sea level, adjustment of 1912. Prior to Nov. 16, 1944, nonrecording gage and Nov. 16, 1944, to Sept. 30, 1951, water-stage recorder at site 200 ft upstream at same datum.

REMARKS.--Records good except those above 3,000 ft³/s, which are fair, and those for periods of estimated daily discharges (ice effect), which are poor. Slight regulation at times by flood-diversion dam upstream from station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 13	2230	7,200	13.37	Apr 14	1500	5,900	12.12
Nov 20	1500	6,860	13.06	May 29	1000	7,200	13.37
Feb 7	0700	*8,860	*14.79				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	218	403	851	706	e160	287	753	433	767	56	212	57
2	239	339	742	822	201	448	1,310	382	633	37	136	46
3	206	290	604	1,520	285	916	1,270	558	511	50	119	26
4	210	253	502	1,290	779	900	1,500	545	379	59	97	25
5	299	306	458	1,220	715	1,030	1,220	444	341	79	93	26
6	296	841	445	1,550	4,740	3,130	986	374	406	106	90	20
7	240	1,050	398	1,090	8,300	3,450	966	315	408	106	73	14
8	195	828	356	764	3,440	1,850	1,080	283	316	66	63	24
9	162	599	342	625	1,200	1,250	921	236	243	52	60	414
10	141	455	452	463	840	943	686	202	196	117	51	342
11	124	378	2,090	306	688	803	554	175	362	452	44	159
12	113	1,960	1,660	e290	572	725	553	150	1,170	227	54	138
13	103	5,900	947	e265	513	604	2,580	156	594	1,290	60	89
14	121	3,670	743	e245	472	496	5,650	195	342	711	79	54
15	817	1,070	644	e235	431	462	2,900	189	265	327	78	87
16	1,100	724	494	e220	357	622	1,290	164	256	205	71	36
17	625	543	601	212	312	1,200	880	144	370	141	58	8.2
18	440	423	875	380	291	983	653	302	690	120	47	747
19	343	1,910	726	693	275	1,320	508	743	857	207	39	903
20	276	5,990	586	572	305	1,380	419	986	401	170	45	373
21	230	2,060	470	469	741	2,110	365	951	273	126	43	215
22	211	959	428	414	981	1,850	311	3,300	259	105	49	149
23	206	679	804	343	671	1,090	275	1,520	495	84	69	121
24	179	547	2,790	283	542	834	270	708	292	74	63	77
25	153	528	3,090	e250	468	709	334	459	212	103	54	61
26	138	438	1,290	234	396	610	1,690	451	191	121	41	58
27	201	382	833	291	353	538	2,830	1,430	151	1,630	33	52
28	985	561	619	e250	306	545	1,190	4,270	126	596	25	244
29	755	1,220	557	e220	278	501	749	6,030	110	290	21	1,760
30	612	936	704	e200	---	478	546	1,450	88	182	21	691
31	489	---	883	e180	---	477	---	846	---	195	32	---
TOTAL	10,427	36,242	26,984	16,602	29,612	32,541	35,239	28,391	11,704	8,084	2,020	7,016.2
MEAN	336	1,208	870	536	1,021	1,050	1,175	916	390	261	65.2	234
MAX	1,100	5,990	3,090	1,550	8,300	3,450	5,650	6,030	1,170	1,630	212	1,760
MIN	103	253	342	180	160	287	270	144	88	37	21	8.2
CFSM	1.24	4.46	3.21	1.98	3.77	3.87	4.33	3.38	1.44	0.96	0.24	0.86
IN.	1.43	4.97	3.70	2.28	4.06	4.47	4.84	3.90	1.61	1.11	0.28	0.96

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
1945	185	954	(1980)	2.82	(1954)
1946	415	2,184	(1986)	1.93	(1954)
1947	663	1,787	(1973)	75.7	(1966)
1948	764	1,504	(1952)	174	(1977)
1949	887	1,783	(1994)	145	(1978)
1950	1,033	2,579	(1963)	484	(1957)
1951	783	1,539	(2002)	264	(1955)
1952	631	2,371	(1996)	110	(1991)
1953	349	1,314	(1974)	28.8	(1965)
1954	250	1,021	(1996)	14.9	(1993)
1955	215	1,166	(1996)	6.01	(1965)
1956	146	861	(2003)	2.17	(1995)

03050500 TYGART VALLEY RIVER NEAR ELKINS, WV—Continued

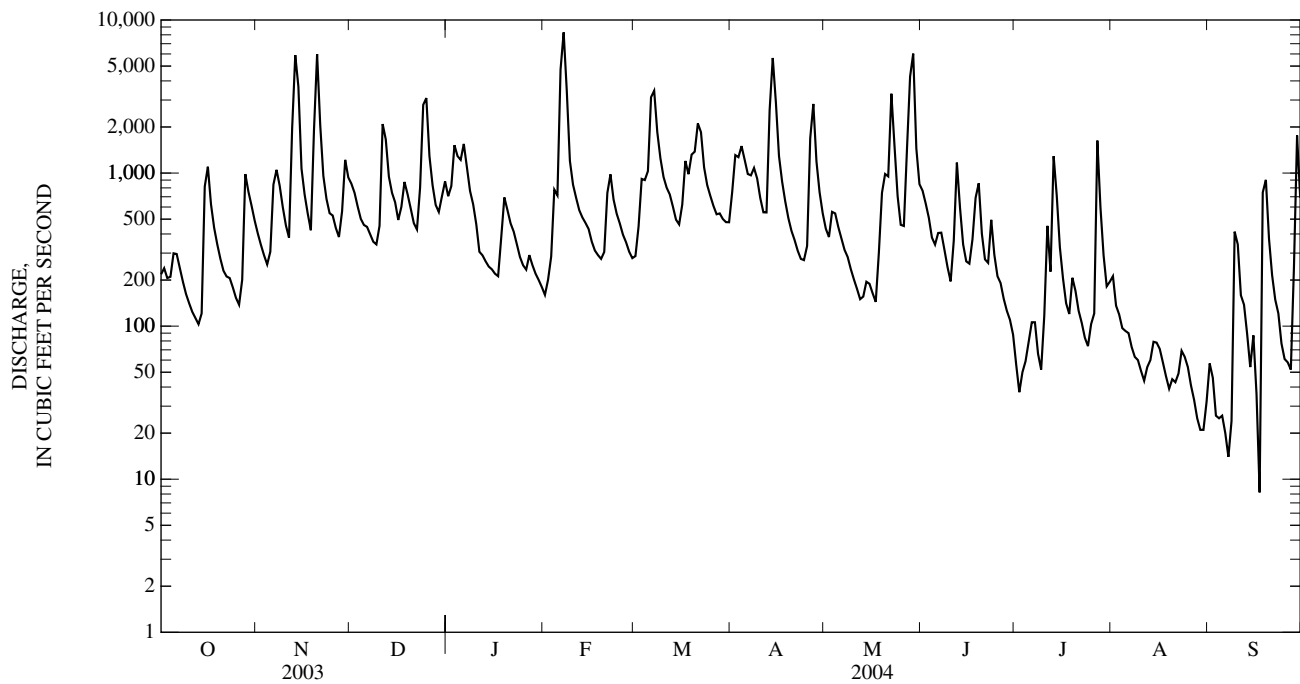
SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1945 - 2004	
ANNUAL TOTAL	286,980		244,862.2		525	
ANNUAL MEAN	786		669		870	
HIGHEST ANNUAL MEAN					312	
LOWEST ANNUAL MEAN					16,000	
HIGHEST DAILY MEAN	7,450	Feb 23	8,300	Feb 7	Nov 5, 1985	
LOWEST DAILY MEAN	44	Aug 27	8.2	Sep 17	(a)	
ANNUAL SEVEN-DAY MINIMUM	80	Aug 1	26	Sep 2	0.10	Sep 20, 1959
MAXIMUM PEAK FLOW			8,860	Feb 7	(b)23,500	Nov 5, 1985
MAXIMUM PEAK STAGE			14.79	Feb 7	(c)22.81	Nov 5, 1985
INSTANTANEOUS LOW FLOW			6.6	Sep 17	(e)0.10	(a)
ANNUAL RUNOFF (CFSM)	2.90		2.47		1.94	
ANNUAL RUNOFF (INCHES)	39.39		33.61		26.33	
10 PERCENT EXCEEDS	1,800		1,310		1,230	
50 PERCENT EXCEEDS	465		402		249	
90 PERCENT EXCEEDS	119		61		26	

a Sept. 20-29, 1959.

b From rating curve extended above 13,800 ft³/s on basis of slope-area measurement of peak flow.

c From floodmarks.

e Estimated.



03051000 TYGART VALLEY RIVER AT BELINGTON, WV

LOCATION.--Lat 39°01'45", long 79°56'10", NAD 27, Barbour County, Hydrologic Unit 05020001, on left bank opposite mouth of Mill Creek, 0.2 mi downstream from highway bridge at Belington, and at mile 62.4.

DRAINAGE AREA.--406 mi², excluding that of Mill Creek.

PERIOD OF RECORD.--June 1907 to current year. Prior to October 1960, published as Tygart River at Belington.

REVISED RECORDS.--WSP 823: Drainage area. WSP 953: 1933(M), 1941(M). WSP 1335: 1912, 1914-15, 1916(M), 1921-22(M), 1925(M), 1928, 1933, WSP 1385: 1909(M), 1913-15(M), 1917-18, 1924(M), 1928(M), 1932, 1934, 1936, 1938-39, 1948-49. WDR WV-97-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 1,679.49 ft above mean sea level, adjustment of 1912. Prior to Apr. 25, 1939, nonrecording gage at site 0.2 mi upstream at same datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 1888, reached a stage of 21.7 ft, former site, from floodmarks, discharge, 21,200 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 14	0100	8,690	12.83	Mar 6	2200	7,600	11.99
Nov 20	1900	8,990	13.06	Apr 14	0700	8,930	13.01
Feb 7	0700	*14,700	*16.92	May 29	1300	9,520	13.45

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	454	622	1,500	1,280	e280	406	1,090	639	1,270	138	753	60
2	524	512	1,280	1,360	385	495	2,510	532	1,020	95	426	79
3	448	442	1,010	2,510	552	1,190	2,540	692	777	82	281	62
4	409	381	811	2,200	1,480	1,390	3,130	782	562	102	205	44
5	507	480	748	2,210	1,390	1,860	2,360	632	477	157	220	30
6	516	1,530	735	2,930	7,380	5,430	1,760	533	502	188	196	35
7	427	1,950	665	1,980	13,900	6,030	1,620	456	513	165	162	29
8	342	1,530	585	1,310	6,230	3,270	1,750	426	429	134	126	94
9	283	1,070	552	1,050	2,130	2,240	1,490	356	331	89	114	465
10	244	770	637	775	1,440	1,670	1,080	307	271	124	99	601
11	213	610	2,810	572	1,140	1,380	833	274	662	575	85	311
12	192	3,200	2,960	e510	920	1,200	808	259	3,350	411	75	199
13	176	7,830	1,670	e450	805	971	4,000	235	1,780	1,980	147	170
14	176	5,820	1,280	439	728	776	8,540	263	702	1,690	139	105
15	917	1,780	1,160	e400	653	686	5,010	282	492	611	131	103
16	1,640	1,150	868	378	546	875	2,280	255	405	384	116	96
17	983	829	922	569	475	2,070	1,490	229	1,290	263	103	66
18	672	633	1,370	764	447	1,700	1,060	262	2,300	213	85	747
19	513	2,870	1,220	1,330	419	1,910	791	1,030	2,910	218	70	1,490
20	414	8,330	967	1,060	448	2,210	631	1,740	1,080	258	61	590
21	351	3,900	765	814	941	3,350	547	1,310	624	190	136	333
22	313	1,640	680	705	1,560	3,130	470	4,330	456	158	284	231
23	302	1,100	1,150	563	1,040	1,880	417	2,660	818	148	174	185
24	281	838	4,120	460	808	1,350	417	1,150	602	147	131	151
25	247	819	5,020	419	703	1,080	416	677	409	136	108	103
26	220	677	2,290	392	585	899	1,770	598	337	134	87	94
27	265	581	1,430	487	518	778	4,260	1,830	278	1,790	68	86
28	1,090	881	1,040	e420	460	761	2,020	6,520	229	1,110	58	114
29	1,180	2,760	897	e370	414	693	1,190	8,690	198	501	67	1,860
30	978	1,840	1,230	350	---	643	831	2,820	169	344	43	1,000
31	784	---	1,700	e310	---	660	---	1,420	---	424	52	---
TOTAL	16,061	57,375	44,072	29,367	48,777	52,983	57,111	42,189	25,243	12,959	4,802	9,533
MEAN	518	1,912	1,422	947	1,682	1,709	1,904	1,361	841	418	155	318
MAX	1,640	8,330	5,020	2,930	13,900	6,030	8,540	8,690	3,350	1,980	753	1,860
MIN	176	381	552	310	280	406	416	229	169	82	43	29
CFSM	1.28	4.71	3.50	2.33	4.14	4.21	4.69	3.35	2.07	1.03	0.38	0.78
IN.	1.47	5.26	4.04	2.69	4.47	4.85	5.23	3.87	2.31	1.19	0.44	0.87

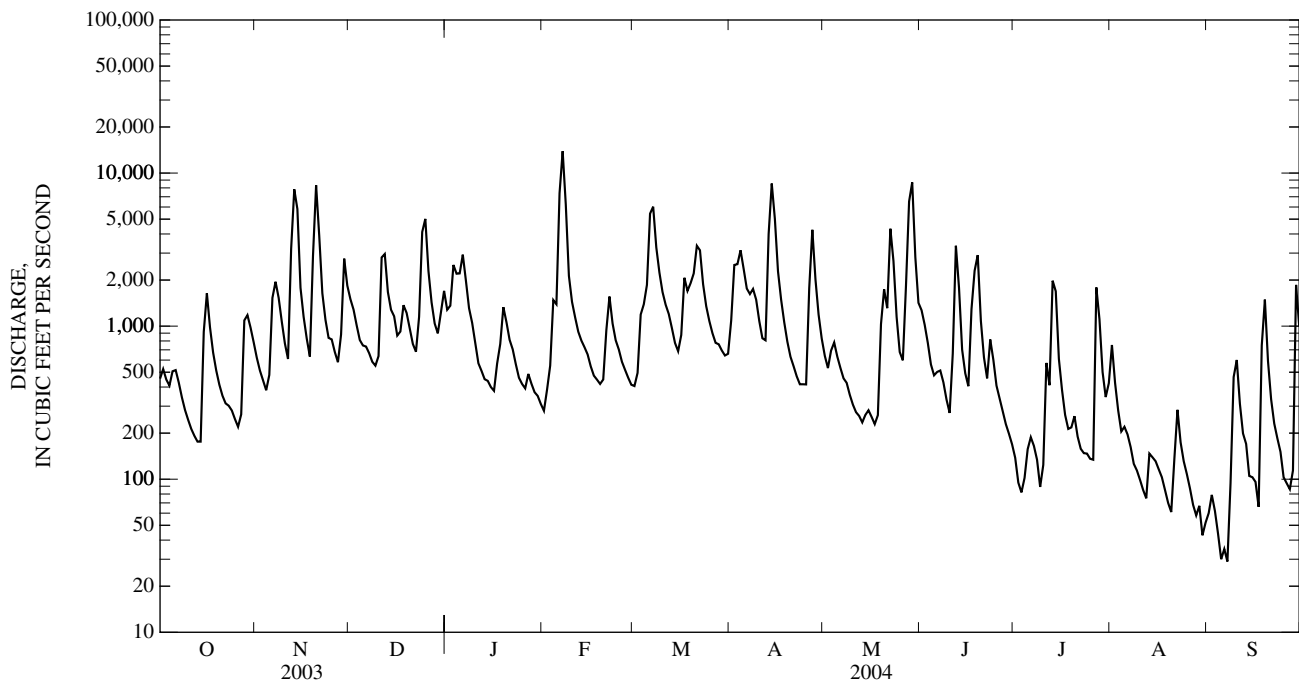
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1907 - 2004, BY WATER YEAR (WY)

MEAN	325	635	1,012	1,268	1,367	1,562	1,200	1,019	562	422	346	222
MAX	1,765	3,431	2,837	2,731	2,905	3,765	2,387	3,847	2,449	1,997	1,981	1,202
(WY)	(1912)	(1986)	(1973)	(1911)	(1994)	(1963)	(2002)	(1996)	(1910)	(1912)	(1942)	(1971)
MIN	1.26	5.74	84.2	245	255	437	383	203	51.5	18.5	2.50	0.65
(WY)	(1931)	(1954)	(1909)	(1977)	(1978)	(1910)	(1921)	(1991)	(1965)	(1999)	(1930)	(1930)

03051000 TYGART VALLEY RIVER AT BELINGTON, WV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1907 - 2004	
ANNUAL TOTAL	449,018		400,472		825	
ANNUAL MEAN	1,230		1,094		1,375	
HIGHEST ANNUAL MEAN					506	
LOWEST ANNUAL MEAN					27,400	
HIGHEST DAILY MEAN	11,400	Feb 23	13,900	Feb 7	27,400	Nov 5, 1985
LOWEST DAILY MEAN	65	Jul 27	29	Sep 7	0.10	(a)
ANNUAL SEVEN-DAY MINIMUM	115	Jul 22	48	Sep 1	0.17	Sep 13, 1930
MAXIMUM PEAK FLOW			14,700	Feb 7	(b)29,500	Nov 5, 1985
MAXIMUM PEAK STAGE			16.92	Feb 7	(c)23.65	Nov 5, 1985
INSTANTANEOUS LOW FLOW			24	Sep 5	0.10	(a)
ANNUAL RUNOFF (CFSM)	3.03		2.70		2.03	
ANNUAL RUNOFF (INCHES)	41.14		36.69		27.60	
10 PERCENT EXCEEDS	2,830		2,320		1,990	
50 PERCENT EXCEEDS	748		628		406	
90 PERCENT EXCEEDS	182		122		46	

- a Sept. 13-16, 1930.
b From rating curve extended above 18,700 ft³/s.
c From floodmarks.
e Estimated.



03052000 MIDDLE FORK RIVER AT AUDRA, WV

LOCATION.--Lat 39°02'22", long 80°04'06", NAD 27, Barbour County, Hydrologic Unit 05020001, on right bank at Audra, 600 ft upstream from highway bridge, and at mile 2.9.

DRAINAGE AREA.--148 mi².

PERIOD OF RECORD.--February 1942 to September 1979, October 1988 to current year.

REVISED RECORDS.--WDR WV-97-1: Drainage area, 1944(P), 1945(M), 1947(M), 1948(P), 1949-50(M), 1955-56(M), 1957(P), 1963(P), 1964(M), 1972(P), 1986(M), 1992(M), 1994(P).

GAGE.--Water-stage recorder with satellite telemeter. Elevation of gage is approximately 1,670 ft above NGVD 29, from topographic map.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Nov. 5, 1985, reached a stage of 15.8 ft, from floodmarks, discharge, about 17,100 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 13	0300	4,230	8.16	Apr 13	2200	4,200	8.13
Nov 19	1930	6,550	9.98	May 28	1000	6,590	10.01
Feb 6	1530	*7,160	(a)*10.41	Jul 27	0800	4,390	8.30
Mar 6	1300	4,380	8.29				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	345	344	717	577	213	172	567	344	658	68	533	51
2	423	299	595	699	239	195	998	297	540	56	369	42
3	354	254	484	984	398	305	1,190	383	420	49	259	34
4	352	217	411	836	857	414	1,600	338	318	52	194	29
5	469	303	390	1,120	615	504	1,060	301	344	101	209	26
6	405	899	408	1,410	4,180	2,970	830	272	366	166	219	23
7	335	967	373	914	3,980	2,310	749	235	307	103	153	20
8	267	812	339	652	1,610	1,400	778	240	240	67	120	56
9	211	594	322	511	882	925	670	196	185	69	94	285
10	176	453	354	381	637	699	516	166	147	82	76	257
11	149	373	966	233	504	574	421	150	343	344	62	151
12	127	1,770	941	e210	414	490	407	162	1,250	220	56	101
13	112	3,020	684	e190	363	402	1,950	180	668	1,340	90	74
14	114	1,260	650	e170	318	346	2,830	e190	428	883	97	57
15	768	760	751	e155	280	323	1,580	e170	304	496	67	48
16	734	536	595	145	220	340	955	e140	223	324	57	41
17	522	417	671	151	214	589	686	e120	452	219	57	44
18	411	337	733	348	197	540	527	103	444	178	47	932
19	328	2,400	621	676	175	687	426	325	655	141	41	626
20	264	2,870	508	513	175	679	352	549	438	111	36	352
21	217	1,190	411	377	291	1,370	308	561	299	86	59	226
22	196	737	371	370	385	1,110	260	1,690	227	68	132	157
23	188	524	499	282	e320	780	233	909	438	75	82	116
24	166	422	1,600	253	e280	609	240	555	345	262	54	87
25	141	411	1,420	202	e250	501	219	384	246	161	43	70
26	129	335	874	240	e230	418	616	435	206	107	37	59
27	212	294	623	333	214	377	963	832	179	2,110	31	52
28	483	398	494	395	192	439	679	3,940	132	982	28	60
29	454	1,180	431	355	176	389	515	2,570	105	546	29	441
30	454	865	590	320	---	363	414	1,040	84	382	85	262
31	398	---	694	232	---	367	---	737	---	396	74	---
TOTAL	9,904	25,241	19,520	14,234	18,809	21,587	23,539	18,514	10,991	10,244	3,490	4,779
MEAN	319	841	630	459	649	696	785	597	366	330	113	159
MAX	768	3,020	1,600	1,410	4,180	2,970	2,830	3,940	1,250	2,110	533	932
MIN	112	217	322	145	175	172	219	103	84	49	28	20
CFSM	2.16	5.68	4.25	3.10	4.38	4.71	5.30	4.04	2.48	2.23	0.76	1.08
IN.	2.49	6.34	4.91	3.58	4.73	5.43	5.92	4.65	2.76	2.57	0.88	1.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2004, BY WATER YEAR (WY)

MEAN	123	273	475	553	585	669	523	435	228	159	143	105
MAX	548	841	1,124	986	1,080	1,443	1,012	1,634	760	720	690	642
(WY)	(1955)	(2004)	(1973)	(1994)	(1994)	(1963)	(1973)	(1996)	(1972)	(1996)	(1942)	(1971)
MIN	0.39	2.40	47.5	96.3	134	372	222	90.3	15.4	5.39	2.60	1.40
(WY)	(1954)	(1954)	(1966)	(1977)	(1978)	(1966)	(1971)	(1991)	(1965)	(1966)	(1993)	(1946)

