

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 NGVD 12. 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 period of estimated daily discharges (ice effect), 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)
Mar 24	1100	*5,860	*10.79	No other peak greater than base discharge.			

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	240	155	1,450	168	158	338	575	2,500	130	20	61	53
2	167	133	1,540	162	180	300	767	1,290	109	37	68	53
3	135	142	819	157	201	260	1,230	752	104	32	54	39
4	100	630	501	344	205	232	1,140	476	103	23	38	30
5	79	1,560	354	960	185	291	1,010	344	88	17	30	25
6	65	744	285	964	182	312	736	276	75	16	24	19
7	55	435	343	1,040	241	570	525	239	64	17	198	16
8	48	296	611	979	432	2,060	1,270	214	58	874	95	14
9	42	216	632	1,020	768	1,440	1,060	180	60	338	125	12
10	37	170	1,170	718	1,230	820	669	156	66	142	302	10
11	33	143	1,240	490	895	586	461	170	71	83	157	9.4
12	31	205	1,220	405	594	485	352	176	56	60	92	8.3
13	29	443	884	348	455	403	292	145	45	83	63	7.3
14	30	372	619	1,170	505	359	242	128	39	137	48	7.1
15	34	296	468	1,210	891	388	199	270	35	136	38	6.2
16	46	241	381	744	810	414	165	284	32	184	36	5.4
17	78	195	352	503	764	373	143	222	31	354	90	5.3
18	74	193	302	341	565	352	131	183	28	337	62	4.9
19	61	216	279	317	406	446	121	155	25	366	53	4.5
20	327	347	234	282	343	663	112	1,730	23	526	82	4.4
21	487	370	244	234	373	699	104	1,840	20	268	85	4.2
22	236	324	225	e190	1,430	568	110	786	18	212	53	4.2
23	168	280	536	e150	999	1,010	222	567	17	144	39	4.1
24	206	264	1,200	e175	669	4,390	296	941	15	99	31	4.0
25	317	770	715	e185	492	1,530	389	886	14	74	26	3.6
26	241	842	468	e190	386	926	899	636	12	64	22	3.5
27	179	553	341	e135	324	770	866	430	11	59	24	3.8
28	156	589	249	e130	316	1,450	569	315	11	68	101	3.6
29	146	625	238	e160	---	2,680	398	252	22	71	83	3.5
30	196	477	199	e170	---	1,470	1,320	196	25	66	56	5.4
31	184	---	178	183	---	876	---	159	---	49	45	---
TOTAL	4,227	12,226	18,277	14,224	14,999	27,461	16,373	16,898	1,407	4,956	2,281	373.7
MEAN	136	408	590	459	536	886	546	545	46.9	160	73.6	12.5
MAX	487	1,560	1,540	1,210	1,430	4,390	1,320	2,500	130	874	302	53
MIN	29	133	178	130	158	232	104	128	11	16	22	3.5
CFSM	0.74	2.20	3.19	2.48	2.90	4.79	2.95	2.95	0.25	0.86	0.40	0.07
IN.	0.85	2.46	3.68	2.86	3.02	5.52	3.29	3.40	0.28	1.00	0.46	0.08

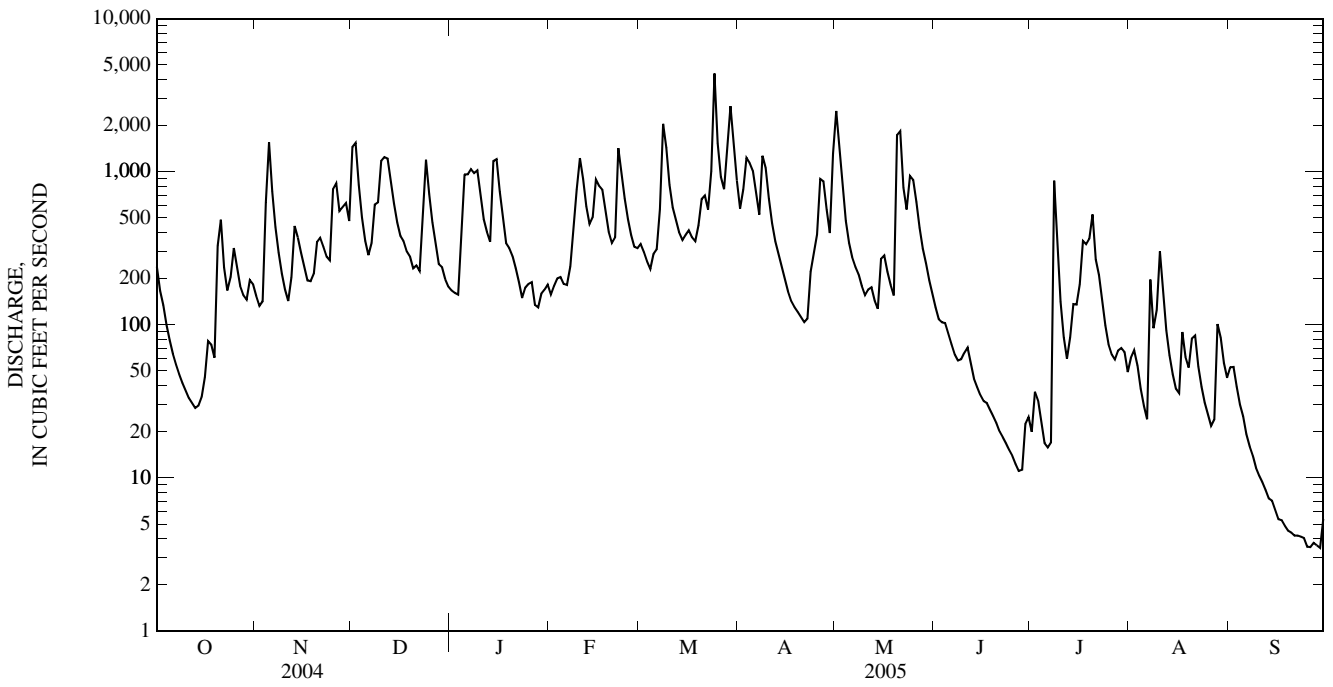
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2005, BY WATER YEAR (WY)

MEAN	123	247	446	548	596	720	523	455	237	162	156	90.9
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1915 - 2005	
ANNUAL TOTAL	155,569.3		133,702.7		358	
ANNUAL MEAN	425		366		611	
HIGHEST ANNUAL MEAN					182	
LOWEST ANNUAL MEAN					1941	
HIGHEST DAILY MEAN	6,040	Feb 7	4,390	Mar 24	11,700	May 17, 1996
LOWEST DAILY MEAN	5.0	Sep 7	3.5	(a)	0.00	(b)
ANNUAL SEVEN-DAY MINIMUM	7.6	Sep 1	3.7	Sep 23	0.00	Sep 12, 1930
MAXIMUM PEAK FLOW			5,860	Mar 24	19,900	May 17, 1996
MAXIMUM PEAK STAGE			10.79	Mar 24	(c)17.20	Feb 4, 1932
INSTANTANEOUS LOW FLOW			3.4	(d)	0.00	(b)
ANNUAL RUNOFF (CFSM)	2.30		1.98		1.94	
ANNUAL RUNOFF (INCHES)	31.28		26.89		26.31	
10 PERCENT EXCEEDS	888		932		854	
50 PERCENT EXCEEDS	237		205		167	
90 PERCENT EXCEEDS	32		20		18	

- a Sept. 26, 29.
- b Sept. 12 to Nov. 30, 1930, Sept. 29 to Nov. 5, 1953.
- c From floodmarks.
- d Sept. 25, 26, 29.
- 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 NGVD 12. Prior to Apr. 25, 1939, nonrecording gage at site 0.2 mi upstream at same datum.

REMARKS.--Records good except those for period 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)
Mar 25	0100	*7,130	*11.61	May 20	2400	6,340	10.96
Mar 29	1400	6,790	11.33				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	497	477	2,370	414	462	931	1,400	5,300	316	22	109	105
2	336	387	3,750	389	485	852	1,730	3,270	263	23	94	131
3	269	452	1,940	376	553	727	2,900	1,780	244	33	104	95
4	237	1,310	1,220	588	585	628	2,570	1,150	230	61	91	86
5	196	3,770	873	2,520	561	690	2,130	808	195	82	82	63
6	166	2,000	712	2,890	537	729	1,660	625	179	68	71	45
7	115	1,160	758	2,300	607	1,360	1,230	523	169	68	57	31
8	108	787	1,120	2,060	904	4,790	3,010	468	150	984	145	30
9	104	565	1,320	2,150	1,560	4,200	2,790	403	153	1,110	144	28
10	97	454	2,160	1,640	3,070	2,040	1,640	336	269	393	194	25
11	86	389	2,570	1,160	2,470	1,450	1,140	356	236	209	298	23
12	77	498	2,460	938	1,520	1,240	853	550	250	146	169	19
13	75	1,200	1,970	848	1,170	1,020	686	451	188	126	126	15
14	89	1,070	1,500	1,830	1,390	851	561	361	147	277	95	13
15	78	799	1,170	2,850	2,180	838	481	496	125	279	78	9.2
16	122	627	942	1,720	1,770	903	403	663	112	301	75	6.6
17	213	521	850	1,210	1,620	879	326	515	107	388	65	5.4
18	226	507	755	833	1,300	832	316	413	98	727	58	4.7
19	186	653	707	642	980	982	297	348	71	1,340	87	4.5
20	486	1,250	609	673	815	1,370	275	2,360	48	1,510	96	4.5
21	1,660	1,250	535	567	869	1,570	254	4,960	55	742	100	8.4
22	754	1,030	647	489	1,770	1,260	261	1,980	59	465	123	8.1
23	474	822	954	e390	2,010	1,510	396	1,230	57	347	91	5.1
24	553	731	2,090	e450	1,380	5,760	599	2,570	55	245	65	4.5
25	917	1,450	1,620	e470	1,110	4,840	830	2,260	49	187	49	3.7
26	659	2,200	1,100	e490	873	2,070	1,710	1,630	42	166	36	3.4
27	470	1,470	822	e380	756	1,480	1,740	1,090	35	143	51	3.2
28	388	1,110	597	e380	788	2,140	1,290	770	31	141	119	2.7
29	422	1,150	562	e450	---	6,090	944	620	28	231	187	3.6
30	1,040	969	495	498	---	4,000	2,090	472	24	173	146	3.1
31	665	---	448	476	---	2,110	---	384	---	128	112	---
TOTAL	11,765	31,058	39,626	33,071	34,095	60,142	36,512	39,142	3,985	11,115	3,317	789.7
MEAN	380	1,035	1,278	1,067	1,218	1,940	1,217	1,263	133	359	107	26.3
MAX	1,660	3,770	3,750	2,890	3,070	6,090	3,010	5,300	316	1,510	298	131
MIN	75	387	448	376	462	628	254	336	24	22	36	2.7
CFSM	0.93	2.55	3.15	2.63	3.00	4.78	3.00	3.11	0.33	0.88	0.26	0.06
IN.	1.08	2.85	3.63	3.03	3.12	5.51	3.35	3.59	0.37	1.02	0.30	0.07

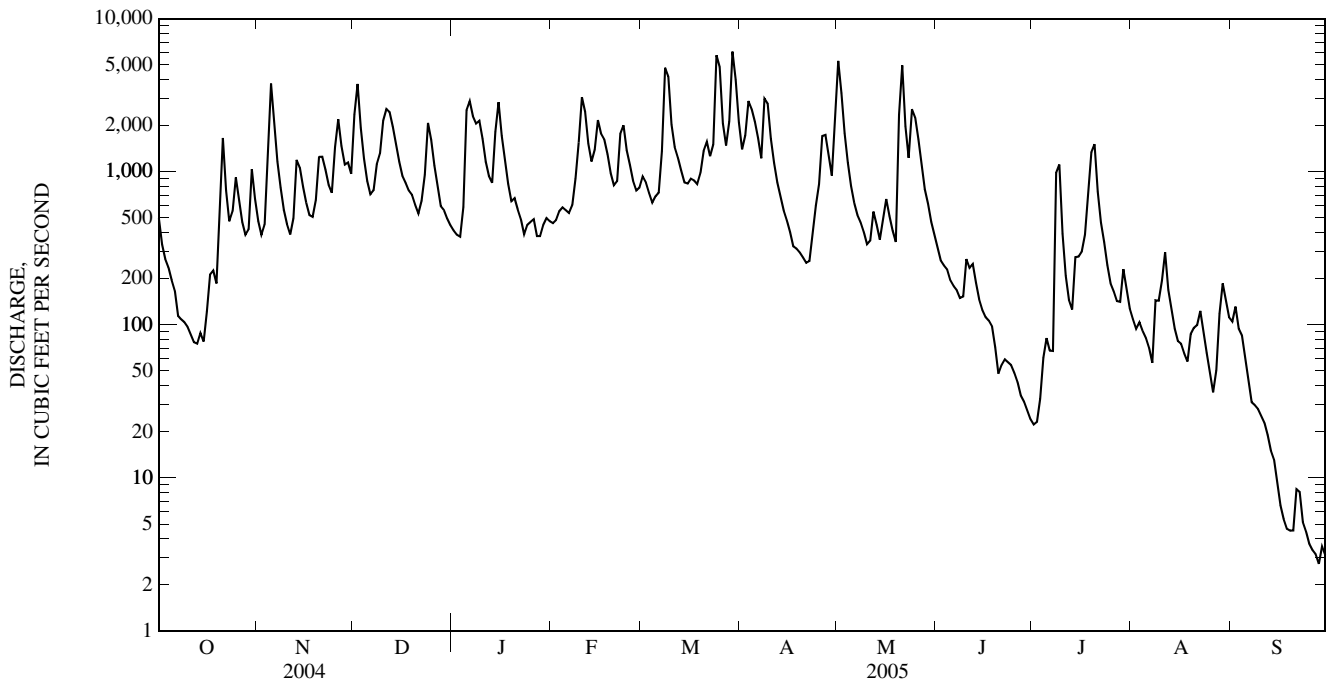
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1907 - 2005, BY WATER YEAR (WY)

	326	639	1,015	1,266	1,366	1,565	1,200	1,021	558	422	344	220
MEAN	326	639	1,015	1,266	1,366	1,565	1,200	1,021	558	422	344	220
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1907 - 2005	
ANNUAL TOTAL	365,413		304,617.7		825	
ANNUAL MEAN	998		835		1,375	
HIGHEST ANNUAL MEAN					1996	
LOWEST ANNUAL MEAN					506	
HIGHEST DAILY MEAN	13,900	Feb 7	6,090	Mar 29	27,400	Nov 5, 1985
LOWEST DAILY MEAN	29	Sep 7	2.7	Sep 28	0.10	(a)
ANNUAL SEVEN-DAY MINIMUM	48	Sep 1	3.5	Sep 24	0.17	Sep 13, 1930
MAXIMUM PEAK FLOW			7,130	Mar 25	(b)29,500	Nov 5, 1985
MAXIMUM PEAK STAGE			11.61	Mar 25	(c)23.65	Nov 5, 1985
INSTANTANEOUS LOW FLOW			1.7	(d)	0.10	(a)
ANNUAL RUNOFF (CFSM)	2.46		2.06		2.03	
ANNUAL RUNOFF (INCHES)	33.48		27.91		27.60	
10 PERCENT EXCEEDS	2,200		2,080		2,000	
50 PERCENT EXCEEDS	588		498		407	
90 PERCENT EXCEEDS	103		49		46	

- a Sept. 13-16, 1930.
- b From rating curve extended above 18,700 ft³/s.
- c From floodmarks.
- d Sept. 28, 29.
- 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.--No estimated daily discharges. Records good.

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)
Mar 8	1300	*3,520	*7.52	Mar 24	0700	3,500	7.50

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	195	271	1,000	211	246	491	635	1,900	169	6.4	64	44
2	155	243	1,170	201	250	472	767	1,200	136	5.7	51	68
3	151	363	792	189	269	411	982	792	120	6.5	40	40
4	132	946	580	339	297	337	1,020	561	131	9.5	33	30
5	104	1,500	458	1,050	292	388	909	425	103	5.9	28	24
6	84	901	380	1,100	290	343	715	345	81	5.5	24	19
7	73	630	396	1,010	320	512	560	291	67	12	20	16
8	65	475	477	911	419	2,380	1,320	253	56	292	18	14
9	56	363	484	886	574	1,530	1,080	207	53	193	16	12
10	51	291	694	696	1,290	872	745	178	54	83	17	10
11	47	248	883	548	1,000	668	553	177	51	48	27	8.5
12	45	313	897	464	723	553	432	238	65	35	24	6.8
13	46	615	767	412	573	460	353	210	49	28	18	5.9
14	169	533	643	829	625	388	282	181	39	72	15	4.9
15	167	450	538	926	816	354	226	289	39	100	12	4.3
16	150	380	462	700	731	362	187	285	35	279	12	3.7
17	297	318	422	560	760	351	160	240	31	197	13	3.4
18	249	317	373	407	619	369	145	206	30	305	11	2.5
19	207	364	347	331	488	460	132	176	27	777	13	2.3
20	522	521	275	369	437	654	119	732	23	636	17	2.3
21	972	610	277	300	461	708	108	1,240	20	330	24	2.1
22	585	562	318	262	740	606	116	709	18	350	32	1.9
23	426	483	462	247	687	723	257	526	17	250	28	1.8
24	457	426	744	200	586	2,630	324	1,240	16	159	20	1.8
25	550	633	618	254	510	1,400	405	996	14	108	15	1.8
26	450	808	500	248	419	866	887	746	12	96	12	1.8
27	367	665	412	238	360	653	900	554	10	77	14	1.9
28	311	572	297	169	386	921	708	414	8.6	115	19	1.9
29	290	496	322	235	---	2,190	546	353	7.9	182	57	2.1
30	342	433	261	254	---	1,560	1,020	265	7.1	122	41	2.4
31	309	---	231	253	---	895	---	213	---	86	39	---
TOTAL	8,024	15,730	16,480	14,799	15,168	25,507	16,593	16,142	1,489.6	4,971.5	774	341.1
MEAN	259	524	532	477	542	823	553	521	49.7	160	25.0	11.4
MAX	972	1,500	1,170	1,100	1,290	2,630	1,320	1,900	169	777	64	68
MIN	45	243	231	169	246	337	108	176	7.1	5.5	11	1.8
CFSM	1.75	3.54	3.59	3.23	3.66	5.56	3.74	3.52	0.34	1.08	0.17	0.08
IN.	2.02	3.95	4.14	3.72	3.81	6.41	4.17	4.06	0.37	1.25	0.19	0.09

