

03110830 KINGS CREEK AT WEIRTON, WV

LOCATION.--Lat 40 26' 08", long 80 35' 34", NAD 27, Hancock County, Hydrologic Unit 05030101, at county road bridge 0.2 mi upstream from W.Va. Route 2, and at mile 1.4.

DRAINAGE AREA.--49.0 mi²

PERIOD OF RECORD. -- October 1976 to September 1978, December 2002 to current year.

GAGE.-- Water-stage recorder with satellite telemeter. Datum of gage is 698.34 ft above NGVD 29.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 19	1600	896	3.69	May 21	0900	1,820	5.06
Jan 4	1530	1,910	5.18	May 21	2330	896	3.69
Jan 5	0200	2,040	5.36	Aug 21	0830	1,610	4.78
Feb 6	unknown	unknown	unknown	Sep 8	2100	1,860	5.12
Apr 13	1930	822	3.57	Sep 9	0730	2,140	5.52
Apr 23	0500	864	3.64	Sep 17	2300	(a)*8,700	(b)*17.21

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	45	92	74	e27	43	224	68	47	20	80	55
2	39	42	75	159	e26	73	250	65	36	24	53	44
3	33	38	65	187	e190	70	158	58	39	22	53	36
4	37	35	60	1,190	122	85	128	50	29	18	81	32
5	34	41	64	1,150	72	92	98	45	27	45	100	29
6	28	43	62	322	e500	134	82	41	26	25	58	26
7	25	36	54	188	267	112	73	45	22	28	44	24
8	23	32	49	140	116	96	70	47	19	29	35	374
9	22	28	48	115	88	80	62	38	18	18	30	1,080
10	21	27	74	75	75	68	53	34	25	19	28	293
11	20	32	303	77	66	61	48	31	95	30	28	134
12	18	46	181	85	e60	58	67	40	107	19	25	93
13	18	40	125	68	e54	49	356	37	55	21	25	71
14	46	34	111	59	e48	46	348	30	302	16	22	58
15	97	33	91	52	e43	44	182	29	284	18	18	50
16	52	32	85	38	e39	47	130	28	183	13	17	44
17	48	30	145	38	e36	47	103	24	166	16	16	e2,000
18	39	29	123	54	e34	50	109	46	234	25	14	e900
19	35	409	105	41	47	83	85	153	140	18	64	e480
20	30	331	90	34	65	116	75	101	94	14	155	e340
21	28	174	78	e30	101	192	66	758	72	11	804	e260
22	27	119	73	e27	70	124	62	416	66	10	161	e210
23	24	92	98	e25	60	93	478	164	52	11	96	e170
24	21	82	162	e23	60	78	206	100	42	8.9	65	e140
25	18	71	142	e22	55	73	151	70	36	8.3	51	e120
26	22	61	115	e28	49	63	156	60	33	249	42	e110
27	83	55	96	e35	45	60	122	51	28	109	37	e94
28	71	121	84	e40	42	54	104	50	27	55	34	e84
29	66	131	78	e34	40	49	86	39	30	36	60	e76
30	56	108	101	e31	---	54	74	32	24	28	126	e70
31	49	---	82	e29	---	75	---	62	---	96	79	---
TOTAL	1,174	2,397	3,111	4,470	2,497	2,369	4,206	2,812	2,358	1,060.2	2,501	7,497
MEAN	37.9	79.9	100	144	86.1	76.4	140	90.7	78.6	34.2	80.7	250
MAX	97	409	303	1,190	500	192	478	758	302	249	804	2,000
MIN	18	27	48	22	26	43	48	24	18	8.3	14	24
CFSM	0.77	1.63	2.05	2.95	1.76	1.56	2.87	1.86	1.61	0.70	1.65	5.11
IN.	0.89	1.82	2.37	3.40	1.90	1.80	3.20	2.14	1.79	0.81	1.90	5.70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2004, BY WATER YEAR (WY)

MEAN	27.9	38.0	77.2	77.4	66.3	115	97.5	92.7	55.3	36.4	39.4	84.1
MAX	37.9	79.9	100	144	86.1	160	140	134	78.6	68.2	80.7	250
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(1978)	(2004)	(2003)	(2004)	(2003)	(2004)	(2004)
MIN	15.6	12.7	31.3	8.29	20.2	76.4	67.1	49.8	14.9	12.7	8.56	8.86
(WY)	(1978)	(1977)	(1977)	(1977)	(1978)	(2004)	(2003)	(1977)	(1977)	(1977)	(1977)	(1978)

03110830 KINGS CREEK AT WEIRTON, WV—Continued

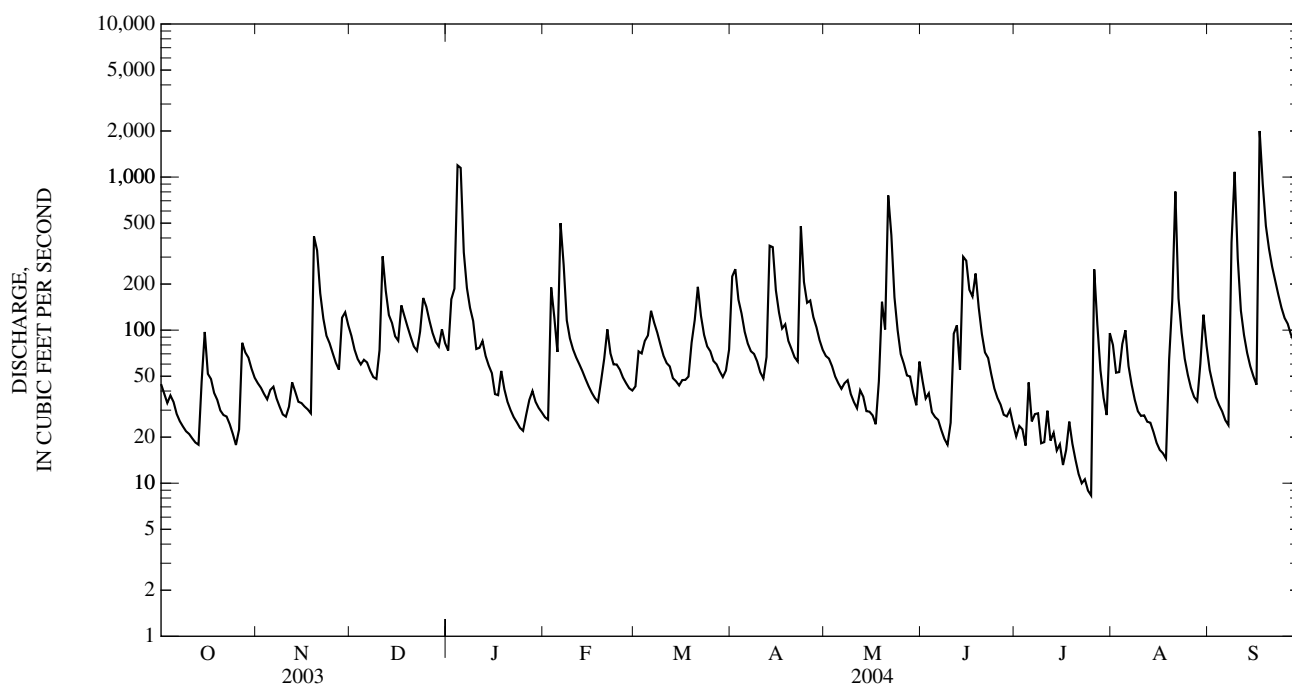
SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1977 - 2004	
ANNUAL TOTAL	26,890.8		36,452.2		67.2	
ANNUAL MEAN	73.7		99.6		41.2	
HIGHEST ANNUAL MEAN					99.6	
LOWEST ANNUAL MEAN					41.2	
HIGHEST DAILY MEAN	720	May 10	(e)2,000	Sep 17	(e)2,000	Sep 17, 2004
LOWEST DAILY MEAN	8.0	Aug 26	8.3	Jul 25	2.0	Sep 12, 1977
ANNUAL SEVEN-DAY MINIMUM	11	Aug 20	12	Jul 19	2.3	Sep 7, 1977
MAXIMUM PEAK FLOW			(a)8,700	Sep 17	(a)8,700	Sep 17, 2004
MAXIMUM PEAK STAGE			(b)17.21	Sep 17	(b)17.21	Sep 17, 2004
INSTANTANEOUS LOW FLOW			8.3	Jul 24	2.0	(c)
ANNUAL RUNOFF (CFSM)	1.51		2.04		1.37	
ANNUAL RUNOFF (INCHES)	20.46		27.73		18.68	
10 PERCENT EXCEEDS	149		181		140	
50 PERCENT EXCEEDS	52		55		33	
90 PERCENT EXCEEDS	18		23		7.2	

a From rating curve extended above 1,400 ft³/s on the basis of theoretical bridge computation.

b From floodmark.

c Sept. 11-13, 1977.

e Estimated.