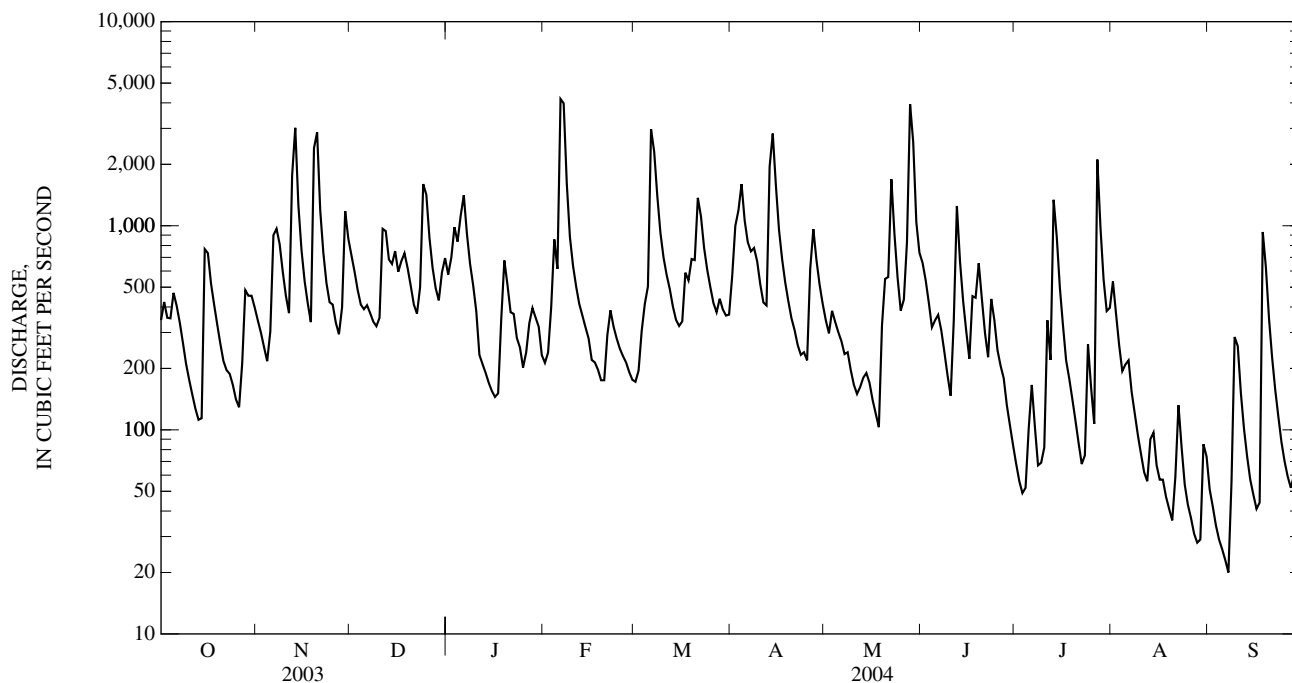
03052000 MIDDLE FORK RIVER AT AUDRA, WV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1942 - 2004	
ANNUAL TOTAL	193,862		180,852		355	
ANNUAL MEAN	531		494		554	
HIGHEST ANNUAL MEAN					203	
LOWEST ANNUAL MEAN					9,320	
HIGHEST DAILY MEAN	5,050	Feb 23	4,180	Feb 6	May 17, 1996	
LOWEST DAILY MEAN	24	Jul 27	20	Sep 7	(b)	
ANNUAL SEVEN-DAY MINIMUM	37	Jul 21	32	Sep 1	0.20	
MAXIMUM PEAK FLOW			7,160	Feb 6	16,700	
MAXIMUM PEAK STAGE			(a)10.41	Feb 6	15.60	
INSTANTANEOUS LOW FLOW			19	Sep 7	0.20	
ANNUAL RUNOFF (CFSM)	3.59		3.34		2.40	
ANNUAL RUNOFF (INCHES)	48.73		45.46		32.61	
10 PERCENT EXCEEDS	1,040		966		835	
50 PERCENT EXCEEDS	384		346		191	
90 PERCENT EXCEEDS	70		69		16	

a From float-tape indicator.

b Oct. 11-27, 1953.

c Estimated.



03052500 SAND RUN NEAR BUCKHANNON, WV

LOCATION.--Lat 38°57'50", long 80°09'10", NAD 27, Upshur County, Hydrologic Unit 05020001, on right bank 300 ft downstream from Left Fork, 4.5 mi southeast of Buckhannon, and at mile 6.4.

DRAINAGE AREA.--14.3 mi².

PERIOD OF RECORD.--October 1946 to current year.

REVISED RECORDS.--WSP 1725: 1955(M). WDR WV-97-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemeter and crest-stage gage. Elevation of gage is approximately 1,530 ft above NGVD 29, from topographic map. Prior to May 4, 1983, at datum 1.00 ft higher.

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

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 12	1330	575	5.03	Apr 13	1500	772	5.55
Nov 19	1445	*1,410	(a)*6.72	May 28	0730	718	5.42
Feb 6	1030	1,030	6.08	May 28	2200	456	4.66
Mar 6	0800	781	5.57	Jun 11	2130	628	5.18

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	24	56	39	e19	8.6	e46	24	48	4.1	71	1.7
2	34	23	46	54	e16	8.9	e130	23	37	3.3	31	1.2
3	24	17	36	55	101	8.2	156	25	28	2.6	17	0.97
4	29	15	31	52	114	26	141	19	23	6.7	15	0.82
5	30	58	31	144	76	36	85	17	45	16	24	0.86
6	25	98	36	120	537	413	59	15	44	29	16	0.62
7	19	81	32	e80	228	135	46	15	29	9.5	12	0.65
8	15	57	31	e52	96	87	39	15	20	8.2	12	14
9	12	39	30	37	63	67	31	12	15	5.5	7.0	14
10	11	30	37	29	50	55	25	10	14	28	5.2	8.5
11	11	26	134	e25	42	45	22	15	186	26	4.0	4.6
12	8.0	314	88	23	35	35	46	15	216	14	5.9	2.9
13	7.4	150	56	20	31	27	367	14	67	25	8.0	2.2
14	16	64	86	18	27	24	196	11	38	15	5.2	1.7
15	45	42	97	19	24	22	114	11	24	10	3.3	1.4
16	28	34	68	21	21	38	67	15	19	7.7	4.4	1.2
17	22	26	70	24	18	53	49	10	16	6.1	2.6	7.3
18	19	21	65	56	16	47	35	9.0	26	6.1	1.9	90
19	18	456	52	72	16	48	28	53	26	4.4	1.6	24
20	13	186	41	50	15	48	24	39	17	3.3	1.6	13
21	12	79	34	e37	15	138	22	98	12	2.4	25	8.0
22	12	49	33	e31	13	77	18	169	26	2.0	13	5.8
23	12	36	63	e27	12	51	21	64	47	4.6	6.6	4.2
24	9.7	32	165	e24	13	39	21	34	24	9.7	4.3	3.2
25	8.6	29	103	e21	12	31	26	22	16	4.1	2.9	2.7
26	9.5	24	63	32	10	26	137	33	14	3.3	2.3	2.4
27	67	25	45	52	9.9	26	100	47	10	25	1.9	2.2
28	65	54	40	70	9.2	28	55	427	7.9	20	1.6	8.2
29	48	86	33	51	8.7	20	37	191	6.7	19	1.9	9.8
30	38	64	48	40	---	20	30	69	5.4	47	2.2	5.5
31	30	---	47	e24	---	28	---	54	---	89	2.6	---
TOTAL	733.2	2,239	1,797	1,399	1,647.8	1,715.7	2,173	1,575.0	1,107.0	456.6	313.0	243.62
MEAN	23.7	74.6	58.0	45.1	56.8	55.3	72.4	50.8	36.9	14.7	10.1	8.12
MAX	67	456	165	144	537	413	367	427	216	89	71	90
MIN	7.4	15	30	18	8.7	8.2	18	9.0	5.4	2.0	1.6	0.62
CFSM	1.65	5.22	4.05	3.16	3.97	3.87	5.07	3.55	2.58	1.03	0.71	0.57
IN.	1.91	5.82	4.67	3.64	4.29	4.46	5.65	4.10	2.88	1.19	0.81	0.63

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	MIN	(WY)
1947	10.3	60.3	0.01	(1954)
1948	24.2	145	0.06	(1954)
1949	38.2	87.3	3.52	(1966)
1950	42.4	91.1	9.44	(1977)
1951	48.3	116	11.1	(1978)
1952	51.6	119	12.3	(1987)
1953	40.8	83.9	10.2	(1971)
1954	30.8	154	4.91	(1982)
1955	17.9	75.1	0.44	(1965)
1956	13.5	59.4	0.37	(1966)
1957	10.4	48.5	0.15	(1993)
1958	7.33	30.2	0.07	(1979)

03052500 SAND RUN NEAR BUCKHANNON, WV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1947 - 2004	
ANNUAL TOTAL	14,625.84		15,399.92		27.9	
ANNUAL MEAN	40.1		42.1		45.3	
HIGHEST ANNUAL MEAN					14.8	
LOWEST ANNUAL MEAN					1,320	
HIGHEST DAILY MEAN	609	Feb 23	537	Feb 6	1,320	Feb 9, 1994
LOWEST DAILY MEAN	0.80	Jul 17	0.62	Sep 6	0.00	(b)
ANNUAL SEVEN-DAY MINIMUM	1.2	Jul 21	0.97	Sep 1	0.00	Sep 22, 1953
MAXIMUM PEAK FLOW			1,410	Nov 19	(c)3,200	Nov 4, 1985
MAXIMUM PEAK STAGE			(a)6.72	Nov 19	8.34	Nov 4, 1985
INSTANTANEOUS LOW FLOW			0.50	Sep 7	0.00	(d)
ANNUAL RUNOFF (CFSM)	2.80		2.94		1.95	
ANNUAL RUNOFF (INCHES)	38.05		40.06		26.49	
10 PERCENT EXCEEDS	75		87		63	
50 PERCENT EXCEEDS	26		25		13	
90 PERCENT EXCEEDS	4.2		4.1		1.0	

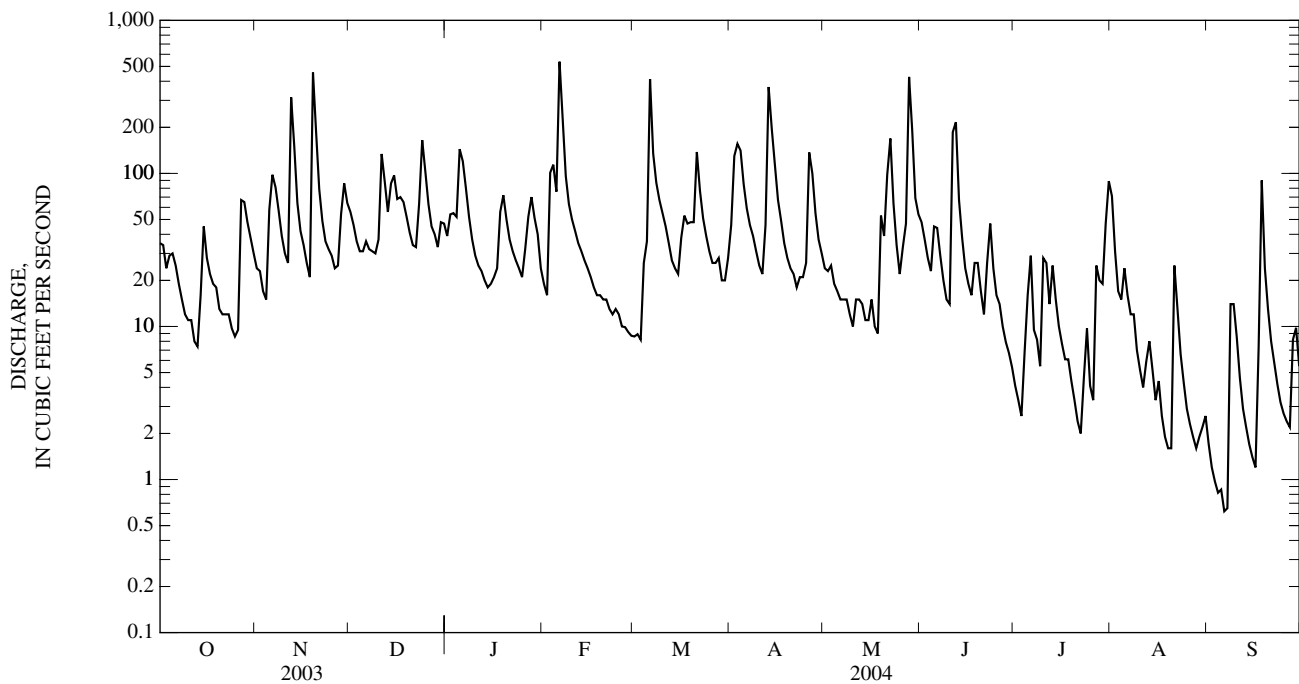
a From crest-stage gage.

b Several days in 1951-56, 1964-66, July 19, 1986, and Sept 11, 12, 1995.

c From rating curve extended above 1,560 ft³/s.

d Several days in 1951-56, 1964-66, parts of July 19, 20, 1986, and Sept 11, 12, 1995.

e Estimated.



03053500 BUCKHANNON RIVER AT HALL, WV

LOCATION.--Lat 39°03'04", long 80°06'53", NAD 27, Barbour County, Hydrologic Unit 05020001, on right bank 0.2 mi upstream from highway bridge at Hall, 1.0 mi upstream from Pecks Run, and at mile 7.9.

DRAINAGE AREA.--277 mi².

PERIOD OF RECORD.--June 1907 to May 1909 (gage heights only), April 1915 to current year. Monthly discharge only for some periods, published in WSP 1305.

REVISED RECORDS.--WSP 783: 1918(M).

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 1,369.15 ft above mean sea level (from Baltimore & Ohio RR reference mark). June 1907 to May 25, 1909, nonrecording gage at site 0.2 mi downstream at datum 4.12 ft lower. Apr. 15, 1915, to June 8, 1939, nonrecording gage at site 500 ft downstream at present datum.

REMARKS.--Records good except those for periods of estimated daily discharges (ice effect, no gage-height record), which are poor. Some regulation at low flow from mine pumpage above station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 13	1100	5,760	10.52	Mar 6	2130	5,760	10.52
Nov 20	0630	7,800	12.13	Apr 14	0430	6,250	10.92
Feb 7	0530	*8,950	*12.97	May 28	2330	7,120	11.61

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	586	595	1,360	994	e540	246	1,120	549	1,280	118	e960	129
2	717	495	1,100	1,070	758	246	2,590	462	1,070	111	e700	106
3	595	426	881	1,730	1,060	308	2,390	502	812	53	e500	79
4	554	370	734	1,590	2,230	543	2,380	522	602	81	e360	61
5	791	611	673	2,090	1,620	867	1,920	437	944	283	e380	51
6	752	1,810	824	3,050	5,020	4,140	1,410	394	1,500	457	e400	43
7	611	1,930	819	1,930	8,070	4,530	1,130	347	1,080	222	e280	37
8	477	1,560	716	1,310	3,710	2,790	1,140	342	707	147	e220	81
9	385	1,100	651	978	1,810	1,920	1,140	284	493	129	e170	320
10	326	809	630	779	1,300	1,390	869	239	363	181	e140	348
11	274	642	1,520	614	1,020	1,060	691	211	687	638	e115	249
12	236	2,230	1,910	539	825	860	680	208	2,710	505	e105	164
13	204	5,250	1,400	e480	709	708	3,130	451	1,470	864	e160	123
14	225	2,770	1,380	428	609	597	5,490	514	763	1,190	e180	99
15	1,240	1,350	2,110	397	529	554	3,150	405	507	579	e140	79
16	1,500	912	1,640	e350	450	588	1,910	351	374	362	e115	67
17	976	691	1,440	387	384	1,020	1,310	319	388	255	103	66
18	722	542	1,520	577	360	995	934	248	433	201	99	1,370
19	555	2,640	1,320	1,410	331	1,080	722	409	649	172	80	1,300
20	441	6,880	1,080	1,220	310	1,200	590	791	561	138	69	571
21	370	2,870	892	827	319	2,300	519	907	387	113	178	347
22	326	1,460	735	e620	412	2,150	445	2,690	298	93	348	251
23	308	990	917	e530	377	1,500	390	1,960	468	116	215	191
24	271	766	2,100	e460	354	1,120	411	1,030	451	356	134	150
25	232	724	2,850	e430	355	901	372	637	303	304	98	122
26	209	607	1,800	556	323	753	827	570	245	194	80	103
27	649	519	1,260	702	296	663	1,490	1,320	247	e3,100	67	90
28	1,380	611	961	1,140	274	710	1,330	4,660	201	e2,300	58	93
29	977	1,860	813	e940	255	677	892	5,360	162	e1,400	58	329
30	863	1,690	877	831	---	618	679	2,220	134	e700	186	370
31	717	---	1,150	e700	---	645	---	1,310	---	e760	161	---
TOTAL	18,469	45,710	38,063	29,659	34,610	37,679	42,051	30,649	20,289	16,122	6,859	7,389
MEAN	596	1,524	1,228	957	1,193	1,215	1,402	989	676	520	221	246
MAX	1,500	6,880	2,850	3,050	8,070	4,530	5,490	5,360	2,710	3,100	960	1,370
MIN	204	370	630	350	255	246	372	208	134	53	58	37
CFSM	2.15	5.50	4.43	3.45	4.31	4.39	5.06	3.57	2.44	1.88	0.80	0.89
IN.	2.48	6.14	5.11	3.98	4.65	5.06	5.65	4.12	2.72	2.17	0.92	0.99

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2004, BY WATER YEAR (WY)

MEAN	256	506	813	921	1,012	1,114	830	671	396	292	263	178
MAX	1,272	2,399	1,942	1,862	1,993	2,474	1,736	2,357	1,435	1,302	976	914
(WY)	(1938)	(1986)	(1973)	(1937)	(1994)	(1917)	(1973)	(1996)	(1950)	(1958)	(1956)	(2003)
MIN	0.29	1.03	67.1	169	217	474	299	117	30.6	15.9	3.56	0.55
(WY)	(1931)	(1931)	(1931)	(1977)	(1978)	(1987)	(1971)	(1964)	(1965)	(1966)	(1930)	(1930)

03053500 BUCKHANNON RIVER AT HALL, WV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1915 - 2004	
ANNUAL TOTAL	332,994		327,549		603	
ANNUAL MEAN	912		895		915	
HIGHEST ANNUAL MEAN					354	
LOWEST ANNUAL MEAN					14,500	
HIGHEST DAILY MEAN	8,650	Feb 23	8,070	Feb 7	15,000	Nov 5, 1985
LOWEST DAILY MEAN	76	(a)	37	Sep 7	0.20	(b)
ANNUAL SEVEN-DAY MINIMUM	93	Jul 2	65	Sep 2	0.21	Oct 21, 1930
MAXIMUM PEAK FLOW			8,950	Feb 7	(c)15,000	Nov 5, 1985
MAXIMUM PEAK STAGE			12.97	Feb 7	(d)16.88	Nov 5, 1985
INSTANTANEOUS LOW FLOW			32	Jul 3	0.20	(b)
ANNUAL RUNOFF (CFSM)	3.29		3.23		2.18	
ANNUAL RUNOFF (INCHES)	44.72		43.99		29.59	
10 PERCENT EXCEEDS	1,750		1,920		1,410	
50 PERCENT EXCEEDS	688		608		318	
90 PERCENT EXCEEDS	181		129		36	

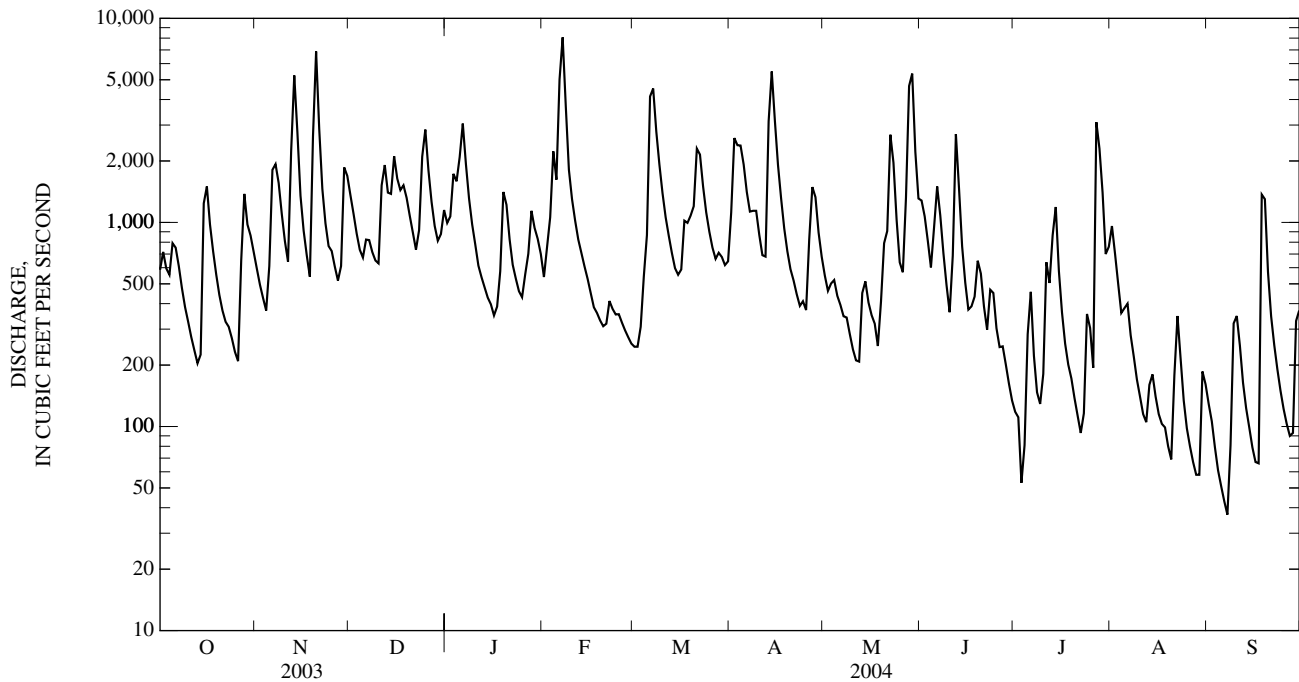
a July 7, 27.

b Oct. 21-23, 25-27, 29, 1930.

c From rating curve extended above 13,000 ft³/s on basis of slope-area measurement.

d From floodmarks.

e Estimated.