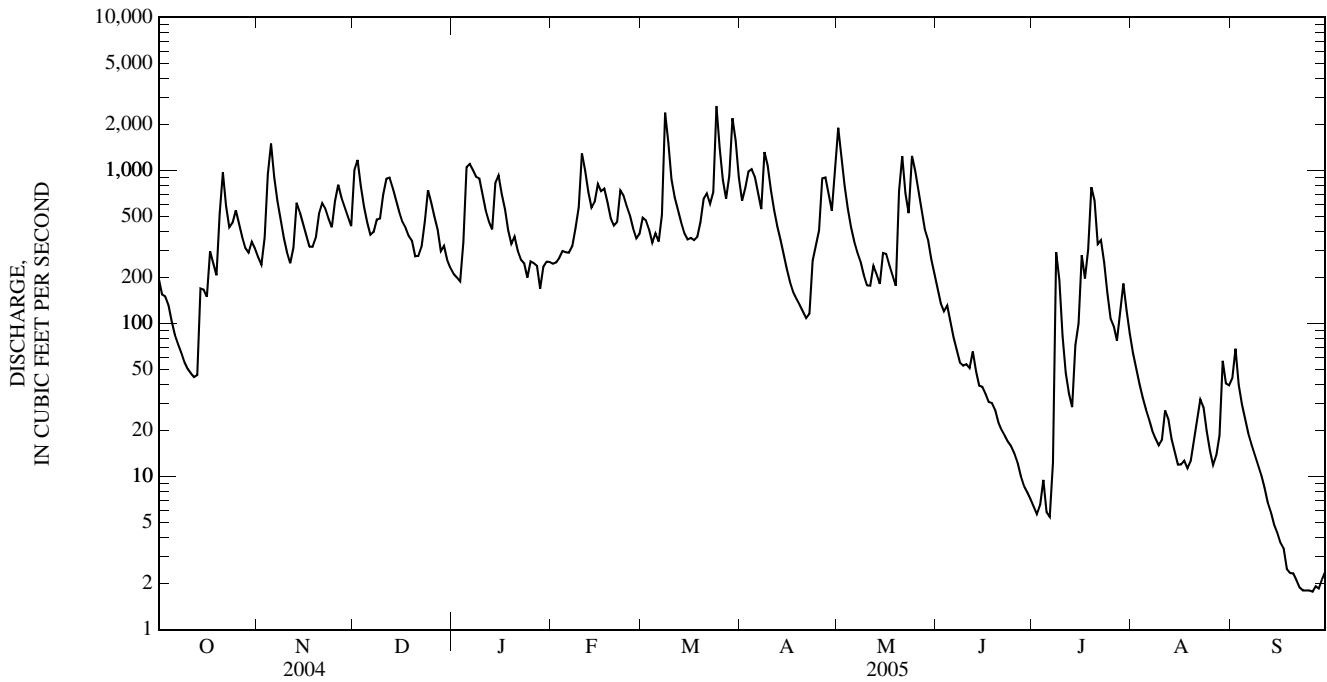
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2005, BY WATER YEAR (WY)

MEAN	125	278	476	551	584	672	523	437	225	159	141	103
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1942 - 2005	
ANNUAL TOTAL	166,421		136,019.2		356	
ANNUAL MEAN	455		373		203	
HIGHEST ANNUAL MEAN					554	1996
LOWEST ANNUAL MEAN					203	1966
HIGHEST DAILY MEAN	4,180	Feb 6	2,630	Mar 24	9,320	May 17, 1996
LOWEST DAILY MEAN	20	Sep 7	1.8	(a)	0.20	(b)
ANNUAL SEVEN-DAY MINIMUM	32	Sep 1	1.8	Sep 22	0.20	Oct 11, 1953
MAXIMUM PEAK FLOW			3,520	Mar 8	16,700	May 17, 1996
MAXIMUM PEAK STAGE			7.52	Mar 8	15.60	May 17, 1996
INSTANTANEOUS LOW FLOW			1.7	Sep 26	0.20	(b)
ANNUAL RUNOFF (CFSM)	3.07		2.52		2.40	
ANNUAL RUNOFF (INCHES)	41.83		34.19		32.64	
10 PERCENT EXCEEDS	910		884		837	
50 PERCENT EXCEEDS	329		290		192	
90 PERCENT EXCEEDS	61		12		15	

a Sept. 23-26.
 b Oct. 11-27, 1953.



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)
Mar 8	0800	*421	*4.54	No other peak greater than base discharge.			

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	14	106	14	e25	80	38	114	11	0.72	1.7	2.4
2	3.3	14	79	13	27	61	92	63	9.5	0.60	1.2	1.3
3	4.6	32	50	13	28	e44	98	40	8.9	0.51	0.99	0.87
4	3.4	132	35	35	30	e39	83	29	8.2	0.49	e84	0.64
5	2.5	113	27	136	29	35	55	22	7.1	0.45	0.71	0.51
6	2.1	57	24	108	27	45	38	19	5.6	2.0	0.75	0.42
7	1.8	39	31	81	26	77	33	17	4.5	1.5	0.66	0.37
8	1.6	26	30	95	26	247	94	16	3.6	15	0.62	0.31
9	4.0	19	43	85	38	104	63	13	7.5	3.4	0.70	0.28
10	2.5	16	77	54	121	63	42	12	12	1.6	0.75	0.25
11	1.4	15	85	38	74	51	31	14	8.4	1.1	0.59	0.22
12	1.3	49	73	31	53	46	25	23	7.2	0.86	0.45	0.18
13	62	71	63	26	42	40	21	15	4.7	0.87	0.38	0.16
14	112	47	51	115	49	36	17	14	4.0	1.2	0.32	0.13
15	47	33	42	79	51	36	14	18	3.8	8.8	0.29	0.13
16	41	26	35	51	47	37	12	14	2.9	5.7	0.34	0.15
17	46	21	31	37	39	34	11	12	3.0	2.5	0.38	0.21
18	27	24	31	32	33	34	10	11	2.1	30	0.30	0.22
19	22	34	25	34	31	36	9.9	9.7	1.7	77	0.59	0.19
20	e68	e50	23	23	25	40	9.5	66	1.5	45	0.81	0.17
21	e48	e54	22	20	32	34	9.1	56	1.4	15	0.61	0.16
22	e37	e47	22	e17	31	27	15	31	1.2	9.6	0.39	0.14
23	25	e36	32	e15	30	45	20	44	1.2	6.4	0.29	0.10
24	49	e30	38	e19	30	118	25	111	0.99	4.1	0.23	0.05
25	45	e36	33	e19	28	74	43	84	0.82	5.3	0.17	0.04
26	31	e54	28	e18	25	49	57	52	0.74	8.4	0.15	0.07
27	23	43	22	e15	26	37	41	32	0.69	4.3	1.8	0.14
28	19	34	21	e19	44	98	30	27	0.67	4.3	5.7	0.15
29	18	26	18	e25	---	170	24	27	0.75	3.0	2.0	0.25
30	18	24	16	e26	---	92	106	17	0.76	2.4	3.7	0.28
31	16	---	15	e26	---	54	---	14	---	1.7	1.9	---
TOTAL	786.4	1,216	1,228	1,319	1,067	1,983	1,166.5	1,036.7	126.42	263.80	30.31	10.49
MEAN	25.4	40.5	39.6	42.5	38.1	64.0	38.9	33.4	4.21	8.51	0.98	0.35
MAX	112	132	106	136	121	247	106	114	12	77	5.7	2.4
MIN	1.3	14	15	13	25	27	9.1	9.7	0.67	0.45	0.15	0.04
CFSM	1.77	2.83	2.77	2.98	2.66	4.47	2.72	2.34	0.29	0.60	0.07	0.02
IN.	2.05	3.16	3.19	3.43	2.78	5.16	3.03	2.70	0.33	0.69	0.08	0.03

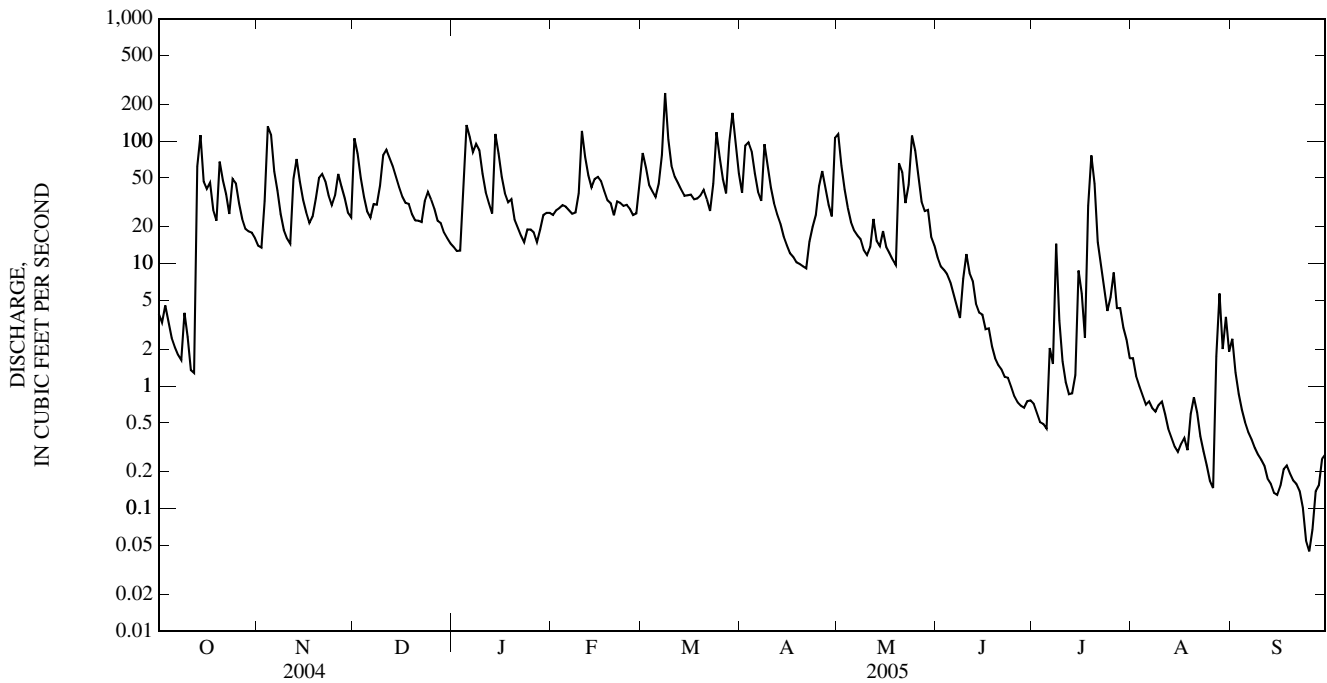
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2005, BY WATER YEAR (WY)

MEAN	10.5	24.5	38.3	42.4	48.1	51.8	40.7	30.8	17.7	13.4	10.3	7.21
MAX	60.3	145	87.3	91.1	116	119	83.9	154	75.1	59.4	48.5	30.2
(WY)	(1977)	(1986)	(1973)	(1994)	(1994)	(1993)	(1973)	(1996)	(1989)	(1958)	(1977)	(1979)
MIN	0.01	0.06	3.52	9.44	11.1	12.3	10.2	4.91	0.44	0.37	0.15	0.07
(WY)	(1954)	(1954)	(1966)	(1977)	(1978)	(1987)	(1971)	(1982)	(1965)	(1966)	(1993)	(1953)

03052500 SAND RUN NEAR BUCKHANNON, WV—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1947 - 2005	
ANNUAL TOTAL	13,861.12		10,233.62		27.9	
ANNUAL MEAN	37.9		28.0		45.3	
HIGHEST ANNUAL MEAN					1994	
LOWEST ANNUAL MEAN					14.8	
HIGHEST DAILY MEAN	537	Feb 6	247	Mar 8	1,320	Feb 9, 1994
LOWEST DAILY MEAN	0.62	Sep 6	0.04	Sep 25	0.00	(a)
ANNUAL SEVEN-DAY MINIMUM	0.97	Sep 1	0.10	Sep 22	0.00	Sep 22, 1953
MAXIMUM PEAK FLOW			421	Mar 8	(b)3,200	Nov 4, 1985
MAXIMUM PEAK STAGE			4.54	Mar 8	8.34	Nov 4, 1985
INSTANTANEOUS LOW FLOW			0.04	(c)	0.00	(d)
ANNUAL RUNOFF (CFSM)	2.65		1.96		1.95	
ANNUAL RUNOFF (INCHES)	36.06		26.62		26.50	
10 PERCENT EXCEEDS	77		69		63	
50 PERCENT EXCEEDS	24		22		13	
90 PERCENT EXCEEDS	3.1		0.44		1.0	

- a Several days in 1951-56, 1964-66, July 19, 1986, and Sept. 11, 12, 1995.
- b From rating curve extended above 1,560 ft³/s.
- c Sept. 24, 25, 26.
- d Several days in 1951-56, 1964-66, parts of July 19, 20, 1986, and Sept. 11, 12, 1995.
- e Estimated.



MONONGAHELA RIVER BASIN
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 NGVD 29 (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 period of estimated daily discharges (ice effect), which is 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)
Mar 8	2130	*3,920	*8.87	No peak greater than base discharge.			

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	254	388	1,520	329	e460	1,540	1,090	2,990	274	34	115	98
2	204	347	2,250	309	e470	1,370	1,380	2,220	232	38	169	137
3	177	422	1,530	299	511	981	2,050	1,390	205	27	126	106
4	169	1,370	1,040	493	548	772	1,830	900	191	26	98	74
5	143	2,870	772	1,920	542	726	1,560	646	171	23	77	54
6	119	1,790	624	2,320	508	770	1,220	510	147	22	64	41
7	102	1,130	643	2,000	494	1,150	900	427	127	38	51	32
8	90	787	781	1,850	534	2,920	1,450	377	99	191	44	26
9	82	580	793	1,940	714	3,080	1,770	324	101	440	40	21
10	75	454	1,400	1,440	1,970	1,810	1,220	281	130	195	34	18
11	67	381	1,840	1,030	1,990	1,310	852	254	162	116	31	16
12	60	534	1,930	813	1,400	1,130	644	389	123	79	34	14
13	112	1,200	1,610	699	1,050	1,010	529	314	110	67	30	13
14	802	994	1,310	1,640	958	858	437	259	92	91	24	11
15	608	758	1,020	2,240	1,340	744	360	315	94	155	20	10
16	490	619	831	1,500	1,260	682	307	372	81	196	18	9.2
17	680	514	722	1,070	1,220	628	272	301	71	190	19	8.0
18	619	486	638	761	1,000	591	246	263	62	174	18	8.2
19	551	646	580	637	796	602	229	235	56	809	17	8.0
20	960	1,220	521	605	676	716	213	502	49	893	26	7.5
21	1,560	1,310	450	545	678	879	196	1,720	43	430	57	6.8
22	979	1,140	466	507	1,060	791	202	1,060	37	304	61	6.2
23	675	897	519	e460	1,180	827	502	719	34	286	44	5.3
24	707	741	1,120	e370	977	3,020	712	1,700	29	212	32	4.4
25	997	841	1,040	e480	893	2,350	943	1,830	26	158	24	4.1
26	786	1,340	827	e460	730	1,480	1,420	1,510	23	171	20	4.3
27	613	1,140	668	e440	658	1,060	1,600	954	20	145	22	4.6
28	507	946	514	e370	760	1,600	1,300	656	18	144	74	4.5
29	453	818	471	e440	---	3,380	886	562	16	167	88	5.8
30	456	684	416	e470	---	2,700	1,260	419	17	142	139	6.0
31	448	---	366	e470	---	1,660	---	330	---	112	115	---
TOTAL	14,545	27,347	29,212	28,907	25,377	43,137	27,580	24,729	2,840	6,075	1,731	763.9
MEAN	469	912	942	932	906	1,392	919	798	94.7	196	55.8	25.5
MAX	1,560	2,870	2,250	2,320	1,990	3,380	2,050	2,990	274	893	169	137
MIN	60	347	366	299	460	591	196	235	16	22	17	4.1
CFSM	1.69	3.29	3.40	3.37	3.27	5.02	3.32	2.88	0.34	0.71	0.20	0.09
IN.	1.95	3.67	3.92	3.88	3.41	5.79	3.70	3.32	0.38	0.82	0.23	0.10

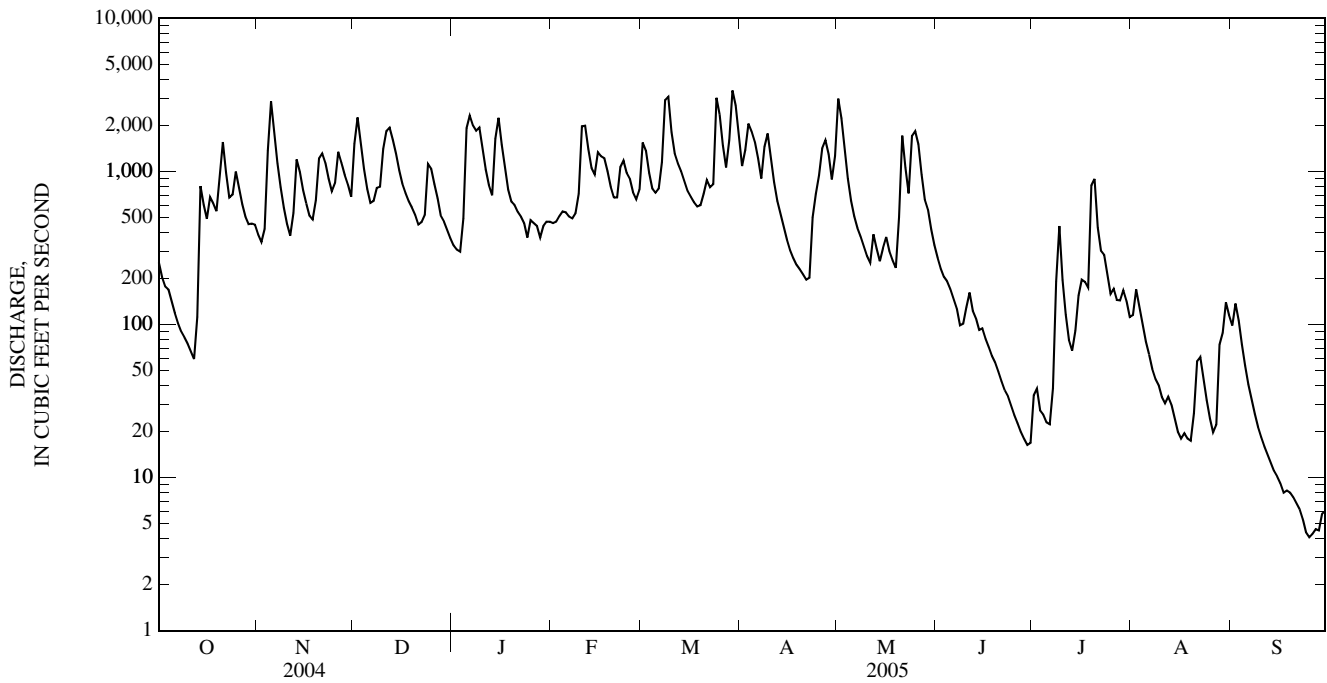
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2005, BY WATER YEAR (WY)

MEAN	258	511	814	921	1,011	1,118	831	672	393	291	260	176
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1915 - 2005	
ANNUAL TOTAL	296,411		232,243.9		604	
ANNUAL MEAN	810		636		915	
HIGHEST ANNUAL MEAN					1927	
LOWEST ANNUAL MEAN					354	
HIGHEST DAILY MEAN	8,070	Feb 7	3,380	Mar 29	14,500	Nov 5, 1985
LOWEST DAILY MEAN	37	Sep 7	4.1	Sep 25	0.20	(a)
ANNUAL SEVEN-DAY MINIMUM	65	Sep 2	4.7	Sep 23	0.21	Oct 21, 1930
MAXIMUM PEAK FLOW			3,920	Mar 8	(b)15,000	Nov 5, 1985
MAXIMUM PEAK STAGE			8.87	Mar 8	(c)16.88	Nov 5, 1985
INSTANTANEOUS LOW FLOW			3.8	Sep 26	0.20	(a)
ANNUAL RUNOFF (CFSM)	2.92		2.30		2.18	
ANNUAL RUNOFF (INCHES)	39.81		31.19		29.61	
10 PERCENT EXCEEDS	1,650		1,530		1,410	
50 PERCENT EXCEEDS	555		471		319	
90 PERCENT EXCEEDS	114		24		36	

- a Oct. 21-23, 25-27, 29, 1930.
- b From rating curve extended above 13,000 ft³/s on basis of slope-area measurement.
- c 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.--No estimated daily discharges. Records fair.