WHEELING CREEK BASIN

03111950 DUNKARD FORK NEAR MAJORSVILLE, WV
(Detention Reservoir)

LOCATION.--Lat 39°57'10", long 80°31'33", NAD 27, Marshall County, Hydrologic Unit 05030106.

DAM NAME.--Wheeling Creek No. 3.

SURFACE AREA.--31 acres.

DRAINAGE AREA.--77.2 mi².

PERIOD OF RECORD.--June 2002 to current year.

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 800.0 ft above NGVD 29.

REMARKS.-- Normal Pool = 40.4 ft (Normal Storage=221 acre-ft)

Top of Riser = 46.4 ft

Emergency Spillway = 84.8 ft

Top of Dam = 102.4 ft

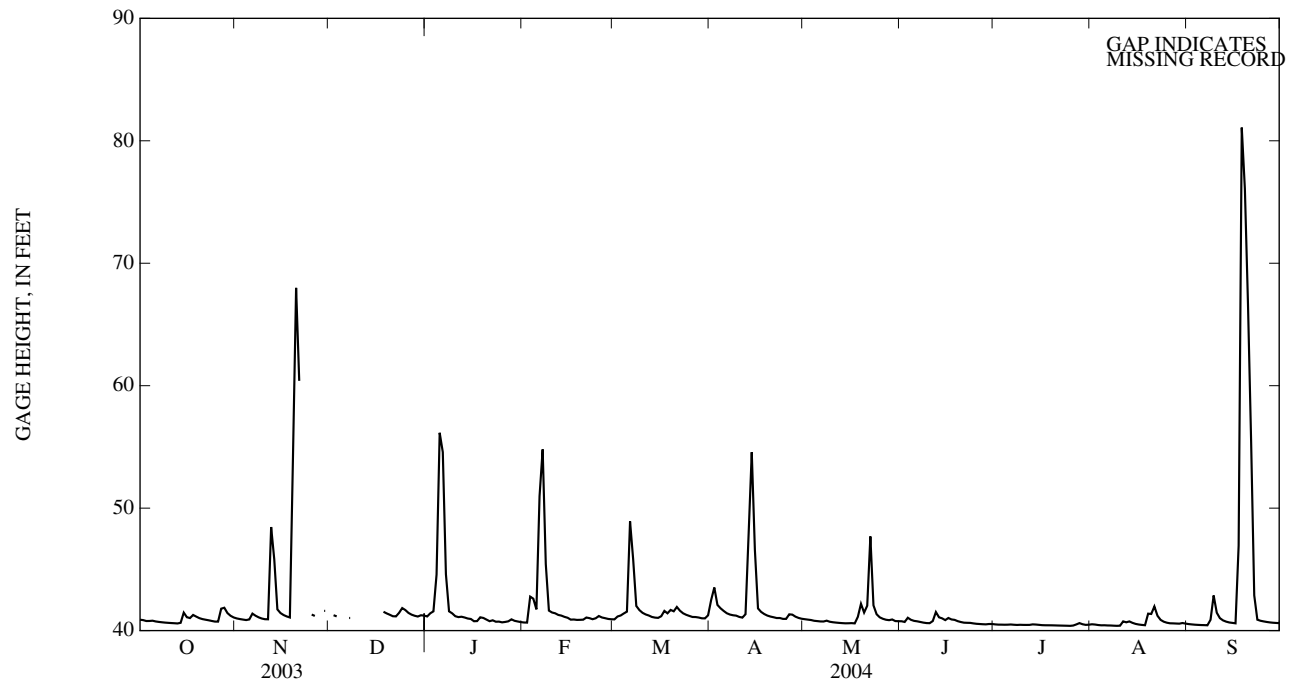
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 82.66 ft, Sept. 18, 2004; minimum gage height, 40.20 ft, Sept. 14, 15, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 82.66 ft, Sept. 18; minimum gage height, 40.38 ft, July 25, 26, and Aug. 9, 10.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40.89	40.99	---	41.16	40.66	40.92	42.52	40.93	40.76	40.51	40.52	40.53
2	40.86	40.94	41.26	41.41	40.65	41.15	43.52	40.89	40.71	40.49	40.49	40.51
3	40.78	40.90	41.16	41.57	42.77	41.23	42.10	40.86	41.05	40.48	40.45	40.48
4	40.79	40.86	---	44.57	42.61	41.40	41.82	40.80	40.88	40.48	40.43	40.47
5	40.81	40.91	---	56.15	41.74	41.55	41.61	40.78	40.79	40.48	40.44	40.45
6	40.75	41.39	---	54.57	50.97	48.92	41.42	40.75	40.76	40.50	40.42	40.45
7	40.71	41.22	41.03	44.61	54.80	45.81	41.31	40.74	40.70	40.48	40.42	40.43
8	40.68	41.08	---	41.57	45.43	42.01	41.25	40.81	40.65	40.46	40.40	40.88
9	40.65	40.99	---	41.41	41.63	41.67	41.22	40.72	40.61	40.48	40.39	42.87
10	40.63	40.93	---	41.18	41.48	41.45	41.12	40.68	40.60	40.47	40.40	41.46
11	40.62	40.92	---	41.10	41.41	41.32	41.06	40.65	40.78	40.46	40.75	41.02
12	40.60	48.46	---	41.13	41.28	41.23	41.34	40.63	41.52	40.47	40.68	40.83
13	40.58	45.82	---	41.07	41.22	41.11	47.92	40.61	41.09	40.51	40.75	40.73
14	40.64	41.73	---	40.99	41.12	41.06	54.57	40.59	41.00	40.50	40.63	40.67
15	41.47	41.43	---	40.95	41.05	41.04	46.60	40.60	40.86	40.47	40.55	40.63
16	41.09	41.27	---	40.76	40.90	41.18	41.81	40.61	41.03	40.45	40.50	40.60
17	41.02	41.16	---	40.78	40.91	41.61	41.53	40.59	40.91	40.43	40.46	46.93
18	41.28	41.07	41.54	41.08	40.87	41.41	41.35	41.13	40.88	40.43	40.44	81.08
19	41.14	54.23	41.41	41.03	40.88	41.69	41.23	42.19	40.77	40.43	41.38	76.07
20	41.02	67.99	41.30	40.90	40.89	41.58	41.14	41.47	40.70	40.43	41.36	66.63
21	40.94	60.40	41.17	40.77	41.07	41.93	41.09	42.03	40.65	40.42	41.97	55.45
22	40.89	---	41.16	40.84	41.02	41.62	41.02	47.69	40.64	40.41	41.21	42.88
23	40.84	---	41.45	40.73	40.93	41.41	41.03	42.06	40.63	40.40	40.88	40.89
24	40.79	---	41.84	40.73	41.01	41.29	40.96	41.34	40.59	40.40	40.73	40.80
25	40.74	41.31	41.68	40.67	41.19	41.20	40.96	41.09	40.56	40.39	40.64	40.75
26	40.73	41.20	41.45	40.71	41.07	41.11	41.33	40.97	40.54	40.41	40.60	40.71
27	41.79	---	41.30	40.76	41.01	41.11	41.30	40.89	40.52	40.51	40.59	40.67
28	41.87	---	41.21	40.92	40.95	41.07	41.14	40.85	40.51	40.61	40.58	40.64
29	41.43	41.61	41.15	40.80	40.93	41.00	41.03	40.91	40.54	40.52	40.57	40.63
30	41.21	---	41.25	40.75	---	41.00	40.97	40.78	40.54	40.47	40.62	40.61
31	41.07	---	41.22	40.70	---	41.25	---	40.77	---	40.48	40.57	---
MEAN	40.95	---	---	42.14	42.15	41.72	42.24	41.17	40.76	40.47	40.67	44.92
MAX	41.87	---	---	56.15	54.80	48.92	54.57	47.69	41.52	40.61	41.97	81.08
MIN	40.58	---	---	40.67	40.65	40.92	40.96	40.59	40.51	40.39	40.39	40.43

03111950 DUNKARD FORK NEAR MAJORSVILLE, WV—Continued



03112000 WHEELING CREEK AT ELM GROVE, WV

LOCATION.--Lat 40°02'40", long 80°39'40", NAD 27, Ohio County, Hydrologic Unit 05030106, on right bank at highway bridge at Elm Grove, 500 ft downstream from Little Wheeling Creek, and at mile 7.8.