03054500 TYGART VALLEY RIVER AT PHILIPPI, WV

LOCATION.--Lat 39°09'01", long 80°02'20", NAD 27, Barbour County, Hydrologic Unit 05020001, on right bank at Philippi 0.2 mi downstream from Anglins Run, 5.0 mi downstream from Buckhannon River, and at mile 45.5.

DRAINAGE AREA.--914 mi².

PERIOD OF RECORD.--April 1940 to current year. Prior to October 1960, published as Tygart River at Philippi.

REVISED RECORDS.--WDR WV-97-1: Drainage area, 1942(M), 1943-45(P), 1947(P), 1948(M), 1955(M), 1956(P), 1957(M), 1964-65(P), 1969(M), 1986(P), 1989(M), 1990(P), 1992(P), 1993(M), 1994(P).

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 1,280.55 ft above NGVD 29. Prior to May 23, 1940, nonrecording gage at same site and datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 25, 1912, reached a stage of 27.3 ft, read on National Weather Service gage 0.2 mi downstream, or about 26 ft, present site and datum, discharge, about 37,000 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 13	0800	19,500	15.32	Mar 6	2100	19,900	15.54
Nov 20	0100	23,200	17.32	Apr 14	0500	21,000	16.19
Dec 25	0100	13,300	11.76	May 29	0300	21,800	16.64
Feb 7	0200	*33,000	*21.40				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,610	1,890	3,810	3,140	e1,100	812	2,640	1,580	3,360	313	2,830	247
2	1,980	1,600	3,260	3,070	1,170	861	7,090	1,340	2,810	272	1,770	206
3	1,690	1,380	2,710	5,280	2,100	1,540	7,030	1,460	2,170	214	1,090	198
4	1,510	1,210	2,270	4,970	6,720	2,340	8,230	1,640	1,580	176	787	156
5	1,980	1,530	2,070	5,690	4,300	3,370	6,160	1,400	1,670	375	738	129
6	1,980	4,730	2,200	9,070	17,800	14,400	4,110	1,230	2,310	738	784	109
7	1,630	5,620	2,150	5,590	30,100	16,300	3,460	1,060	1,980	522	621	108
8	1,320	4,480	1,910	3,550	15,500	9,460	3,520	1,020	1,440	354	469	180
9	1,060	3,210	1,770	2,830	5,680	5,910	3,310	862	1,060	287	374	839
10	893	2,430	1,800	2,240	3,580	3,970	2,560	712	804	379	316	1,340
11	758	1,940	5,320	1,650	2,830	3,110	1,990	637	1,410	1,260	266	817
12	661	8,050	7,080	e1,400	2,290	2,640	1,860	618	9,000	1,280	237	485
13	585	18,800	4,160	e1,250	1,950	2,170	9,720	756	4,960	3,580	270	378
14	584	13,100	3,480	e1,150	1,700	1,760	19,900	925	2,150	4,510	372	298
15	2,610	4,680	4,410	e1,050	1,520	1,580	12,800	799	1,420	1,850	315	214
16	4,270	3,060	3,470	e940	1,300	1,660	6,320	728	1,030	1,130	293	222
17	2,930	2,350	3,200	869	1,120	3,450	3,790	653	1,800	743	252	201
18	2,170	1,850	3,740	1,530	1,040	3,350	2,670	565	4,010	555	224	2,540
19	1,680	8,640	3,410	3,500	948	3,450	2,030	1,560	4,940	462	194	3,840
20	1,370	21,400	2,840	2,980	925	4,130	1,620	3,270	2,440	468	170	1,700
21	1,160	11,300	2,330	2,110	1,270	7,470	1,410	2,790	1,440	379	240	981
22	1,010	4,440	2,010	1,890	2,350	7,670	1,220	10,100	1,020	307	732	653
23	953	3,020	2,560	1,570	1,820	4,450	1,070	7,050	1,470	314	520	483
24	886	2,380	8,150	1,330	1,490	3,170	1,070	3,000	1,490	734	341	386
25	766	2,240	11,700	1,170	1,370	2,570	998	1,810	982	632	257	309
26	684	1,910	5,900	1,220	1,210	2,140	2,580	1,490	773	441	212	249
27	1,280	1,650	3,630	1,590	1,070	1,840	8,390	3,560	680	5,660	180	227
28	3,170	1,770	2,810	2,150	956	1,870	4,450	16,100	546	5,060	156	236
29	3,130	6,170	2,410	1,980	855	1,760	2,730	19,800	444	2,290	156	1,910
30	2,710	4,960	2,710	1,710	---	1,600	2,000	8,320	374	1,440	223	1,870
31	2,290	---	3,680	1,340	---	1,620	---	3,680	---	1,850	275	---
TOTAL	51,310	151,790	112,950	79,809	116,064	122,423	136,728	100,515	61,563	38,575	15,664	21,511
MEAN	1,655	5,060	3,644	2,574	4,002	3,949	4,558	3,242	2,052	1,244	505	717
MAX	4,270	21,400	11,700	9,070	30,100	16,300	19,900	19,800	9,000	5,660	2,830	3,840
MIN	584	1,210	1,770	869	855	812	998	565	374	176	156	108
CFSM	1.81	5.54	3.99	2.82	4.38	4.32	4.99	3.55	2.25	1.36	0.55	0.78
IN.	2.09	6.18	4.60	3.25	4.72	4.98	5.56	4.09	2.51	1.57	0.64	0.88

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2004, BY WATER YEAR (WY)

MEAN	707	1,615	2,545	2,832	3,206	3,588	2,827	2,249	1,288	927	820	563
MAX	3,391	7,341	6,172	5,864	6,460	8,024	5,378	8,818	4,224	3,753	3,779	3,197
(WY)	(1980)	(1986)	(1973)	(1994)	(1994)	(1963)	(2002)	(1996)	(1981)	(1958)	(1942)	(2003)
MIN	5.88	11.4	273	563	587	1,531	1,090	483	114	60.3	30.9	16.4
(WY)	(1954)	(1954)	(1966)	(1977)	(1978)	(1987)	(1971)	(1991)	(1965)	(1999)	(1993)	(1946)

03054500 TYGART VALLEY RIVER AT PHILIPPI, WV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1940 - 2004	
ANNUAL TOTAL	1,107,967		1,008,902		1,921	
ANNUAL MEAN	3,036		2,757		3,136	
HIGHEST ANNUAL MEAN					1,105	
LOWEST ANNUAL MEAN					50,900	
HIGHEST DAILY MEAN	28,900	Feb 23	30,100	Feb 7	Nov 5, 1985	
LOWEST DAILY MEAN	181	Jul 27	108	Sep 7	(a)	
ANNUAL SEVEN-DAY MINIMUM	272	Jul 22	155	Sep 2	Oct 9, 1953	
MAXIMUM PEAK FLOW			33,000	Feb 7	(b)61,000	Nov 5, 1985
MAXIMUM PEAK STAGE			21.40	Feb 7	(c)31.83	Nov 5, 1985
INSTANTANEOUS LOW FLOW			102	Sep 7	4.9	(d)
ANNUAL RUNOFF (CFSM)	3.32		3.02		2.10	
ANNUAL RUNOFF (INCHES)	45.09		41.06		28.56	
10 PERCENT EXCEEDS	6,230		5,900		4,530	
50 PERCENT EXCEEDS	2,070		1,700		1,040	
90 PERCENT EXCEEDS	472		308		115	

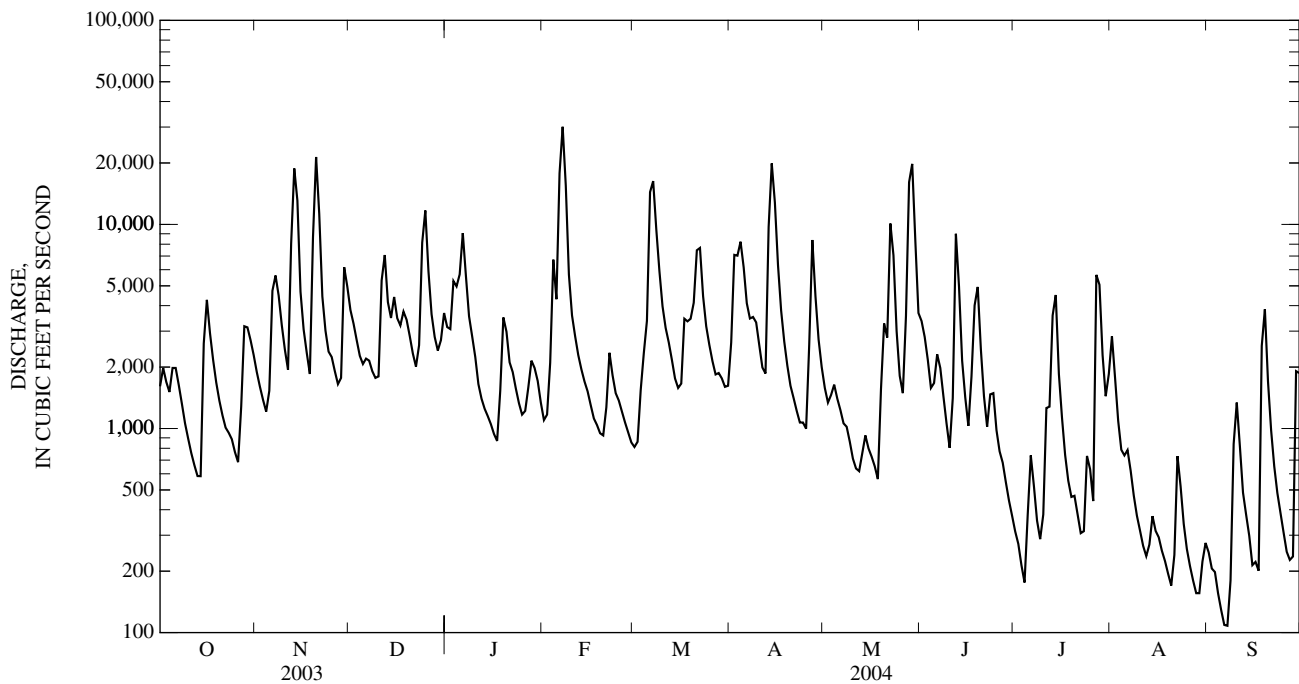
a Oct. 10, 11, 1953.

b From rating curve extended above 41,000 ft³/s on basis of slope-area measurement of peak flow.

c From floodmarks.

d Oct. 10-12, 21, 1953.

e Estimated.



03056250 THREE FORK CREEK NEAR GRAFTON, WV

LOCATION.--Lat 39°20'11", long 79°59'37", NAD 27, Taylor County, Hydrologic Unit 05020001, on right bank 20 ft downstream from bridge on State Secondary Route 50/9, 1.4 mi east of Grafton, and at mile 1.8.

DRAINAGE AREA.--96.8 mi².

PERIOD OF RECORD.--October 1984 to current year.

REVISED RECORDS.--WDR WV-97-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemeter. Elevation of gage is approximately 1,000 ft above NGVD 29, from topographic map.

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 2,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 12	1000	5,020	12.90	Mar 6	0730	3,760	11.29
Nov 19	1630	*7,540	(a)*15.72	Apr 13	1700	5,150	13.06
Feb 6	1230	4,790	12.62				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	208	147	289	264	e87	109	317	136	150	28	227	23
2	198	125	241	335	e82	119	946	122	110	24	101	20
3	148	110	195	388	491	123	763	128	89	22	61	18
4	172	96	166	840	730	234	597	103	71	21	46	16
5	231	393	156	1,550	394	301	422	90	122	22	54	15
6	176	915	145	906	3,080	2,280	323	81	135	21	43	14
7	134	503	125	473	2,180	1,010	264	71	99	19	32	23
8	106	339	114	333	717	718	212	71	71	18	26	269
9	84	241	109	261	450	489	177	61	56	17	23	537
10	71	184	127	180	353	372	141	54	48	16	20	281
11	61	159	1,020	133	319	295	124	57	281	17	19	133
12	55	2,570	642	e125	273	238	165	54	979	20	20	84
13	50	1,040	369	e115	255	181	2,330	46	512	28	30	60
14	52	484	302	e110	222	152	1,370	42	289	27	26	46
15	175	316	246	e100	186	145	607	42	181	19	20	39
16	118	232	195	e86	142	206	385	84	135	16	18	33
17	96	180	243	e80	131	398	282	59	181	14	17	59
18	106	145	260	e150	118	301	214	86	838	14	15	826
19	97	3,250	236	e180	112	322	170	1,080	398	102	32	304
20	86	1,640	204	e140	130	291	145	464	231	45	62	152
21	78	595	169	e130	269	680	127	309	147	30	746	100
22	74	368	161	e115	238	490	115	820	122	21	410	72
23	67	265	291	110	182	337	113	384	102	20	153	54
24	59	217	1,140	104	185	256	111	215	74	28	88	45
25	52	185	736	89	204	200	101	142	58	21	60	38
26	50	148	421	101	173	161	615	142	55	17	45	34
27	173	129	295	110	149	152	497	124	46	200	36	31
28	310	189	236	145	127	140	295	241	38	187	32	36
29	249	391	203	115	114	122	209	184	37	73	29	60
30	232	308	311	103	---	119	161	124	33	52	36	43
31	182	---	329	e94	---	136	---	126	---	152	29	---
TOTAL	3,950	15,864	9,676	7,965	12,093	11,077	12,298	5,742	5,688	1,311	2,556	3,465
MEAN	127	529	312	257	417	357	410	185	190	42.3	82.5	116
MAX	310	3,250	1,140	1,550	3,080	2,280	2,330	1,080	979	200	746	826
MIN	50	96	109	80	82	109	101	42	33	14	15	14
CFSM	1.32	5.46	3.22	2.65	4.31	3.69	4.23	1.91	1.96	0.44	0.85	1.19
IN.	1.52	6.10	3.72	3.06	4.65	4.26	4.73	2.21	2.19	0.50	0.98	1.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

	MEAN	54.8	192	234	272	327	335	253	202	129	91.8	47.4	49.2
MAX	237	654	578	549	643	598	410	598	500	235	171	217	
(WY)	(1997)	(1986)	(1991)	(1996)	(1986)	(1994)	(2004)	(1996)	(1998)	(2000)	(1994)	(2003)	
MIN	4.49	12.4	31.7	63.3	121	80.2	84.5	44.0	7.07	3.85	1.56	0.90	
(WY)	(1992)	(1999)	(1999)	(2000)	(2002)	(1987)	(1995)	(1999)	(1991)	(1991)	(1999)	(1999)	

03056250 THREE FORK CREEK NEAR GRAFTON, WV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	99,284		91,685		182	
ANNUAL MEAN	272		251		272	
HIGHEST ANNUAL MEAN					112	
LOWEST ANNUAL MEAN					5,200	
HIGHEST DAILY MEAN	3,250	Nov 19	3,250	Nov 19	112	1996
LOWEST DAILY MEAN	14	(b)	14	(c)	0.49	1988
ANNUAL SEVEN-DAY MINIMUM	17	Aug 20	18	Jul 6	0.55	Aug 13, 1988
MAXIMUM PEAK FLOW			7,540	Nov 19	(f)12,000	Nov 5, 1985
MAXIMUM PEAK STAGE			(a)15.72	Nov 19	(g)20.13	Nov 5, 1985
INSTANTANEOUS LOW FLOW			13	(h)	0.44	Aug 18, 1988
ANNUAL RUNOFF (CFSM)	2.81		2.59		1.88	
ANNUAL RUNOFF (INCHES)	38.15		35.23		25.49	
10 PERCENT EXCEEDS	599		506		423	
50 PERCENT EXCEEDS	150		138		89	
90 PERCENT EXCEEDS	46		27		8.1	

a From float-tape indicator.

b Aug. 25, 26.

c July 17, 18, Sept. 6.

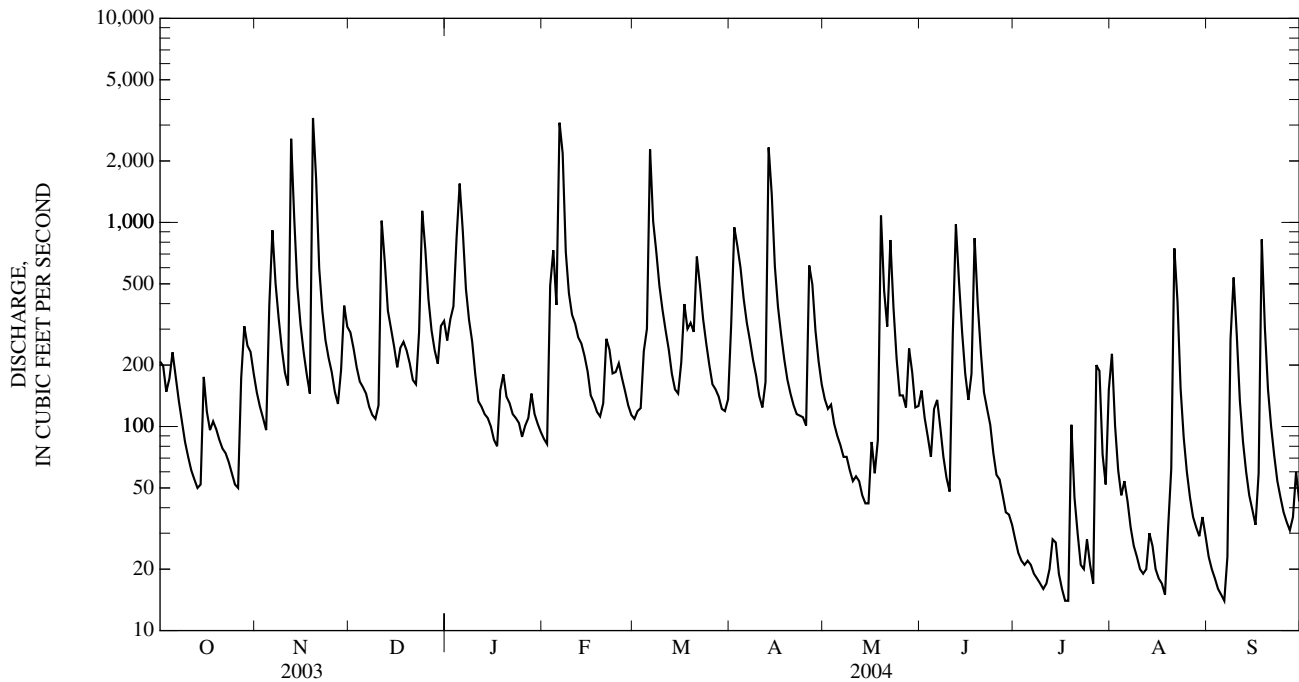
d Aug. 16, 18, 1988.

e Estimated.

f From rating curve extended above 10,000 ft³/s on basis of slope-area measurement of peak flow.

g From floodmarks.

h July 18, Sept. 7.



03058975 WEST FORK RIVER NEAR MOUNT CLARE, WV

LOCATION.--Lat 39°14'19", long 80°21'33", NAD 27, Harrison County, Hydrologic Unit 05020002, on right bank 4 miles south of Clarksburg and 2 mi north of Mount Clare, 0.3 mi off County Route 25 on County Route 34, and at mile 38.2.

DRAINAGE AREA.--368 mi².

PERIOD OF RECORD.--April 1987 to current year.

REVISED RECORDS.--WDR WV-97-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 931.04 ft above NGVD 29.

REMARKS.--Records fair except those for period of estimated daily discharges (doubtful gage heights), which are poor. Flow partially regulated since 1973 by Stonewall Reservoir. Flow regulated since January 1990 by Stonewall Jackson Lake.