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)
Mar 8	2000	*15,200	*12.91	Mar 29	1600	15,100	12.83
Mar 24	1700	14,700	12.59				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,010	1,200	4,480	933	1,240	3,070	3,880	11,400	742	59	239	221
2	711	1,000	8,640	865	1,230	2,950	4,210	8,310	595	67	243	259
3	585	1,150	4,900	826	1,320	2,290	6,730	4,770	517	67	227	243
4	521	3,270	3,200	1,180	1,430	1,830	6,180	3,230	484	97	195	173
5	432	9,880	2,360	5,610	1,420	1,800	5,250	2,360	422	107	165	137
6	362	5,720	1,830	7,690	1,350	1,850	4,210	1,810	373	110	144	105
7	300	3,260	1,840	6,060	1,380	2,880	3,220	1,500	320	96	125	84
8	248	2,260	2,470	5,350	1,740	10,900	5,490	1,310	274	748	112	68
9	236	1,610	2,730	5,600	2,730	11,400	6,600	1,110	269	2,070	188	61
10	221	1,260	4,260	4,180	6,580	5,510	4,250	917	352	786	156	57
11	205	1,040	5,710	3,040	6,510	3,750	3,070	819	471	389	296	51
12	189	1,220	5,820	2,420	4,020	3,230	2,340	1,260	391	272	222	47
13	219	2,970	4,780	2,060	3,040	2,810	1,850	1,200	351	200	166	44
14	1,030	2,860	3,770	4,060	2,970	2,390	1,510	936	257	260	121	40
15	938	2,180	3,010	7,070	4,510	2,160	1,240	1,110	245	431	95	39
16	785	1,720	2,460	4,370	4,010	2,140	1,000	1,520	213	638	84	38
17	1,120	1,420	2,160	3,110	3,770	2,080	813	1,270	191	720	79	36
18	1,180	1,330	1,880	2,210	3,180	1,940	737	1,010	170	828	71	32
19	1,010	1,670	1,710	1,750	2,450	2,130	668	832	153	2,520	73	29
20	1,480	3,070	1,490	1,650	2,020	2,770	610	2,670	123	3,160	99	27
21	4,490	3,400	1,290	1,480	1,970	3,350	554	9,500	104	1,660	120	26
22	2,570	2,960	1,430	1,310	3,230	2,920	633	4,360	106	1,050	161	25
23	1,660	2,400	1,740	1,330	4,110	3,020	1,450	2,550	102	853	159	21
24	1,560	1,980	3,810	1,020	3,140	11,800	2,000	5,300	95	583	117	15
25	2,450	2,610	3,540	1,190	2,670	10,900	2,680	5,390	89	411	87	13
26	1,980	4,530	2,650	1,250	2,130	5,270	4,270	4,010	82	362	72	14
27	1,490	3,500	2,030	1,280	1,800	3,780	4,840	2,710	74	336	70	14
28	1,220	2,810	1,530	999	1,930	4,910	3,900	1,910	67	336	102	12
29	1,170	2,570	1,360	992	---	13,600	2,900	1,570	64	442	239	14
30	1,770	2,200	1,210	1,210	---	10,500	3,970	1,210	60	392	305	14
31	1,510	---	1,050	1,270	---	5,630	---	929	---	291	262	---
TOTAL	34,652	79,050	91,140	83,365	77,880	145,560	91,055	88,783	7,756	20,341	4,794	1,959
MEAN	1,118	2,635	2,940	2,689	2,781	4,695	3,035	2,864	259	656	155	65.3
MAX	4,490	9,880	8,640	7,690	6,580	13,600	6,730	11,400	742	3,160	305	259
MIN	189	1,000	1,050	826	1,230	1,800	554	819	60	59	70	12
CFSM	1.22	2.88	3.22	2.94	3.04	5.14	3.32	3.13	0.28	0.72	0.17	0.07
IN.	1.41	3.22	3.71	3.39	3.17	5.92	3.71	3.61	0.32	0.83	0.20	0.08

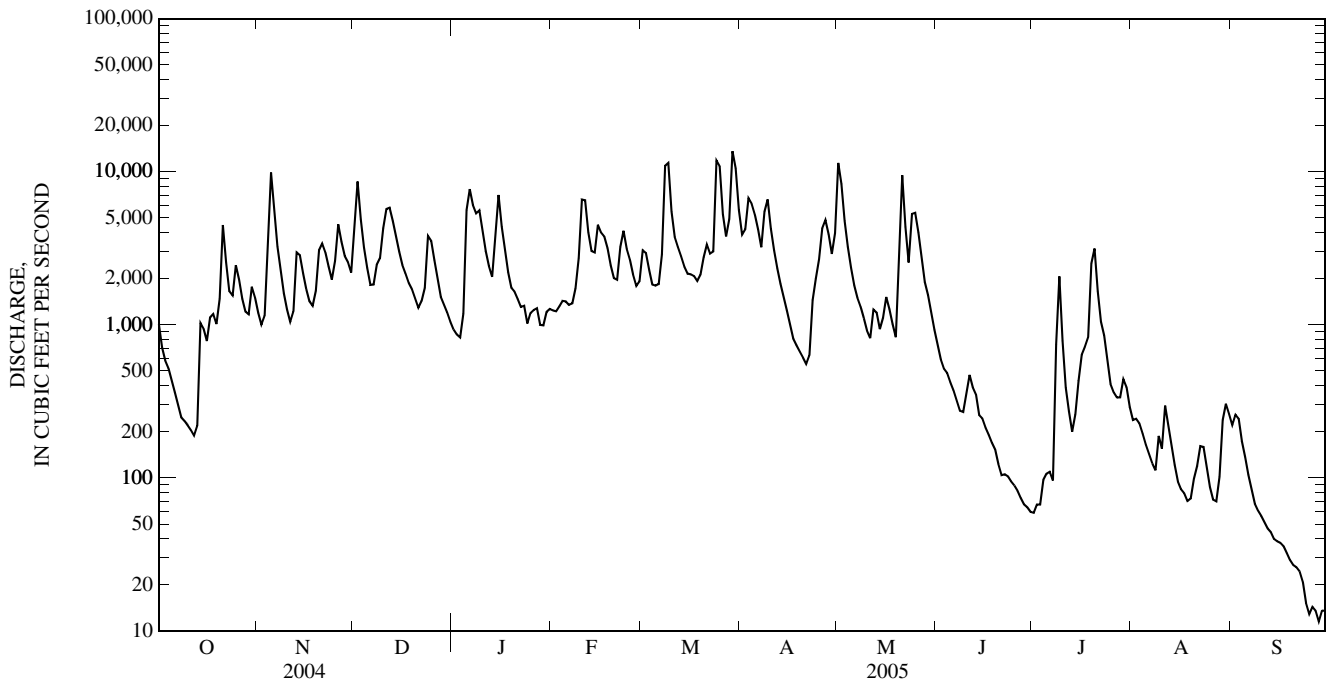
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2005, BY WATER YEAR (WY)

MEAN	714	1,631	2,551	2,829	3,199	3,605	2,830	2,258	1,272	923	809	556
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1940 - 2005	
ANNUAL TOTAL	897,694		726,335		1,922	
ANNUAL MEAN	2,453		1,990		3,136	
HIGHEST ANNUAL MEAN					1,105	1966
LOWEST ANNUAL MEAN					50,900	Nov 5, 1985
HIGHEST DAILY MEAN	30,100	Feb 7	13,600	Mar 29	4.9	(a)
LOWEST DAILY MEAN	108	Sep 7	12	Sep 28	5.2	Oct 9, 1953
ANNUAL SEVEN-DAY MINIMUM	155	Sep 2	14	Sep 24	(b)61,000	Nov 5, 1985
MAXIMUM PEAK FLOW			15,200	Mar 8	(c)31.83	Nov 5, 1985
MAXIMUM PEAK STAGE			12.91	Mar 8	4.9	(f)
INSTANTANEOUS LOW FLOW			11	(d)	2.10	
ANNUAL RUNOFF (CFSM)	2.68		2.18		28.57	
ANNUAL RUNOFF (INCHES)	36.54		29.56		4,530	
10 PERCENT EXCEEDS	5,130		4,770		1,050	
50 PERCENT EXCEEDS	1,540		1,310		114	
90 PERCENT EXCEEDS	271		83			

- 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 Sept. 25, 28, 29.
- f Oct. 10-12, 21, 1953.



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 (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)
Jan 5	1800	3,130	10.41	Mar 8	0730	3,090	10.35
Jan 12	0115	*4,070	(a)*11.70	Mar 29	0330	2,800	9.93

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	142	e700	73	112	192	278	146	90	15	6.3	52
2	31	117	e510	65	116	169	458	125	71	12	5.5	26
3	34	184	e320	70	125	149	541	114	65	10	5.2	15
4	29	346	226	601	137	134	467	100	59	8.6	4.6	10
5	25	519	172	1,800	155	149	382	86	51	8.5	4.2	7.2
6	22	317	142	1,440	165	172	295	79	46	14	4.0	5.2
7	21	215	172	675	192	353	235	74	93	17	3.8	3.8
8	19	153	215	795	270	1,890	200	72	60	50	6.1	3.1
9	18	115	199	643	357	705	156	64	133	36	23	2.9
10	18	94	e400	401	1,000	411	130	59	69	21	16	2.4
11	17	81	e600	431	577	314	114	54	79	15	10	2.2
12	17	141	e420	2,080	376	263	103	70	95	12	7.5	1.9
13	19	196	e340	670	292	221	94	59	58	11	8.0	1.9
14	59	162	e270	1,140	494	195	83	53	47	14	6.7	1.8
15	58	136	e230	649	753	176	73	156	42	12	5.4	1.7
16	66	118	e190	406	504	163	64	127	37	16	15	1.7
17	120	104	168	291	400	150	59	94	37	21	11	1.6
18	82	127	142	193	306	139	57	74	32	28	9.0	1.6
19	292	407	133	163	228	136	54	64	27	21	7.8	1.5
20	227	731	97	170	181	140	52	739	24	20	7.2	1.2
21	183	518	100	131	220	130	50	520	21	17	32	1.2
22	131	339	108	127	227	116	58	269	22	13	26	1.1
23	100	253	116	141	203	252	235	189	24	11	14	1.1
24	125	209	167	100	184	426	247	432	20	11	9.0	1.1
25	142	297	144	139	169	321	411	376	17	8.8	6.9	1.2
26	114	310	130	125	149	263	520	278	15	8.9	5.7	1.2
27	94	251	111	109	135	216	322	188	13	9.0	7.6	1.2
28	82	261	83	79	167	767	216	154	12	10	25	1.4
29	135	236	103	114	---	1,910	165	199	11	9.9	24	1.9
30	262	203	87	121	---	688	156	143	13	8.2	34	2.0
31	201	---	78	113	---	401	---	116	---	7.2	25	---
TOTAL	2,778	7,282	6,873	14,055	8,194	11,711	6,275	5,273	1,383	476.1	375.5	158.1
MEAN	89.6	243	222	453	293	378	209	170	46.1	15.4	12.1	5.27
MAX	292	731	700	2,080	1,000	1,910	541	739	133	50	34	52
MIN	17	81	78	65	112	116	50	53	11	7.2	3.8	1.1
CFSM	0.93	2.51	2.29	4.68	3.02	3.90	2.16	1.76	0.48	0.16	0.13	0.05
IN.	1.07	2.80	2.64	5.40	3.15	4.50	2.41	2.03	0.53	0.18	0.14	0.06

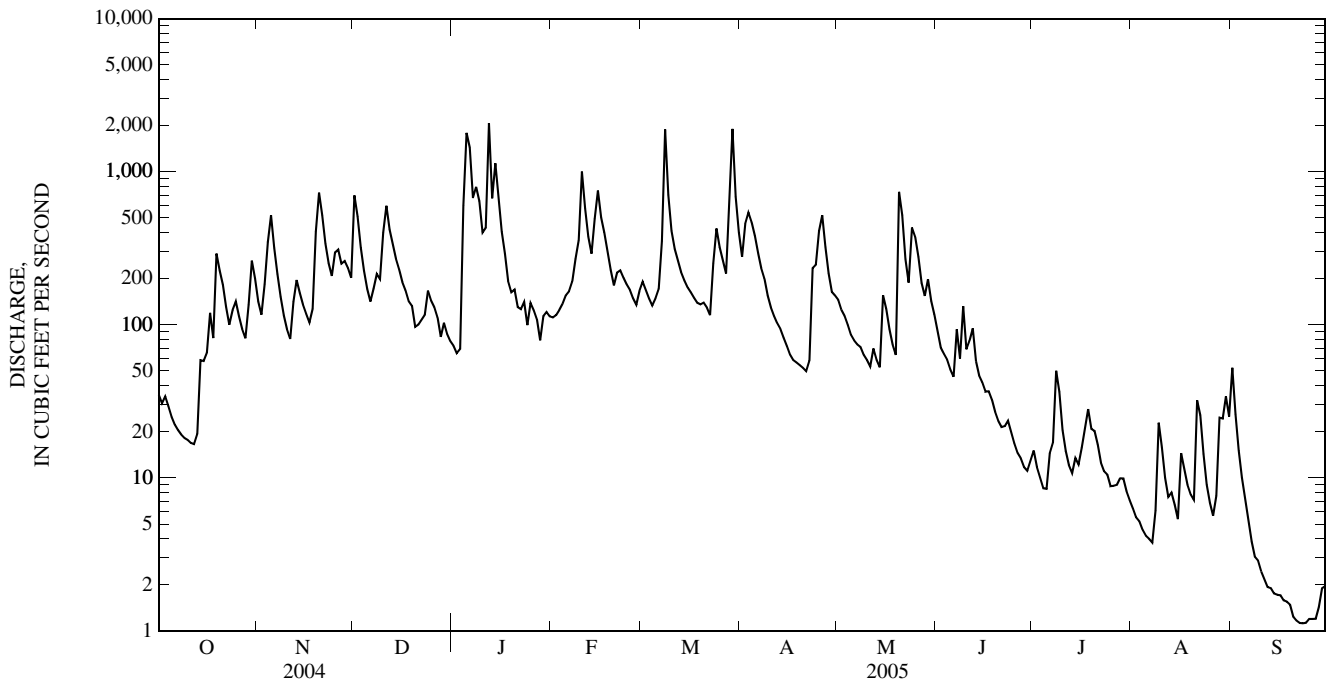
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2005, BY WATER YEAR (WY)

MEAN	56.5	195	233	281	326	337	251	201	125	88.1	45.7	47.1
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1985 - 2005	
ANNUAL TOTAL	79,128		64,833.7		181	
ANNUAL MEAN	216		178		272	
HIGHEST ANNUAL MEAN					112	
LOWEST ANNUAL MEAN					1988	
HIGHEST DAILY MEAN	3,080	Feb 6	2,080	Jan 12	5,200	Nov 5, 1985
LOWEST DAILY MEAN	14	(b)	1.1	(c)	0.49	(d)
ANNUAL SEVEN-DAY MINIMUM	18	Jul 6	1.2	Sep 20	0.55	Aug 13, 1988
MAXIMUM PEAK FLOW			4,070	Jan 12	(f)12,000	Nov 5, 1985
MAXIMUM PEAK STAGE			(a)11.70	Jan 12	(g)20.13	Nov 5, 1985
INSTANTANEOUS LOW FLOW			1.1	(h)	0.44	Aug 18, 1988
ANNUAL RUNOFF (CFSM)	2.23		1.83		1.87	
ANNUAL RUNOFF (INCHES)	30.41		24.92		25.46	
10 PERCENT EXCEEDS	478		415		423	
50 PERCENT EXCEEDS	127		111		90	
90 PERCENT EXCEEDS	22		6.8		8.0	

- a From float-tape indicator.
- b July 17, 18, Sept. 6.
- c Sept. 22-24.
- 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 Sept. 21, 22, 23, 24.



03058000 WEST FORK RIVER BELOW STONEWALL JACKSON DAM NEAR WESTON, WV

WATER-QUALITY RECORDS

LOCATION.--Lat 39°00'12", long 80°28'27", Lewis County, Hydrologic Unit 05020002, on left bank, 500 ft downstream from Stonewall Jackson Dam, 3.0 mi south of Weston, and at mile 74.2.

PERIOD OF RECORD.--Water years 1990 to November 1999, July to September 2005.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May to November 1999, July to September 2005.

pH: May to November 1999, July to September 2005.

WATER TEMPERATURES: May to November 1999, July to September 2005.

DISSOLVED OXYGEN: May to November 1999, July to September 2005.

INSTRUMENTATION.--Water-quality monitor May to November 1999, July to September 2005.

DRAINAGE AREA.--101 mi².

REMARKS.--Discontinued streamflow gaging station. See page xi for former station names. Additional data are collected at this site by the U.S. Army Corps of Engineers, Pittsburgh District.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 128 microsiemens, Sept. 19, 2005; minimum recorded, 95 microsiemens, June 14, 1999, Aug. 31, 2005.

pH: Maximum recorded, 7.7 units, Aug. 13, 15, 1999, Aug. 16, 17, Sept. 7, 8, 9, 2005; minimum recorded, 6.8 units, several days in 1999.

WATER TEMPERATURES: Maximum recorded, 25.8°C, Aug. 13, 1999; minimum recorded, 11.0°C, Nov. 8, 9, 1999.

DISSOLVED OXYGEN: Maximum recorded, 10.6 mg/L, May 28, 1999; minimum recorded, 5.7 mg/L, Oct. 15, 1999.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 120 microsiemens, Sept. 29; minimum recorded, 95 microsiemens, Aug. 31.

pH: Maximum recorded, 7.7 units, Aug. 16, 17, Sept. 7, 8, 9; minimum recorded, 7.1 units, Aug. 21, 22.

WATER TEMPERATURES: Maximum recorded, 24.9°C, Aug. 7, 12, 20; minimum recorded, 20.6°C, Sept. 30.