DRAINAGE AREA.--281 mi².

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

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

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 667.59 ft above NGVD 29.

REMARKS.--Records good except those for periods of estimated daily discharges (ice effect), which are poor. The flow from 205 mi² upstream from station is partially controlled, but not diverted, by seven floodwater detention reservoirs with a total combined detention capacity of 24,148 acre-ft. Cumulative detention as construction progressed 1975 to 1995.

PEAK DISCHARGE FOR CURRENT YEAR.--Maximum discharge, 22,300 ft³/s, Sept. 17, gage height, (a)13.83 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	150	168	603	454	e190	239	1,350	216	229	85	114	129
2	151	144	493	706	e170	397	2,750	204	193	82	86	101
3	124	129	415	1,270	1,560	506	1,700	195	201	82	64	85
4	123	116	367	4,660	1,990	548	1,260	176	214	78	54	75
5	133	141	367	5,840	962	694	1,010	162	179	71	60	68
6	121	273	382	4,340	4,480	2,300	779	152	170	67	52	63
7	101	253	329	3,080	3,870	2,340	656	158	148	67	47	58
8	87	188	289	1,560	2,610	1,270	593	180	128	65	41	1,270
9	77	148	274	883	1,130	894	582	154	111	59	36	3,950
10	70	127	412	621	758	685	475	130	105	55	50	1,480
11	64	131	2,280	546	691	560	412	118	220	56	68	651
12	61	1,780	1,500	508	567	493	536	223	693	82	111	361
13	55	2,050	913	441	512	409	3,660	158	397	59	95	232
14	93	808	733	374	425	361	4,190	123	2,110	58	90	165
15	351	525	621	329	368	346	3,070	119	1,930	53	68	125
16	269	410	527	283	271	396	1,720	115	787	44	54	101
17	203	333	810	366	263	749	978	103	428	52	44	8,140
18	288	276	829	436	253	626	705	438	337	90	39	7,860
19	265	3,270	689	577	243	738	551	2,200	253	81	539	5,900
20	195	4,370	587	411	260	732	456	1,470	200	57	761	5,150
21	154	3,310	479	270	352	985	397	1,460	168	49	1,300	4,080
22	132	2,510	460	e220	350	836	352	3,150	238	42	629	2,140
23	114	1,020	589	e200	279	651	350	1,820	187	40	235	631
24	94	623	1,020	e170	281	550	298	827	148	36	149	378
25	77	565	993	e150	352	485	274	501	142	32	116	304
26	82	459	745	e200	309	420	360	398	121	141	104	261
27	529	396	600	303	278	412	386	329	107	173	116	222
28	960	487	515	364	248	393	308	310	101	123	108	198
29	456	850	462	351	235	337	258	317	102	87	105	180
30	292	720	517	249	---	336	229	261	98	67	211	160
31	208	---	517	e210	---	485	---	254	---	152	194	---
TOTAL	6,079	26,580	20,317	30,372	24,257	21,173	30,645	16,421	10,445	2,285	5,740	44,518
MEAN	196	886	655	980	836	683	1,022	530	348	73.7	185	1,484
MAX	960	4,370	2,280	5,840	4,480	2,340	4,190	3,150	2,110	173	1,300	8,140
MIN	55	116	274	150	170	239	229	103	98	32	36	58
CFSM	0.70	3.15	2.33	3.49	2.98	2.43	3.64	1.89	1.24	0.26	0.66	5.28
IN.	0.80	3.52	2.69	4.02	3.21	2.80	4.06	2.17	1.38	0.30	0.76	5.89

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

MEAN	79.0	205	372	498	606	731	588	430	241	144	102	106
MAX	627	2,085	1,369	1,124	1,249	1,670	1,336	1,107	1,004	885	1,424	1,484
(WY)	(1991)	(1986)	(1991)	(1994)	(1975)	(1963)	(1961)	(1967)	(1981)	(1956)	(1980)	(2004)
MIN	0.53	1.89	5.45	21.4	85.0	126	115	66.0	16.1	3.90	2.06	0.88
(WY)	(1964)	(1964)	(1964)	(1967)	(1964)	(1969)	(1971)	(1986)	(1962)	(1962)	(1957)	(1966)

03112000 WHEELING CREEK AT ELM GROVE, WV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1941 - 2004	
ANNUAL TOTAL	193,194		238,832		340	
ANNUAL MEAN	529		653		653	
HIGHEST ANNUAL MEAN					112	
LOWEST ANNUAL MEAN					13,100	
HIGHEST DAILY MEAN	4,570	Feb 23	8,140	Sep 17	13,100	Dec 30, 1942
LOWEST DAILY MEAN	25	Aug 26	32	Jul 25	0.10	(b)
ANNUAL SEVEN-DAY MINIMUM	31	Aug 20	48	Jul 19	0.24	Sep 21, 1964
MAXIMUM PEAK FLOW			(c)22,300	Sep 17	(c)22,300	Sep 17, 2004
MAXIMUM PEAK STAGE			(a)13.83	Sep 17	(a)13.83	Sep 17, 2004
INSTANTANEOUS LOW FLOW			29	Jul 25	0.10	(d)
ANNUAL RUNOFF (CFSM)	1.88		2.32		1.21	
ANNUAL RUNOFF (INCHES)	25.58		31.62		16.46	
10 PERCENT EXCEEDS	1,130		1,560		834	
50 PERCENT EXCEEDS	278		300		138	
90 PERCENT EXCEEDS	85		68		10	

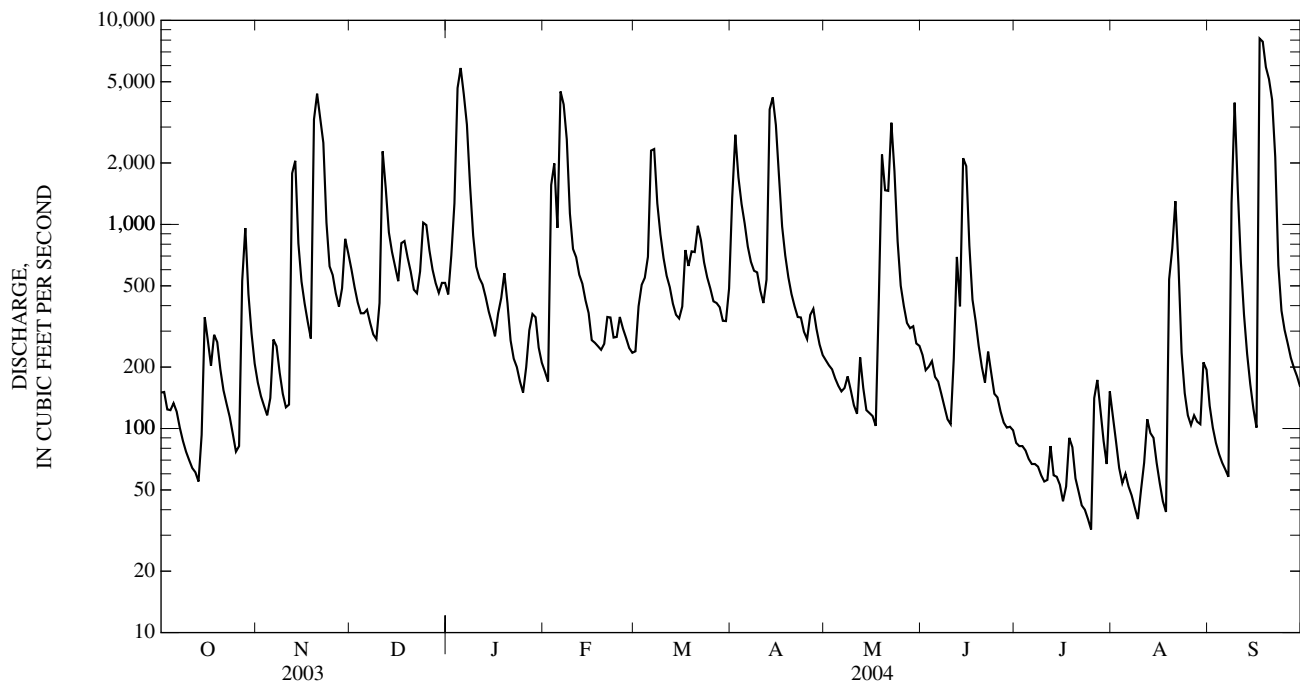
a From high-water mark in well.