PEAK DISCHARGE FOR CURRENT YEAR.--Maximum discharge, 10,900 ft³/s, Nov. 20, gage height, 18.25 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	586	532	1,160	778	527	152	839	648	1,270	137	334	104
2	706	483	1,040	825	478	155	2,630	468	1,180	117	348	96
3	543	450	950	1,070	1,520	156	1,960	435	1,080	109	225	93
4	496	423	895	990	3,140	730	1,570	307	1,000	109	165	94
5	611	622	900	2,010	1,560	1,310	1,300	212	1,160	124	159	91
6	527	2,340	1,250	2,520	6,050	5,950	1,120	183	1,370	159	138	87
7	458	1,500	1,260	1,330	6,500	3,230	938	162	1,260	149	115	94
8	406	1,130	1,120	1,230	2,420	2,140	810	181	1,070	128	105	1,190
9	371	925	1,020	1,150	1,830	2,240	754	169	765	117	102	2,500
10	352	823	979	1,050	1,890	1,930	684	136	538	159	105	797
11	338	769	1,920	725	1,810	1,190	509	115	772	338	103	361
12	326	3,870	1,890	701	1,660	1,000	434	115	2,220	464	107	224
13	316	4,710	1,210	684	1,600	791	3,780	118	1,310	829	138	177
14	329	2,070	1,150	533	1,490	573	5,960	126	1,070	505	142	151
15	902	1,540	2,260	434	1,170	437	2,530	139	800	235	117	137
16	777	1,280	1,770	371	1,090	411	1,820	188	618	174	105	127
17	633	1,140	1,500	325	847	752	1,680	159	530	150	104	270
18	589	1,050	1,510	630	518	612	1,500	142	1,130	139	100	3,880
19	546	5,040	1,290	1,380	453	640	1,350	619	836	135	104	1,070
20	520	7,800	1,160	950	363	627	1,270	831	521	130	110	654
21	499	1,970	1,060	763	369	1,720	1,060	671	391	126	269	594
22	490	1,790	1,000	695	367	1,410	978	2,960	353	130	531	524
23	487	1,610	e1,160	588	321	893	700	1,510	341	136	221	488
24	382	1,440	e1,500	510	320	671	495	956	341	202	141	470
25	341	1,400	2,000	423	334	530	419	817	302	212	141	451
26	338	1,270	1,400	471	262	431	686	594	282	171	118	435
27	391	1,020	1,130	532	228	375	1,070	998	282	436	102	453
28	936	1,090	1,020	784	216	364	968	3,620	261	966	101	300
29	721	1,750	817	654	172	308	896	3,410	220	484	114	312
30	795	1,300	841	622	---	293	836	1,620	167	245	180	242
31	635	---	856	568	---	330	---	1,290	---	193	120	---
TOTAL	16,347	53,137	39,018	26,296	39,505	32,351	41,546	23,899	23,440	7,708	4,964	16,466
MEAN	527	1,771	1,259	848	1,362	1,044	1,385	771	781	249	160	549
MAX	936	7,800	2,260	2,520	6,500	5,950	5,960	3,620	2,220	966	531	3,880
MIN	316	423	817	325	172	152	419	115	167	109	100	87

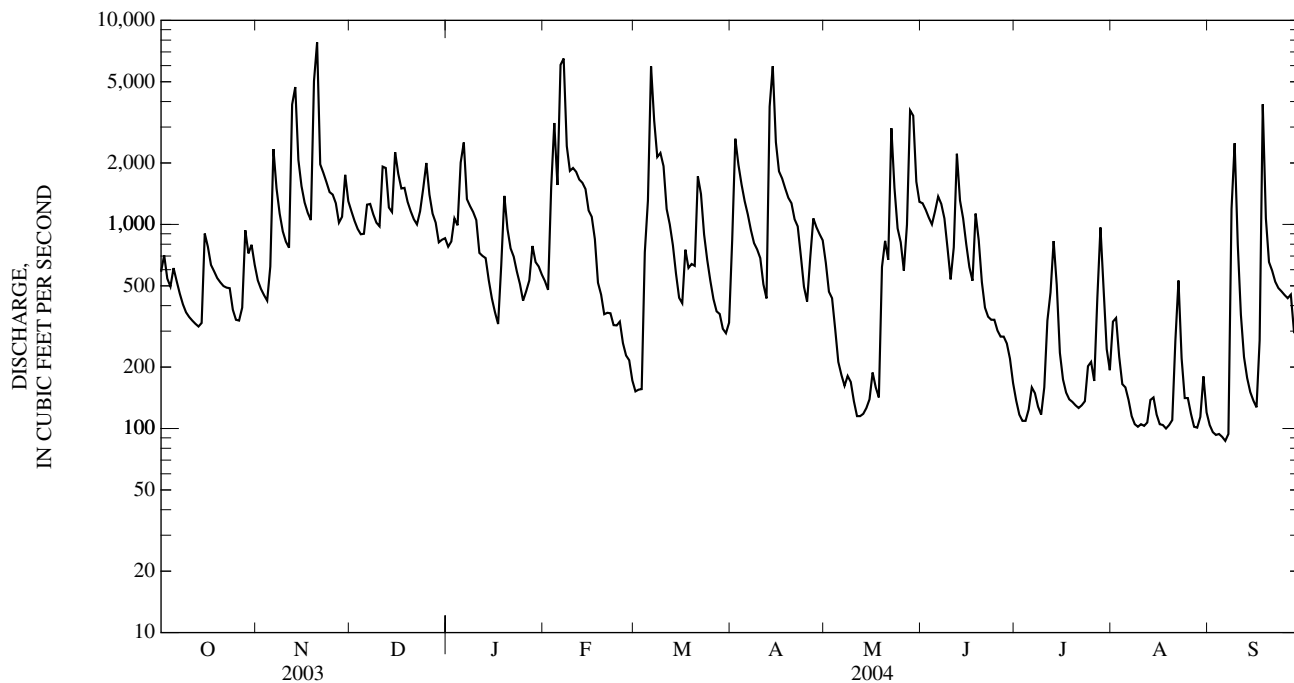
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2004, BY WATER YEAR (WY)

MEAN	218	433	646	853	1,064	1,125	735	716	481	264	257	234
MAX	758	1,771	1,442	1,814	2,172	1,987	1,385	2,359	1,319	477	623	578
(WY)	(1990)	(2004)	(1991)	(1994)	(1994)	(1994)	(2004)	(1996)	(2003)	(1996)	(1994)	(2003)
MIN	48.2	91.5	135	120	282	417	222	124	90.3	32.8	46.5	59.5
(WY)	(1989)	(1995)	(1999)	(2000)	(2002)	(1990)	(1999)	(1987)	(1999)	(1988)	(1988)	(1988)

03058975 WEST FORK RIVER NEAR MOUNT CLARE, WV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1987 - 2004	
ANNUAL TOTAL	332,125		324,677		591	
ANNUAL MEAN	910		887		887	
HIGHEST ANNUAL MEAN					338	
LOWEST ANNUAL MEAN					9,780	
HIGHEST DAILY MEAN	8,990	Feb 23	7,800	Nov 20	9,780	Feb 9, 1994
LOWEST DAILY MEAN	125	Jul 6	87	Sep 6	7.4	Oct 2, 1988
ANNUAL SEVEN-DAY MINIMUM	178	Mar 23	94	Sep 1	12	Aug 9, 1987
MAXIMUM PEAK FLOW			10,900	Nov 20	11,600	Feb 9, 1994
MAXIMUM PEAK STAGE			18.25	Nov 20	19.08	Feb 9, 1994
INSTANTANEOUS LOW FLOW			85	Sep 6	6.6	Oct 2, 1988
10 PERCENT EXCEEDS	1,760		1,810		1,360	
50 PERCENT EXCEEDS	633		612		299	
90 PERCENT EXCEEDS	201		129		98	

e Estimated.



03061000 WEST FORK RIVER AT ENTERPRISE, WV

LOCATION.--Lat 39°25'20", long 80°16'34", NAD 27, Harrison County, Hydrologic Unit 05020002, on left bank 150 ft downstream from old highway bridge and 0.3 mi above new highway bridge at Enterprise, 0.8 mi upstream from Binghamon Creek, and at mile 12.1.

DRAINAGE AREA.--759 mi².

PERIOD OF RECORD.--June 1907 to September 1916, October 1916 to September 1918 (gage heights only), October 1932 to September 1983, October 1983 to September 1984 (gage heights, discharge measurements, and annual maximum discharge only), October 1984 to current year.

REVISED RECORDS.--WSP 803: 1936. WSP 823: Drainage area. WSP 1113: 1936-38(M), 1939. WSP 1335: 1911-15, 1937. WSP 1625: 1915(M), 1935(M). WDR WV-97-1: 1888(M).

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 869.45 ft above mean sea level, adjustment of 1912. June 1907 to Sept. 30, 1918, nonrecording gage at site 150 ft upstream at same datum.

REMARKS.--Records fair except those for periods of estimated daily discharges (ice effect), which are poor. Flow partially regulated since 1973 by Stonecoal Reservoir. Flow regulated since January 1990 by Stonewall Jackson Lake.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1888 reached a stage of about 33 ft, estimated discharge, 48,000 ft³/s, present site and datum.

PEAK DISCHARGE FOR CURRENT YEAR.--Maximum discharge, 28,100 ft³/s, Nov. 19, gage height, 23.81 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	962	889	2,200	1,490	e900	453	1,990	1,060	2,170	230	1,110	225
2	1,240	758	1,890	1,720	e840	453	6,340	852	1,830	193	830	193
3	930	680	1,620	2,310	3,560	454	3,980	808	1,570	180	497	175
4	784	630	1,460	3,420	6,340	985	3,010	679	1,380	170	520	164
5	939	1,050	1,430	6,110	3,280	2,790	2,440	503	1,600	167	443	158
6	841	4,820	1,900	5,920	15,100	13,700	1,970	443	2,140	498	421	147
7	694	3,010	2,040	2,970	16,500	9,080	1,660	407	1,810	353	313	127
8	598	2,160	1,780	2,340	5,550	4,320	1,380	588	1,440	232	254	2,180
9	537	1,560	1,610	2,100	3,370	3,810	1,280	432	1,070	190	223	7,100
10	500	1,260	1,610	1,800	3,130	3,110	1,130	333	788	231	204	2,240
11	471	1,140	5,600	1,360	2,970	2,230	956	285	1,660	828	208	949
12	450	12,000	4,070	1,290	2,640	1,760	961	279	5,400	848	198	562
13	430	11,000	2,510	1,230	2,460	1,440	9,320	279	3,090	2,880	225	406
14	458	3,780	2,160	1,090	2,280	1,130	14,700	263	1,880	1,240	246	329
15	1,440	2,430	4,050	936	1,940	992	5,190	296	1,370	539	245	285
16	1,350	1,930	3,020	794	1,680	1,090	3,320	514	985	362	213	265
17	939	1,660	3,090	672	1,430	2,010	2,800	397	851	288	188	833
18	823	1,460	3,090	1,250	1,080	1,570	2,460	307	3,400	258	175	12,100
19	740	12,500	2,500	2,830	862	1,530	2,170	4,090	2,850	235	186	3,350
20	672	20,700	2,110	1,820	809	1,470	1,990	2,700	1,270	211	399	1,280
21	623	4,640	1,800	1,290	805	3,220	1,760	2,720	831	193	3,600	972
22	604	2,980	1,720	e1,150	816	2,940	1,540	9,450	683	180	1,930	793
23	602	2,530	2,100	1,060	710	1,850	1,330	3,880	636	207	717	688
24	550	2,240	3,470	e960	701	1,430	1,050	1,830	597	429	419	622
25	455	2,220	4,360	871	744	1,170	832	1,310	498	412	328	580
26	439	1,990	2,810	959	655	984	1,330	1,000	497	347	283	551
27	710	1,640	2,210	1,020	584	928	2,270	1,410	478	2,420	227	532
28	1,910	1,780	1,890	1,510	555	906	1,630	7,920	413	2,860	206	540
29	1,370	3,550	1,590	1,210	514	781	1,400	7,570	377	1,020	193	569
30	1,420	2,620	1,630	1,060	---	723	1,250	3,320	289	511	345	476
31	1,120	---	1,710	e980	---	852	---	2,240	---	430	299	---
TOTAL	25,601	111,607	75,030	55,522	82,805	70,161	83,439	58,165	43,853	19,142	15,645	39,391
MEAN	826	3,720	2,420	1,791	2,855	2,263	2,781	1,876	1,462	617	505	1,313
MAX	1,910	20,700	5,600	6,110	16,500	13,700	14,700	9,450	5,400	2,880	3,600	12,100
MIN	430	630	1,430	672	514	453	832	263	289	167	175	127

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2004, BY WATER YEAR (WY)

MEAN	469	1,054	1,529	1,762	2,096	2,187	1,602	1,424	947	537	476	397
MAX	1,762	5,040	4,494	4,085	4,455	4,453	3,181	4,999	3,796	1,499	1,773	1,313
(WY)	(1977)	(1986)	(1979)	(1994)	(1994)	(1994)	(1973)	(1996)	(1981)	(1996)	(1980)	(2004)
MIN	63.9	157	209	273	480	497	488	250	170	75.5	69.5	77.0
(WY)	(1989)	(1999)	(1999)	(2000)	(1978)	(1987)	(1995)	(1982)	(1977)	(1988)	(1988)	(1983)

03061000 WEST FORK RIVER AT ENTERPRISE, WV—Continued

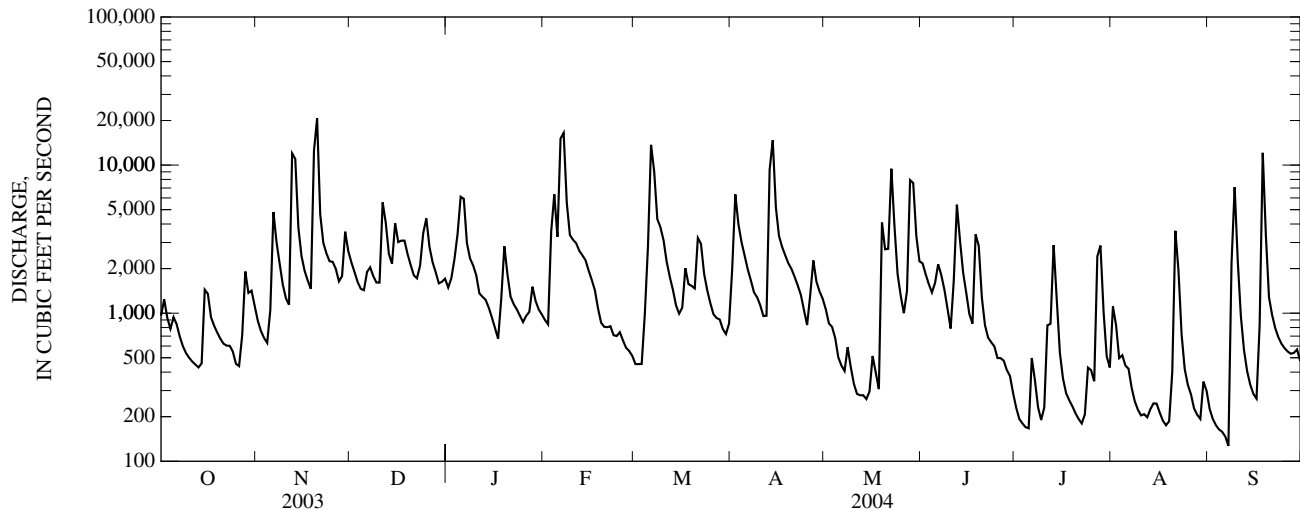
SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1973 - 2004	
ANNUAL TOTAL	653,178		680,361		1,202	
ANNUAL MEAN	1,790		1,859		1,859	
HIGHEST ANNUAL MEAN					583	
LOWEST ANNUAL MEAN					37,900	
HIGHEST DAILY MEAN	20,700	(a)	20,700	Nov 20	37,900	Nov 5, 1985
LOWEST DAILY MEAN	264	Jul 6	127	Sep 7	14	Oct 18, 1988
ANNUAL SEVEN-DAY MINIMUM	307	Sep 12	170	Sep 1	20	Oct 12, 1988
MAXIMUM PEAK FLOW			28,100	Nov 19	(b)41,100	Nov 5, 1985
MAXIMUM PEAK STAGE			23.81	Nov 19	30.37	Nov 5, 1985
INSTANTANEOUS LOW FLOW			122	(c)	12	Oct 18, 1988
10 PERCENT EXCEEDS	3,410		3,550		2,790	
50 PERCENT EXCEEDS	1,130		1,120		587	
90 PERCENT EXCEEDS	429		262		138	

a Feb. 23, Nov. 20.

b From rating curve extended above 36,400 ft³/s.

c Sept. 7, 8.

e Estimated



STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1907-1916, 1933-1972, BY WATER YEAR (WY) [UNREGULATED]

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	389	668	1,453	2,071	2,177	2,279	1,637	1,130	670	443	465	385
MAX	2,356	2,612	3,594	6,011	4,202	5,727	3,795	3,417	2,293	2,648	2,142	2,973
(WY)	(1938)	(1914)	(1943)	(1937)	(1916)	(1963)	(1940)	(1967)	(1950)	(1958)	(1956)	(1945)
MIN	20.3	20.0	34.1	310	332	426	138	147	30.7	57.0	25.4	19.8
(WY)	(1939)	(1909)	(1909)	(1967)	(1954)	(1910)	(1910)	(1939)	(1936)	(1911)	(1910)	(1908)

SUMMARY STATISTICS

WATER YEARS 1907-1916, 1933-1972

ANNUAL MEAN	1,136	
HIGHEST ANNUAL MEAN	1,879	1945
LOWEST ANNUAL MEAN	548	1954
HIGHEST DAILY MEAN	33,300	Mar 7, 1967
LOWEST DAILY MEAN	4.0	Jul 26, 1934
ANNUAL SEVEN-DAY MINIMUM	6.4	Oct 16, 1939
INSTANTANEOUS PEAK FLOW	(*)36,500	Mar 7, 1967
INSTANTANEOUS PEAK STAGE	28.05	Mar 7, 1967
INSTANTANEOUS LOW FLOW	3.4	Jul 27, 1934
10 PERCENT EXCEEDS	2,800	
50 PERCENT EXCEEDS	440	
90 PERCENT EXCEEDS	55	

* From rating curve extended above 21,000 ft³/s on basis of slope-area measurement at gage height 27.84 ft.

MONONGAHELA RIVER BASIN

03061430 WHETSTONE RUN NEAR MANNINGTON, WV
(Detention Reservoir)

LOCATION.-- Lat 39°31'03", long 80°22'17", NAD 27, Marion County, Hydrologic Unit 05020003.

DAM NAME.--Upper Buffalo Creek # 37-A.

SURFACE AREA.-- 8 acres.

DRAINAGE AREA.-- 2.0 mi².

PERIOD OF RECORD.-- October 2003 to current year.

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 1004.00 ft above NGVD 29.

REMARKS.-- Normal Pool = 12.60 ft (Normal Storage=76 acre-ft)

Top of Riser = 26.00 ft

Emergency Spillway = 32.50 ft

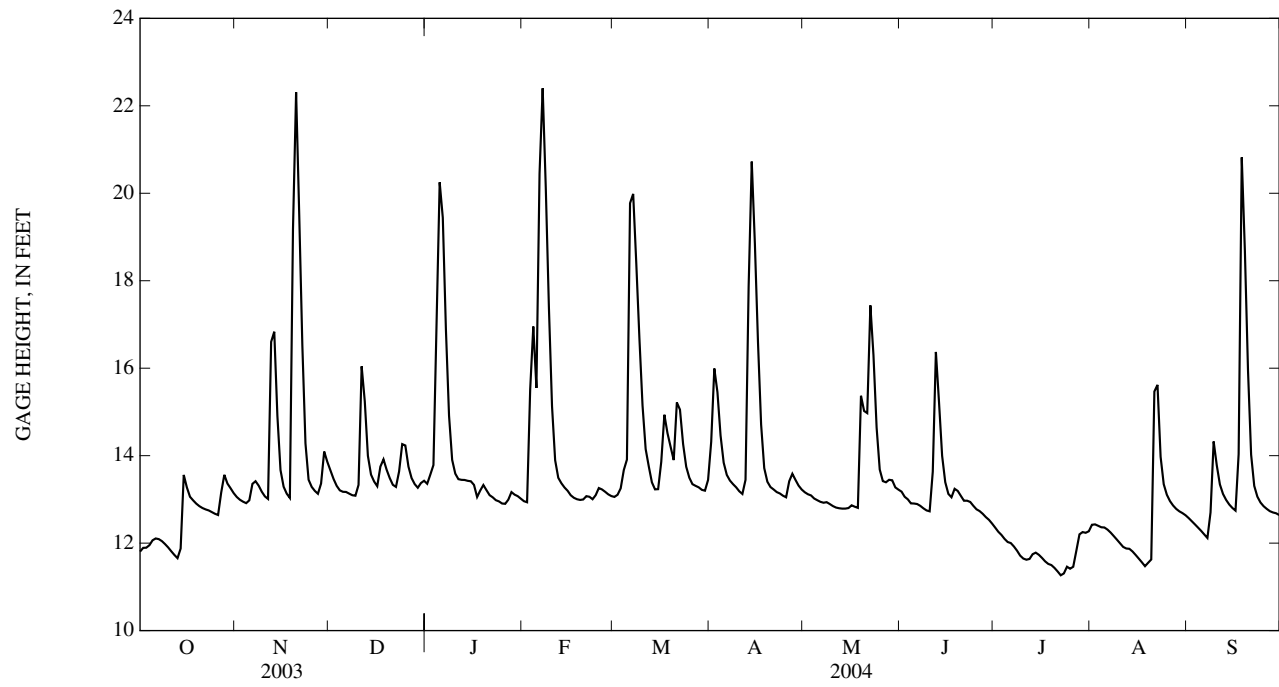
Top of Dam = 48.90 ft

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 23.84 ft, Nov. 19; minimum gage height, 11.18 ft, July 23.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.81	13.05	13.66	13.36	12.96	13.06	14.32	13.16	13.18	12.35	12.42	12.57
2	11.89	12.99	13.47	13.57	12.93	13.11	15.99	13.12	13.06	12.26	12.43	12.50
3	11.90	12.95	13.31	13.79	15.52	13.25	15.45	13.09	13.00	12.19	12.40	12.43
4	11.95	12.91	13.21	17.02	16.95	13.67	14.46	13.02	12.91	12.10	12.36	12.35
5	12.06	12.98	13.17	20.25	15.55	13.91	13.84	12.98	12.91	12.03	12.36	12.28
6	12.11	13.35	13.17	19.44	20.45	19.77	13.56	12.94	12.89	12.00	12.31	12.20
7	12.09	13.42	13.13	16.88	22.40	19.99	13.43	12.92	12.85	11.92	12.24	12.12
8	12.05	13.31	13.10	14.91	20.12	18.39	13.35	12.94	12.80	11.83	12.16	12.70
9	11.98	13.18	13.08	13.90	17.39	16.68	13.28	12.89	12.75	11.71	12.08	14.32
10	11.90	13.07	13.33	13.59	15.13	15.15	13.19	12.85	12.73	11.65	12.00	13.78
11	11.81	13.01	16.04	13.46	13.90	14.15	13.12	12.81	13.63	11.62	11.91	13.34
12	11.73	16.60	15.25	13.45	13.49	13.76	13.45	12.80	16.37	11.64	11.88	13.12
13	11.66	16.83	14.00	13.44	13.37	13.39	17.87	12.79	15.22	11.75	11.87	12.99
14	11.88	14.91	13.57	13.42	13.27	13.23	20.72	12.79	14.00	11.78	11.81	12.88
15	13.56	13.67	13.41	13.41	13.20	13.23	18.85	12.80	13.39	11.73	11.73	12.80
16	13.27	13.29	13.30	13.33	13.09	13.86	16.59	12.86	13.13	11.66	11.65	12.74
17	13.06	13.13	13.75	13.05	13.04	14.94	14.71	12.83	13.05	11.58	11.56	14.04
18	12.98	13.03	13.92	13.20	13.00	14.51	13.72	12.81	13.24	11.52	11.47	20.82
19	12.90	19.18	13.68	13.33	12.99	14.20	13.40	15.37	13.19	11.50	11.55	18.69
20	12.85	22.31	13.49	13.21	13.00	13.90	13.28	15.02	13.08	11.43	11.63	15.95
21	12.80	19.51	13.33	13.10	13.07	15.22	13.23	14.97	12.97	11.35	15.47	14.02
22	12.77	16.52	13.29	13.05	13.06	15.05	13.17	17.44	12.97	11.26	15.62	13.31
23	12.75	14.28	13.64	12.98	13.00	14.27	13.14	16.30	12.94	11.31	13.97	13.06
24	12.71	13.45	14.26	12.95	13.10	13.75	13.08	14.64	12.85	11.46	13.35	12.93
25	12.67	13.29	14.23	12.91	13.26	13.50	13.05	13.68	12.77	11.42	13.11	12.84
26	12.64	13.19	13.75	12.90	13.23	13.35	13.42	13.42	12.73	11.46	12.96	12.78
27	13.16	13.13	13.49	12.99	13.18	13.31	13.59	13.39	12.67	11.83	12.86	12.73
28	13.56	13.36	13.35	13.17	13.12	13.28	13.45	13.45	12.60	12.20	12.78	12.70
29	13.36	14.09	13.27	13.11	13.08	13.22	13.32	13.44	12.53	12.25	12.73	12.68
30	13.26	13.86	13.37	13.07	---	13.20	13.23	13.27	12.45	12.24	12.69	12.64
31	13.14	---	13.43	13.02	---	13.45	---	13.22	---	12.27	12.64	---
MEAN	12.52	14.39	13.63	13.98	14.48	14.44	14.31	13.55	13.16	11.78	12.52	13.48
MAX	13.56	22.31	16.04	20.25	22.40	19.99	20.72	17.44	16.37	12.35	15.62	20.82
MIN	11.66	12.91	13.08	12.90	12.93	13.06	13.05	12.79	12.45	11.26	11.47	12.12

03061430 WHETSTONE RUN NEAR MANNINGTON, WV—Continued



03061500 BUFFALO CREEK AT BARRACKVILLE, WV

LOCATION.--Lat 39°30'20", long 80°10'05", NAD 27. Marion County, Hydrologic Unit 05020003, on right downstream concrete and steel beam retaining wall 50 ft above highway bridge at Barrackville, 300 ft upstream from Finchs Run, and at mile 4.4.