DISSOLVED OXYGEN: Maximum recorded, 10.1 mg/L, Aug. 30; minimum recorded, 7.8 mg/L, Aug. 25.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	105	103	104	100	97	98
2	---	---	---	---	---	---	105	102	104	102	98	99
3	---	---	---	---	---	---	105	103	104	102	98	100
4	---	---	---	---	---	---	106	103	104	104	100	101
5	---	---	---	---	---	---	105	102	103	106	101	103
6	---	---	---	---	---	---	107	103	104	107	103	104
7	---	---	---	---	---	---	106	104	105	108	102	105
8	---	---	---	---	---	---	107	104	106	108	102	105
9	---	---	---	---	---	---	107	105	106	108	104	106
10	---	---	---	---	---	---	106	104	105	110	104	107
11	---	---	---	---	---	---	106	103	105	111	106	108
12	---	---	---	---	---	---	104	102	103	114	107	109
13	---	---	---	---	---	---	104	102	103	---	---	---
14	---	---	---	108	104	106	106	103	104	---	---	---
15	---	---	---	105	103	104	107	103	105	---	---	---
16	---	---	---	105	103	104	109	105	107	---	---	---
17	---	---	---	106	103	104	108	106	107	---	---	---
18	---	---	---	107	103	105	107	104	106	---	---	---
19	---	---	---	108	103	104	107	104	105	---	---	---
20	---	---	---	109	104	106	106	102	104	---	---	---
21	---	---	---	109	106	107	107	103	104	---	---	---
22	---	---	---	108	105	106	107	103	105	---	---	---
23	---	---	---	108	104	106	106	104	105	---	---	---
24	---	---	---	107	104	105	107	104	106	---	---	---
25	---	---	---	106	104	105	108	105	107	---	---	---
26	---	---	---	106	103	104	108	106	106	---	---	---
27	---	---	---	105	101	103	108	102	106	119	115	116
28	---	---	---	106	102	104	108	104	106	118	115	116
29	---	---	---	106	103	105	119	98	104	120	114	116
30	---	---	---	107	104	105	99	96	98	118	115	116
31	---	---	---	105	103	105	99	95	97	---	---	---
MONTH	---	---	---	---	---	---	119	95	104	---	---	---

03058000 WEST FORK RIVER BELOW STONEWALL JACKSON DAM NEAR WESTON, WV—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	JUNE			JULY			AUGUST			SEPTEMBER		
				MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
1	---	---	---	---	---	---	---	---	---	7.5	7.4	7.4	7.5	7.4	7.4
2	---	---	---	---	---	---	---	---	---	7.6	7.4	7.4	7.5	7.4	7.4
3	---	---	---	---	---	---	---	---	---	7.6	7.5	7.5	7.5	7.4	7.4
4	---	---	---	---	---	---	---	---	---	7.5	7.4	7.5	7.5	7.4	7.4
5	---	---	---	---	---	---	---	---	---	7.5	7.4	7.4	7.6	7.4	7.5
6	---	---	---	---	---	---	---	---	---	7.5	7.3	7.4	7.6	7.5	7.5
7	---	---	---	---	---	---	---	---	---	7.6	7.4	7.5	7.7	7.5	7.6
8	---	---	---	---	---	---	---	---	---	7.5	7.4	7.5	7.7	7.6	7.6
9	---	---	---	---	---	---	---	---	---	7.4	7.4	7.4	7.7	7.6	7.6
10	---	---	---	---	---	---	---	---	---	7.4	7.4	7.4	7.6	7.5	7.6
11	---	---	---	---	---	---	---	---	---	---	---	---	7.5	7.5	7.5
12	---	---	---	---	---	---	---	---	---	---	---	---	7.5	7.4	7.5
13	---	---	---	---	---	---	---	---	---	---	---	---	7.6	7.3	7.5
14	---	---	---	---	---	---	---	---	---	---	---	---	7.4	7.3	7.3
15	---	---	---	---	---	---	---	---	---	---	---	---	7.4	7.3	7.3
16	---	---	---	---	---	---	---	---	---	7.7	7.5	7.6	7.5	7.3	7.4
17	---	---	---	---	---	---	---	---	---	7.7	7.5	7.6	7.5	7.4	7.4
18	---	---	---	---	---	---	---	---	---	7.6	7.5	7.5	7.5	7.4	7.5
19	---	---	---	---	---	---	---	---	---	7.5	7.3	7.4	7.5	7.4	7.5
20	---	---	---	---	---	---	---	---	---	7.4	7.2	7.3	7.6	7.5	7.5
21	---	---	---	---	---	---	---	---	---	7.3	7.1	7.2	7.5	7.5	7.5
22	---	---	---	---	---	---	---	---	---	7.3	7.1	7.2	7.6	7.4	7.5
23	---	---	---	---	---	---	---	---	---	7.3	7.2	7.3	7.5	7.3	7.4
24	---	---	---	---	---	---	---	---	---	7.4	7.2	7.3	7.4	7.3	7.4
25	---	---	---	---	---	---	---	---	---	7.4	7.2	7.3	7.4	7.3	7.4
26	---	---	---	---	---	---	---	---	---	7.5	7.3	7.4	7.5	7.3	7.4
27	---	---	---	---	---	---	---	---	---	7.5	7.4	7.4	7.5	7.3	7.4
28	---	---	---	---	---	---	---	---	---	7.4	7.3	7.4	7.5	7.4	7.4
29	---	---	---	---	---	---	---	---	---	7.4	7.3	7.3	7.5	7.4	7.5
30	---	---	---	---	---	---	---	---	---	7.3	7.2	7.3	7.4	7.4	7.4
31	---	---	---	---	---	---	---	---	---	7.4	7.3	7.4	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---	7.7	7.6	7.6
MIN	---	---	---	---	---	---	---	---	---	---	---	---	7.4	7.3	7.3

03058000 WEST FORK RIVER BELOW STONEWALL JACKSON DAM NEAR WESTON, WV—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	24.3	23.5	23.9	23.0	22.2	22.5
2	---	---	---	---	---	---	24.3	23.6	23.9	23.0	22.3	22.6
3	---	---	---	---	---	---	24.2	23.6	23.9	22.8	22.0	22.3
4	---	---	---	---	---	---	24.5	23.6	24.0	22.4	21.8	22.0
5	---	---	---	---	---	---	24.5	23.9	24.1	22.6	21.7	22.1
6	---	---	---	---	---	---	24.1	23.4	23.8	22.5	21.8	22.1
7	---	---	---	---	---	---	24.9	23.4	24.3	22.4	21.8	22.0
8	---	---	---	---	---	---	24.7	23.8	24.2	22.5	21.7	22.0
9	---	---	---	---	---	---	24.1	23.8	23.9	22.4	21.8	22.1
10	---	---	---	---	---	---	24.4	23.6	24.0	22.4	21.8	22.0
11	---	---	---	---	---	---	24.7	23.7	24.2	22.4	21.7	22.0
12	---	---	---	---	---	---	24.9	23.9	24.3	22.5	21.8	22.1
13	---	---	---	---	---	---	24.8	23.9	24.3	22.8	21.9	22.2
14	---	---	---	23.0	22.3	22.5	24.5	23.7	24.1	22.7	22.1	22.4
15	---	---	---	23.2	22.2	22.6	24.2	23.5	23.8	22.8	22.2	22.5
16	---	---	---	23.1	22.4	22.7	24.3	23.5	23.9	23.4	22.2	22.8
17	---	---	---	23.7	22.6	23.1	23.7	23.3	23.5	23.2	22.5	22.9
18	---	---	---	23.5	22.9	23.2	24.4	23.4	23.9	23.0	22.4	22.7
19	---	---	---	23.3	22.9	23.1	24.7	23.9	24.3	23.0	22.3	22.6
20	---	---	---	23.2	21.6	22.5	24.9	24.0	24.4	22.9	22.4	22.7
21	---	---	---	22.6	21.6	21.9	24.5	23.5	24.1	22.7	22.2	22.4
22	---	---	---	22.5	21.5	21.9	24.3	23.3	23.9	23.1	22.0	22.5
23	---	---	---	22.9	21.4	22.2	23.6	22.7	23.2	23.0	22.4	22.6
24	---	---	---	23.6	22.3	23.1	23.3	22.6	22.9	22.7	22.2	22.5
25	---	---	---	24.1	22.8	23.4	23.6	22.8	23.2	23.3	22.4	22.8
26	---	---	---	24.2	22.6	23.5	23.7	23.3	23.5	23.1	22.6	22.9
27	---	---	---	24.3	23.5	23.8	23.7	23.2	23.4	22.6	21.9	22.2
28	---	---	---	23.6	22.4	22.9	23.4	22.5	22.9	22.8	21.6	22.1
29	---	---	---	23.0	22.5	22.6	23.0	22.5	22.6	22.3	21.1	21.9
30	---	---	---	23.0	22.4	22.7	22.7	22.3	22.5	21.5	20.6	21.0
31	---	---	---	24.0	22.4	23.2	23.0	22.4	22.8	---	---	---
MONTH	---	---	---				24.9	22.3	23.7	23.4	20.6	22.3

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 Bingamon Creek, and at mile 12.1.

DRAINAGE AREA.--759 mi².

WATER-DISCHARGE RECORDS

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 NGVD 12. June 1907 to Sept. 30, 1918, nonrecording gage at site 150 ft upstream at same datum.

REMARKS.--No estimated daily discharges. Water-discharge records fair. 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, 12,500 ft³/s, Jan. 5, gage height, 14.03 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	365	704	2,520	645	1,170	3,940	1,990	1,520	699	328	150	677
2	324	609	3,280	602	1,100	3,320	2,190	1,550	431	287	141	463
3	325	791	2,110	608	1,050	2,130	3,950	1,440	371	210	146	285
4	325	1,880	1,640	2,580	1,190	1,650	3,700	1,260	328	197	131	201
5	298	5,530	1,350	7,470	1,220	1,560	2,830	1,010	291	202	125	160
6	272	2,510	1,140	8,290	1,120	1,890	2,280	782	270	336	162	128
7	266	1,690	1,130	4,020	1,030	2,420	1,960	685	301	276	136	108
8	260	1,280	1,430	4,330	1,050	7,590	1,710	603	275	241	130	93
9	245	993	1,220	4,560	1,160	6,050	1,390	528	234	248	146	83
10	241	799	2,180	2,940	2,590	3,080	1,230	460	257	237	148	76
11	243	689	3,900	2,610	3,200	2,440	1,120	417	244	186	139	70
12	249	939	3,020	5,390	2,160	2,380	1,000	495	213	158	129	65
13	247	2,190	2,510	3,040	1,730	2,250	833	553	198	190	121	63
14	371	1,480	2,100	4,320	1,910	2,120	706	451	186	205	111	59
15	562	1,050	1,750	4,300	3,380	1,920	627	981	186	206	105	55
16	579	885	1,460	2,560	2,550	1,630	574	1,450	185	202	99	54
17	651	793	1,250	2,080	2,110	1,320	533	796	200	307	92	54
18	682	754	1,080	1,730	1,730	1,090	513	566	194	429	88	55
19	2,900	1,130	959	1,500	1,380	1,010	502	470	173	351	94	54
20	1,960	4,250	871	1,400	1,130	928	487	2,640	167	974	103	58
21	2,050	2,930	740	1,100	1,120	842	442	3,750	169	628	274	59
22	1,180	2,010	742	1,010	1,180	729	436	1,710	166	288	314	57
23	829	1,620	1,140	1,570	1,030	1,030	821	1,160	164	216	191	54
24	908	1,410	2,260	1,340	939	2,340	1,420	1,380	155	170	123	60
25	1,210	1,620	1,430	1,240	986	1,960	1,730	1,750	151	158	87	61
26	933	1,940	1,070	1,200	959	1,500	2,390	1,440	148	935	81	60
27	770	1,510	904	1,360	944	1,250	1,850	1,240	141	621	112	66
28	673	1,650	743	1,280	1,350	2,320	1,430	1,090	137	558	253	73
29	757	1,690	729	1,170	---	6,050	1,190	1,110	206	516	437	72
30	1,130	1,420	703	1,210	---	4,410	1,160	1,000	263	278	1,930	76
31	865	---	674	1,280	---	2,670	---	882	---	196	1,560	---
TOTAL	22,670	48,746	48,035	78,735	42,468	75,819	42,994	35,169	7,103	10,334	7,858	3,499
MEAN	731	1,625	1,550	2,540	1,517	2,446	1,433	1,134	237	333	253	117
MAX	2,900	5,530	3,900	8,290	3,380	7,590	3,950	3,750	699	974	1,930	677
MIN	241	609	674	602	939	729	436	417	137	158	81	54

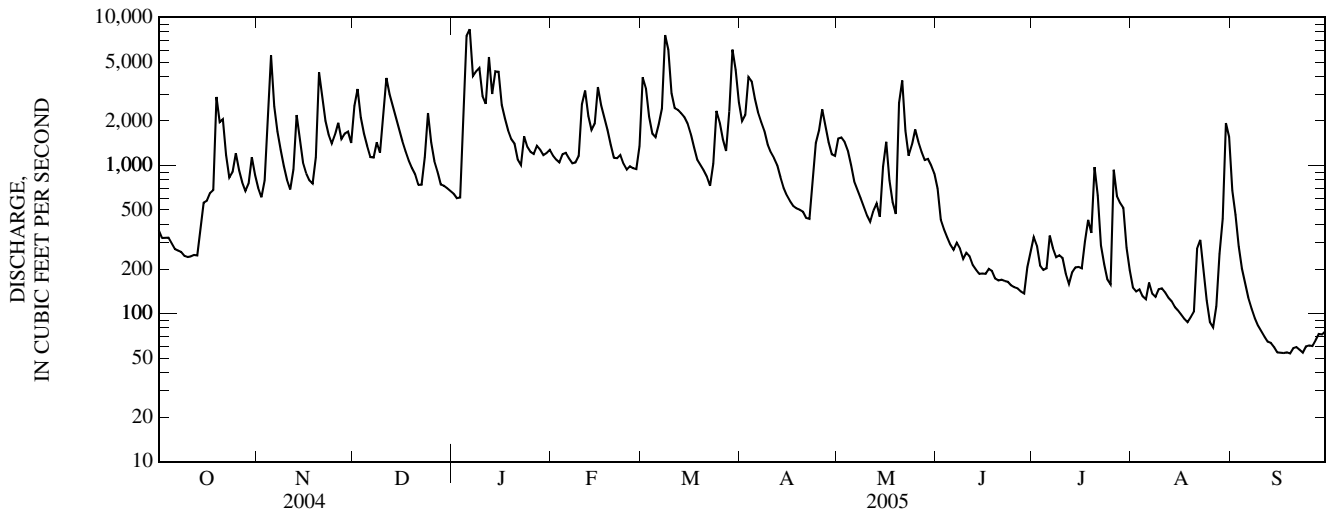
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2005, BY WATER YEAR (WY)

MEAN	478	1,072	1,530	1,786	2,078	2,195	1,596	1,415	925	531	469	388
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1973 - 2005	
ANNUAL TOTAL	587,574		423,430		1,201	
ANNUAL MEAN	1,605		1,160		1,859	
HIGHEST ANNUAL MEAN					583	2004
LOWEST ANNUAL MEAN					1988	
HIGHEST DAILY MEAN	16,500	Feb 7	8,290	Jan 6	37,900	Nov 5, 1985
LOWEST DAILY MEAN	127	Sep 7	54	(a)	14	Oct 18, 1988
ANNUAL SEVEN-DAY MINIMUM	170	Sep 1	56	Sep 14	20	Oct 12, 1988
MAXIMUM PEAK FLOW			12,500	Jan 5	(b)41,100	Nov 5, 1985
MAXIMUM PEAK STAGE			14.03	Jan 5	30.37	Nov 5, 1985
INSTANTANEOUS LOW FLOW			52	(c)	12	Oct 18, 1988
10 PERCENT EXCEEDS	3,240		2,550		2,770	
50 PERCENT EXCEEDS	985		871		597	
90 PERCENT EXCEEDS	246		124		138	

a Sept. 16, 17, 19, 23.
 b From rating curve extended above 36,400 ft³/s.
 c Sept. 17, 19.



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 No. 37-A.

SURFACE AREA.--8 acres.

DRAINAGE AREA.--1.98 mi², (corrected).

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

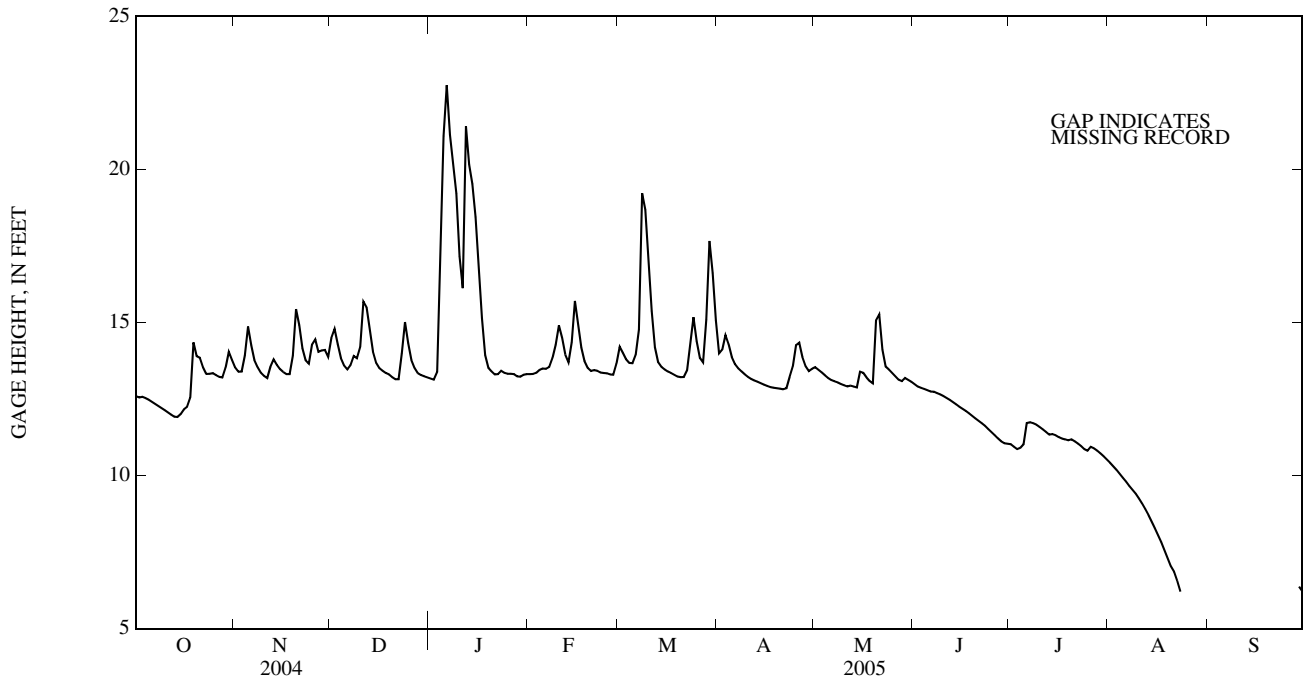
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 23.84 ft, Nov. 19, 2003; minimum gage height, less than 5.91 ft, Aug. 24 to Sept. 28, 2005 (water level less than minimum recorded).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 23.73 ft, Jan. 5; minimum gage height, less than 5.91 ft, Aug. 24 to Sept. 28 (water level less than minimum recorded).