b Sept. 26, 27, 1964.

c From rating curve extended above 15,000 ft³/s on basis of slope-area measurements at gage heights 13.20 ft and 13.65 ft.

d Oct. 7, 1963, Sept. 26, 27, 1964.

e Estimated.



03151400 LITTLE KANAWHA RIVER NEAR WILDCAT, WV

LOCATION.--Lat 38°44'36", long 80°31'32", NAD 27, Braxton County, Hydrologic Unit 05030203, on right bank on State Secondary Route 24/1, 200 ft upstream from footbridge at Gregory, 3.9 mi west of Wildcat, and at mile 141.

DRAINAGE AREA.--112 mi².

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

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 850.00 ft above NGVD 29.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	175	225	457	304	e180	51	748	171	449	23	208	18
2	207	186	370	543	235	52	1,410	147	335	20	145	15
3	181	157	303	694	493	50	1,190	179	231	18	100	12
4	180	135	255	496	774	71	1,150	153	173	21	69	11
5	229	411	237	1,150	517	119	680	139	1,010	48	88	9.5
6	213	997	330	1,190	3,010	2,340	458	124	736	49	87	8.3
7	179	883	322	601	2,010	1,320	368	105	394	31	55	7.3
8	141	578	287	389	859	758	312	89	241	37	41	19
9	112	372	254	300	507	503	250	75	163	33	33	94
10	94	270	233	225	372	366	199	61	119	24	27	78
11	81	221	460	187	293	292	171	59	131	120	23	40
12	69	1,820	540	e165	243	244	218	67	330	77	22	26
13	60	2,250	396	e150	211	196	2,730	187	199	130	28	20
14	60	750	582	138	186	168	1,910	329	135	104	30	16
15	862	417	890	e120	164	156	1,080	238	101	62	22	14
16	550	290	582	115	135	181	585	368	85	40	18	12
17	315	225	550	126	125	300	380	212	115	29	16	25
18	226	183	532	275	112	285	278	146	88	24	14	539
19	174	1,600	426	556	104	390	221	543	125	22	13	200
20	138	1,880	333	402	100	396	189	582	96	19	12	101
21	118	706	269	297	103	807	176	452	69	16	41	59
22	111	420	248	266	94	619	146	1,570	54	14	86	40
23	96	302	408	220	79	417	130	604	87	16	37	30
24	81	257	1,290	186	77	317	131	313	72	174	24	24
25	67	256	980	212	79	254	131	204	52	76	18	20
26	61	221	535	263	68	211	480	230	72	160	15	18
27	295	202	367	496	62	196	584	408	64	433	13	16
28	440	382	289	640	57	205	370	4,270	45	400	12	23
29	371	856	248	443	53	185	266	1,250	35	202	23	93
30	341	579	302	334	---	180	208	518	28	124	31	56
31	281	---	342	239	---	225	---	471	---	117	24	---
TOTAL	6,508	18,031	13,617	11,722	11,302	11,854	17,149	14,264	5,834	2,663	1,375	1,644.1
MEAN	210	601	439	378	390	382	572	460	194	85.9	44.4	54.8
MAX	862	2,250	1,290	1,190	3,010	2,340	2,730	4,270	1,010	433	208	539
MIN	60	135	233	115	53	50	130	59	28	14	12	7.3
CFSM	1.87	5.37	3.92	3.38	3.48	3.41	5.10	4.11	1.74	0.77	0.40	0.49
IN.	2.16	5.99	4.52	3.89	3.75	3.94	5.70	4.74	1.94	0.88	0.46	0.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2004, BY WATER YEAR (WY)

MEAN	86.4	206	299	348	381	414	340	276	155	124	91.5	63.7
MAX	426	841	717	732	705	745	600	761	551	419	473	365
(WY)	(1977)	(1986)	(1979)	(1994)	(1994)	(1997)	(1980)	(1996)	(1981)	(1996)	(2000)	(2003)
MIN	3.70	10.7	55.5	74.5	61.8	132	105	33.7	5.03	4.31	1.41	2.14
(WY)	(1995)	(1995)	(2002)	(1977)	(1978)	(1987)	(1999)	(1991)	(1991)	(1988)	(1993)	(1995)

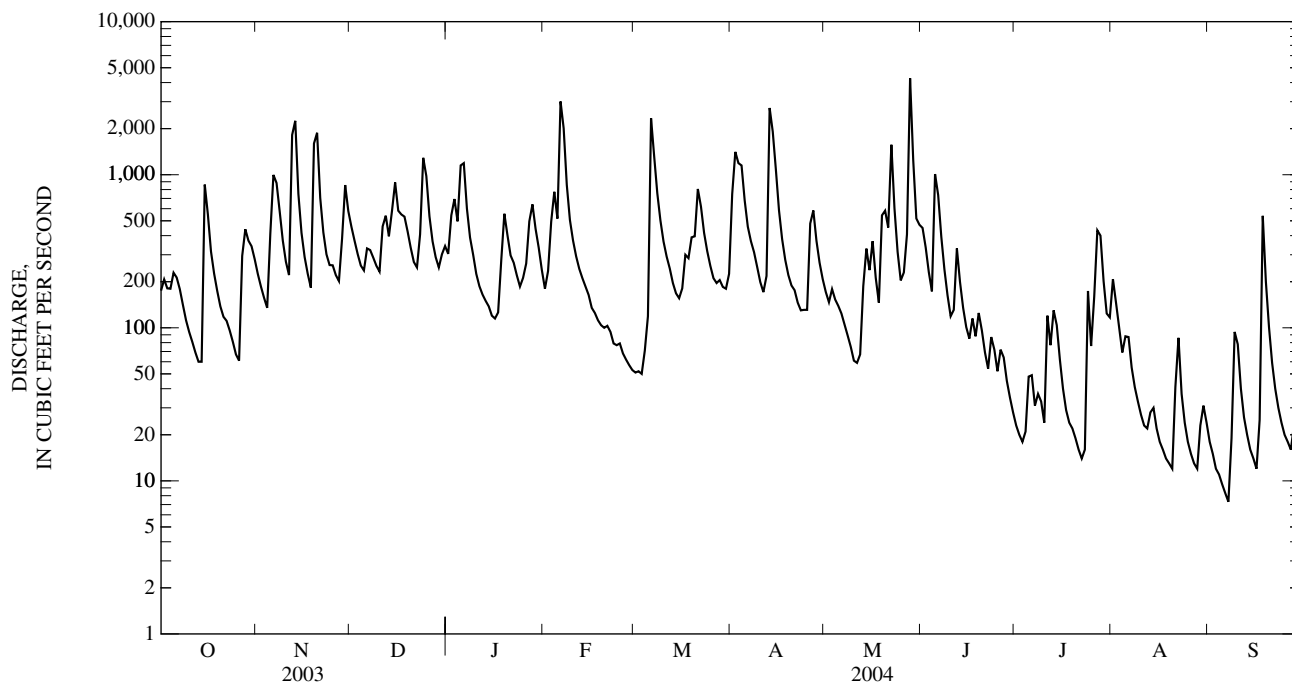
03151400 LITTLE KANAWHA RIVER NEAR WILDCAT, WV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1974 - 2004	
ANNUAL TOTAL	127,290		115,963.1		230	
ANNUAL MEAN	349		317		134	
HIGHEST ANNUAL MEAN					357	
LOWEST ANNUAL MEAN					134	
HIGHEST DAILY MEAN	3,000	Aug 17	4,270	May 28	9,070	Jul 31, 1996
LOWEST DAILY MEAN	19	Jul 27	7.3	Sep 7	0.11	Aug 17, 1987
ANNUAL SEVEN-DAY MINIMUM	32	Jul 22	12	Sep 1	0.14	Aug 15, 1987
MAXIMUM PEAK FLOW			7,790	May 28	(a)19,600	Jul 31, 1996
MAXIMUM PEAK STAGE			13.14	May 28	18.47	Jul 31, 1996
INSTANTANEOUS LOW FLOW			7.0	(b)	0.11	Aug 17, 1987
ANNUAL RUNOFF (CFSM)	3.11		2.83		2.06	
ANNUAL RUNOFF (INCHES)	42.28		38.52		27.95	
10 PERCENT EXCEEDS	802		684		548	
50 PERCENT EXCEEDS	226		186		112	
90 PERCENT EXCEEDS	60		23		8.7	