DRAINAGE AREA.--116 mi².

PERIOD OF RECORD.--June 1907 to December 1908, May 1915 to June 1924, August 1932 to current year.

REVISED RECORDS.--WSP 783: 1917(M). WSP 1335: 1916(M), 1918-20(M), 1921, 1922(M), 1924(M), 1933(M), 1940. WDR WV-97-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 882.42 ft above NGVD 29. Prior to Oct. 1, 2000, water-stage recorder at site 0.2 mi upstream at same datum. Prior to Dec. 6, 1940, nonrecording gage 0.2 mi upstream. Prior to June 4, 1943, at datum 1.98 ft higher. Datums published in error, Oct. 1985 to Sept. 1990.

REMARKS.--Records good except those for periods of estimated daily discharges (ice effect), which are poor. Flow from 5.20 mi² is partially controlled, but not diverted, by three floodwater-detention reservoirs. Some additional regulation at low flow from mine pumpage above station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1912 reached a stage of about 18 ft, present site and datum, discharge, 11,600 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 12	1200	4,470	10.16	Mar 6	0900	4,780	10.45
Nov 19	1900	*9,460	*14.08	Apr 13	1900	4,580	10.26
Jan 4	1300	3,520	9.19	Sep 18	0300	6,150	11.62
Feb 6	1300	5,060	10.70				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	87	324	196	e80	81	583	91	88	25	57	21
2	55	73	251	252	e76	86	1,150	85	69	23	44	19
3	47	64	194	317	1,220	92	587	82	63	22	34	18
4	47	58	163	2,140	1,000	124	398	69	54	22	36	16
5	56	69	153	2,290	531	194	304	63	62	23	42	17
6	52	337	151	931	3,530	2,880	238	58	57	29	36	16
7	44	248	130	475	1,530	893	200	53	49	27	26	16
8	39	180	116	328	620	609	174	52	42	23	21	144
9	33	131	110	259	405	456	152	45	37	23	18	669
10	28	102	162	188	328	332	124	40	34	21	17	243
11	24	89	1,310	166	290	258	107	37	162	23	16	103
12	23	2,260	591	142	232	208	188	36	740	44	17	62
13	21	759	340	127	207	164	2,520	35	281	94	23	47
14	45	349	273	109	173	139	1,380	32	198	66	23	38
15	571	229	224	103	151	131	615	34	210	41	19	33
16	195	168	181	87	116	221	386	40	125	29	16	29
17	106	129	314	120	107	531	288	35	134	23	14	542
18	86	102	393	138	97	338	217	31	515	21	13	3,110
19	69	4,710	306	192	93	352	175	407	220	20	24	434
20	58	1,900	243	147	92	311	146	240	126	21	49	195
21	50	624	190	e120	105	642	130	652	83	20	867	122
22	48	350	182	e110	98	442	113	1,540	76	17	281	82
23	45	252	328	e95	82	307	109	412	67	24	109	61
24	39	206	734	e85	96	235	92	207	52	31	61	48
25	34	196	554	e78	140	191	82	142	42	20	44	41
26	31	162	352	e72	120	158	172	132	39	23	34	36
27	148	137	262	100	107	153	204	127	35	164	30	33
28	345	182	211	144	93	146	155	125	31	204	26	34
29	195	465	181	115	85	128	120	123	30	85	31	32
30	152	368	214	e96	---	123	101	89	27	47	31	30
31	113	---	221	e85	---	186	---	86	---	36	24	---
TOTAL	2,848	14,986	9,358	9,807	11,804	11,111	11,210	5,200	3,748	1,291	2,083	6,291
MEAN	91.9	500	302	316	407	358	374	168	125	41.6	67.2	210
MAX	571	4,710	1,310	2,290	3,530	2,880	2,520	1,540	740	204	867	3,110
MIN	21	58	110	72	76	81	82	31	27	17	13	16
CFSM	0.79	4.31	2.60	2.73	3.51	3.09	3.22	1.45	1.08	0.36	0.58	1.81
IN.	0.91	4.81	3.00	3.15	3.79	3.56	3.59	1.67	1.20	0.41	0.67	2.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1907 - 2004, BY WATER YEAR (WY)

MEAN	46.4	112	213	278	304	355	252	198	112	66.3	57.1	48.1
MAX	262	530	696	944	690	795	658	543	476	381	357	285
(WY)	(1990)	(1986)	(1991)	(1937)	(1994)	(1963)	(1948)	(1968)	(1981)	(1978)	(1980)	(1990)
MIN	0.00	0.00	9.53	25.2	32.8	71.9	53.3	17.8	6.69	2.44	2.24	0.01
(WY)	(1909)	(1909)	(1999)	(1967)	(1934)	(1969)	(1971)	(1934)	(1936)	(1966)	(1938)	(1908)

03061500 BUFFALO CREEK AT BARRACKVILLE, WV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1907 - 2004	
ANNUAL TOTAL	83,386.0		89,737		169	
ANNUAL MEAN	228		245		280	
HIGHEST ANNUAL MEAN					80.3	
LOWEST ANNUAL MEAN					1994	
HIGHEST DAILY MEAN	4,710	Nov 19	4,710	Nov 19	5,710	Apr 12, 1948
LOWEST DAILY MEAN	9.2	Aug 26	13	Aug 18	0.00	(a)
ANNUAL SEVEN-DAY MINIMUM	13	Aug 20	18	Sep 1	0.00	Sep 4, 1908
MAXIMUM PEAK FLOW			9,460	Nov 19	10,400	Feb 19, 2000
MAXIMUM PEAK STAGE			14.08	Nov 19	(b)16.76	Feb 19, 2000
INSTANTANEOUS LOW FLOW			13	(c)	0.00	(d)
ANNUAL RUNOFF (CFSM)	1.97		2.11		1.46	
ANNUAL RUNOFF (INCHES)	26.74		28.78		19.79	
10 PERCENT EXCEEDS	540		531		402	
50 PERCENT EXCEEDS	106		110		60	
90 PERCENT EXCEEDS	29		24		5.4	

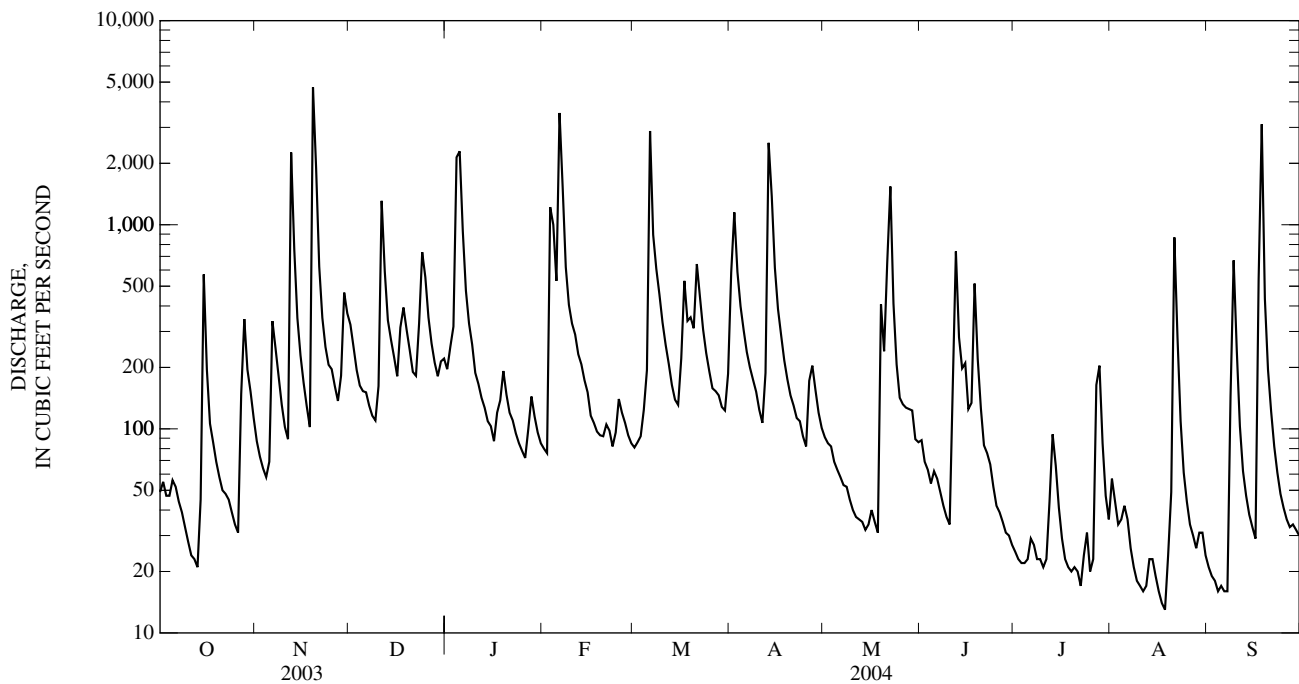
a Aug. 13-17, Sept. 4-28, Sept. 30 to Dec. 6, 1908.

b From floodmarks.

c Aug. 18-19.

d Greater part of period August to December 1908.

e Estimated.



REVISIONS.--The revised peak discharges for the 2001 to 2003 water years are given below. These revised discharges supercede discharges published in WDR WV-01-1, WDR WV-02-1, and WDR WV-03-1:

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 11, 2001	1700	4,250	9.94
Apr. 28, 2002	1530	4,750	10.42
Feb. 23, 2003	1000	5,710	11.26

03062500 DECKERS CREEK AT MORGANTOWN, WV

LOCATION.--Lat 39°37'45", long 79°57'10", NAD 27, Monongalia County, Hydrologic Unit 05020003, on left bank at Kingwood Street, in Morgantown, 0.6 mi. upstream from mouth.

DRAINAGE AREA.--63.2 mi².

PERIOD OF RECORD.--April 1914 to September 1915 (gage heights only), February 1946 to September 1969, October 2002 to current year.

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 820 ft above NGVD 29, from topographic map. Prior to Dec. 4, 1914, nonrecording gage on bridge 0.5 mile upstream at different datum. Dec. 4, 1914, to Sept. 30, 1915, nonrecording gage on bridge 0.9 mile upstream at different datum. Feb. 8 to May 7, 1946, nonrecording gage, and May 8, 1946, to June 19, 1956, water-stage recorder at site 150 ft downstream at present datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 18, 1980, reached a stage of 12.36 ft, from floodmarks, discharge 7,550 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 12	0800	1,200	4.00	Apr 13	1730	1,210	4.02
Nov 19	1430	*2,290	*5.77	May 22	0400	1,130	3.87
Feb 6	1130	1,230	4.05				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	137	95	177	155	e84	83	212	81	74	18	52	20
2	128	86	158	172	e80	87	463	78	69	15	50	16
3	107	79	139	193	304	98	386	85	68	13	34	13
4	111	71	126	523	330	110	338	79	62	12	24	11
5	121	102	121	683	233	138	266	73	93	12	22	9.4
6	104	209	118	543	1,000	729	208	68	101	11	19	8.5
7	90	190	107	345	975	572	173	63	83	9.8	15	9.9
8	78	158	98	253	590	434	146	58	64	9.1	12	83
9	68	129	93	204	396	328	129	54	49	8.3	10	304
10	59	111	113	160	290	265	106	49	41	7.5	8.9	308
11	53	101	448	134	241	215	91	43	48	6.8	9.0	172
12	48	799	365	118	202	180	103	46	131	13	8.8	110
13	44	571	249	103	175	146	662	44	163	12	10	82
14	68	367	212	89	151	122	757	33	175	9.8	11	62
15	104	251	185	83	129	110	490	35	127	8.8	9.9	47
16	79	199	156	70	109	114	320	104	99	7.6	8.6	36
17	69	162	178	68	90	172	237	85	135	6.4	7.5	47
18	77	136	156	126	77	161	186	78	135	5.9	6.6	299
19	71	1,230	134	150	73	191	150	345	136	11	31	359
20	65	934	120	122	81	188	127	390	114	16	35	227
21	60	536	106	109	144	347	109	380	86	13	350	141
22	57	373	102	e95	169	293	94	887	74	9.1	455	101
23	54	255	139	e85	140	218	88	488	76	7.9	247	77
24	49	210	451	e76	131	174	78	274	57	7.6	124	58
25	44	173	407	e120	139	143	68	180	44	6.9	76	46
26	43	143	272	140	124	117	115	125	37	7.0	51	37
27	100	123	204	146	108	104	145	96	33	51	40	31
28	137	160	165	139	94	97	125	87	28	125	32	32
29	127	217	142	114	86	85	104	94	26	65	27	45
30	121	188	168	e105	---	80	90	73	23	34	27	44
31	107	---	183	e93	---	86	---	63	---	29	25	---
TOTAL	2,580	8,358	5,792	5,516	6,745	6,187	6,566	4,638	2,451	568.5	1,838.3	2,835.8
MEAN	83.2	279	187	178	233	200	219	150	81.7	18.3	59.3	94.5
MAX	137	1,230	451	683	1,000	729	757	887	175	125	455	359
MIN	43	71	93	68	73	80	68	33	23	5.9	6.6	8.5
CFSM	1.32	4.41	2.96	2.82	3.68	3.16	3.46	2.37	1.29	0.29	0.94	1.50
IN.	1.52	4.92	3.41	3.25	3.97	3.64	3.86	2.73	1.44	0.33	1.08	1.67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2004, BY WATER YEAR (WY)

MEAN	23.1	62.1	133	169	177	215	154	121	73.9	46.2	46.8	28.6
MAX	155	279	282	337	337	474	353	279	254	201	309	294
(WY)	(1955)	(2004)	(1957)	(1952)	(1956)	(1963)	(1948)	(1968)	(2003)	(2003)	(1956)	(2003)
MIN	1.27	1.85	11.2	32.4	53.5	56.8	52.3	23.6	9.23	2.89	2.42	1.97
(WY)	(1954)	(1954)	(1954)	(1967)	(1954)	(1969)	(1963)	(1962)	(1959)	(1966)	(1953)	(1953)

03062500 DECKERS CREEK AT MORGANTOWN, WV—Continued

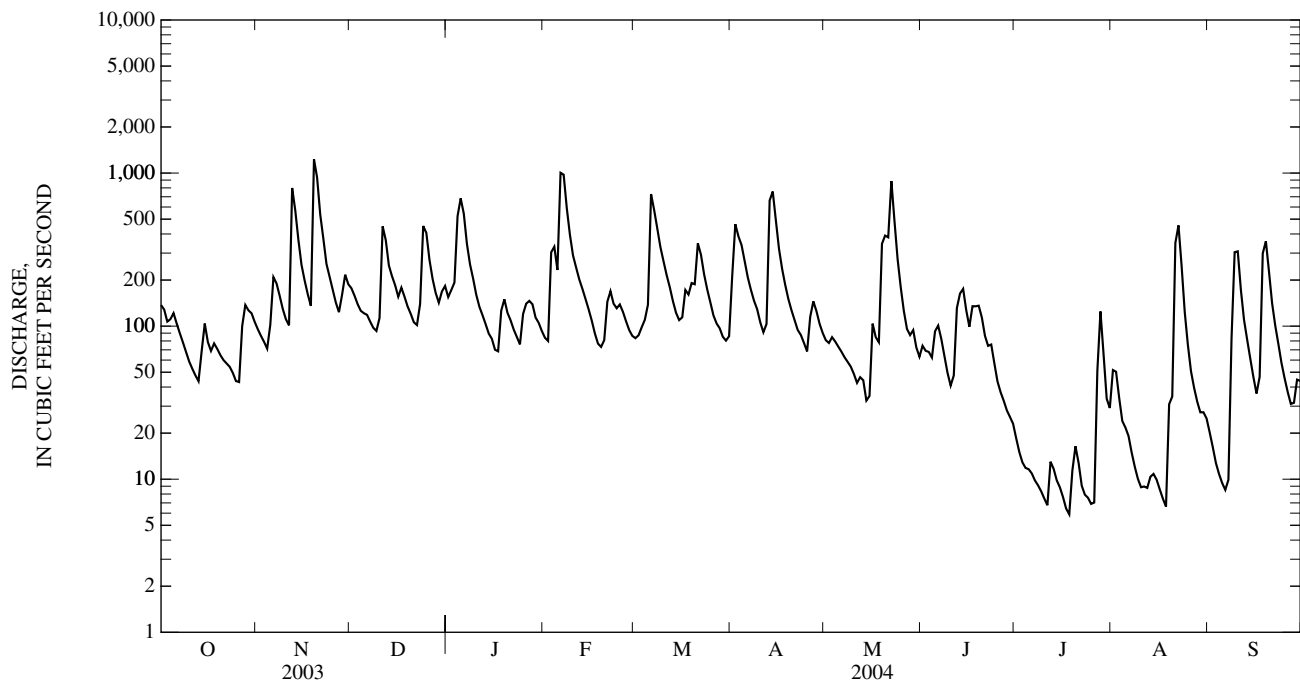
SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1946 - 2004	
ANNUAL TOTAL	78,469.7		54,075.6		105	
ANNUAL MEAN	215		148		193	
HIGHEST ANNUAL MEAN					54.8	
LOWEST ANNUAL MEAN					2,740	
HIGHEST DAILY MEAN	2,340	Sep 2	1,230	Nov 19	2,740	Aug 6, 1956
LOWEST DAILY MEAN	8.0	Jul 27	5.9	Jul 18	0.30	Sep 3, 1966
ANNUAL SEVEN-DAY MINIMUM	10	Aug 20	8.8	Jul 13	0.60	Sep 6, 1964
MAXIMUM PEAK FLOW			2,290	Nov 19	7,550	Aug 18, 1980
MAXIMUM PEAK STAGE			5.77	Nov 19	(a)12.36	Aug 18, 1980
INSTANTANEOUS LOW FLOW			5.6	(b)	(c)	(c)
ANNUAL RUNOFF (CFSM)	3.40		2.34		1.66	
ANNUAL RUNOFF (INCHES)	46.19		31.83		22.51	
10 PERCENT EXCEEDS	562		340		252	
50 PERCENT EXCEEDS	119		104		50	
90 PERCENT EXCEEDS	34		13		4.8	

a From floodmarks.

b July 18, 19.

c Unknown.

e Estimated.



03065000 DRY FORK AT HENDRICKS, WV

LOCATION.--Lat 39°04'20", long 79°37'23", NAD 27, Tucker County, Hydrologic Unit 05020004, on right bank at Hendricks, 0.4 mi upstream from confluence with Blackwater River.

DRAINAGE AREA.--349 mi².

PERIOD OF RECORD.--October 1940 to September 1993, October 1993 to September 1995 (gage heights only), October 1995 to current year.