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.59	13.53	14.50	13.17	13.32	14.21	13.99	13.54	12.98	11.03	10.42	---
2	12.55	13.39	14.79	13.13	13.32	14.01	14.11	13.46	12.91	10.94	10.31	---
3	12.57	13.40	14.29	13.38	13.36	13.80	14.59	13.37	12.87	10.87	10.19	---
4	12.53	13.92	13.83	16.57	13.45	13.68	14.28	13.28	12.83	10.90	10.06	---
5	12.48	14.87	13.59	21.09	13.50	13.67	13.87	13.19	12.79	11.02	9.93	---
6	12.41	14.26	13.46	22.75	13.49	13.95	13.64	13.12	12.75	11.72	9.80	---
7	12.34	13.77	13.61	21.13	13.55	14.76	13.50	13.08	12.74	11.74	9.66	---
8	12.27	13.54	13.91	20.17	13.84	19.22	13.41	13.04	12.69	11.71	9.54	---
9	12.20	13.36	13.83	19.21	14.28	18.68	13.31	12.99	12.65	11.66	9.41	---
10	12.14	13.26	14.19	17.16	14.91	16.93	13.23	12.95	12.60	11.59	9.26	---
11	12.06	13.19	15.68	16.12	14.50	15.37	13.16	12.91	12.54	11.51	9.09	---
12	11.99	13.56	15.49	21.41	13.95	14.19	13.10	12.94	12.47	11.43	8.91	---
13	11.92	13.80	14.73	20.15	13.70	13.71	13.06	12.91	12.40	11.34	8.71	---
14	11.91	13.62	14.05	19.53	14.35	13.55	13.02	12.88	12.33	11.36	8.50	---
15	12.01	13.48	13.68	18.44	15.70	13.46	12.97	13.39	12.25	11.32	8.28	---
16	12.16	13.38	13.51	16.70	14.96	13.40	12.93	13.35	12.18	11.26	8.06	---
17	12.24	13.31	13.43	15.14	14.18	13.35	12.89	13.21	12.11	11.21	7.83	---
18	12.55	13.32	13.35	13.93	13.74	13.29	12.87	13.09	12.03	11.18	7.57	---
19	14.35	13.91	13.31	13.52	13.52	13.24	12.86	13.01	11.95	11.15	7.31	---
20	13.90	15.44	13.21	13.40	13.42	13.21	12.84	15.07	11.87	11.18	7.04	---
21	13.85	14.92	13.15	13.31	13.45	13.22	12.82	15.26	11.79	11.12	6.86	---
22	13.53	14.15	13.15	13.31	13.42	13.44	12.85	14.11	11.71	11.05	6.56	---
23	13.32	13.77	13.99	13.42	13.37	14.31	13.22	13.56	11.62	10.96	6.21	---
24	13.32	13.66	15.01	13.36	13.35	15.17	13.57	13.46	11.52	10.86	---	---
25	13.35	14.28	14.33	13.33	13.34	14.39	14.25	13.35	11.42	10.81	---	---
26	13.28	14.45	13.77	13.33	13.31	13.84	14.34	13.24	11.32	10.94	---	---
27	13.23	14.04	13.51	13.31	13.29	13.69	13.87	13.13	11.22	10.89	---	---
28	13.20	14.09	13.35	13.24	13.66	15.09	13.57	13.08	11.12	10.82	---	---
29	13.53	14.10	13.28	13.23	---	17.66	13.41	13.19	11.06	10.73	---	6.38
30	14.04	13.88	13.24	13.29	---	16.62	13.49	13.12	11.04	10.63	---	6.22
31	13.78	---	13.21	13.31	---	15.07	---	13.06	---	10.53	---	---
MEAN	12.83	13.86	13.88	15.89	13.79	14.59	13.43	13.33	12.13	11.14	---	---
MAX	14.35	15.44	15.68	22.75	15.70	19.22	14.59	15.26	12.98	11.74	---	---
MIN	11.91	13.19	13.15	13.13	13.29	13.21	12.82	12.88	11.04	10.53	---	---

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. WDR WV-04-1: 2001(M), 2002(M), 2003(M).

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.--No estimated daily discharges. Records good. 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)
Jan 5	1700	*6,980	*12.26	Jan 12	0400	6,840	12.16

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	134	607	86	113	413	271	184	59	59	8.2	13
2	26	102	540	78	114	320	486	153	48	34	7.8	11
3	30	110	332	94	129	255	624	125	46	19	6.8	10
4	26	255	234	1,410	152	220	447	101	46	20	6.3	7.9
5	24	602	176	4,140	159	216	318	83	42	20	6.0	6.2
6	22	297	145	1,660	155	331	242	74	39	44	6.0	5.6
7	21	195	173	803	163	719	194	71	46	24	6.4	5.3
8	21	140	261	1,070	238	2,210	167	66	37	18	7.3	5.1
9	20	99	221	728	400	707	136	57	31	18	8.8	4.9
10	20	78	377	439	693	432	114	51	30	15	8.8	4.6
11	19	70	824	1,040	417	331	99	48	27	14	7.6	4.2
12	19	165	509	3,430	294	286	88	55	23	13	7.1	5.0
13	21	257	360	763	231	248	80	52	22	12	8.4	5.5
14	27	175	263	1,090	538	210	73	44	21	21	9.8	5.4
15	29	135	200	647	888	183	65	164	22	28	8.7	5.0
16	50	112	162	417	473	164	59	128	21	19	7.2	5.3
17	40	97	147	307	336	144	54	81	22	15	7.9	8.1
18	55	102	126	223	248	127	52	63	21	14	10	8.9
19	368	300	115	200	185	113	50	53	19	16	9.0	7.5
20	186	705	97	173	162	106	48	393	18	28	7.4	6.6
21	157	412	110	143	173	96	46	304	17	28	8.2	6.1
22	103	275	85	149	163	86	49	169	17	19	7.5	5.9
23	74	223	403	173	142	326	115	123	17	16	7.3	7.2
24	71	196	617	162	135	535	143	160	15	13	6.5	8.0
25	72	347	316	147	133	325	327	160	14	14	6.2	9.6
26	62	347	213	136	118	256	343	121	13	23	6.6	9.4
27	56	258	164	126	111	220	226	91	11	18	11	9.3
28	54	302	124	114	205	915	161	79	9.0	15	11	11
29	221	312	121	113	---	1,460	131	111	9.5	12	9.6	14
30	386	243	108	115	---	597	150	85	26	9.7	9.3	13
31	212	---	97	116	---	375	---	71	---	8.5	13	---
TOTAL	2,519	7,045	8,227	20,292	7,268	12,926	5,358	3,520	788.5	627.2	251.7	228.6
MEAN	81.3	235	265	655	260	417	179	114	26.3	20.2	8.12	7.62
MAX	386	705	824	4,140	888	2,210	624	393	59	59	13	14
MIN	19	70	85	78	111	86	46	44	9.0	8.5	6.0	4.2
CFSM	0.70	2.02	2.29	5.64	2.24	3.59	1.54	0.98	0.23	0.17	0.07	0.07
IN.	0.81	2.26	2.64	6.51	2.33	4.15	1.72	1.13	0.25	0.20	0.08	0.07

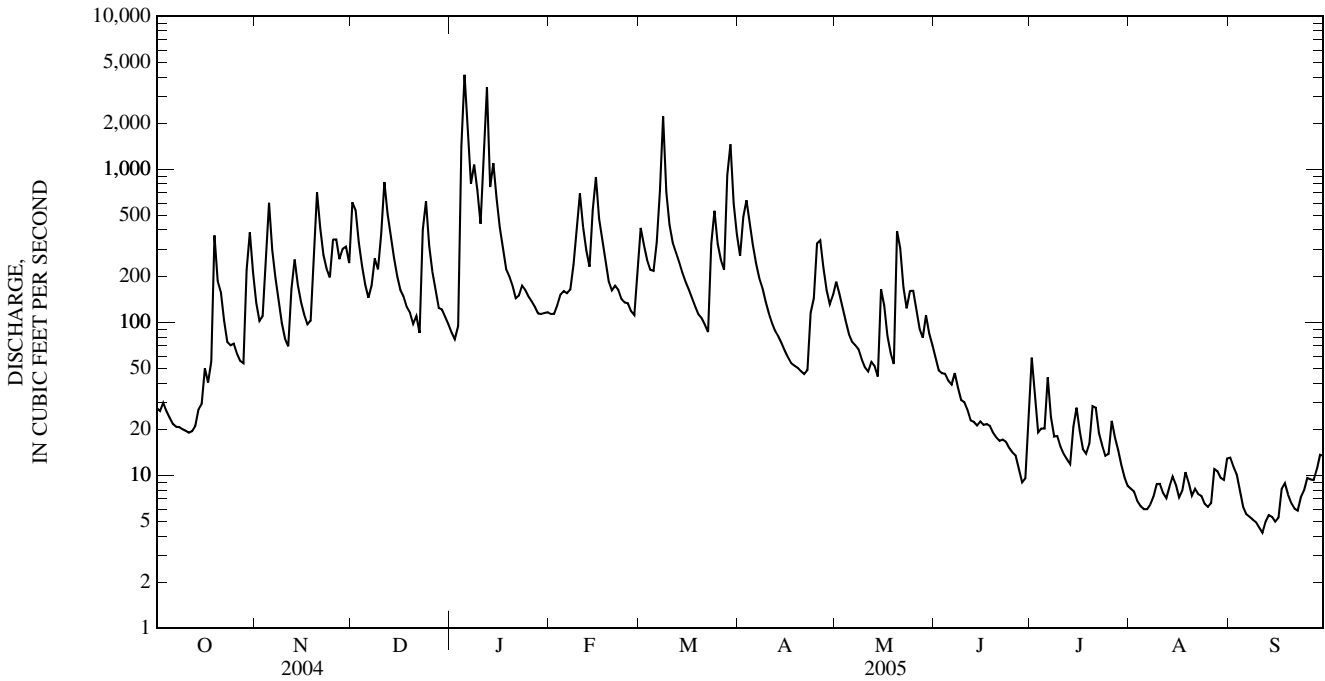
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1907 - 2005, BY WATER YEAR (WY)

MEAN	46.8	113	214	283	303	356	251	197	111	65.7	56.5	47.6
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1907 - 2005	
ANNUAL TOTAL	80,336		69,051.0			
ANNUAL MEAN	219		189		169	
HIGHEST ANNUAL MEAN					280	1994
LOWEST ANNUAL MEAN					80.3	1969
HIGHEST DAILY MEAN	3,530	Feb 6	4,140	Jan 5	5,710	Apr 12, 1948
LOWEST DAILY MEAN	13	Aug 18	4.2	Sep 11	0.00	(a)
ANNUAL SEVEN-DAY MINIMUM	18	Sep 1	4.9	Sep 7	0.00	Sep 4, 1908
MAXIMUM PEAK FLOW			6,980	Jan 5	10,400	Feb 19, 2000
MAXIMUM PEAK STAGE			12.26	Jan 5	(b)16.76	Feb 19, 2000
INSTANTANEOUS LOW FLOW			4.1	Sep 11	0.00	(c)
ANNUAL RUNOFF (CFSM)	1.89		1.63		1.46	
ANNUAL RUNOFF (INCHES)	25.76		22.14		19.82	
10 PERCENT EXCEEDS	462		415		402	
50 PERCENT EXCEEDS	108		97		60	
90 PERCENT EXCEEDS	23		8.1		5.5	

a Aug. 13-17, Sept. 4-28, Sept. 30 to Dec. 6, 1908.
 b From floodmarks.
 c Greater part of period August to December 1908.



MONONGAHELA RIVER BASIN

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 September 2003.

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.--No estimated daily discharges. Records good except those prior to May 18 (lagging intake), which are fair.

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)
Jan 6	2400	*723	*3.03	No peak greater than base discharge.			

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	105	179	66	62	126	426	67	69	9.6	6.0	20
2	32	95	214	60	57	124	352	65	58	7.5	6.4	16
3	28	92	218	57	55	119	336	63	54	6.4	7.0	10
4	24	102	197	89	56	113	320	59	47	6.3	4.3	7.3
5	21	137	169	328	58	108	292	56	40	30	3.9	5.5
6	19	154	144	685	60	105	262	51	46	27	4.3	4.4
7	17	154	128	692	64	107	229	47	44	13	3.4	3.5
8	15	141	130	594	71	269	200	42	34	23	4.3	3.0
9	14	118	126	533	93	393	173	38	52	30	7.3	2.6
10	13	99	136	428	189	400	147	36	39	17	6.4	2.3
11	12	84	206	349	266	345	123	34	30	12	5.3	2.3
12	12	83	249	565	279	297	103	36	28	9.4	11	2.4
13	11	97	255	606	272	253	86	38	24	7.2	5.8	2.4
14	15	101	236	585	261	215	71	40	23	25	5.0	2.3
15	19	99	200	562	293	186	60	51	31	20	10	2.4
16	23	95	170	450	314	164	50	64	28	25	12	2.4
17	29	88	147	348	322	145	43	70	31	17	11	2.6
18	35	85	128	269	306	129	37	70	23	15	7.9	3.1
19	80	96	113	213	273	120	33	62	18	28	5.8	2.8
20	104	147	99	179	239	112	30	216	15	47	13	3.2
21	103	177	87	153	213	107	27	227	13	25	25	2.8
22	88	184	81	131	196	100	26	160	13	17	17	2.4
23	71	183	82	122	181	109	30	139	13	13	9.7	3.9
24	61	173	98	118	165	148	35	166	11	11	6.7	2.5
25	58	169	104	125	152	169	42	177	9.9	9.6	5.4	2.1
26	53	170	104	119	141	176	53	152	9.0	9.4	4.3	3.1
27	48	166	103	104	131	179	61	121	7.9	17	4.1	3.8
28	45	165	94	85	124	208	66	121	7.2	15	9.7	2.8
29	46	169	85	76	---	462	66	137	8.1	11	11	6.7
30	87	166	78	71	---	556	66	104	26	8.4	11	4.2
31	104	---	72	67	---	529	---	85	---	6.9	13	---
TOTAL	1,324	3,894	4,432	8,829	4,893	6,573	3,845	2,794	852.1	518.7	257.0	134.8
MEAN	42.7	130	143	285	175	212	128	90.1	28.4	16.7	8.29	4.49
MAX	104	184	255	692	322	556	426	227	69	47	25	20
MIN	11	83	72	57	55	100	26	34	7.2	6.3	3.4	2.1
CFSM	0.68	2.05	2.26	4.51	2.77	3.35	2.03	1.43	0.45	0.26	0.13	0.07
IN.	0.78	2.29	2.61	5.20	2.88	3.87	2.26	1.64	0.50	0.31	0.15	0.08

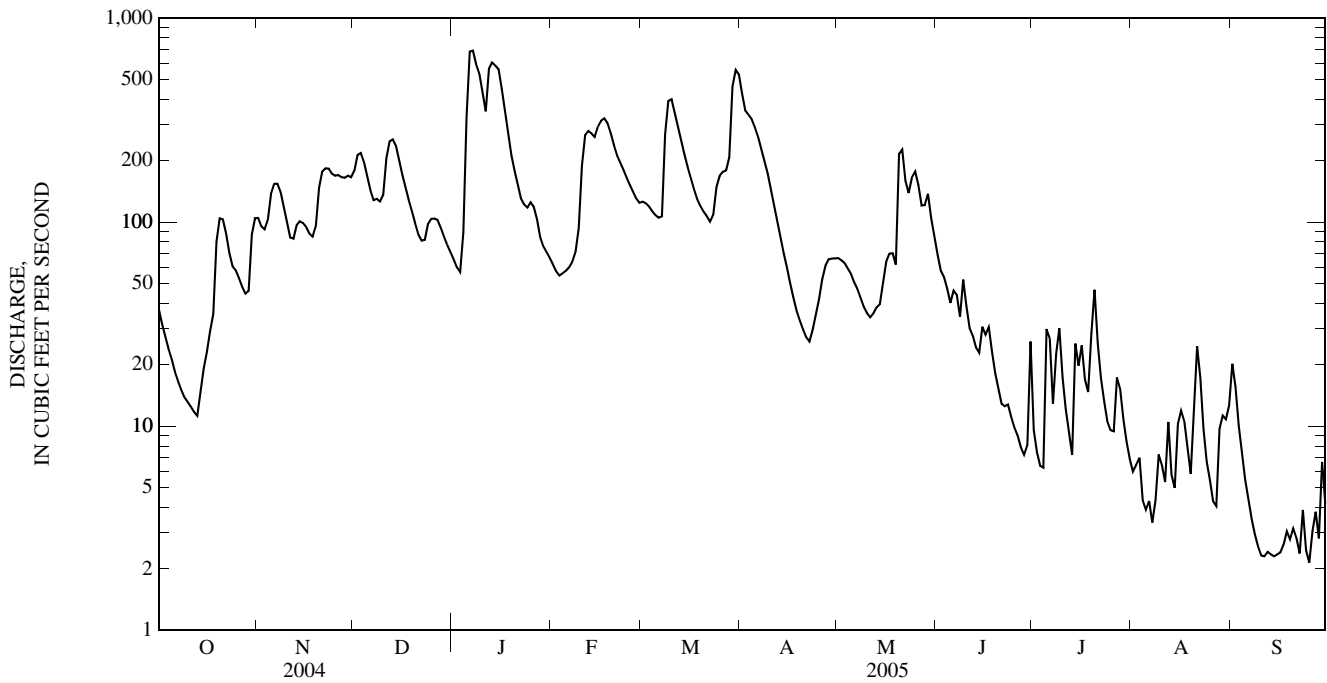
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2005, BY WATER YEAR (WY)

MEAN	23.9	64.7	134	174	177	215	153	120	72.2	45.2	45.4	27.7
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1946 - 2005	
ANNUAL TOTAL	46,995.6		38,346.6		105	
ANNUAL MEAN	128		105		193	
HIGHEST ANNUAL MEAN					54.8	
LOWEST ANNUAL MEAN					1966	
HIGHEST DAILY MEAN	1,000	Feb 6	692	Jan 7	2,740	Aug 6, 1956
LOWEST DAILY MEAN	5.9	Jul 18	2.1	Sep 25	0.30	Sep 3, 1966
ANNUAL SEVEN-DAY MINIMUM	8.8	Jul 13	2.4	Sep 10	0.60	Sep 6, 1964
MAXIMUM PEAK FLOW			723	Jan 6	7,550	Aug 18, 1980
MAXIMUM PEAK STAGE			3.03	Jan 6	(a)12.36	Aug 18, 1980
INSTANTANEOUS LOW FLOW			2.1	(b)	(c)	(c)
ANNUAL RUNOFF (CFSM)	2.03		1.66		1.66	
ANNUAL RUNOFF (INCHES)	27.66		22.57		22.51	
10 PERCENT EXCEEDS	268		261		253	
50 PERCENT EXCEEDS	94		65		51	
90 PERCENT EXCEEDS	12		5.8		4.8	

a From floodmarks.
 b Sept. 25, 26.
 c Unknown.