a From slope-area measurement.

b Sept. 7, 8.

c Estimated.



LITTLE KANAWHA RIVER BASIN
03151550 SALTICK CREEK NEAR FLATWOODS, WV
(Detention Reservoir)

LOCATION.-- Lat 38°43'54.9", long 80°35'42.7", NAD 83, Braxton County, Hydrologic Unit 05030203.

DAM NAME.--Saltlick Creek #9.

SURFACE AREA.--16 acres.

DRAINAGE AREA.--9.75 mi².

PERIOD OF RECORD.--May 2004 to Sept. 2004.

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 797.22 ft above NGVD 29.

REMARKS.-- Normal Pool = 60.58 ft (Normal Storage=131 acre-ft)

Top of Riser = 63.00 ft

Emergency Spillway = 95.68 ft

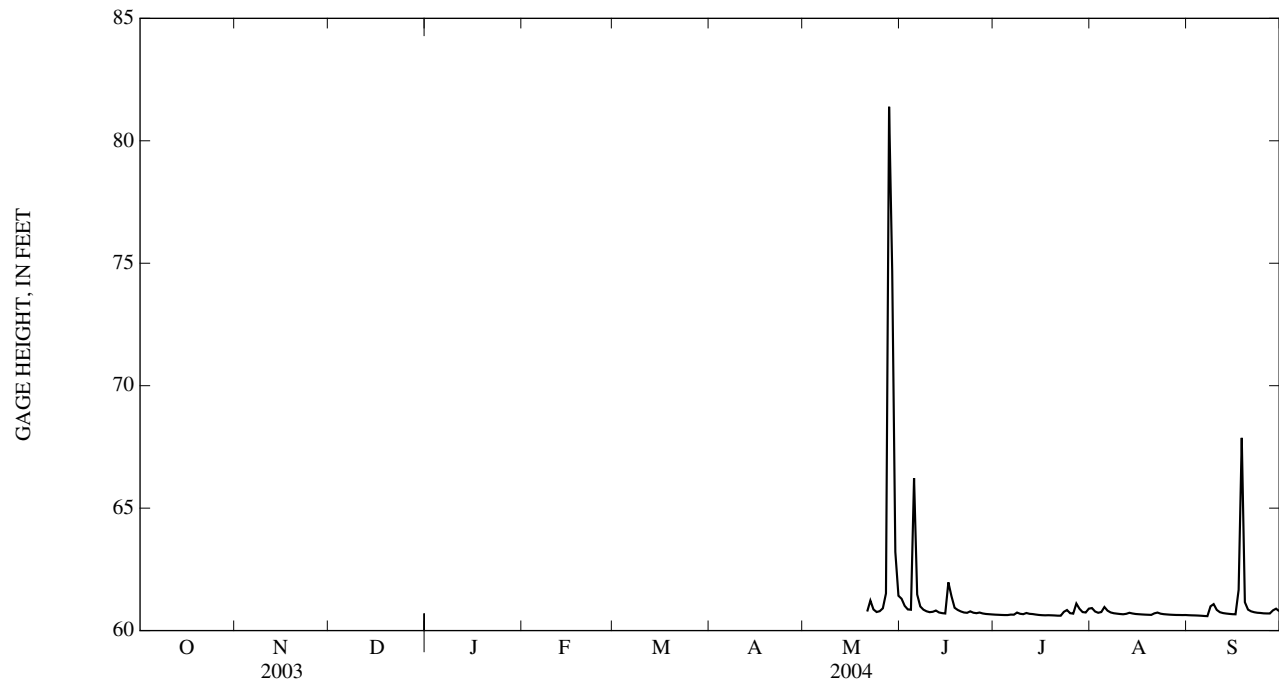
Top of Dam = 114.08 ft

EXTREMES FOR MAY TO SEPTEMBER, 2004.--Maximum gage height, 83.69 ft, May 28; minimum gage height, 60.58 ft, Sept. 7.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	61.30	60.65	60.92	60.63
2	---	---	---	---	---	---	---	---	61.01	60.65	60.78	60.62
3	---	---	---	---	---	---	---	---	60.87	60.64	60.73	60.62
4	---	---	---	---	---	---	---	---	60.85	60.63	60.76	60.61
5	---	---	---	---	---	---	---	---	66.23	60.63	60.96	60.61
6	---	---	---	---	---	---	---	---	61.48	60.65	60.81	60.60
7	---	---	---	---	---	---	---	---	60.99	60.65	60.74	60.59
8	---	---	---	---	---	---	---	---	60.85	60.74	60.71	60.99
9	---	---	---	---	---	---	---	---	60.79	60.69	60.69	61.08
10	---	---	---	---	---	---	---	---	60.75	60.67	60.68	60.85
11	---	---	---	---	---	---	---	---	60.77	60.72	60.67	60.75
12	---	---	---	---	---	---	---	---	60.82	60.68	60.68	60.72
13	---	---	---	---	---	---	---	---	60.74	60.67	60.73	60.70
14	---	---	---	---	---	---	---	---	60.71	60.66	60.70	60.68
15	---	---	---	---	---	---	---	---	60.70	60.64	60.68	60.67
16	---	---	---	---	---	---	---	---	61.97	60.63	60.67	60.66
17	---	---	---	---	---	---	---	---	61.40	60.62	60.66	61.66
18	---	---	---	---	---	---	---	---	60.93	60.63	60.65	67.87
19	---	---	---	---	---	---	---	---	60.84	60.62	60.65	61.16
20	---	---	---	---	---	---	---	---	60.78	60.62	60.64	60.86
21	---	---	---	---	---	---	---	60.78	60.74	60.61	60.70	60.79
22	---	---	---	---	---	---	---	61.23	60.73	60.61	60.74	60.75
23	---	---	---	---	---	---	---	60.86	60.79	60.77	60.69	60.73
24	---	---	---	---	---	---	---	60.76	60.73	60.84	60.67	60.72
25	---	---	---	---	---	---	---	60.79	60.71	60.71	60.66	60.70
26	---	---	---	---	---	---	---	60.91	60.74	60.69	60.65	60.70
27	---	---	---	---	---	---	---	61.52	60.70	61.10	60.64	60.70
28	---	---	---	---	---	---	---	81.39	60.68	60.89	60.64	60.83
29	---	---	---	---	---	---	---	74.67	60.67	60.76	60.64	60.90
30	---	---	---	---	---	---	---	63.21	60.66	60.74	60.63	60.79
31	---	---	---	---	---	---	---	61.42	---	60.90	60.64	---
MEAN	---	---	---	---	---	---	---	---	61.06	60.70	60.70	61.02
MAX	---	---	---	---	---	---	---	---	66.23	61.10	60.96	67.87
MIN	---	---	---	---	---	---	---	---	60.66	60.61	60.63	60.59

03151550 SALTICK CREEK NEAR FLATWOODS, WV—Continued



03155000 LITTLE KANAWHA RIVER AT PALESTINE, WV

LOCATION.--Lat 39°03'32", long 81°23'23", NAD 27, Wirt County, Hydrologic Unit 05030203, on left bank at end of Washington Street in Elizabeth, 1.0 mi upstream from Tucker Creek, 2.3 mi northeast of Palestine, 2.4 mi upstream from old lock 3, and at mile 28.4.