REVISED RECORDS.--WDR WV-97-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 1,698.76 ft above mean sea level, adjustment of 1912. Prior to Dec. 21, 1941, 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 7,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 19	1630	10,100	7.11	Mar 6	1100	8,560	6.59
Feb 6	1900	*11,000	*7.40	Sep 8	2200	10,100	7.10

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	525	658	976	1,110	e400	641	795	744	1,200	224	879	139
2	535	577	867	1,690	e640	2,000	1,060	672	928	194	539	105
3	435	508	734	3,700	944	3,230	1,100	1,220	730	171	398	77
4	463	449	675	3,480	1,380	5,450	1,660	969	590	237	317	63
5	605	577	630	2,880	1,110	4,270	1,400	827	567	226	309	56
6	511	1,150	588	2,360	7,180	7,110	1,180	703	556	197	271	50
7	440	1,150	514	1,610	6,290	4,410	1,570	591	446	161	208	47
8	378	959	436	1,240	2,590	2,660	2,910	550	368	152	166	1,840
9	328	778	461	1,020	1,570	1,780	2,730	476	316	137	140	2,960
10	292	654	489	793	1,180	1,350	1,830	412	318	128	121	1,090
11	261	586	2,760	615	932	1,130	1,390	364	1,390	618	107	589
12	235	4,430	1,980	e540	779	1,080	1,410	459	4,360	351	108	404
13	215	5,240	1,350	e490	674	911	3,490	905	1,680	833	215	304
14	214	2,430	1,100	e440	606	790	5,380	951	1,020	759	203	239
15	1,410	1,480	911	e400	539	919	2,840	729	1,230	521	140	197
16	1,250	1,070	703	e370	446	1,260	1,790	734	890	376	114	168
17	925	848	851	e340	467	1,810	1,290	667	1,080	281	102	158
18	844	685	879	647	426	1,440	986	864	3,870	243	98	2,190
19	698	4,220	775	854	403	1,950	787	2,760	2,840	272	86	1,030
20	589	5,100	701	e740	491	1,800	659	2,310	1,600	210	76	556
21	511	2,370	632	e620	1,480	4,490	588	1,890	1,000	165	142	399
22	471	1,530	687	e540	1,330	2,630	516	2,930	798	144	190	307
23	469	1,120	982	e470	960	1,680	471	1,780	962	167	143	244
24	409	917	3,070	e400	851	1,270	566	1,140	683	167	102	199
25	350	850	2,560	e360	729	1,080	648	801	525	126	81	172
26	320	686	1,640	e430	633	1,000	3,550	900	563	118	68	154
27	529	601	1,190	e520	571	912	3,100	1,400	466	2,270	62	140
28	1,290	699	977	572	516	835	1,810	4,450	368	1,000	57	1,220
29	1,060	1,230	895	519	547	700	1,220	3,290	315	533	54	2,220
30	949	1,010	1,250	e470	---	630	920	1,870	267	358	62	1,090
31	770	---	1,350	435	---	642	---	1,340	---	344	171	---
TOTAL	18,281	44,562	33,613	30,655	36,664	61,860	49,646	39,698	31,926	11,683	5,729	18,407
MEAN	590	1,485	1,084	989	1,264	1,995	1,655	1,281	1,064	377	185	614
MAX	1,410	5,240	3,070	3,700	7,180	7,110	5,380	4,450	4,360	2,270	879	2,960
MIN	214	449	436	340	400	630	471	364	267	118	54	47
CFSM	1.69	4.26	3.11	2.83	3.62	5.72	4.74	3.67	3.05	1.08	0.53	1.76
IN.	1.95	4.75	3.58	3.27	3.91	6.59	5.29	4.23	3.40	1.25	0.61	1.96

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2004, BY WATER YEAR (WY)

	364	679	947	1,026	1,203	1,556	1,219	930	550	388	337	278
MEAN	1,704	4,165	2,224	2,545	2,688	3,736	2,914	3,543	1,737	1,796	1,266	1,316
(WY)	(1977)	(1986)	(1973)	(1996)	(1956)	(1963)	(1958)	(1996)	(1974)	(1996)	(1956)	(1996)
MIN	13.8	35.0	242	174	227	588	373	236	67.3	32.1	23.7	11.6
(WY)	(1954)	(1954)	(2002)	(1977)	(1978)	(1990)	(1946)	(1970)	(1991)	(1993)	(1957)	(1946)

03065000 DRY FORK AT HENDRICKS, WV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1941 - 2004	
ANNUAL TOTAL	423,557		382,724		787	
ANNUAL MEAN	1,160		1,046		1,435	
HIGHEST ANNUAL MEAN					510	
LOWEST ANNUAL MEAN					34,000	
HIGHEST DAILY MEAN	12,700	Sep 19	7,180	Feb 6	2.4	Nov 5, 1985
LOWEST DAILY MEAN	93	Jul 27	47	Sep 7	3.5	(a)
ANNUAL SEVEN-DAY MINIMUM	116	Aug 1	69	Aug 24	(b)100,000	Aug 28, 1993
MAXIMUM PEAK FLOW			11,000	Feb 6	(c)20.74	Nov 5, 1985
MAXIMUM PEAK STAGE			7.40	Feb 6	(d)	Nov 5, 1985
INSTANTANEOUS LOW FLOW			47	(d)	2.2	Sep 1, 1993
ANNUAL RUNOFF (CFSM)	3.33		3.00		2.25	
ANNUAL RUNOFF (INCHES)	45.15		40.79		30.64	
10 PERCENT EXCEEDS	2,750		2,470		1,830	
50 PERCENT EXCEEDS	732		686		430	
90 PERCENT EXCEEDS	186		164		65	

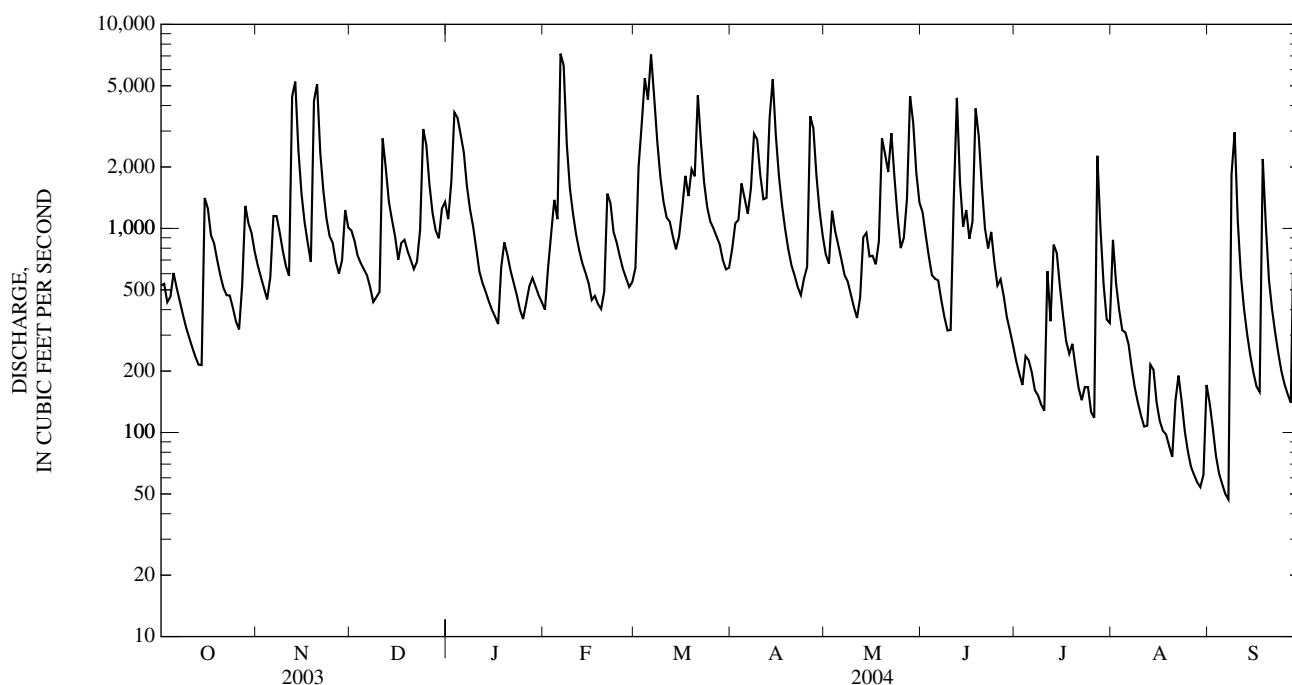
a Sept. 1, 2, 1993.

b From rating curve extended above 47,000 ft³/s on basis of slope-area measurement of peak flow.

c From floodmarks.

d Sept. 7, 8.

e Estimated.



03065400 BLACKWATER RIVER NEAR DAVIS, WV

LOCATION.--Lat 39°08'24", long 79°25'12", NAD 27, Tucker County, Hydrologic Unit 05020004, on right bank, 2.8 mi northeast of Davis, 0.5 mi upstream from Yellow Creek, and at mile 14.0.

DRAINAGE AREA.--54.7 mi².

PERIOD OF RECORD.--November 1991 to September 1998, October 2002 to current year.

REVISED RECORDS.--WDR WV-97-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemeter. Elevation of gage is approximately 3,130 ft above NGVD 29, from topographic map.

REMARKS.--Records good except those above 500 ft³/s, which are fair, and 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 900 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 13	0830	1,010	4.94	Mar 5	0200	1,210	5.54
Feb 7	1530	*1,430	*6.22	Mar 7	0200	1,230	5.61

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	124	87	142	148	e77	117	144	125	172	41	170	e13
2	120	78	e125	271	e74	346	202	119	139	39	103	e11
3	92	72	e115	580	e110	618	175	214	110	48	56	10
4	114	65	99	588	192	870	229	153	90	112	42	9.3
5	126	88	90	474	184	1,080	193	119	95	132	63	9.1
6	92	195	88	410	651	995	172	109	90	69	51	8.7
7	76	177	e84	234	e1,350	1,090	276	101	70	48	38	9.2
8	67	128	e74	227	e1,300	610	524	140	56	43	34	94
9	61	102	71	178	e1,050	344	495	97	49	37	30	630
10	57	90	88	e160	e640	257	355	78	44	35	28	346
11	52	90	408	e150	e400	214	250	70	99	39	24	149
12	49	548	286	e130	e270	209	252	68	558	35	24	90
13	47	942	162	e105	e220	165	449	73	396	46	37	65
14	49	523	e115	e88	e200	154	540	103	171	48	34	49
15	263	252	e140	e75	e180	210	399	69	130	36	28	41
16	203	192	e145	e64	e150	203	249	61	104	31	24	35
17	122	162	e145	e57	e120	273	192	54	111	27	21	42
18	133	133	e140	e80	e100	213	158	51	286	26	20	387
19	108	344	e130	e115	e72	337	135	298	428	23	19	327
20	87	829	e115	e92	e110	285	118	285	314	21	18	126
21	77	451	e98	e74	e240	572	107	212	150	20	23	82
22	76	225	e130	e66	e220	510	95	337	117	19	45	62
23	100	171	e190	e59	e180	289	92	219	146	32	30	49
24	84	150	430	e53	e140	234	113	141	122	26	21	42
25	70	155	378	e48	e120	206	146	111	83	21	17	39
26	63	126	260	e58	e110	173	465	159	82	20	15	39
27	114	109	220	e70	e95	160	485	242	70	154	13	38
28	187	131	183	e92	91	152	279	666	57	97	13	154
29	137	227	136	e88	96	129	183	590	51	47	e14	388
30	128	163	200	e83	---	113	146	274	46	35	e17	196
31	101	---	194	e80	---	122	---	179	---	73	e15	---
TOTAL	3,179	7,005	5,181	4,997	8,742	11,250	7,618	5,517	4,436	1,480	1,087	3,540.3
MEAN	103	234	167	161	301	363	254	178	148	47.7	35.1	118
MAX	263	942	430	588	1,350	1,090	540	666	558	154	170	630
MIN	47	65	71	48	72	113	92	51	44	19	13	8.7
CFSM	1.87	4.27	3.06	2.95	5.51	6.63	4.64	3.25	2.70	0.87	0.64	2.16
IN.	2.16	4.76	3.52	3.40	5.95	7.65	5.18	3.75	3.02	1.01	0.74	2.41

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

	54.5	142	177	203	253	332	193	188	98.4	96.8	82.9	84.4
MEAN	108	234	244	378	486	461	350	406	226	236	211	284
(WY)	(1997)	(2004)	(1997)	(1996)	(1994)	(2003)	(1993)	(1996)	(2003)	(2001)	(1996)	(2003)
MIN	9.93	30.8	123	110	69.5	146	88.5	65.5	29.1	9.48	7.10	10.8
(WY)	(1995)	(1992)	(1995)	(2003)	(1993)	(1995)	(1995)	(1993)	(1994)	(1993)	(1993)	(1995)

03065400 BLACKWATER RIVER NEAR DAVIS, WV—Continued

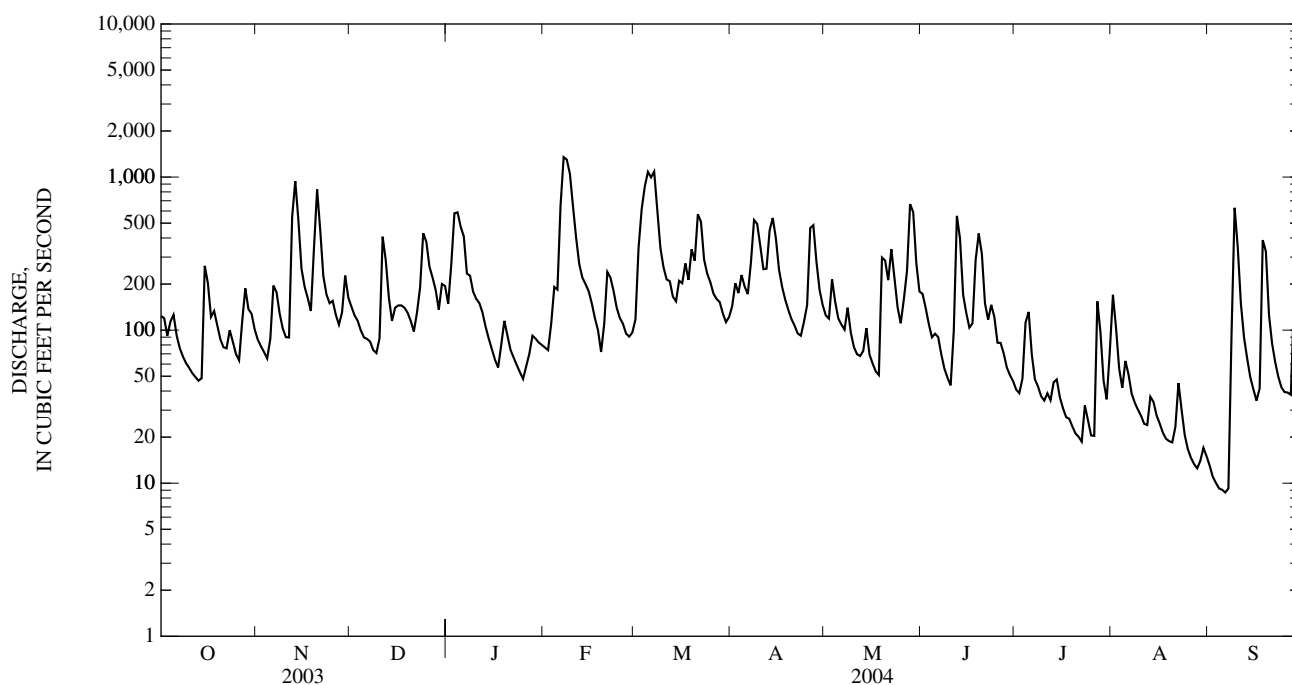
SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	79,537.0		64,032.3		163	
ANNUAL MEAN	218		175		101	
HIGHEST ANNUAL MEAN					220	
LOWEST ANNUAL MEAN					101	
HIGHEST DAILY MEAN	1,670	Sep 19	(e)1,350	Feb 7	(e)3,800	Feb 9, 1994
LOWEST DAILY MEAN	22	Jan 28	8.7	Sep 6	4.0	Aug 30, 1993
ANNUAL SEVEN-DAY MINIMUM	25	Jan 22	10	Sep 1	4.9	Aug 28, 1993
MAXIMUM PEAK FLOW			1,430	Feb 7	4,050	Feb 9, 1994
MAXIMUM PEAK STAGE			6.22	Feb 7	(a)10.51	Jan 19, 1996
INSTANTANEOUS LOW FLOW			8.7	(b)	4.0	(c)
ANNUAL RUNOFF (CFSM)	3.98		3.20		2.97	
ANNUAL RUNOFF (INCHES)	54.09		43.55		40.38	
10 PERCENT EXCEEDS	493		399		395	
50 PERCENT EXCEEDS	132		115		98	
90 PERCENT EXCEEDS	47		31		15	

a From floodmarks.

b Sept. 4-7.

c July 25, 26, Aug. 29-31, 1993.

e Estimated.



REVISIONS FOR THE 1993 TO 1995 WATER YEARS.--The revised peak discharges greater than 1,500 ft³/s during the 1993 to 1995 water years are given below. These figures supercede those published in WDR WV 93-1, WDR WV 94-1, and WDR WV 95-1.

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr 1, 1993	2000	1,400	6.14
Feb 9, 1994	1200	3,690	10.48
May 8, 1994	1000	2,020	7.73
Aug. 7, 1995	0500	1,420	6.17

03066000 BLACKWATER RIVER AT DAVIS, WV

LOCATION.--Lat 39°07'37", long 79°28'07", NAD 27, Tucker County, Hydrologic Unit 05020004, on right bank 0.4 mi southwest of Davis, 0.5 mi downstream from Beaver Creek, and at mile 11.1.

DRAINAGE AREA.--85.9 mi².

PERIOD OF RECORD.--April 1921 to current year.

REVISED RECORDS.--WSP 583: 1921-23. WSP 803: Drainage area. WSP 1173: 1931-34(M,m). WSP 1305: 1928(M), 1932-37(M), 1939-41(M), 1944-48(M). WDR WV-97-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 3,058.87 ft above mean sea level (levels by West Virginia Power and Transmission Company). Prior to Dec. 18, 1952, nonrecording gage at site 60 ft downstream at same datum.

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

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 12	1900	1,870	7.07	Mar 6	1900	1,920	7.17
Feb 6	1800	*2,360	*7.99	May 28	0400	1,500	6.30
Mar 4	2200	2,030	7.38				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e210	137	222	236	e115	189	223	165	263	56	366	22
2	e200	127	172	504	e110	665	320	165	210	51	182	20
3	e160	117	168	995	211	984	271	312	163	80	97	17
4	e180	108	145	893	271	1,650	365	206	137	254	72	16
5	e215	159	137	784	231	1,570	292	153	145	351	151	16
6	e170	313	136	639	1,530	1,720	261	136	137	142	106	15
7	e140	281	126	364	2,020	1,510	498	136	108	83	70	16
8	121	200	e110	314	e1,730	842	907	219	87	69	56	231
9	109	157	116	278	e1,200	506	808	139	77	57	48	1,100
10	103	140	165	228	829	380	542	110	70	54	41	482
11	95	140	711	230	535	322	377	98	237	60	37	191
12	90	1,360	425	194	377	316	408	96	1,080	53	41	105
13	85	1,340	252	162	315	247	767	101	538	74	77	76
14	96	702	169	e140	305	232	829	152	255	74	58	61
15	421	372	216	e115	262	321	578	98	186	54	42	54
16	294	292	219	e96	214	331	364	84	151	44	36	48
17	182	252	219	e84	166	405	282	75	160	38	31	59
18	202	205	211	e120	146	319	231	74	481	37	27	758
19	163	726	198	e180	106	534	192	573	545	34	27	477
20	137	1,180	168	e140	e130	443	164	418	398	31	28	188
21	125	616	e150	e115	e360	1,050	148	303	206	29	38	123
22	126	334	192	e97	e330	723	131	565	173	29	68	95
23	153	261	302	e87	e260	429	127	314	210	46	44	79
24	138	235	651	e77	213	357	152	192	168	37	30	68
25	116	244	568	e70	179	319	211	147	116	30	24	61
26	106	191	369	e84	163	269	791	228	114	55	21	56
27	207	164	285	e105	142	247	674	350	98	419	19	52
28	293	238	250	e150	142	232	381	1,270	77	194	18	289
29	219	370	217	e135	145	188	251	773	74	86	18	586
30	200	258	356	e125	---	162	197	383	64	58	27	275
31	156	---	314	e120	---	177	---	269	---	157	25	---
TOTAL	5,212	11,219	7,939	7,861	12,737	17,639	11,742	8,304	6,728	2,836	1,925	5,636
MEAN	168	374	256	254	439	569	391	268	224	91.5	62.1	188
MAX	421	1,360	711	995	2,020	1,720	907	1,270	1,080	419	366	1,100
MIN	85	108	110	70	106	162	127	74	64	29	18	15
CFSM	1.96	4.35	2.98	2.95	5.11	6.62	4.56	3.12	2.61	1.07	0.72	2.19
IN.	2.26	4.86	3.44	3.40	5.52	7.64	5.09	3.60	2.91	1.23	0.83	2.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2004, BY WATER YEAR (WY)

MEAN	107	171	244	270	322	393	298	224	144	107	101	78.9
MAX	510	990	615	634	773	1,125	766	640	507	408	478	503
(WY)	(1977)	(1986)	(1973)	(1952)	(1994)	(1963)	(1958)	(1996)	(1981)	(1996)	(1956)	(2003)
MIN	4.31	6.73	45.7	44.5	52.4	127	74.7	47.4	23.2	14.2	7.19	5.23
(WY)	(1954)	(1931)	(1999)	(1977)	(1978)	(1990)	(1946)	(1930)	(1999)	(1930)	(1930)	(1930)

03066000 BLACKWATER RIVER AT DAVIS, WV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1921 - 2004	
ANNUAL TOTAL	124,850		99,778		204	
ANNUAL MEAN	342		273		125	
HIGHEST ANNUAL MEAN					362	
LOWEST ANNUAL MEAN					125	
HIGHEST DAILY MEAN	(e)4,000	Sep 19	2,020	Feb 7	9,470	Nov 5, 1985
LOWEST DAILY MEAN	35	Jul 27	15	Sep 6	1.6	Sep 11, 1959
ANNUAL SEVEN-DAY MINIMUM	40	Jan 22	17	Sep 1	2.4	Oct 1, 1953
MAXIMUM PEAK FLOW			2,360	Feb 6	(a)12,500	Nov 5, 1985
MAXIMUM PEAK STAGE			7.99	Feb 6	(b)17.67	Nov 5, 1985
INSTANTANEOUS LOW FLOW			15	(c)	(d)1.5	(f)
ANNUAL RUNOFF (CFSM)	3.98		3.17		2.38	
ANNUAL RUNOFF (INCHES)	54.07		43.21		32.32	
10 PERCENT EXCEEDS	768		623		481	
50 PERCENT EXCEEDS	213		172		113	
90 PERCENT EXCEEDS	74		47		19	

a From rating curve extended above 7,000 ft³/s.

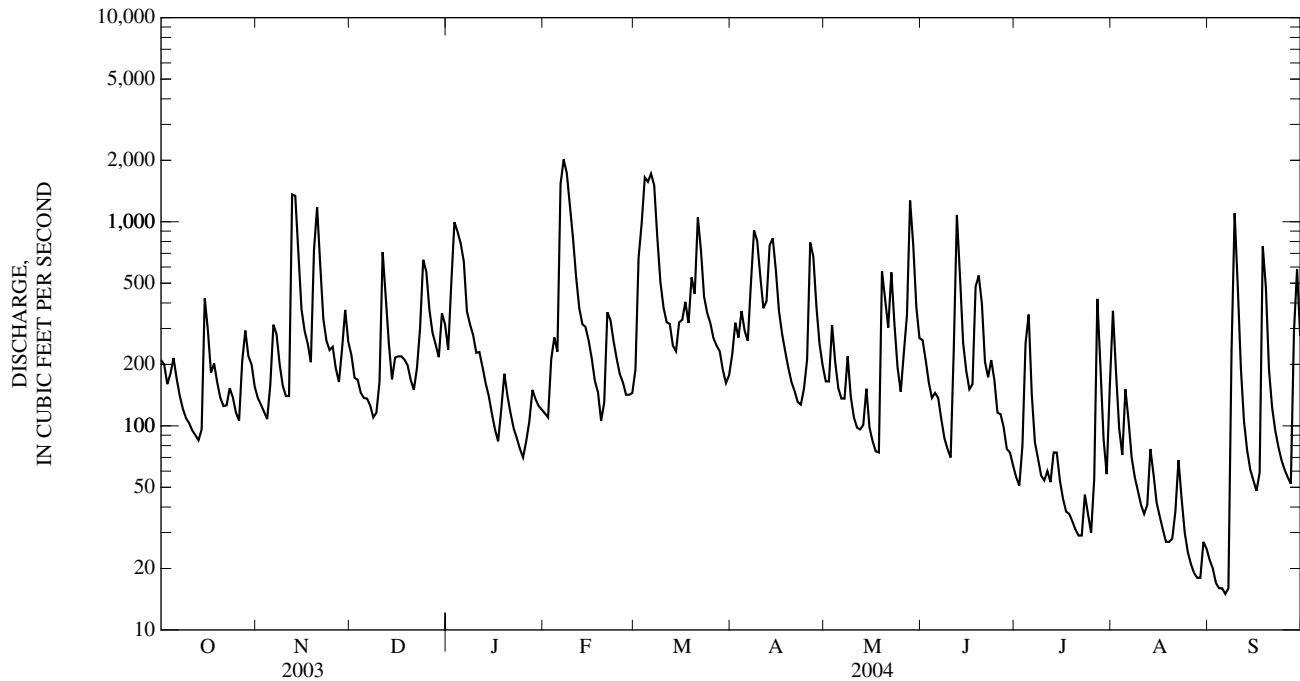
b From floodmarks.

c Sept. 5-7.

d Caused by filling small water-supply pool about 1.0 mi upstream.

e Estimated.

f Sept. 11, 12, 1959.