MONONGAHELA RIVER BASIN
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 NGVD 12. 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)
Mar 24	0630	8,150	6.45	Mar 29	0500	*9,400	*6.87

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	718	718	2,500	547	e260	562	1,640	3,240	373	44	153	316
2	529	587	2,270	529	238	466	2,180	2,090	313	40	140	208
3	449	729	1,550	524	240	429	2,310	1,440	300	49	116	139
4	360	1,500	1,110	1,290	239	477	1,790	1,040	299	111	96	103
5	289	2,740	856	2,460	244	435	1,920	799	254	123	81	82
6	244	1,740	743	2,330	278	408	1,610	656	215	93	80	69
7	213	1,200	923	1,930	300	629	1,250	564	202	62	619	59
8	189	888	1,140	1,790	544	3,270	1,700	502	182	1,620	331	52
9	169	680	1,050	1,720	1,360	2,050	1,420	419	173	857	423	46
10	157	551	1,770	1,350	2,890	1,350	1,130	367	231	374	874	41
11	146	471	1,750	1,050	1,730	1,040	906	1,040	247	215	485	38
12	135	590	1,540	1,020	1,220	859	736	770	229	155	317	35
13	126	896	1,280	975	935	716	631	607	175	225	231	32
14	151	690	1,040	2,260	1,140	605	530	500	153	233	180	30
15	173	604	857	2,030	1,890	542	447	640	134	220	145	28
16	197	545	790	1,450	1,730	532	380	615	117	377	146	27
17	320	489	719	1,100	1,600	496	334	525	130	1,110	193	26
18	262	525	613	880	1,180	493	307	441	120	829	146	25
19	228	602	605	789	893	635	284	375	97	826	121	24
20	375	808	506	725	761	999	262	2,520	85	1,060	146	24
21	693	838	536	595	1,010	1,040	244	2,870	76	606	133	23
22	511	745	588	e500	1,630	975	257	1,610	77	531	159	22
23	411	667	1,610	e400	1,370	2,530	537	1,170	79	516	111	22
24	579	659	2,270	e340	1,120	6,400	568	2,190	71	404	84	22
25	820	1,370	1,470	e360	921	3,030	549	2,080	58	298	70	21
26	618	1,330	1,060	e390	739	1,970	885	1,520	50	270	61	23
27	524	1,090	830	e350	619	1,820	1,250	1,090	43	216	134	35
28	541	1,250	753	285	595	4,510	1,030	829	38	240	458	40
29	948	1,180	626	e280	---	7,290	826	701	39	284	277	39
30	1,390	992	532	e300	---	3,400	2,040	546	44	225	167	53
31	951	---	482	e280	---	2,200	---	453	---	183	133	---
TOTAL	13,416	27,674	34,369	30,829	27,676	52,158	29,953	34,209	4,604	12,396	6,810	1,704
MEAN	433	922	1,109	994	988	1,683	998	1,104	153	400	220	56.8
MAX	1,390	2,740	2,500	2,460	2,890	7,290	2,310	3,240	373	1,620	874	316
MIN	126	471	482	280	238	408	244	367	38	40	61	21
CFSM	1.24	2.64	3.18	2.85	2.83	4.82	2.86	3.16	0.44	1.15	0.63	0.16
IN.	1.43	2.95	3.66	3.29	2.95	5.56	3.19	3.65	0.49	1.32	0.73	0.18

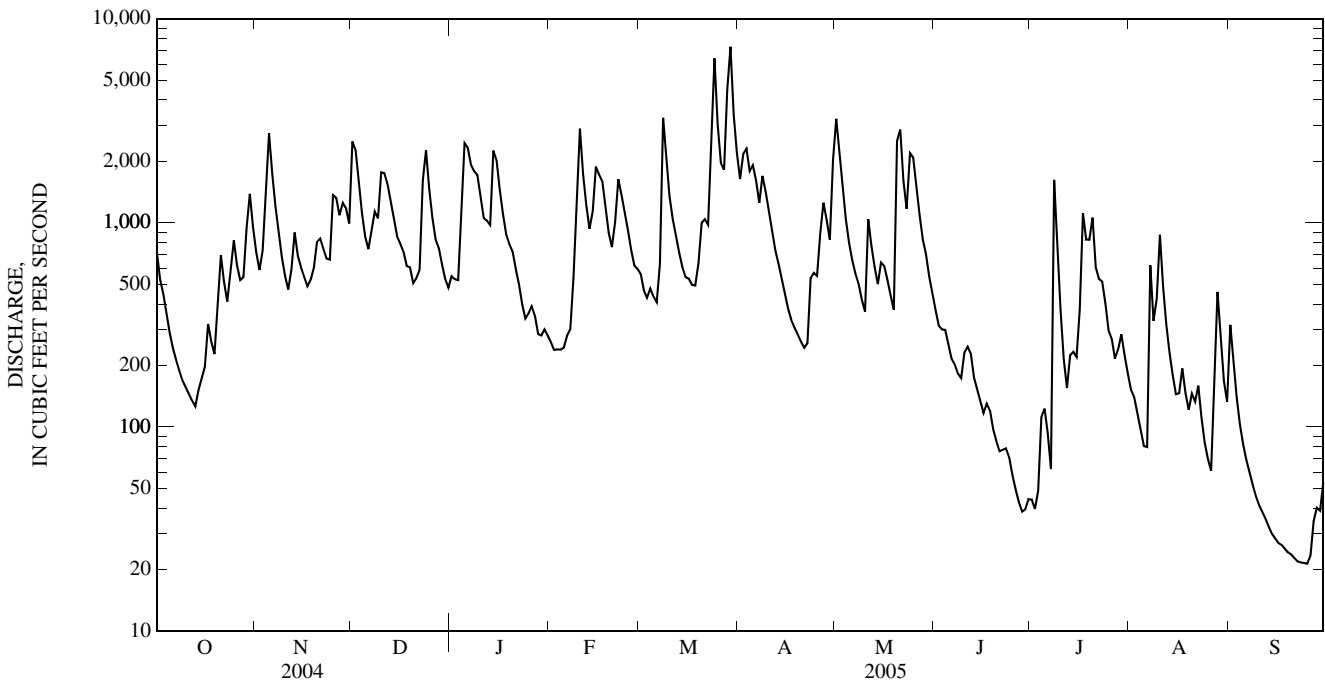
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2005, BY WATER YEAR (WY)

MEAN	365	683	949	1,026	1,199	1,558	1,215	933	543	388	335	274
MAX	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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1941 - 2005	
ANNUAL TOTAL	361,727		275,798			
ANNUAL MEAN	988		756		786	
HIGHEST ANNUAL MEAN					1,435	1996
LOWEST ANNUAL MEAN					510	1959
HIGHEST DAILY MEAN	7,180	Feb 6	7,290	Mar 29	34,000	Nov 5, 1985
LOWEST DAILY MEAN	47	Sep 7	21	Sep 25	2.4	(a)
ANNUAL SEVEN-DAY MINIMUM	69	Aug 24	22	Sep 20	3.5	Aug 28, 1993
MAXIMUM PEAK FLOW			9,400	Mar 29	(b)100,000	Nov 5, 1985
MAXIMUM PEAK STAGE			6.87	Mar 29	(c)20.74	Nov 5, 1985
INSTANTANEOUS LOW FLOW			21	(d)	2.2	Sep 1, 1993
ANNUAL RUNOFF (CFSM)	2.83		2.17		2.25	
ANNUAL RUNOFF (INCHES)	38.56		29.40		30.62	
10 PERCENT EXCEEDS	2,240		1,740		1,830	
50 PERCENT EXCEEDS	667		531		432	
90 PERCENT EXCEEDS	152		70		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. 23, 24, 25.
- e Estimated



MONONGAHELA RIVER BASIN

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. WDR WV-04-1: 1993(M), 1994(P), 1995(M).

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)
Mar 29	1730	*1,270	*5.72	No other peak greater than base discharge.			

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109	149	315	121	e43	93	265	359	65	9.5	15	36
2	88	119	367	113	e42	e72	293	258	55	8.8	13	38
3	87	150	262	116	e42	e64	367	188	58	8.0	11	23
4	78	235	210	266	e41	e74	300	144	53	7.8	9.5	16
5	69	385	184	420	e39	e68	317	112	44	12	8.4	12
6	61	309	167	518	e42	e64	239	92	39	18	10	10
7	50	228	193	429	e85	e90	194	81	35	13	63	8.5
8	45	189	237	335	161	e430	268	73	31	183	46	7.4
9	40	155	210	285	342	e260	212	62	30	133	53	7.1
10	38	134	268	210	461	e190	153	55	58	55	67	6.8
11	34	117	273	172	e315	143	125	57	94	32	35	6.5
12	31	142	247	241	203	126	106	81	41	44	24	6.3
13	29	193	215	215	147	115	96	61	30	111	18	6.0
14	33	151	193	340	215	101	85	48	27	65	15	5.7
15	38	119	176	300	370	92	70	67	28	41	12	5.5
16	51	101	202	201	273	85	61	56	26	95	12	5.5
17	103	88	194	e150	239	79	54	46	31	131	14	5.5
18	92	97	159	e110	166	87	49	41	25	68	e12	5.4
19	88	110	139	e105	e140	127	46	38	22	53	e12	5.0
20	97	137	e100	e95	170	193	44	277	20	53	12	5.0
21	163	145	e80	e83	218	167	41	374	18	36	19	5.0
22	145	124	133	e68	263	156	48	201	20	33	16	4.9
23	105	105	313	e54	175	385	130	135	23	32	12	5.0
24	107	104	351	e58	137	763	114	277	18	26	10	5.0
25	150	209	206	e64	126	610	121	308	14	23	8.6	5.0
26	122	229	176	e55	111	342	199	210	12	26	7.4	5.5
27	97	193	e155	e49	98	276	196	147	9.7	22	9.0	6.9
28	105	193	e140	e44	97	464	169	117	9.3	21	71	5.9
29	124	198	e125	e47	---	1,110	127	116	11	26	63	6.2
30	232	168	115	e45	---	890	233	88	10	22	31	6.7
31	201	---	109	e44	---	401	---	79	---	17	25	---
TOTAL	2,812	4,976	6,214	5,353	4,761	8,117	4,722	4,248	957.0	1,425.1	733.9	277.3
MEAN	90.7	166	200	173	170	262	157	137	31.9	46.0	23.7	9.24
MAX	232	385	367	518	461	1,110	367	374	94	183	71	38
MIN	29	88	80	44	39	64	41	38	9.3	7.8	7.4	4.9
CFSM	1.66	3.03	3.66	3.16	3.11	4.79	2.88	2.51	0.58	0.84	0.43	0.17
IN.	1.91	3.38	4.23	3.64	3.24	5.52	3.21	2.89	0.65	0.97	0.50	0.19

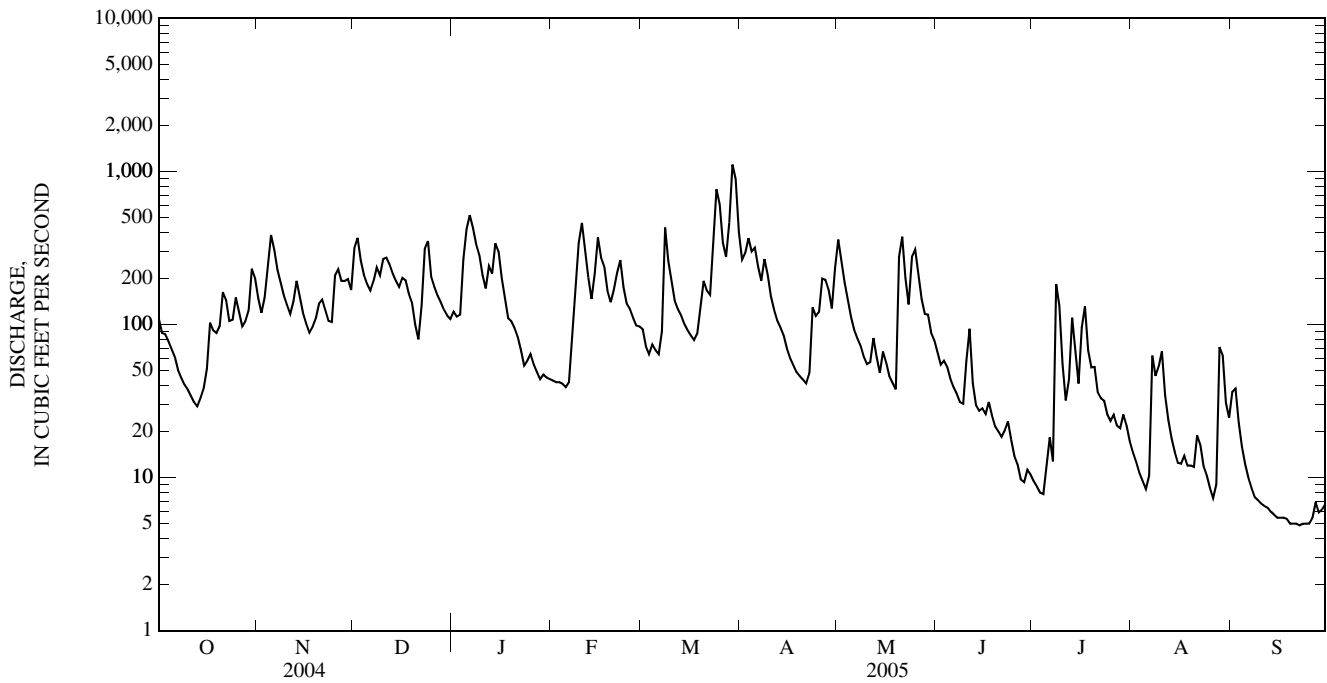
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2005, BY WATER YEAR (WY)

MEAN	58.5	144	180	200	245	325	189	183	91.8	92.2	77.5	77.6
MAX	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	9.24
(WY)	(1995)	(1992)	(1995)	(2003)	(1993)	(1995)	(1995)	(1993)	(1994)	(1993)	(1993)	(2005)

03065400 BLACKWATER RIVER NEAR DAVIS, WV—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1992 - 2005	
ANNUAL TOTAL	62,669.3		44,596.3		158	
ANNUAL MEAN	171		122		101	
HIGHEST ANNUAL MEAN					220	1996
LOWEST ANNUAL MEAN					101	1995
HIGHEST DAILY MEAN	1,350	Feb 7	1,110	Mar 29	(e)3,800	Feb 9, 1994
LOWEST DAILY MEAN	8.7	Sep 6	4.9	Sep 22	4.0	Aug 30, 1993
ANNUAL SEVEN-DAY MINIMUM	10	Sep 1	5.0	Sep 19	4.9	Aug 28, 1993
MAXIMUM PEAK FLOW			1,270	Mar 29	4,050	Feb 9, 1994
MAXIMUM PEAK STAGE			5.72	Mar 29	(a)10.51	Jan 19, 1996
INSTANTANEOUS LOW FLOW			4.6	(b)	4.0	(c)
ANNUAL RUNOFF (CFSM)	3.13		2.23		2.89	
ANNUAL RUNOFF (INCHES)	42.62		30.33		39.27	
10 PERCENT EXCEEDS	352		274		374	
50 PERCENT EXCEEDS	119		88		96	
90 PERCENT EXCEEDS	30		10		14	

a From floodmarks.
 b Sept. 22, 23.
 c July 25, 26, Aug. 29-31, 1993.
 e Estimated



MONONGAHELA RIVER BASIN
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 (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)
Mar 29	1400	*2,140	*7.59	No other peak greater than base discharge.			

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	147	164	697	190	e66	136	389	538	106	20	27	69
2	118	142	569	175	e65	108	484	358	93	17	24	58
3	117	232	343	189	e64	e100	560	271	98	15	21	37
4	100	428	249	472	e61	e110	452	212	90	16	18	26
5	83	704	211	738	e59	e105	497	171	77	225	16	20
6	73	439	206	800	e64	e98	354	146	66	64	18	16
7	65	275	301	618	e120	196	294	131	59	39	75	14
8	59	212	361	514	310	666	470	119	52	500	81	13
9	54	173	282	420	616	421	330	104	58	264	99	12
10	52	151	460	308	802	280	238	97	170	119	116	11
11	49	137	426	255	436	215	197	146	219	64	56	10
12	45	217	341	423	295	190	170	212	96	84	38	9.6
13	45	259	272	345	225	173	151	133	61	279	29	9.1
14	52	173	232	578	400	149	133	101	53	122	23	8.8
15	59	137	207	444	625	137	118	132	53	81	20	8.6
16	90	124	191	299	433	129	104	109	49	160	19	8.9
17	160	116	187	232	376	121	94	90	60	268	21	8.9
18	107	149	175	e170	253	138	87	79	48	145	18	8.4
19	117	171	145	e160	231	205	83	73	40	142	19	8.0
20	147	212	138	e150	213	308	79	599	37	149	20	7.8
21	263	193	e100	e130	371	253	75	579	33	84	72	7.6
22	183	156	166	e110	397	235	90	295	37	72	45	7.4
23	129	136	552	e82	264	698	211	216	44	69	25	7.1
24	176	161	542	e86	211	1,160	181	446	32	52	18	7.0
25	209	363	291	e98	192	819	193	468	26	47	15	7.3
26	147	295	217	e85	169	513	332	311	22	53	14	8.5
27	125	214	176	e76	152	429	324	219	19	44	20	11
28	145	284	e170	e68	150	867	247	181	18	42	135	11
29	191	271	e165	e72	---	1,970	192	179	25	45	98	11
30	382	209	155	e70	---	1,200	357	142	25	39	51	13
31	237	---	168	e67	---	585	---	126	---	33	44	---
TOTAL	3,926	6,897	8,695	8,424	7,620	12,714	7,486	6,983	1,866	3,353	1,295	455.0
MEAN	127	230	280	272	272	410	250	225	62.2	108	41.8	15.2
MAX	382	704	697	800	802	1,970	560	599	219	500	135	69
MIN	45	116	100	67	59	98	75	73	18	15	14	7.0
CFSM	1.47	2.68	3.27	3.16	3.17	4.77	2.90	2.62	0.72	1.26	0.49	0.18
IN.	1.70	2.99	3.77	3.65	3.30	5.51	3.24	3.02	0.81	1.45	0.56	0.20