DRAINAGE AREA.--1,516 mi².

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

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

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 585.51 ft above NGVD 29. Prior to Feb. 17, 1950, water-stage recorders or nonrecording gages at old locks 3 and 4 at various datums. Auxiliary water-stage recorder 3.0 mi upstream from base gage at old lock 4 at datum 596.08 ft above NGVD of 1929.

REMARKS.--Records good, except those for period of estimated daily discharges (no gage-height record), which are poor. Flow partially regulated since 1968 by five floodwater-detention reservoirs affecting 49.5 mi². Flow regulated since March 1979 by Burnsville Lake.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 17, 1939, reached a stage of 32.25 ft, from floodmarks at old lock 4, discharge about 53,000 ft³/s.

PEAK DISCHARGE FOR CURRENT YEAR.--Maximum discharge, (a)40,400 ft³/s, Nov. 20, gage height, (b)35.22 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,620	1,900	4,710	2,210	1,260	542	7,720	1,560	e3,600	171	526	332
2	1,860	1,490	3,680	3,900	1,120	549	19,700	1,270	e3,900	149	428	237
3	1,970	1,240	2,960	8,120	6,390	572	13,900	1,130	e3,300	146	501	186
4	1,420	989	2,450	6,150	15,100	1,400	5,920	1,210	e2,600	165	468	150
5	1,200	1,320	1,800	7,420	9,010	3,470	3,830	1,050	2,160	156	369	123
6	1,170	10,300	2,470	12,900	17,700	24,300	3,460	923	2,530	133	306	101
7	1,140	9,850	3,780	7,590	30,100	29,100	2,600	835	3,050	122	298	88
8	1,000	5,200	3,270	4,760	19,300	11,900	2,220	753	2,270	118	253	3,290
9	851	3,510	2,570	2,850	7,460	6,860	1,850	671	1,430	136	216	12,000
10	669	2,700	2,140	2,220	5,490	5,380	1,620	552	963	170	176	5,220
11	584	2,090	3,890	1,610	4,910	4,150	1,340	454	770	297	151	1,780
12	526	6,300	6,810	1,360	4,320	2,800	1,390	389	2,060	346	140	913
13	479	22,000	4,670	1,300	3,700	1,980	11,500	338	3,820	453	125	612
14	441	13,700	3,820	1,200	2,630	1,520	35,400	289	1,810	575	109	415
15	469	5,700	9,500	1,140	1,600	1,370	22,700	262	1,150	883	111	302
16	1,410	4,020	8,190	1,190	1,260	1,400	8,470	319	824	439	122	239
17	1,640	3,230	5,820	1,160	1,150	2,090	5,630	667	734	301	114	5,380
18	1,550	2,860	5,530	1,470	1,080	2,420	4,520	704	908	269	108	25,400
19	1,460	16,400	4,360	4,230	998	2,590	3,770	773	1,110	232	97	16,400
20	1,180	39,500	3,430	4,370	923	3,000	2,810	907	1,300	182	88	6,090
21	845	30,900	2,820	2,750	918	4,350	1,970	e1,500	841	144	157	1,450
22	649	8,490	2,430	2,670	896	6,780	1,660	e2,300	613	125	452	1,100
23	597	4,200	2,540	1,810	820	4,560	1,480	e4,600	482	112	954	844
24	629	3,410	4,110	1,510	756	3,230	1,360	e3,100	429	128	696	523
25	569	3,300	6,540	1,030	741	2,230	1,330	e2,200	419	126	449	358
26	443	2,540	5,550	927	732	1,870	1,700	e1,400	364	115	301	280
27	1,060	2,060	3,610	1,300	692	1,610	5,380	e1,000	296	170	222	233
28	2,620	2,220	2,750	2,170	640	1,510	4,560	e18,000	258	207	177	205
29	3,000	5,890	2,350	3,550	588	1,470	2,920	e26,000	237	1,300	192	190
30	2,560	6,830	2,560	2,780	---	1,380	1,900	e5,700	198	1,060	939	191
31	2,890	---	2,870	1,690	---	1,800	---	e4,600	---	787	642	---
TOTAL	38,501	224,139	123,980	99,337	142,284	138,183	184,610	85,456	44,426	9,717	9,887	84,632
MEAN	1,242	7,471	3,999	3,204	4,906	4,458	6,154	2,757	1,481	313	319	2,821
MAX	3,000	39,500	9,500	12,900	30,100	29,100	35,400	26,000	3,900	1,300	954	25,400
MIN	441	989	1,800	927	588	542	1,330	262	198	112	88	88

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2004, BY WATER YEAR (WY)

MEAN	707	1,913	2,919	3,449	4,176	4,240	3,239	2,715	1,347	817	788	625
MAX	3,933	8,281	9,517	8,946	8,985	9,934	7,210	7,490	5,710	2,450	2,778	2,941
(WY)	(1977)	(1986)	(1979)	(1994)	(1994)	(1997)	(1972)	(1996)	(1981)	(1990)	(1996)	(1971)
MIN	75.3	137	309	444	827	873	774	243	81.3	51.1	28.5	29.2
(WY)	(1989)	(1999)	(1999)	(2000)	(2002)	(1969)	(1999)	(1982)	(1991)	(1999)	(1988)	(1999)

03155000 LITTLE KANAWHA RIVER AT PALESTINE, WV—Continued

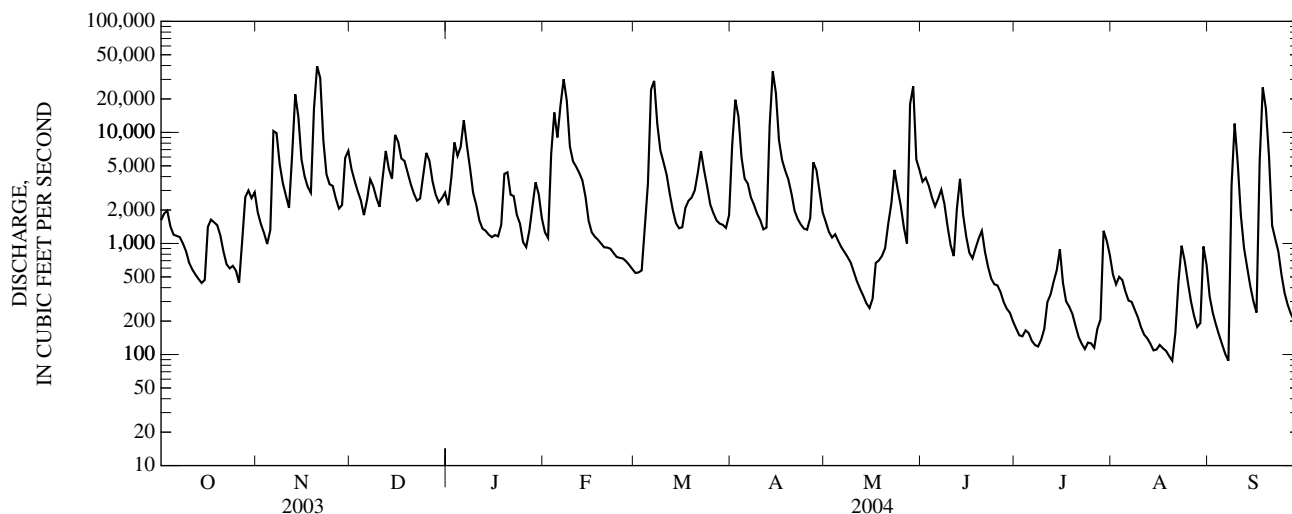
SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1968 - 2004	
ANNUAL TOTAL	1,293,228		1,185,152		2,235	
ANNUAL MEAN	3,543		3,238		3,628	
HIGHEST ANNUAL MEAN					1,119	
LOWEST ANNUAL MEAN					15	
HIGHEST DAILY MEAN	40,800	Feb 23	(a)39,500	Nov 20	(a)45,200	Mar 3, 1997
LOWEST DAILY MEAN	186	Aug 28	88	(c)	15	Aug 21, 1987
ANNUAL SEVEN-DAY MINIMUM	263	Jul 2	107	Aug 14	18	Jul 6, 1988
MAXIMUM PEAK FLOW			(a)40,400	Nov 20	(a)48,100	Mar 2, 1997
MAXIMUM PEAK STAGE			(b)35.22	Nov 20	(b)40.04	Mar 2, 1997
INSTANTANEOUS LOW FLOW			82	Sep 7	14	Aug 21, 1987
10 PERCENT EXCEEDS	6,850		6,840		5,670	
50 PERCENT EXCEEDS	1,970		1,440		920	
90 PERCENT EXCEEDS	469		189		117	