03067510 SHAVERS FORK NEAR CHEAT BRIDGE, WV

LOCATION.--Lat 38°37'01", long 79°52'12", NAD 27, Randolph County, Hydrologic Unit 05020004, on left downstream wingwall, on US Route 250 at Cheat Bridge, 1.8 mi downstream from Fish Hatchery Run, and at mile 65.5.

DRAINAGE AREA.--60.16 mi².

PERIOD OF RECORD.--October 2001 to current year.

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 3,536.56 ft above NGVD 29.

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

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft³/s (revised) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 12	2300	3,660	11.75	Apr 13	1700	4,820	12.85
Nov 19	1300	*7,600	*15.57	Apr 26	1400	1,680	9.13
Dec 11	0100	1,830	9.37	May 28	0600	3,530	11.60
Feb 6	2100	unknown	(a)11.85	Sep 8	1900	5,690	13.72
Mar 6	0700	3,380	11.43	Sep 18	0600	2,200	9.91
Mar 21	0500	2,070	9.73	Sep 28	1600	3,970	12.07
Apr 12	2000	2,800	10.71				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	114	157	146	e70	202	253	135	219	36	126	21
2	84	103	124	436	e90	531	200	250	184	33	78	15
3	72	94	e115	992	e115	527	172	484	138	30	149	13
4	81	85	e105	1,150	e100	913	214	221	120	31	69	12
5	101	106	e100	830	e90	1,090	167	171	221	34	73	12
6	81	218	e92	456	e500	2,240	147	142	203	33	82	14
7	70	212	e85	306	e1,000	805	210	122	140	27	53	13
8	64	150	e80	e220	e350	421	388	108	110	33	41	1,540
9	60	121	92	e180	e260	274	395	99	94	24	34	1,260
10	59	106	197	e150	e190	212	259	86	116	78	28	324
11	55	106	816	e130	e160	178	243	78	129	104	25	178
12	52	1,330	e300	e120	e140	162	886	75	255	101	27	126
13	50	1,170	e230	e110	e120	134	2,280	83	140	58	47	95
14	77	336	e190	e100	e110	131	1,310	e83	120	48	35	76
15	606	226	e160	e90	e95	186	489	e77	209	41	26	63
16	231	185	e140	e80	e86	353	337	e72	127	33	82	54
17	160	158	e170	e96	e80	375	255	e84	166	27	52	118
18	166	136	e150	e115	e76	222	211	97	136	67	32	1,320
19	132	3,040	e125	e125	e84	299	185	318	119	123	25	363
20	112	821	e110	e95	e100	245	173	192	93	54	22	193
21	100	349	e100	e86	e180	1,130	174	475	74	37	38	136
22	97	242	e120	e83	e150	374	141	591	69	30	69	105
23	90	192	e250	e78	e130	242	135	238	67	34	35	85
24	81	173	686	e76	e115	199	148	165	61	50	25	71
25	75	168	284	e88	e100	201	131	140	87	32	20	64
26	71	138	184	e98	e92	262	1,020	294	104	25	17	57
27	337	125	154	e105	e87	360	446	406	66	36	16	53
28	292	251	156	e92	e84	419	255	1,700	52	48	16	1,530
29	191	e300	142	e86	e92	278	191	434	46	33	15	779
30	163	e200	208	e80	---	229	156	254	40	26	21	286
31	132	---	172	e74	---	236	---	226	---	59	24	---
TOTAL	4,031	10,955	5,994	6,873	4,846	13,430	11,571	7,900	3,705	1,425	1,402	8,976
MEAN	130	365	193	222	167	433	386	255	124	46.0	45.2	299
MAX	606	3,040	816	1,150	1,000	2,240	2,280	1,700	255	123	149	1,540
MIN	50	85	80	74	70	131	131	72	40	24	15	12
CFSM	2.16	6.07	3.21	3.68	2.78	7.20	6.41	4.23	2.05	0.76	0.75	4.97
IN.	2.49	6.77	3.70	4.25	2.99	8.30	7.15	4.88	2.29	0.88	0.87	5.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	120	215	147	178	185	409	363	285	167	120	52.2	219
MAX	218	365	193	222	285	523	386	305	321	213	73.6	299
(WY)	(2003)	(2004)	(2004)	(2004)	(2003)	(2003)	(2004)	(2003)	(2003)	(2002)	(2003)	(2004)
MIN	12.4	13.9	66.8	138	105	272	327	255	56.2	46.0	37.6	82.1
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2003)	(2004)	(2002)	(2004)	(2002)	(2002)

03067510 SHAVERS FORK NEAR CHEAT BRIDGE, WV—Continued

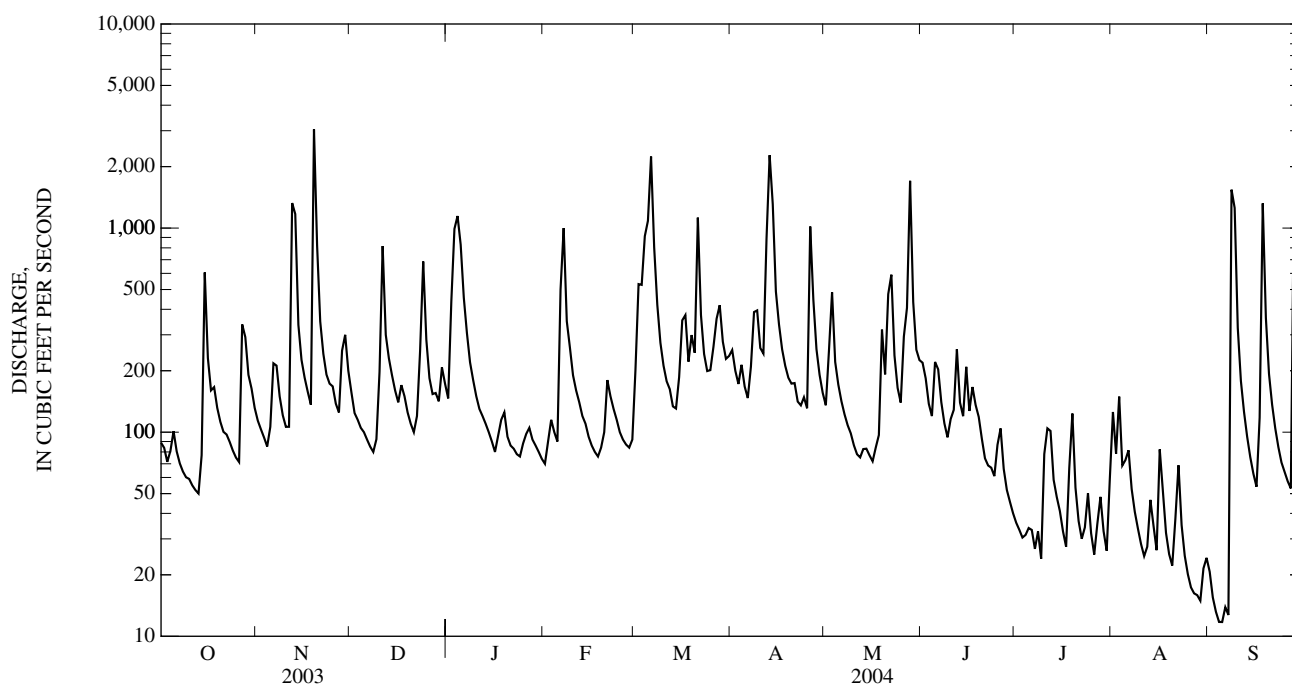
SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	93,095		81,108		205	
ANNUAL MEAN	255		222		253	2003
HIGHEST ANNUAL MEAN					139	2002
LOWEST ANNUAL MEAN					3,040	Nov 19, 2003
HIGHEST DAILY MEAN	3,040	Nov 19	3,040	Nov 19	4.2	Sep 13, 2002
LOWEST DAILY MEAN	25	Aug 26	12	(b)	5.3	Sep 9, 2002
ANNUAL SEVEN-DAY MINIMUM	31	Jan 22	14	Sep 1	7,600	Nov 19, 2003
MAXIMUM PEAK FLOW			7,600	Nov 19	15.57	Nov 19, 2003
MAXIMUM PEAK STAGE			15.57	Nov 19	4.1	(c)
INSTANTANEOUS LOW FLOW			11	(b)	3.40	
ANNUAL RUNOFF (CFSM)	4.24		3.68		46.20	
ANNUAL RUNOFF (INCHES)	57.53		50.12		433	
10 PERCENT EXCEEDS	519		435		116	
50 PERCENT EXCEEDS	156		122		22	
90 PERCENT EXCEEDS	47		34			

a Ice affected stage.

b Sept. 4, 5.

c Sept. 13, 14, 2002.

e Estimated.



03068800 SHAVERS FORK BELOW BOWDEN, WV

LOCATION.--Lat 38°54'47", long 79°46'14", NAD 27, Randolph County, Hydrologic Unit 05020004, on upstream side of right pier, on County Route 33/8 bridge, 3.0 mi west of Bowden, and at mile 26.4.

DRAINAGE AREA.--151 mi².

PERIOD OF RECORD.--August 1973 to September 1981, October 1997 to current year. Once daily wire-weight gage readings at same site November 1971 to August 1973 are contained in files of Bowden National Fish Hatchery.

GAGE.--Water-stage recorder with satellite telemeter. Elevation of gage is approximately 2,120 ft above NGVD 29, from topographic map.

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

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 13	0500	7,420	9.26	Apr 13	2200	10,700	10.14
Nov 19	1800	*22,900	*12.37	May 28	1000	6,970	9.12
Feb 7	0200	3,800	7.90	Sep 8	2400	8,730	9.64
Mar 6	1000	8,230	9.50	Sep 18	1100	4,180	8.08
Apr 13	0200	4,180	8.08	Sep 28	2000	6,540	8.98

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	347	332	441	472	e185	258	641	380	669	115	169	133
2	359	292	382	805	e210	628	640	356	540	100	199	81
3	288	261	311	2,080	290	1,260	571	788	416	89	174	60
4	287	235	294	2,360	298	1,880	715	538	333	106	191	48
5	381	302	291	2,120	231	2,220	585	403	341	103	145	40
6	321	718	278	1,470	e1,200	5,300	486	340	433	99	149	35
7	268	702	244	874	2,540	2,350	627	296	329	90	138	32
8	235	547	205	613	994	1,280	1,200	272	254	79	102	615
9	211	424	223	530	629	858	1,290	241	211	68	83	2,780
10	191	352	255	414	502	647	879	214	193	248	70	803
11	174	312	1,650	333	410	533	690	192	367	507	61	412
12	158	1,950	864	328	349	484	809	188	944	262	62	317
13	147	3,710	562	304	313	403	4,300	190	512	630	129	234
14	156	1,130	474	266	276	354	3,910	203	357	425	130	186
15	831	722	398	243	243	399	1,440	196	454	283	92	152
16	694	555	343	204	221	616	989	192	353	211	71	128
17	435	451	431	217	206	1,030	733	220	382	164	104	118
18	384	372	402	275	198	677	583	488	628	174	94	2,150
19	337	7,300	332	318	195	859	478	1,010	611	301	66	1,020
20	284	2,820	294	253	231	712	412	877	390	237	55	507
21	248	1,090	256	223	443	2,120	381	836	278	157	63	343
22	232	744	260	212	442	1,170	336	1,780	292	122	121	260
23	229	569	407	e200	326	739	296	837	323	107	120	209
24	204	478	1,300	e190	311	606	345	547	249	117	75	173
25	184	452	1,070	224	274	e560	349	403	277	120	56	148
26	171	374	651	239	240	e520	2,180	467	398	106	45	131
27	301	328	500	263	220	638	1,530	1,080	280	509	39	118
28	900	372	439	242	218	911	816	3,650	200	251	36	1,680
29	541	778	423	218	218	665	587	1,720	162	186	39	1,990
30	490	526	578	e205	---	537	458	883	135	139	74	741
31	395	---	590	e195	---	511	---	721	---	122	273	---
TOTAL	10,383	29,198	15,148	16,890	12,413	31,725	29,256	20,508	11,311	6,227	3,225	15,644
MEAN	335	973	489	545	428	1,023	975	662	377	201	104	521
MAX	900	7,300	1,650	2,360	2,540	5,300	4,300	3,650	944	630	273	2,780
MIN	147	235	205	190	185	258	296	188	135	68	36	32
CFSM	2.22	6.45	3.24	3.61	2.83	6.78	6.46	4.38	2.50	1.33	0.69	3.45
IN.	2.56	7.19	3.73	4.16	3.06	7.82	7.21	5.05	2.79	1.53	0.79	3.85

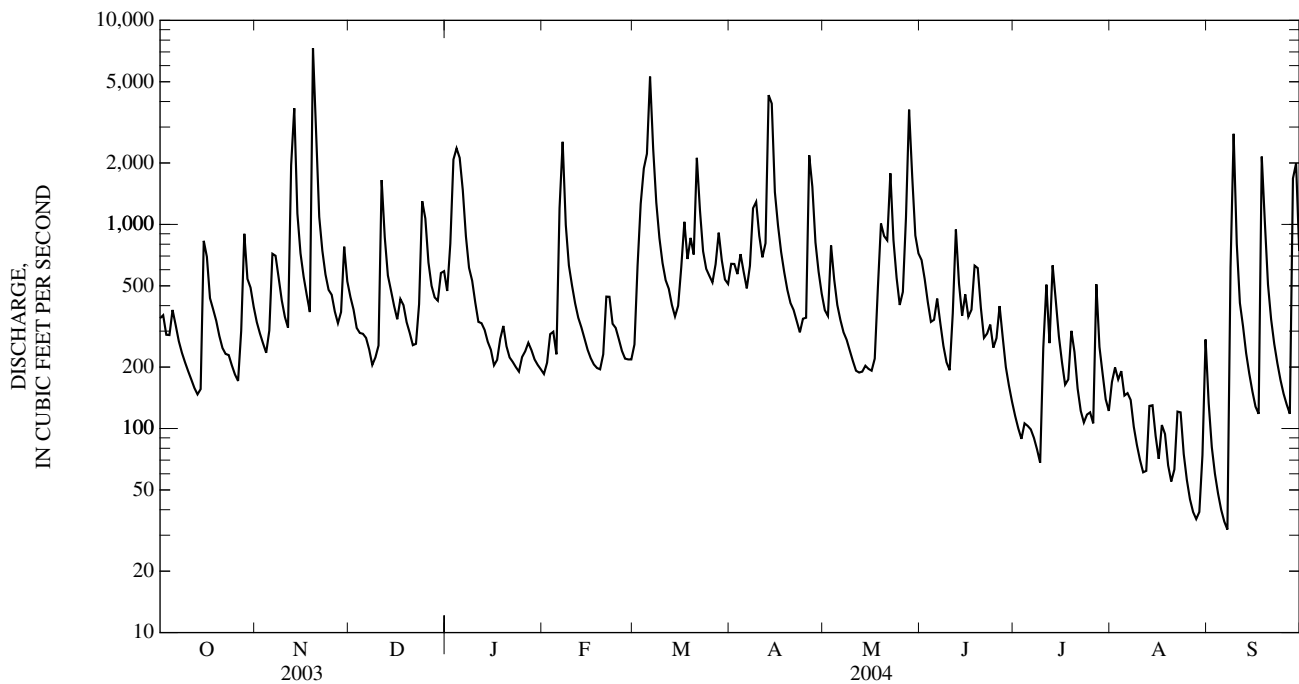
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2004, BY WATER YEAR (WY)

MEAN	287	377	470	527	561	813	674	522	431	275	204	242
MAX	913	973	952	1,095	1,054	1,261	1,162	918	978	460	438	724
(WY)	(1977)	(2004)	(1974)	(1999)	(2000)	(2003)	(2002)	(2003)	(1974)	(1980)	(1979)	(2003)
MIN	31.6	32.1	177	77.8	121	422	264	201	63.3	43.2	25.8	37.4
(WY)	(2002)	(2002)	(2002)	(1977)	(1978)	(1976)	(1976)	(1977)	(1999)	(1999)	(1999)	(1999)

03068800 SHAVERS FORK BELOW BOWDEN, WV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1973 - 2004	
ANNUAL TOTAL	231,670		201,928		449	
ANNUAL MEAN	635		552		637	
HIGHEST ANNUAL MEAN					321	
LOWEST ANNUAL MEAN					9,010	
HIGHEST DAILY MEAN	7,300	Nov 19	7,300	Nov 19	9,010	Feb 19, 2000
LOWEST DAILY MEAN	71	(a)	32	Sep 7	9.5	Sep 14, 2002
ANNUAL SEVEN-DAY MINIMUM	79	Jan 22	52	Aug 24	11	Sep 10, 2002
MAXIMUM PEAK FLOW			22,900	Nov 19	(b)22,900	Nov 19, 2003
MAXIMUM PEAK STAGE			12.37	Nov 19	12.37	Nov 19, 2003
INSTANTANEOUS LOW FLOW			31	(c)	9.1	(d)
ANNUAL RUNOFF (CFSM)	4.20		3.65		2.97	
ANNUAL RUNOFF (INCHES)	57.07		49.75		40.36	
10 PERCENT EXCEEDS	1,330		1,080		970	
50 PERCENT EXCEEDS	402		334		270	
90 PERCENT EXCEEDS	118		116		63	

- a Jan. 28 (estimated for ice effect), July 27.
b From rating curve extended above 6,700 ft³/s.
c Sept. 7, 8.
d Sept. 14, 15, 2002.
e Estimated.



03069500 CHEAT RIVER NEAR PARSONS, WV

LOCATION.--Lat 39°07'22", long 79°40'53", NAD 27, Tucker County, Hydrologic Unit 05020004, on left bank 2.0 mi north of Parsons, 3.0 mi downstream from confluence of Black Fork and Shavers Fork, and at mile 75.2.

DRAINAGE AREA.--722 mi².

PERIOD OF RECORD.--January 1913 to current year. Monthly discharge only for some periods, published in WSP 1305.

REVISED RECORDS.--WSP 893: Drainage area. WSP 1305: 1917(M), 1924(M), 1932(M), 1936(M), 1938-39(M). WSP 1335: 1916. WSP 1385: 1918-19(M). WDR WV-97-1: Drainage area, 1888(M), 1914(P), 1915-16(M), 1917(P), 1924(P), 1939(P), 1940(M), 1942(M), 1948-49(M), 1955-57(M), 1962-64(M), 1967(M), 1971-73(M), 1977(M).

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 1,589.66 ft above mean sea level, adjustment of 1912. Prior to Aug. 17, 1944, nonrecording gage on Moss Bridge about 1,600 ft upstream at datum 1.13 ft higher. Nov. 21, 1985, to Sept. 30, 1986, recording gage on Moss Bridge at datum 1.27 ft lower.

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

EXTREMES OUTSIDE PERIOD OF RECORD--Flood of 1844 was about 85,000 ft³/s. Flood of July 10, 1888, reached a stage of 20.5 ft, discharge, 71,000 ft³/s, from floodmarks, at site and datum in use prior to Aug. 17, 1944; it was not exceeded until flood of Oct. 15, 1954, which reached a stage 0.3 ft higher at that site and datum.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 16,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 12	1700	18,100	10.33	Mar 6	1100	22,900	11.36
Nov 19	2300	*31,100	*12.87	Apr 14	0300	19,400	10.61
Feb 6	2300	23,800	11.53	May 28	1400	16,400	9.92

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,370	1,400	2,230	2,370	e880	1,220	2,050	1,590	2,610	463	1,990	414
2	1,480	1,220	1,920	3,580	e840	3,550	2,940	1,410	2,070	408	1,310	271
3	1,170	1,070	1,600	8,320	2,930	6,800	2,830	2,590	1,610	386	882	193
4	1,170	945	1,450	8,360	3,830	11,500	4,100	2,190	1,280	666	721	154
5	1,550	1,190	1,370	7,570	2,900	10,300	3,210	1,700	1,190	1,050	771	133
6	1,320	3,000	1,300	6,310	15,000	19,000	2,590	1,440	1,280	585	681	116
7	1,080	2,960	1,140	3,810	15,300	11,300	3,360	1,210	1,050	433	524	103
8	917	2,340	952	2,650	6,480	6,450	6,590	1,250	805	367	417	1,650
9	792	1,800	972	2,250	3,900	4,250	6,390	1,010	664	321	341	8,300
10	710	1,490	1,070	1,670	2,880	3,130	4,330	837	621	291	288	3,320
11	644	1,310	5,960	1,250	2,230	2,590	3,170	726	2,350	1,340	250	1,570
12	588	10,500	4,510	e1,050	1,810	2,400	3,000	752	9,940	838	259	984
13	543	13,600	2,870	e940	1,560	2,020	9,260	1,380	3,810	2,090	504	720
14	521	5,860	2,290	e840	1,370	1,730	13,800	1,470	2,120	1,930	510	554
15	2,690	3,500	1,940	e740	1,200	1,980	6,530	1,180	2,090	1,160	372	458
16	2,930	2,550	1,570	692	987	2,710	4,170	1,090	2,290	790	287	390
17	1,920	2,050	1,850	633	914	4,450	2,980	1,030	2,550	584	240	351
18	1,690	1,670	2,020	1,090	884	3,240	2,300	1,390	9,060	516	260	4,740
19	1,470	10,200	1,730	1,470	827	4,280	1,850	5,490	5,930	570	223	3,470
20	1,220	13,900	1,500	1,100	970	3,900	1,550	4,940	3,280	615	194	1,590
21	1,040	5,520	1,250	874	2,780	9,440	1,390	3,630	1,970	431	309	1,030
22	950	3,410	1,260	e780	2,780	6,100	1,220	6,760	1,520	348	478	752
23	983	2,490	2,200	700	1,950	3,740	1,080	3,920	1,930	382	394	593
24	886	2,040	6,950	653	1,710	2,840	1,240	2,380	1,430	393	283	487
25	760	1,950	5,950	e600	1,500	2,410	1,350	1,670	1,050	324	208	419
26	691	1,620	3,500	e630	1,300	2,250	7,550	1,750	1,290	314	167	373
27	957	1,400	2,470	678	1,150	2,120	7,360	3,270	1,090	3,810	145	336
28	2,860	1,920	2,040	1,580	1,030	2,300	3,950	11,900	778	2,150	132	1,680
29	2,240	3,600	1,890	e1,150	1,060	1,930	2,600	7,850	644	1,120	122	6,600
30	2,040	2,580	2,780	e1,000	---	1,620	1,970	4,090	544	714	182	2,670
31	1,660	---	3,060	e940	---	1,590	---	2,820	---	788	455	---
TOTAL	40,842	109,085	73,594	66,280	82,952	143,140	116,710	84,715	68,846	26,177	13,899	44,421
MEAN	1,317	3,636	2,374	2,138	2,860	4,617	3,890	2,733	2,295	844	448	1,481
MAX	2,930	13,900	6,950	8,360	15,300	19,000	13,800	11,900	9,940	3,810	1,990	8,300
MIN	521	945	952	600	827	1,220	1,080	726	544	291	122	103
CFSM	1.82	5.04	3.29	2.96	3.96	6.40	5.39	3.78	3.18	1.17	0.62	2.05
IN.	2.10	5.62	3.79	3.41	4.27	7.38	6.01	4.36	3.55	1.35	0.72	2.29