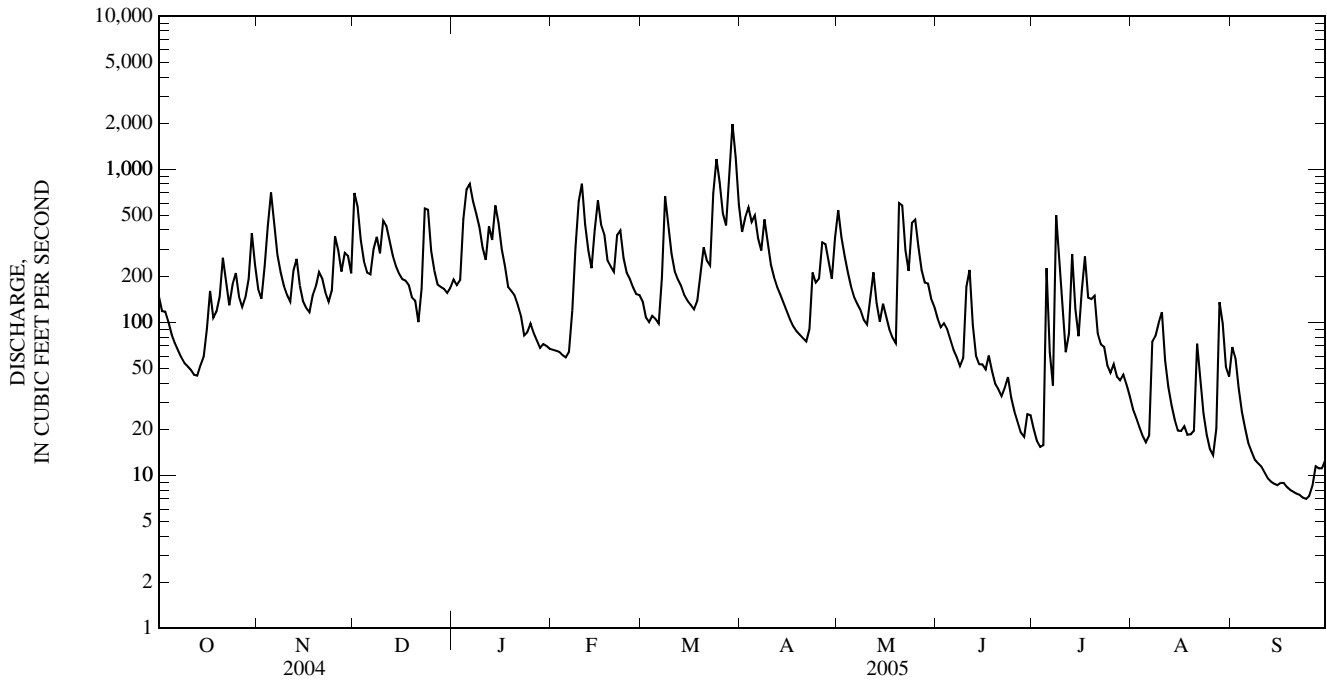
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2005, BY WATER YEAR (WY)

MEAN	107	172	244	270	321	393	298	224	143	107	101	78.2
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1921 - 2005	
ANNUAL TOTAL	94,926		69,714.0		204	
ANNUAL MEAN	259		191		362	
HIGHEST ANNUAL MEAN					125	1996
LOWEST ANNUAL MEAN					9,470	1959
HIGHEST DAILY MEAN	2,020	Feb 7	1,970	Mar 29	2.4	Nov 5, 1985
LOWEST DAILY MEAN	15	Sep 6	7.0	Sep 24	1.6	Sep 11, 1959
ANNUAL SEVEN-DAY MINIMUM	17	Sep 1	7.5	Sep 19	2.4	Oct 1, 1953
MAXIMUM PEAK FLOW			2,140	Mar 29	(a)12,500	Nov 5, 1985
MAXIMUM PEAK STAGE			7.59	Mar 29	(b)17.67	Nov 5, 1985
INSTANTANEOUS LOW FLOW			6.8	(c)	(d)1.5	(f)
ANNUAL RUNOFF (CFSM)	3.02		2.22		2.38	
ANNUAL RUNOFF (INCHES)	41.11		30.19		32.29	
10 PERCENT EXCEEDS	556		441		480	
50 PERCENT EXCEEDS	167		137		113	
90 PERCENT EXCEEDS	45		19		19	

- a From rating curve extended above 7,000 ft³/s.
- b From floodmarks.
- c Sept. 23, 24.
- 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.--60.2 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 and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 1	1100	1,520	8.85	Apr 8	0400	1,820	9.36
Mar 23	2400	2,580	10.42	May 20	1400	1,630	9.05
Mar 28	1300	*5,360	*13.38	Jul 8	0500	2,030	9.67
Apr 2	1200	2,450	10.25				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	199	94	849	140	e45	100	523	641	75	85	34	55
2	158	82	395	139	e44	e84	1,270	331	70	30	77	37
3	134	110	254	152	e43	e66	600	235	118	19	33	27
4	110	548	195	430	e40	e77	379	183	105	15	23	21
5	93	435	165	466	e37	e79	377	150	78	13	18	18
6	79	235	176	371	e45	e74	363	130	64	12	18	17
7	70	177	272	329	e56	112	307	117	56	22	26	15
8	62	144	284	342	e95	e400	928	108	49	869	20	13
9	57	118	287	277	e180	e260	370	92	47	163	112	12
10	53	103	421	211	500	e170	258	85	44	79	e130	11
11	48	98	386	177	457	e140	206	94	38	50	e50	11
12	43	189	277	159	241	e120	175	89	32	37	e29	9.8
13	45	183	216	144	203	e105	152	74	30	52	23	9.0
14	82	130	e160	725	237	e97	132	75	28	81	20	8.6
15	80	112	e140	305	342	e92	132	222	25	67	17	8.5
16	122	102	e125	207	335	e87	115	130	24	204	53	8.4
17	132	94	e120	167	286	e82	100	98	24	338	56	8.6
18	91	117	e105	e120	e210	e85	88	82	22	209	31	9.0
19	85	163	e86	e110	e160	e100	80	74	21	242	67	7.8
20	165	225	e74	e105	e150	e130	73	813	19	198	53	7.4
21	158	174	e130	e92	e280	e120	68	425	18	116	33	7.2
22	115	145	e700	e76	623	e110	109	223	17	95	24	7.1
23	95	126	e680	e62	281	643	196	184	16	73	19	7.0
24	158	208	e320	e56	208	1,190	154	282	14	55	17	7.3
25	165	414	e230	e63	167	381	139	248	13	47	16	7.2
26	118	231	e170	e66	134	337	188	186	12	45	15	7.9
27	105	180	e140	e54	123	506	325	147	11	42	95	21
28	118	586	e130	e47	116	2,440	211	126	13	52	141	14
29	121	305	e125	e50	---	1,710	161	114	41	78	60	12
30	139	222	e120	e47	---	689	793	98	31	44	39	18
31	111	---	e130	e46	---	615	---	86	---	41	37	---
TOTAL	3,311	6,050	7,862	5,735	5,638	11,201	8,972	5,942	1,155	3,473	1,386	422.8
MEAN	107	202	254	185	201	361	299	192	38.5	112	44.7	14.1
MAX	199	586	849	725	623	2,440	1,270	813	118	869	141	55
MIN	43	82	74	46	37	66	68	74	11	12	15	7.0
CFSM	1.77	3.35	4.21	3.07	3.34	6.00	4.97	3.18	0.64	1.86	0.74	0.23
IN.	2.05	3.74	4.86	3.54	3.48	6.92	5.54	3.67	0.71	2.15	0.86	0.26

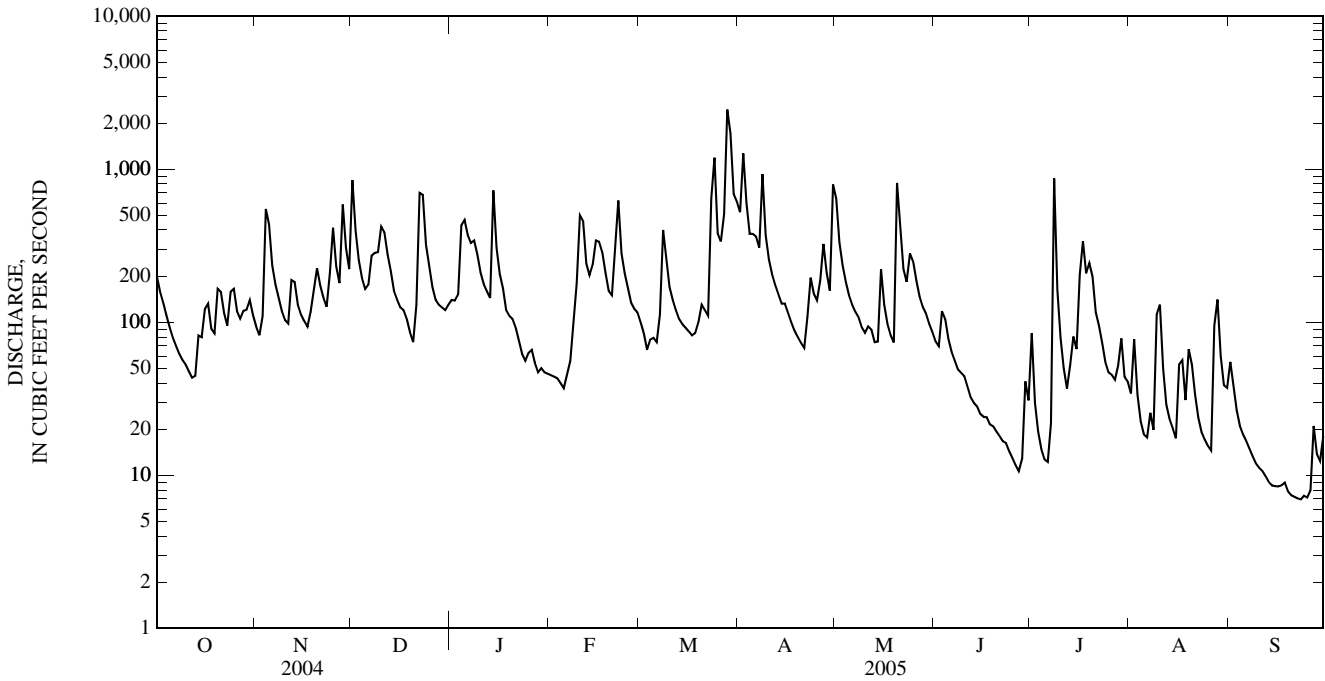
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	117	211	173	180	189	397	347	262	135	118	50.3	168
MAX	218	365	254	222	285	523	386	305	321	213	73.6	299
(WY)	(2003)	(2004)	(2005)	(2004)	(2003)	(2003)	(2004)	(2003)	(2003)	(2002)	(2003)	(2004)
MIN	12.4	13.9	66.8	138	105	272	299	192	38.5	46.0	37.6	14.1
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2005)	(2005)	(2005)	(2004)	(2002)	(2005)

03067510 SHAVERS FORK NEAR CHEAT BRIDGE, WV—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005	
ANNUAL TOTAL	77,351		61,147.8			
ANNUAL MEAN	211		168		195	
HIGHEST ANNUAL MEAN					253 2003	
LOWEST ANNUAL MEAN					139 2002	
HIGHEST DAILY MEAN	2,280	Apr 13	2,440	Mar 28	3,040	Nov 19, 2003
LOWEST DAILY MEAN	12	(a)	7.0	Sep 23	4.2	Sep 13, 2002
ANNUAL SEVEN-DAY MINIMUM	14	Sep 1	7.3	Sep 19	5.3	Sep 9, 2002
MAXIMUM PEAK FLOW			5,360	Mar 28	7,600	Nov 19, 2003
MAXIMUM PEAK STAGE			13.38	Mar 28	15.57	Nov 19, 2003
INSTANTANEOUS LOW FLOW			6.5	Sep 23	4.1	(b)
ANNUAL RUNOFF (CFSM)	3.51		2.78		3.25	
ANNUAL RUNOFF (INCHES)	47.80		37.79		44.11	
10 PERCENT EXCEEDS	425		373		421	
50 PERCENT EXCEEDS	125		105		114	
90 PERCENT EXCEEDS	34		17		20	

a Sept. 4, 5.
 b 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 or no 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)
Dec 23	2000	5,090	8.46	Apr 2	1800	3,780	7.89
Mar 24	0400	6,910	9.10	May 20	1900	4,070	8.03
Mar 28	1800	*13,400	*10.74				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	476	278	1,500	295	e120	283	1,160	2,130	219	66	111	126
2	365	244	1,200	324	117	219	1,900	1,090	190	101	95	122
3	320	330	739	306	116	184	1,590	737	194	81	115	92
4	259	854	556	685	110	213	964	545	254	51	82	71
5	214	1,440	439	1,250	98	219	968	423	197	45	62	59
6	181	769	386	956	111	204	859	350	171	42	52	50
7	157	549	473	887	141	290	725	301	153	46	162	44
8	140	423	636	858	221	1,140	1,530	267	129	1,690	105	39
9	125	339	526	826	456	734	970	233	120	617	187	35
10	114	281	908	621	1,160	486	667	232	139	273	462	32
11	105	246	949	502	691	403	517	509	174	174	224	29
12	96	316	835	453	467	327	421	409	145	130	139	27
13	90	535	644	406	370	285	360	327	108	114	103	24
14	93	374	529	1,440	501	269	304	276	98	165	80	22
15	131	303	420	1,020	833	254	263	523	85	178	68	20
16	159	267	348	655	844	239	242	488	78	283	63	19
17	235	242	328	507	891	223	212	344	82	574	98	18
18	200	267	296	341	584	222	189	282	72	666	109	18
19	159	390	284	e300	420	264	170	245	64	813	90	17
20	266	570	208	e290	363	358	155	1,930	62	843	142	16
21	480	540	169	e250	459	347	144	1,590	55	455	168	16
22	315	437	286	e210	1,430	313	159	782	53	385	112	14
23	251	370	1,610	e170	834	989	341	623	49	312	76	14
24	338	349	1,590	e150	623	4,080	389	1,080	44	233	60	15
25	507	912	725	e160	493	1,360	349	1,000	39	184	51	14
26	352	761	504	e180	390	915	456	705	35	168	45	15
27	287	539	403	e150	326	1,060	749	529	32	141	66	e22
28	269	887	309	e120	316	5,430	637	426	29	181	279	e18
29	340	804	303	e130	---	5,210	479	366	53	184	201	e25
30	440	571	286	e140	---	1,920	1,450	298	93	165	123	e37
31	343	---	269	e130	---	1,330	---	254	---	130	103	---
TOTAL	7,807	15,187	18,658	14,712	13,485	29,770	19,319	19,294	3,216	9,490	3,833	1,070
MEAN	252	506	602	475	482	960	644	622	107	306	124	35.7
MAX	507	1,440	1,610	1,440	1,430	5,430	1,900	2,130	254	1,690	462	126
MIN	90	242	169	120	98	184	144	232	29	42	45	14
CFSM	1.67	3.35	3.99	3.14	3.19	6.36	4.26	4.12	0.71	2.03	0.82	0.24
IN.	1.92	3.74	4.60	3.62	3.32	7.33	4.76	4.75	0.79	2.34	0.94	0.26

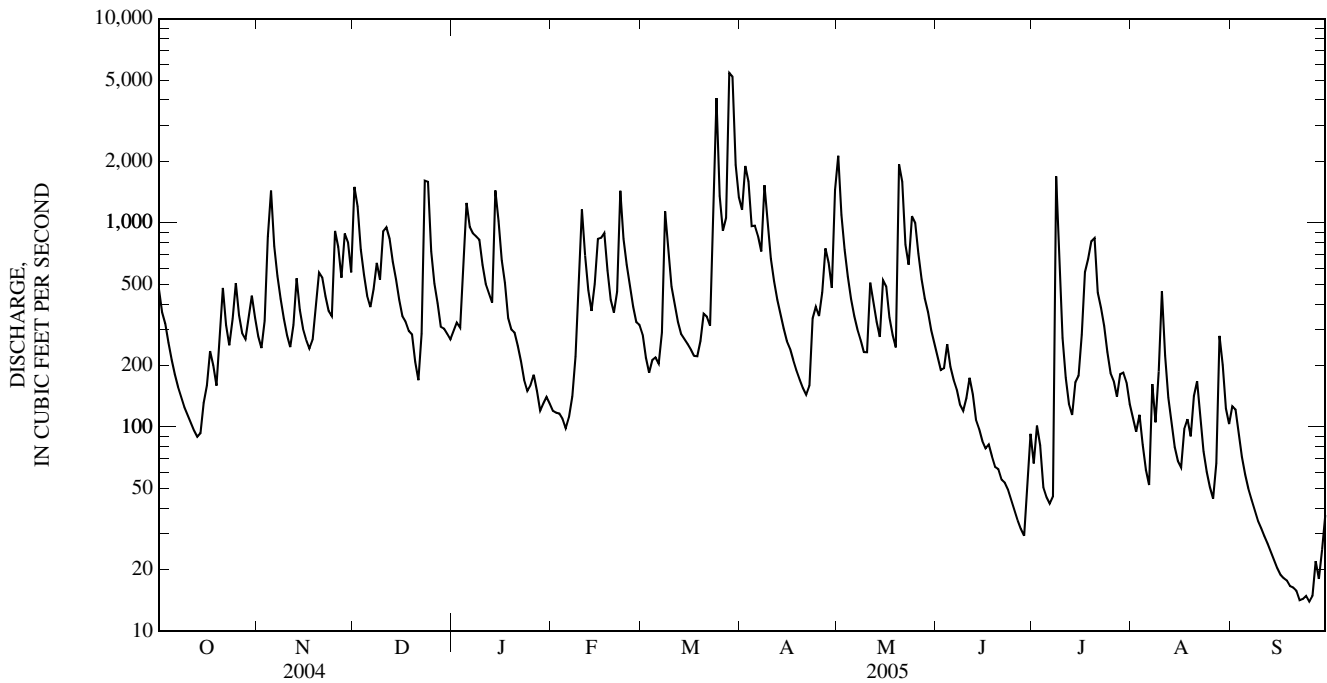
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2005, BY WATER YEAR (WY)

	284	385	478	524	556	822	673	528	411	277	199	230
MEAN	284	385	478	524	556	822	673	528	411	277	199	230
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	35.7
(WY)	(2002)	(2002)	(2002)	(1977)	(1978)	(1976)	(1976)	(1977)	(1999)	(1999)	(1999)	(2005)

03068800 SHAVERS FORK BELOW BOWDEN, WV—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1973 - 2005	
ANNUAL TOTAL	188,851		155,841		447	
ANNUAL MEAN	516		427		321	
HIGHEST ANNUAL MEAN					637	
LOWEST ANNUAL MEAN					321	
HIGHEST DAILY MEAN	5,300	Mar 6	5,430	Mar 28	9,010	Feb 19, 2000
LOWEST DAILY MEAN	32	Sep 7	14	(a)	9.5	Sep 14, 2002
ANNUAL SEVEN-DAY MINIMUM	52	Aug 24	15	Sep 20	11	Sep 10, 2002
MAXIMUM PEAK FLOW			13,400	Mar 28	(b)22,900	Nov 19, 2003
MAXIMUM PEAK STAGE			10.74	Mar 28	12.37	Nov 19, 2003
INSTANTANEOUS LOW FLOW			13	(c)	9.1	(d)
ANNUAL RUNOFF (CFSM)	3.42		2.83		2.96	
ANNUAL RUNOFF (INCHES)	46.52		38.39		40.24	
10 PERCENT EXCEEDS	1,010		929		968	
50 PERCENT EXCEEDS	328		279		270	
90 PERCENT EXCEEDS	106		51		62	

- a Sept. 22, 23, 25.
- b From rating curve extended above 6,700 ft³/s.
- c Sept. 22, 23, 25, 26.
- 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 NGVD 12. 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.--No estimated daily discharges. Records good.