a Adjusted for backwater.

b Backwater.

c Aug. 20, Sept. 7.

e Estimated.



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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	422	1,145	2,631	3,242	4,141	4,875	3,259	1,951	1,193	855	785	390
MAX	3,010	4,401	6,366	7,468	8,437	10,940	7,233	7,573	4,820	5,069	3,756	2,401
(WY)	(1955)	(1963)	(1943)	(1952)	(1956)	(1963)	(1948)	(1967)	(1950)	(1958)	(1958)	(1950)
MIN	6.14	2.41	84.8	552	499	1,428	677	323	50.5	14.7	9.85	14.4
(WY)	(1954)	(1954)	(1966)	(1967)	(1941)	(1966)	(1947)	(1962)	(1965)	(1966)	(1965)	(1953)

SUMMARY STATISTICS

WATER YEARS 1940 - 1967

ANNUAL MEAN	2,065	
HIGHEST ANNUAL MEAN	3,216	1950
LOWEST ANNUAL MEAN	1,068	1966
HIGHEST DAILY MEAN	48,600	Mar 8, 1967
LOWEST DAILY MEAN	.90	Jul 15, 1959
ANNUAL SEVEN-DAY MINIMUM	1.3	Aug 30, 1965
INSTANTANEOUS PEAK FLOW	(*)50,700	Mar 7, 1967
INSTANTANEOUS PEAK STAGE	(#)39.14	Mar 7, 1967
INSTANTANEOUS LOW FLOW	(&).60	Jul 14, 1959
10 PERCENT EXCEEDS	5,440	
50 PERCENT EXCEEDS	694	
90 PERCENT EXCEEDS	56	

* From rating curve extended above 39,000 ft³/s.

Backwater.

& Filling pool above old lock 3.

LITTLE KANAWHA RIVER BASIN

03155405 North Fork Hughes River near Cairo, WV
(Detention Reservoir)

LOCATION.--Lat 39°13'08", long 81°06'00", NAD 27, Ritchie County, Hydrologic Unit 05030203.

DAM NAME.--North Fork Hughes River 21-C.

DRAINAGE AREA.--92 mi².

PERIOD OF RECORD.--December 2002 to current year.

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 670.0 ft above NGVD 29.

REMARKS.-- Normal Pool = 42.0 ft
Emergency Spillway = 67.0 ft
Top of Dam = 90 ft

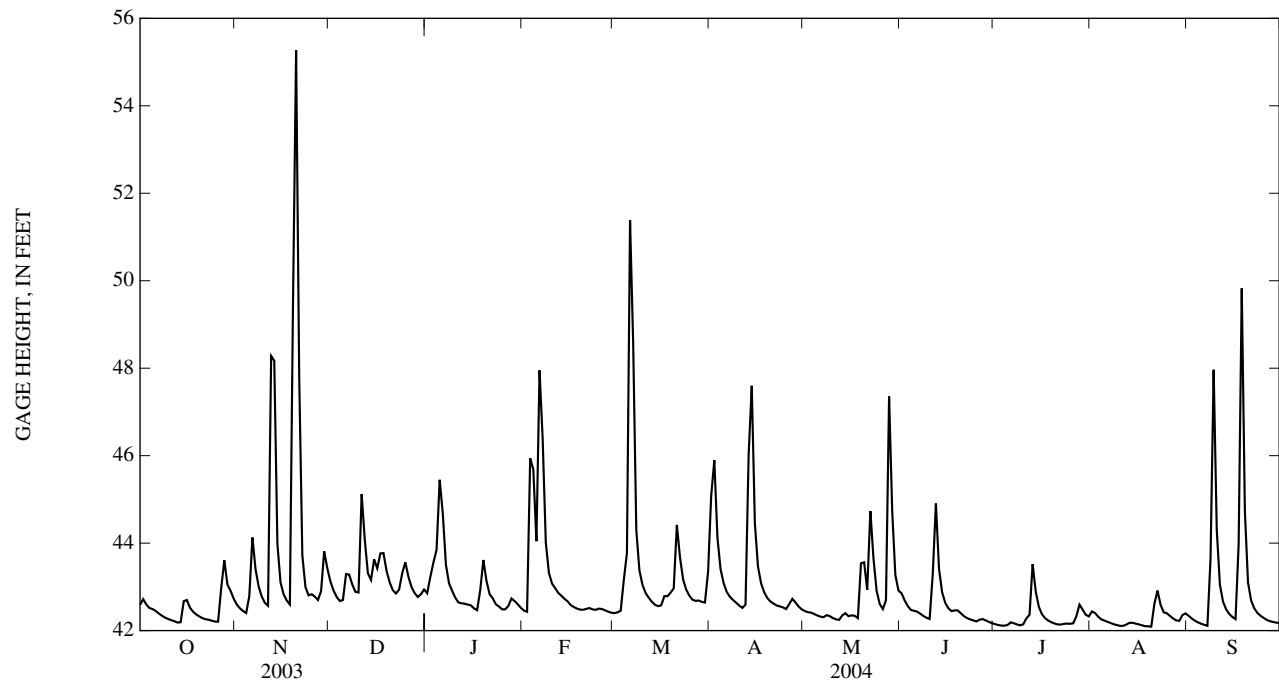
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 57.64 ft, Nov. 20, 2003; minimum gage height, less than 33.0 ft many days December 2002 to April 2003 during initial filling of the reservoir.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 57.64 ft, Nov. 20; minimum gage height, 42.08 ft, Aug. 19, 20.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42.59	42.60	43.12	42.85	42.46	42.40	45.09	42.45	42.85	42.15	42.44	42.34
2	42.72	42.51	42.91	43.23	42.43	42.42	45.90	42.42	42.69	42.13	42.40	42.27
3	42.60	42.45	42.77	43.56	45.94	42.45	44.13	42.41	42.56	42.11	42.32	42.23
4	42.52	42.40	42.68	43.85	45.69	43.16	43.40	42.38	42.47	42.11	42.26	42.19
5	42.49	42.79	42.70	45.45	44.04	43.77	43.08	42.35	42.45	42.13	42.23	42.16
6	42.45	44.13	43.29	44.68	47.95	51.38	42.88	42.32	42.43	42.19	42.20	42.13
7	42.39	43.40	43.28	43.51	46.39	48.58	42.77	42.31	42.39	42.17	42.17	42.11
8	42.34	43.01	43.05	43.08	44.02	44.30	42.70	42.35	42.33	42.14	42.15	43.64
9	42.30	42.78	42.88	42.91	43.32	43.38	42.64	42.33	42.29	42.12	42.13	47.96
10	42.27	42.63	42.87	42.75	43.08	43.04	42.57	42.29	42.27	42.15	42.11	44.30
11	42.24	42.57	45.12	42.64	42.97	42.86	42.52	42.26	43.30	42.28	42.11	43.05
12	42.21	48.28	44.08	42.62	42.86	42.75	42.59	42.24	44.90	42.36	42.14	42.66
13	42.18	48.17	43.31	42.61	42.80	42.66	46.02	42.35	43.41	43.52	42.18	42.48
14	42.19	43.99	43.16	42.60	42.73	42.59	47.60	42.40	42.88	42.89	42.18	42.38
15	42.67	43.10	43.63	42.58	42.67	42.56	44.45	42.33	42.63	42.54	42.16	42.31
16	42.70	42.83	43.42	42.51	42.58	42.58	43.46	42.35	42.51	42.37	42.14	42.26
17	42.52	42.69	43.77	42.47	42.54	42.79	43.08	42.34	42.45	42.28	42.12	43.97
18	42.43	42.60	43.77	42.93	42.50	42.79	42.87	42.28	42.46	42.23	42.10	49.83
19	42.37	49.47	43.36	43.61	42.48	42.87	42.74	43.54	42.46	42.19	42.10	44.74
20	42.32	55.27	43.10	43.14	42.48	42.97	42.66	43.56	42.40	42.16	42.09	43.10
21	42.28	47.77	42.92	42.83	42.50	44.42	42.62	42.93	42.33	42.14	42.61	42.69
22	42.26	43.72	42.85	42.74	42.52	43.68	42.57	44.73	42.29	42.14	42.91	42.51
23	42.25	42.99	42.94	42.60	42.48	43.17	42.55	43.65	42.26	42.15	42.59	42.41
24	42.23	42.81	43.31	42.55	42.48	42.94	42.53	42.91	42.23	42.16	42.42	42.34
25	42.21	42.83	43.56	42.49	42.50	42.80	42.49	42.61	42.21	42.16	42.40	42.29
26	42.20	42.78	43.23	42.49	42.49	42.71	42.61	42.49	42.25	42.17	42.33	42.25
27	42.97	42.70	42.99	42.56	42.46	42.68	42.73	42.69	42.26	42.33	42.28	42.22
28	43.61	42.90	42.86	42.73	42.43	42.69	42.64	47.35	42.23	42.59	42.23	42.20
29	43.05	43.81	42.77	42.68	42.41	42.66	42.55	44.73	42.20	42.48	42.22	42.18
30	42.91	43.42	42.83	42.60	---	42.64	42.49	43.27	42.17	42.36	42.36	42.17
31	42.73	---	42.94	42.52	---	43.34	---	42.92	---	42.33	42.39	---
MEAN	42.49	44.11	43.21	42.98	43.25	43.42	43.30	42.89	42.55	42.30	42.27	43.05
MAX	43.61	55.27	45.12	45.45	47.95	51.38	47.60	47.35	44.90	43.52	42.91	49.83
MIN	42.18	42.40	42.68	42.47	42.41	42.40	42.49	42.24	42.17	42.11	42.09	42.11