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2004, BY WATER YEAR (WY)

	MEAN	887	1,433	2,069	2,331	2,596	3,261	2,583	2,046	1,265	940	850	630
MAX	3,882	7,540	4,969	5,217	6,223	8,028	6,272	7,187	4,013	4,228	3,203	3,093	
(WY)	(1977)	(1986)	(1973)	(1996)	(1994)	(1963)	(1958)	(1996)	(1974)	(1996)	(1942)	(2003)	
MIN	18.6	37.5	387	370	459	441	668	443	188	89.3	34.9	23.3	
(WY)	(1931)	(1931)	(1931)	(1977)	(1978)	(1915)	(1921)	(1930)	(1991)	(1930)	(1930)	(1930)	

03069500 CHEAT RIVER NEAR PARSONS, WV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1913 - 2004	
ANNUAL TOTAL	963,954		870,661		1,736	
ANNUAL MEAN	2,641		2,379		3,124	
HIGHEST ANNUAL MEAN					1,111	
LOWEST ANNUAL MEAN					70,000	
HIGHEST DAILY MEAN	25,300	Sep 19	19,000	Mar 6	11	Nov 5, 1985
LOWEST DAILY MEAN	237	Jul 27	103	Sep 7	10	Aug 12, 1930
ANNUAL SEVEN-DAY MINIMUM	332	Aug 2	177	Aug 24	11	Oct 9, 1930
MAXIMUM PEAK FLOW			31,100	Nov 19	(a)170,000	Nov 5, 1985
MAXIMUM PEAK STAGE			12.87	Nov 19	(b)24.30	Nov 5, 1985
INSTANTANEOUS LOW FLOW			100	(c)	(d)9.0	Aug 12, 1930
ANNUAL RUNOFF (CFSM)	3.66		3.29		2.40	
ANNUAL RUNOFF (INCHES)	49.67		44.86		32.66	
10 PERCENT EXCEEDS	6,040		5,940		4,000	
50 PERCENT EXCEEDS	1,780		1,500		972	
90 PERCENT EXCEEDS	460		392		177	

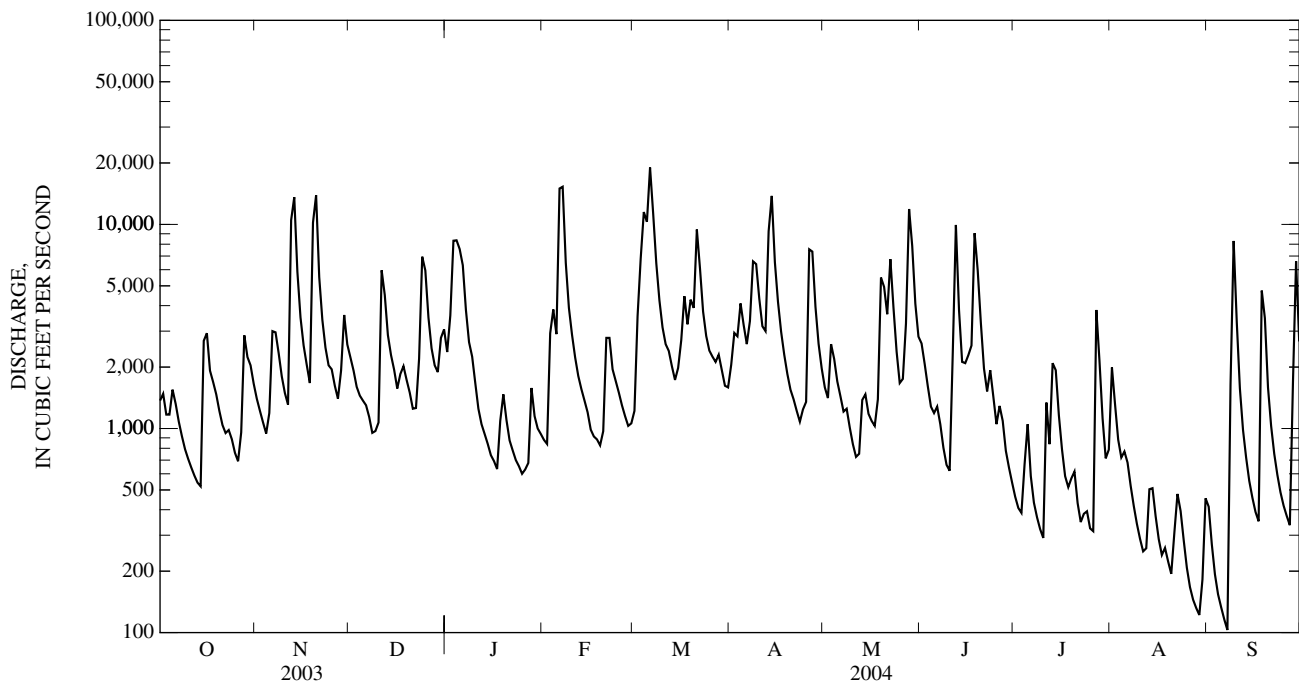
a From rating curve extended above 55,000 ft³/s.

b From floodmarks.

c Sept. 7, 8.

d Observed.

e Estimated.



03069870 CHEAT RIVER AT HWY 50 NEAR ROWLESBURG, WV

LOCATION.--Lat 39°19'11", long 79°39'25", NAD 27, Preston County, Hydrologic Unit 05020004, on left bank at WV Route 50 Highway bridge at Macomber, 3 mi upstream from Rowlesburg, and at mile 48.6.

DRAINAGE AREA.--912 mi².

PERIOD OF RECORD.--October 1997 to current year.

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 1,405.00 ft above NGVD 29.

REMARKS.--Records good except those above 20,000 ft³/s which are fair, and those for periods of estimated daily discharges, (no gage-height record, ice effect), which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 19,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 12	1900	23,200	11.74	Mar 6	1600	26,100	12.23
Nov 20	0200	*29,700	*12.83	Apr 14	0500	21,600	11.44
Feb 6	1800	29,300	12.76	Jun 12	0700	19,700	11.08

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,040	2,080	3,580	3,880	e1,150	1,540	2,850	2,430	3,910	650	2,280	724
2	2,330	1,730	3,060	4,490	e1,100	3,490	5,900	2,040	3,220	569	2,000	484
3	1,890	1,480	2,480	10,900	2,340	9,510	5,350	2,950	2,580	504	1,200	340
4	1,640	1,280	2,070	11,400	4,970	13,300	7,570	3,420	2,020	595	865	262
5	2,130	1,420	1,890	10,600	3,990	13,900	5,950	2,530	1,780	1,100	819	217
6	2,020	5,150	1,750	10,400	18,800	21,300	4,420	2,100	1,780	896	919	179
7	1,590	5,200	e1,350	6,390	20,900	16,100	4,620	1,770	1,560	622	669	165
8	1,300	4,070	e1,150	4,220	10,400	10,200	8,750	1,760	1,170	505	554	288
9	1,090	2,920	1,230	3,350	6,300	6,920	9,050	1,570	922	454	450	10,000
10	945	2,250	1,290	2,610	4,570	5,020	6,480	1,280	794	405	377	5,670
11	846	1,880	6,750	1,780	3,480	4,020	4,680	1,090	1,440	954	330	2,550
12	766	14,200	7,570	e1,400	2,750	3,570	3,890	988	14,500	1,280	312	1,420
13	700	17,500	4,670	e1,250	2,310	3,040	12,200	1,560	6,850	1,670	461	997
14	676	9,230	3,480	e1,100	1,990	2,490	17,900	1,910	3,640	2,680	611	750
15	2,280	5,510	2,840	e960	1,730	2,500	10,200	1,720	2,840	1,590	520	609
16	4,520	3,770	2,160	e860	1,400	e3,700	6,650	1,430	2,480	1,090	418	521
17	2,880	2,890	2,200	e800	1,230	e5,600	4,690	1,400	4,630	807	334	472
18	2,320	2,280	2,820	1,470	1,190	e4,300	3,460	1,470	12,800	663	287	3,940
19	2,060	7,880	2,430	e1,900	1,100	e5,500	2,690	6,690	10,200	693	322	5,730
20	1,680	19,400	2,070	e1,500	1,240	e5,000	2,170	8,170	5,720	762	274	2,440
21	1,420	8,790	1,720	e1,200	3,600	e12,000	1,870	5,480	e3,400	640	418	1,410
22	1,250	5,350	1,570	e1,000	4,850	e9,000	1,630	e8,600	e2,100	501	769	978
23	1,210	3,690	2,570	e900	3,190	6,060	1,430	e4,500	e2,600	457	596	754
24	1,140	2,870	10,100	e830	2,590	4,380	1,430	e3,000	e1,900	511	472	619
25	970	2,640	10,100	e760	2,240	3,510	1,500	e2,600	e1,500	458	345	528
26	871	2,190	5,970	e800	1,880	3,140	6,730	2,220	1,470	412	267	464
27	1,020	1,820	3,980	e900	1,640	2,920	11,100	4,000	1,540	3,620	220	417
28	3,620	2,090	3,110	e1,500	1,440	2,960	6,430	13,300	1,100	3,480	191	419
29	3,490	6,360	2,730	e1,400	1,380	2,740	4,190	11,700	891	1,730	241	7,600
30	3,130	4,540	3,720	e1,300	---	2,210	3,080	6,690	761	1,050	255	3,870
31	2,580	---	5,240	e1,250	---	2,070	---	4,450	---	939	685	---
TOTAL	56,404	152,460	107,650	93,100	115,750	191,990	168,860	114,818	102,098	32,287	18,461	54,817
MEAN	1,819	5,082	3,473	3,003	3,991	6,193	5,629	3,704	3,403	1,042	596	1,827
MAX	4,520	19,400	10,100	11,400	20,900	21,300	17,900	13,300	14,500	3,620	2,280	10,000
MIN	676	1,280	1,150	760	1,100	1,540	1,430	988	761	405	191	165
CFSM	2.00	5.58	3.81	3.30	4.38	6.80	6.18	4.07	3.74	1.14	0.65	2.01
IN.	2.30	6.23	4.40	3.80	4.73	7.84	6.90	4.69	4.17	1.32	0.75	2.24

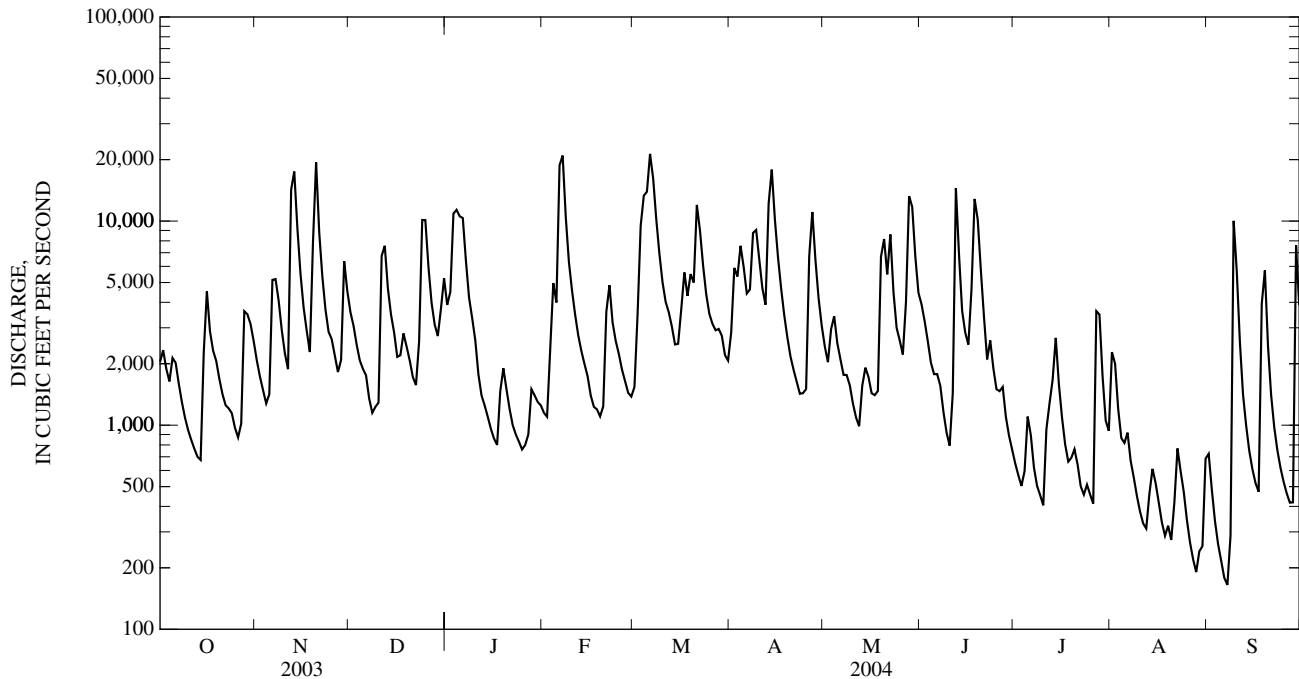
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

	1998	1999	2000	2001	2002	2003	2004
MEAN	933	2,167	2,250	3,225	3,783	4,990	4,664
MAX	2,010	5,082	3,473	5,751	5,499	6,894	5,929
(WY)	(2003)	(2004)	(2004)	(1998)	(2000)	(2003)	(2002)
MIN	142	156	797	1,382	1,524	3,340	4,107
(WY)	(2002)	(2002)	(1999)	(2000)	(2002)	(2000)	(1998)

03069870 CHEAT RIVER AT HWY 50 NEAR ROWLESBURG, WV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	1,344,735		1,208,695		2,619	
ANNUAL MEAN	3,684		3,302		1,759	
HIGHEST ANNUAL MEAN					3,578	
LOWEST ANNUAL MEAN					1,759	
HIGHEST DAILY MEAN	20,900	Feb 23	21,300	Mar 6	33,200	Feb 19, 2000
LOWEST DAILY MEAN	333	Jul 27	165	Sep 7	38	Aug 25, 1999
ANNUAL SEVEN-DAY MINIMUM	436	Jul 22	276	Sep 2	47	Aug 21, 1999
MAXIMUM PEAK FLOW			29,700	Nov 20	43,800	Feb 19, 2000
MAXIMUM PEAK STAGE			12.83	Nov 20	16.02	Feb 19, 2000
INSTANTANEOUS LOW FLOW			147	Sep 7	36	Aug 25, 1999
ANNUAL RUNOFF (CFSM)	4.04		3.63		2.87	
ANNUAL RUNOFF (INCHES)	54.91		49.36		39.06	
10 PERCENT EXCEEDS	9,340		7,970		6,430	
50 PERCENT EXCEEDS	2,390		2,060		1,480	
90 PERCENT EXCEEDS	666		505		214	

e Estimated.



REVISIONS.--The peak discharges and annual maximum (*) reported for water years 1998-2003 have been revised as shown in the following table. They supercede figures published in the reports for 1998-2003:

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
03-21-98	1300	22,000	11.52	03-20-02	1700	*43,800	*14.83
06-19-98	2300	27,100	12.40	04-22-02	1400	31,700	13.14
06-29-98	1030	24,500	11.97	04-29-02	0100	29,300	12.76
01-22-99	0700	*21,000	*11.33	02-23-03	1200	25,400	12.12
02-19-00	0900	*53,400	*16.02	05-11-03	0500	28,000	12.55
09-26-00	0500	21,600	11.45	07-08-03	1800	21,600	11.44
07-29-01	1400	*31,200	*13.06	09-04-03	0900	22,800	11.67
01-24-02	1900	21,000	11.34	09-19-03	1300	36,100	13.79

03070500 BIG SANDY CREEK AT ROCKVILLE, WV

LOCATION.--Lat 39°37'18", long 79°42'18", NAD 27, Preston County, Hydrologic Unit 05020004, on right bank just downstream from highway bridge at Rockville, and at mile 5.0.

DRAINAGE AREA.--200 mi².

PERIOD OF RECORD.--May 1909 to March 1918, April 1921 to current year.

REVISED RECORDS.--WSP 583: 1912(M), 1922-23. WSP 643: Drainage area. WSP 923: 1939. WSP 1173: 1930-34(M,m). WSP 1335: 1910-18, 1921, 1922-24(M), 1928(M), 1930-43(M). WDR WV-97-1: 1922(P), 1924(P).

GAGE.--Water-stage recorder with satellite telemeter. Elevation of gage is approximately 1,310 ft above NGVD 29, from topographic map. Prior to Oct. 4, 1924, nonrecording gages at highway bridge at same datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 10, 1888, reached a stage of about 20 ft, discharge, about 30,000 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 12	0900	8,450	12.41	Apr 13	1700	7,900	12.11
Nov 19	1800	*8,930	*12.66	May 22	0400	5,210	10.49
Jan 5	1400	5,030	10.37	Aug 21	1100	6,420	11.26
Mar 6	0800	5,680	10.80	Sep 18	0800	4,850	10.25

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	513	349	619	683	e220	623	649	348	264	81	283	183
2	472	317	528	1,040	e210	1,240	1,200	337	185	69	171	126
3	383	278	445	1,230	e1,200	1,410	1,210	365	386	61	124	98
4	409	247	399	2,000	e1,700	1,380	1,170	310	248	57	100	82
5	445	453	388	3,680	e960	1,260	950	287	243	58	121	74
6	360	958	366	2,080	e4,000	4,460	819	259	227	50	99	64
7	303	710	316	1,140	3,500	2,280	712	232	186	45	72	56
8	254	553	272	805	1,540	1,680	614	351	147	44	60	511
9	218	445	258	637	999	1,160	558	291	120	42	52	2,030
10	190	375	297	434	796	929	456	249	112	34	72	1,160
11	166	353	1,530	386	677	800	397	213	266	31	141	596
12	148	5,450	1,160	e320	573	702	590	188	1,460	69	83	385
13	135	2,300	762	e280	520	576	4,680	189	753	153	108	273
14	138	1,140	642	e240	456	496	3,530	369	534	80	85	206
15	601	773	539	e210	405	460	1,510	233	385	50	62	170
16	454	594	427	177	306	593	979	289	1,190	42	52	139
17	359	481	432	196	e290	787	733	217	1,620	35	46	309
18	423	398	412	404	284	664	588	542	1,040	45	40	3,390
19	368	4,720	379	465	305	1,030	482	3,050	667	124	215	1,240
20	315	3,690	355	348	413	997	406	1,320	468	66	185	686
21	277	1,470	287	e290	1,250	2,150	357	1,320	332	45	3,450	467
22	264	952	339	e240	948	1,240	319	3,560	369	37	1,290	335
23	263	702	656	e210	728	863	319	1,320	495	35	573	254
24	222	586	2,070	e180	704	674	285	780	288	38	347	205
25	193	505	1,460	e160	615	567	243	542	210	37	235	172
26	182	412	928	e180	533	465	797	432	181	65	173	147
27	435	359	678	e270	471	435	854	339	143	1,310	139	124
28	671	472	554	e340	454	401	619	315	113	878	114	145
29	549	819	497	e270	510	344	481	335	121	399	98	187
30	474	658	872	e250	---	327	395	229	103	241	166	131
31	395	---	864	e240	---	347	---	223	---	219	393	---
TOTAL	10,579	31,519	19,731	19,385	25,567	31,340	26,902	19,034	12,856	4,540	9,149	13,945
MEAN	341	1,051	636	625	882	1,011	897	614	429	146	295	465
MAX	671	5,450	2,070	3,680	4,000	4,460	4,680	3,560	1,620	1,310	3,450	3,390
MIN	135	247	258	160	210	327	243	188	103	31	40	56
CFSM	1.71	5.25	3.18	3.13	4.41	5.05	4.48	3.07	2.14	0.73	1.48	2.32
IN.	1.97	5.86	3.67	3.61	4.76	5.83	5.00	3.54	2.39	0.84	1.70	2.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 2004, BY WATER YEAR (WY)

	168	338	552	634	696	811	640	493	294	178	136	129
MAX	853	1,540	1,241	1,749	1,766	1,742	1,318	1,102	1,115	1,071	1,035	734
(WY)	(1912)	(1986)	(1973)	(1937)	(1918)	(1963)	(1940)	(1921)	(1941)	(1912)	(1956)	(1911)
MIN	0.33	2.32	39.1	81.5	106	213	207	81.7	25.0	7.93	6.05	1.13
(WY)	(1954)	(1954)	(1954)	(1977)	(1934)	(1987)	(1946)	(1926)	(1953)	(1953)	(1953)	(1953)

03070500 BIG SANDY CREEK AT ROCKVILLE, WV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1909 - 2004	
ANNUAL TOTAL	249,446		224,547		421	
ANNUAL MEAN	683		614		671	
HIGHEST ANNUAL MEAN					240	
LOWEST ANNUAL MEAN					15,700	
HIGHEST DAILY MEAN	(e)6,600	Jul 9	5,450	Nov 12	Jan 13, 1911	
LOWEST DAILY MEAN	23	Aug 26	31	Jul 11	(a)	
ANNUAL SEVEN-DAY MINIMUM	34	Aug 20	43	Jul 5	Oct 21, 1953	
MAXIMUM PEAK FLOW			8,930	Nov 19	(b)21,300	
MAXIMUM PEAK STAGE			12.66	Nov 19	(c)18.00	
INSTANTANEOUS LOW FLOW			28	Jul 26	0.10	
ANNUAL RUNOFF (CFSM)	3.42		3.07		2.10	
ANNUAL RUNOFF (INCHES)	46.40		41.77		28.57	
10 PERCENT EXCEEDS	1,590		1,270		989	
50 PERCENT EXCEEDS	389		381		215	
90 PERCENT EXCEEDS	101		83		20	

a Oct. 21-27, 1953.

b From rating curve extended above 10,000 ft³/s on basis of velocity-area studies.

c Observed.

e Estimated.