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)
Mar 24	0800	19,700	10.69	Mar 29	0600	*24,800	*11.73

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,590	1,460	6,030	1,260	596	1,300	4,030	8,150	889	186	341	606
2	1,170	1,200	5,860	1,300	584	1,030	5,040	4,870	750	156	303	477
3	1,050	1,550	3,540	1,250	579	866	6,220	3,230	706	205	260	343
4	841	3,340	2,500	3,120	576	893	4,200	2,340	732	262	252	252
5	670	6,930	1,950	6,770	535	1,010	4,480	1,820	678	381	203	203
6	562	4,020	1,670	6,000	544	923	3,670	1,510	558	317	174	170
7	492	2,650	2,060	4,790	684	1,350	2,880	1,300	506	200	729	149
8	437	1,970	2,760	4,230	1,210	7,320	4,610	1,150	454	3,940	598	133
9	391	1,530	2,430	4,110	3,040	4,620	3,750	974	456	2,550	588	118
10	359	1,260	4,050	3,040	7,160	2,850	2,670	874	766	1,080	1,520	109
11	332	1,080	4,220	2,360	4,080	2,210	2,100	1,930	904	585	965	100
12	308	1,300	3,730	2,400	2,670	1,820	1,710	1,790	791	415	588	92
13	288	2,120	2,940	2,260	2,040	1,540	1,470	1,440	513	699	426	85
14	315	1,660	2,400	5,070	2,700	1,320	1,250	1,150	421	611	329	79
15	365	1,370	1,970	4,930	4,660	1,200	1,060	1,410	376	561	267	74
16	458	1,210	1,620	3,180	4,000	1,170	905	1,590	334	819	249	71
17	819	1,080	1,590	2,390	3,780	1,100	797	1,240	364	2,200	298	67
18	704	1,160	1,410	1,700	2,670	1,080	725	1,030	332	1,840	293	64
19	597	1,460	1,350	1,450	1,950	1,360	667	869	274	1,990	257	61
20	755	2,210	999	1,440	1,690	2,110	616	5,180	241	2,480	271	59
21	1,820	2,260	982	1,240	2,250	2,200	573	7,090	222	1,440	373	57
22	1,310	1,870	1,250	1,070	4,110	1,940	595	3,550	227	1,140	419	54
23	970	1,590	3,560	823	3,240	4,510	1,230	2,470	239	1,110	268	53
24	1,190	1,520	6,420	754	2,500	14,500	1,520	4,620	210	847	198	53
25	1,900	3,240	3,340	812	2,050	6,980	1,500	4,660	178	625	163	51
26	1,410	3,360	2,300	895	1,660	4,450	2,360	3,310	156	579	144	54
27	1,130	2,470	1,770	793	1,400	4,020	3,090	2,370	139	491	196	68
28	1,120	2,700	1,370	622	1,360	10,900	2,610	1,830	126	480	971	86
29	1,790	2,930	1,340	627	---	20,100	1,980	1,610	122	612	817	89
30	2,980	2,230	1,230	661	---	8,750	4,240	1,290	155	508	454	110
31	1,990	---	1,140	613	---	5,340	---	1,080	---	411	327	---
TOTAL	30,113	64,730	79,781	71,960	64,318	120,762	72,548	77,727	12,819	29,720	13,241	3,987
MEAN	971	2,158	2,574	2,321	2,297	3,896	2,418	2,507	427	959	427	133
MAX	2,980	6,930	6,420	6,770	7,160	20,100	6,220	8,150	904	3,940	1,520	606
MIN	288	1,080	982	613	535	866	573	869	122	156	144	51
CFSM	1.35	2.99	3.56	3.22	3.18	5.40	3.35	3.47	0.59	1.33	0.59	0.18
IN.	1.55	3.34	4.11	3.71	3.31	6.22	3.74	4.00	0.66	1.53	0.68	0.21

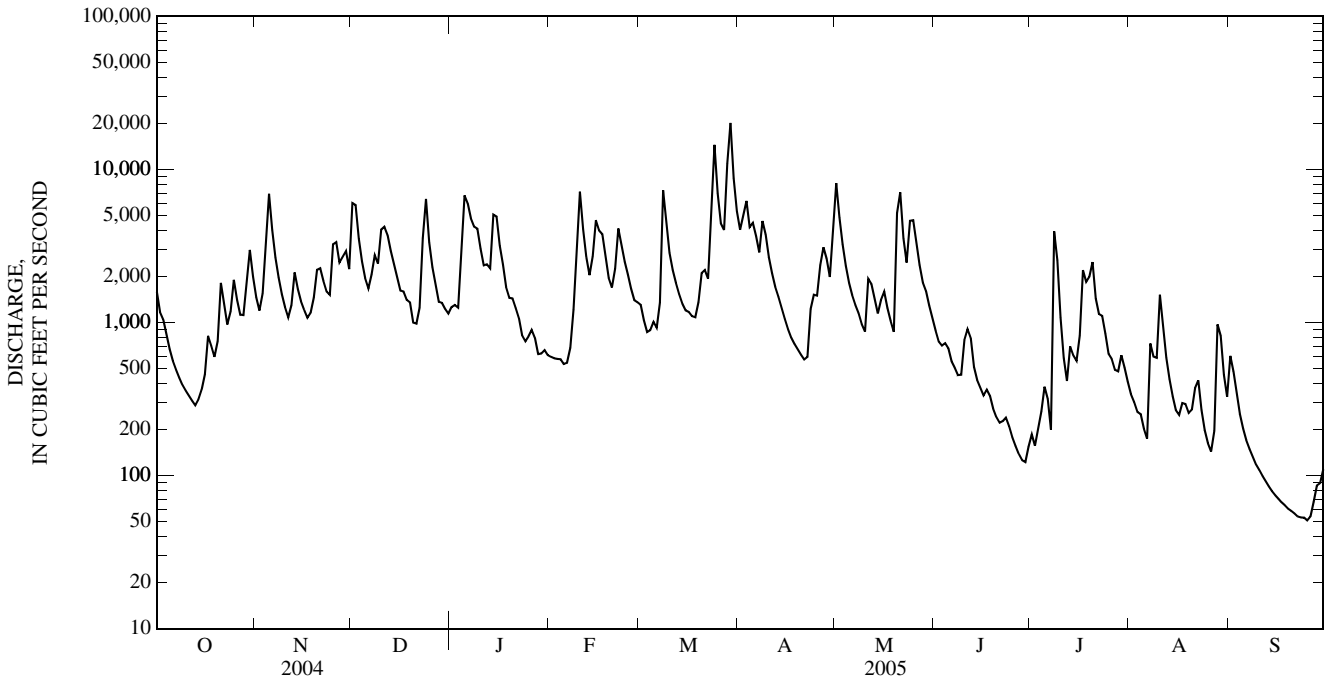
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2005, BY WATER YEAR (WY)

MEAN	888	1,441	2,074	2,330	2,593	3,268	2,581	2,051	1,256	940	846	625
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1913 - 2005	
ANNUAL TOTAL	821,764		641,706		1,736	
ANNUAL MEAN	2,245		1,758		3,124	
HIGHEST ANNUAL MEAN					1,111	1996
LOWEST ANNUAL MEAN					1,111	1930
HIGHEST DAILY MEAN	19,000	Mar 6	20,100	Mar 29	70,000	Nov 5, 1985
LOWEST DAILY MEAN	103	Sep 7	51	Sep 25	10	Aug 12, 1930
ANNUAL SEVEN-DAY MINIMUM	177	Aug 24	54	Sep 20	11	Oct 9, 1930
MAXIMUM PEAK FLOW			24,800	Mar 29	(a)170,000	Nov 5, 1985
MAXIMUM PEAK STAGE			11.73	Mar 29	(b)24.30	Nov 5, 1985
INSTANTANEOUS LOW FLOW			50	(c)	(d)9.0	Aug 12, 1930
ANNUAL RUNOFF (CFSM)	3.11		2.44		2.40	
ANNUAL RUNOFF (INCHES)	42.34		33.06		32.67	
10 PERCENT EXCEEDS	4,800		4,110		4,010	
50 PERCENT EXCEEDS	1,440		1,190		974	
90 PERCENT EXCEEDS	366		192		177	

- a From rating curve extended above 55,000 ft³/s.
- b From floodmarks.
- c Sept. 25, 26.
- d Observed.



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.

REVISED RECORDS.--WDR WV-04-1: 1998-2003(M).

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), 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)
Mar 24	1300	19,600	11.06	Mar 29	0900	*25,700	*12.17

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,090	2,060	7,020	1,350	990	1,740	5,860	10,500	1,040	173	415	564
2	1,400	1,580	9,470	1,510	936	1,480	5,780	7,490	865	195	358	654
3	1,160	1,770	5,640	1,390	1,030	1,170	9,530	4,930	755	163	321	470
4	1,010	4,110	3,760	3,820	974	1,120	6,510	3,430	743	233	291	354
5	793	10,500	2,760	10,200	840	1,260	6,690	2,540	752	281	264	278
6	662	6,530	2,190	10,000	817	1,190	5,650	2,000	662	443	222	229
7	577	4,070	2,430	7,820	992	1,730	4,290	1,660	615	299	364	197
8	516	2,810	3,890	6,570	1,710	10,700	5,300	1,440	559	2,960	697	170
9	463	2,050	3,580	6,910	4,640	8,140	5,610	1,210	494	4,130	526	149
10	424	1,600	5,300	4,910	10,900	4,710	3,810	1,030	661	1,560	1,140	134
11	389	1,330	6,570	3,630	7,230	3,370	2,890	1,780	832	778	1,220	124
12	363	1,370	6,060	4,200	4,430	2,700	2,280	2,250	888	530	704	112
13	345	2,630	4,720	3,870	3,150	2,160	1,890	1,880	662	534	507	103
14	349	2,410	3,730	6,140	3,640	1,770	1,570	1,410	507	712	397	94
15	399	1,860	2,930	8,200	7,430	1,570	1,300	1,460	462	629	322	87
16	e520	1,570	2,310	5,100	6,140	1,520	1,100	1,950	425	640	279	82
17	e970	1,370	2,130	3,670	5,790	1,470	961	1,540	404	1,990	278	77
18	e850	1,340	1,910	e2,400	4,260	1,400	867	1,230	413	2,570	303	73
19	e700	1,700	1,730	1,860	2,900	1,660	796	1,040	352	2,500	316	69
20	e900	3,290	1,730	2,030	2,370	2,650	735	3,680	305	3,110	293	66
21	e2,200	3,630	1,420	1,710	2,520	3,330	682	10,400	275	2,070	531	63
22	e1,900	2,950	1,470	1,390	5,180	2,770	787	5,530	269	1,310	498	61
23	1,300	2,330	2,950	1,550	4,870	4,310	2,240	3,460	286	1,210	406	59
24	1,190	2,000	9,300	1,210	3,630	15,700	2,640	5,200	272	1,060	282	58
25	2,400	3,910	e5,200	1,350	2,940	10,500	2,550	6,590	230	748	221	58
26	1,970	5,730	e3,500	1,560	2,280	6,720	4,240	4,870	198	650	189	58
27	1,470	3,950	e2,500	1,350	1,850	5,410	4,770	3,350	173	602	210	64
28	1,320	3,320	e1,800	949	1,720	9,870	4,100	2,450	152	553	953	67
29	1,500	4,170	1,650	892	---	22,600	2,910	2,040	161	611	1,140	98
30	4,320	3,100	1,520	1,180	---	12,600	3,860	1,600	145	591	667	104
31	3,040	---	1,340	1,130	---	7,960	---	1,260	---	507	475	---
TOTAL	37,490	91,040	112,510	109,851	96,159	155,280	102,198	101,200	14,557	34,342	14,789	4,776
MEAN	1,209	3,035	3,629	3,544	3,434	5,009	3,407	3,265	485	1,108	477	159
MAX	4,320	10,500	9,470	10,200	10,900	22,600	9,530	10,500	1,040	4,130	1,220	654
MIN	345	1,330	1,340	892	817	1,120	682	1,030	145	163	189	58
CFSM	1.33	3.33	3.98	3.89	3.77	5.50	3.74	3.58	0.53	1.22	0.52	0.17
IN.	1.53	3.72	4.59	4.49	3.93	6.34	4.17	4.13	0.59	1.40	0.60	0.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

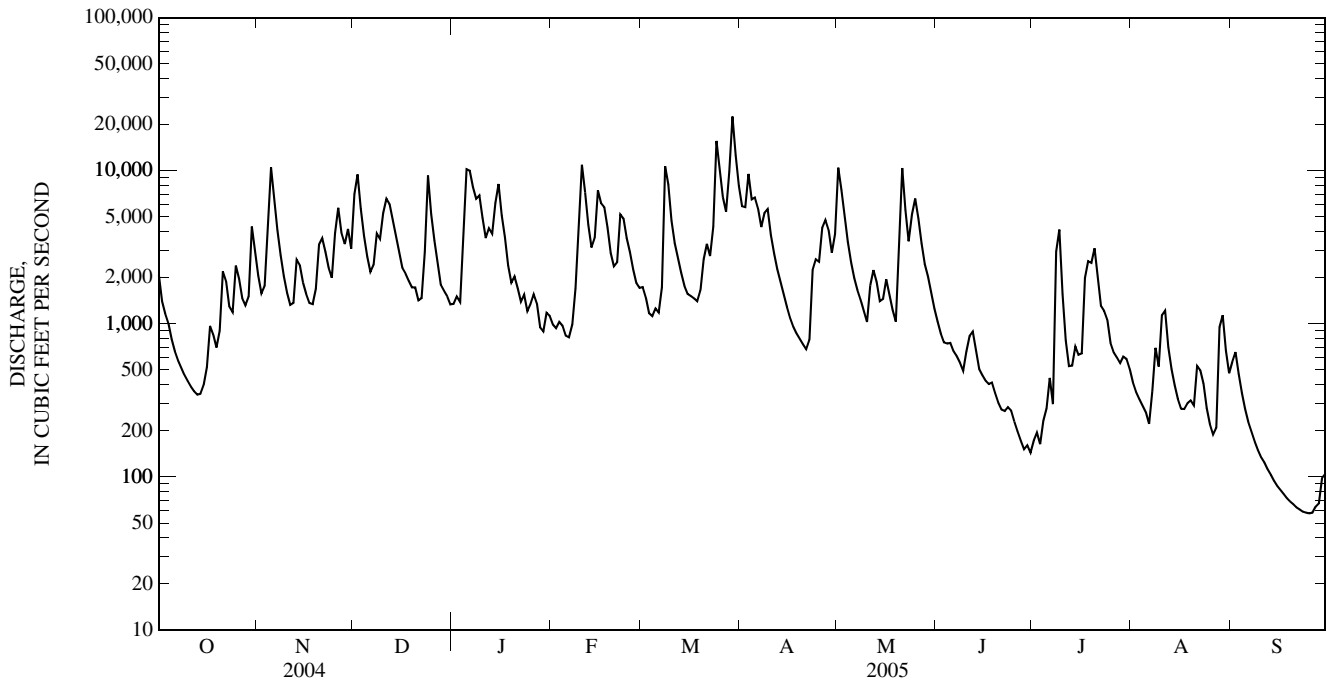
MEAN	968	2,276	2,422	3,265	3,740	4,993	4,507	3,193	2,271	1,608	755	1,195
MAX	2,010	5,082	3,629	5,751	5,499	6,894	5,929	4,425	4,601	3,879	1,508	4,257
(WY)	(2003)	(2004)	(2005)	(1998)	(2000)	(2003)	(2002)	(2002)	(2003)	(2001)	(2003)	(2003)
MIN	142	156	797	1,382	1,524	3,340	3,407	1,588	254	126	93.6	159
(WY)	(2002)	(2002)	(1999)	(2000)	(2002)	(2000)	(2005)	(1999)	(1999)	(1999)	(1999)	(2005)

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1998 - 2005	
ANNUAL TOTAL	1,133,221		874,192			
ANNUAL MEAN	3,096		2,395		2,591	
HIGHEST ANNUAL MEAN					3,578	
LOWEST ANNUAL MEAN					1,759	
HIGHEST DAILY MEAN	21,300	Mar 6	22,600	Mar 29	33,200	Feb 19, 2000
LOWEST DAILY MEAN	165	Sep 7	58	(a)	38	Aug 25, 1999
ANNUAL SEVEN-DAY MINIMUM	276	Sep 2	60	Sep 21	47	Aug 21, 1999
MAXIMUM PEAK FLOW			25,700	Mar 29	43,800	Feb 19, 2000
MAXIMUM PEAK STAGE			12.17	Mar 29	16.02	Feb 19, 2000
INSTANTANEOUS LOW FLOW			56	Sep 26	36	Aug 25, 1999
ANNUAL RUNOFF (CFSM)	3.40		2.63		2.84	
ANNUAL RUNOFF (INCHES)	46.27		35.70		38.64	
10 PERCENT EXCEEDS	6,870		5,780		6,350	
50 PERCENT EXCEEDS	1,890		1,470		1,480	
90 PERCENT EXCEEDS	462		226		216	

a Sept. 24-26.

e Estimated



03070500 BIG SANDY CREEK AT ROCKVILLE, WV—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1909 - 2005	
ANNUAL TOTAL	202,155		160,507.4			
ANNUAL MEAN	552		440		421	
HIGHEST ANNUAL MEAN					671	1912
LOWEST ANNUAL MEAN					240	1954
HIGHEST DAILY MEAN	4,680	Apr 13	5,880	Jan 12	15,700	Jan 13, 1911
LOWEST DAILY MEAN	31	Jul 11	5.8	(a)	0.10	(b)
ANNUAL SEVEN-DAY MINIMUM	43	Jul 5	6.0	Sep 20	0.10	Oct 21, 1953
MAXIMUM PEAK FLOW			8,470	Jan 12	(c)21,300	Jul 24, 1912
MAXIMUM PEAK STAGE			12.42	Jan 12	(d)18.00	Jul 24, 1912
INSTANTANEOUS LOW FLOW			5.8	(f)	0.10	(b)
ANNUAL RUNOFF (CFSM)	2.76		2.20		2.10	
ANNUAL RUNOFF (INCHES)	37.60		29.85		28.59	
10 PERCENT EXCEEDS	1,210		972		988	
50 PERCENT EXCEEDS	348		257		215	
90 PERCENT EXCEEDS	68		17		20	

- a Sept. 24-26.
- b Oct. 21-27, 1953.
- c From rating curve extended above 10,000 ft³/s on basis of velocity-area studies.
- d Observed.
- f Sept. 23, 24, 25, 26, 27.