03155405 North Fork Hughes River near Cairo, WV—Continued



MILL CREEK BASIN

03159750 Tug Fork at Stat's Mills, WV
(Detention Reservoir)

LOCATION.--Lat 38°44'37", long 81°37'32", Jackson County, Hydrologic Unit 05030202.

DAM NAME.--Mill Creek No. 13

DRAINAGE AREA.--52.3 mi²

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

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 591.5 ft above NGVD 29.

REMARKS.-- Normal Pool = 50.7 ft (Normal storage = 2,830 acre-ft)

Top of Riser= 56.9 ft

Emergency Spillway = 79.9 ft

Top of Dam = 93.4 ft

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 70.73 ft, May 28, 2004; minimum gage height, less than 43.77 ft, Dec. 7, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 70.73 ft, MAY 28; minimum gage height, 50.79 ft, Aug. 20.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51.70	51.33	51.76	51.65	51.28	51.13	54.22	51.35	59.23	50.87	51.12	51.32
2	51.68	51.24	51.58	52.92	51.26	51.15	57.15	51.30	55.13	50.87	51.08	51.17
3	51.47	51.18	51.45	53.15	53.21	51.16	55.02	51.28	52.41	50.88	51.02	51.06
4	51.33	51.14	51.38	52.42	53.02	51.66	52.80	51.24	51.69	50.95	50.98	50.99
5	51.25	52.18	51.36	53.31	52.43	52.19	52.08	51.20	52.27	50.99	51.04	50.93
6	51.18	53.70	51.48	53.11	56.89	61.60	51.75	51.17	52.03	50.98	51.01	50.88
7	51.13	52.49	51.55	52.25	57.53	61.45	51.59	51.13	51.66	50.95	50.96	50.85
8	51.09	51.92	51.49	51.85	54.60	58.12	51.50	51.10	51.42	50.93	50.91	54.75
9	51.05	51.61	51.42	51.68	52.56	54.27	51.42	51.07	51.28	50.92	50.88	60.64
10	51.03	51.44	51.43	51.55	52.04	52.30	51.35	51.05	51.19	50.96	50.87	57.85
11	51.01	51.37	52.49	51.44	51.91	51.78	51.30	51.03	51.45	51.27	50.96	53.88
12	50.99	55.10	52.18	51.39	51.76	51.57	51.64	51.01	52.79	51.23	50.98	52.01
13	50.97	57.83	51.83	51.39	51.65	51.45	56.43	50.99	51.96	51.23	51.02	51.48
14	50.97	54.25	52.03	51.38	51.56	51.37	60.14	50.98	51.57	51.20	51.00	51.25
15	51.09	52.22	52.65	51.36	51.49	51.34	57.54	50.96	51.37	51.10	50.95	51.12
16	51.10	51.69	52.22	51.31	51.41	51.45	53.93	50.96	51.27	51.03	50.91	51.04
17	51.06	51.48	52.25	51.26	51.35	51.73	52.23	50.96	51.23	50.98	50.87	56.26
18	51.03	51.37	52.27	51.79	51.32	51.65	51.76	51.00	51.17	50.95	50.83	68.91
19	51.01	60.32	52.06	52.53	51.29	51.69	51.55	51.05	51.11	50.92	50.82	66.27
20	50.99	66.86	51.89	52.01	51.28	51.70	51.45	51.10	51.06	50.90	50.80	62.83
21	50.98	64.01	51.75	51.69	51.27	52.60	51.41	51.09	51.02	50.88	51.27	58.94
22	50.96	60.49	51.71	51.56	51.26	52.26	51.40	51.48	50.99	52.23	51.53	54.66
23	50.94	56.45	51.95	51.43	51.23	51.89	51.51	51.40	50.97	54.21	51.31	52.20
24	50.92	52.93	52.31	51.36	51.22	51.68	51.52	51.25	50.95	52.14	51.15	51.53
25	50.91	52.02	52.32	51.30	51.22	51.56	51.47	51.15	50.93	51.53	51.10	51.27
26	50.92	51.69	51.97	51.29	51.20	51.48	51.81	51.10	50.93	51.30	51.04	51.13
27	51.77	51.52	51.74	51.49	51.18	51.45	51.98	51.51	50.92	51.33	50.98	51.04
28	52.22	51.73	51.61	51.63	51.16	51.44	51.72	68.54	50.91	51.38	50.94	50.98
29	51.80	52.47	51.52	51.51	51.14	51.40	51.53	68.60	50.90	51.24	51.40	50.94
30	51.68	52.06	51.66	51.44	---	51.38	51.42	65.48	50.88	51.13	51.85	50.91
31	51.47	---	51.76	51.34	---	51.76	---	62.45	---	51.08	51.56	---
MEAN	51.22	53.87	51.84	51.80	52.09	52.57	52.75	53.10	51.76	51.24	51.07	53.97
MAX	52.22	66.86	52.65	53.31	57.53	61.60	60.14	68.60	59.23	54.21	51.85	68.91
MIN	50.91	51.14	51.36	51.26	51.14	51.13	51.30	50.96	50.88	50.87	50.80	50.85

03159750 Tug Fork at Stats Mills, WV—Continued

