

CLARION RIVER BASIN

03028000 WEST BRANCH CLARION RIVER AT WILCOX, PA

LOCATION.--Lat 41°34'31", long 78°41'33", Elk County, Hydrologic Unit 05010005, on right bank 20 ft downstream from bridge on Township Route 359 at Wilcox, 100 ft downstream from Wilson Run, and 0.1 mi upstream from Penn Central Railroad bridge.

DRAINAGE AREA.--63.0 mi².

PERIOD OF RECORD.--October 1953 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,502.02 ft above sea level. Prior to Nov. 18, 1953, nonrecording gage at site 20 ft upstream at same datum. Nov. 18 to Dec. 8, 1953, nonrecording gage at same site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year. U.S. Army Corps of Engineers satellite telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a 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)
Feb. 25	2000	1,170	4.33	May 19	0600	1,080	4.19
Apr. 4	0700	1,210	4.40	Aug. 16	0530	*1,640	*a5.06

a From peak-stage indicator.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	12	101	e50	e38	376	74	97	81	30	57	21
2	21	93	90	e52	e38	335	80	106	77	28	55	20
3	17	193	82	e71	e39	256	205	83	72	27	87	19
4	15	80	89	514	e38	219	1020	76	60	44	83	19
5	13	60	82	333	e37	189	675	72	60	28	69	17
6	12	51	112	266	e36	160	451	67	100	24	115	15
7	11	44	91	220	e34	138	344	63	69	21	145	15
8	11	39	82	179	e32	127	551	61	55	20	64	14
9	14	36	80	156	e30	119	486	56	48	20	48	14
10	15	33	105	164	e31	108	383	68	43	41	41	15
11	14	34	104	180	e33	97	300	61	45	23	35	36
12	12	30	90	150	e35	115	243	54	61	19	32	26
13	17	28	90	e110	e35	94	191	67	53	17	30	41
14	39	27	159	e98	e35	88	163	67	45	17	26	22
15	21	26	219	e90	e36	83	143	54	41	38	24	46
16	15	24	219	e82	e37	93	127	51	41	40	439	53
17	13	23	191	e78	e37	141	119	48	51	24	131	32
18	13	21	168	e76	e36	109	108	231	52	20	101	24
19	12	21	145	e72	e38	110	96	881	52	17	81	22
20	13	24	169	e70	e40	109	92	509	39	17	66	20
21	13	25	172	e68	e43	119	253	345	56	17	54	39
22	13	22	e135	e65	e48	117	467	252	73	19	47	27
23	16	21	e115	e60	e68	101	390	250	47	15	70	25
24	23	21	e98	e56	e125	92	316	428	41	14	53	47
25	20	21	e87	e52	e300	96	249	307	38	13	40	33
26	16	336	e76	e48	822	92	200	242	36	16	35	34
27	15	317	e70	e45	773	95	168	193	65	21	32	31
28	14	194	e64	e43	685	99	144	161	40	38	31	26
29	13	155	e60	e41	428	100	124	134	37	30	27	23
30	13	126	e57	e40	---	88	109	113	33	32	26	25
31	12	---	e53	e40	---	76	---	94	---	37	24	---
TOTAL	500	2137	3455	3569	4007	4141	8271	5291	1611	767	2168	801
MEAN	16.1	71.2	111	115	138	134	276	171	53.7	24.7	69.9	26.7
MAX	39	336	219	514	822	376	1020	881	100	44	439	53
MIN	11	12	53	40	30	76	74	48	33	13	24	14
CFSM	.26	1.13	1.77	1.83	2.19	2.12	4.38	2.71	.85	.39	1.11	.42
IN.	.30	1.26	2.04	2.11	2.37	2.45	4.88	3.12	.95	.45	1.28	.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2000, BY WATER YEAR (WY)

MEAN	71.2	127	153	130	144	241	249	142	94.2	57.3	49.9	55.5
MAX	236	390	311	319	448	494	483	363	417	252	249	231
(WY)	1982	1986	1978	1998	1976	1964	1970	1984	1972	1992	1956	1987
MIN	7.60	12.9	12.4	18.5	27.6	96.4	109	40.9	20.4	12.3	8.30	7.68
(WY)	1964	1965	1961	1961	1987	1969	1976	1985	1991	1955	1991	1955

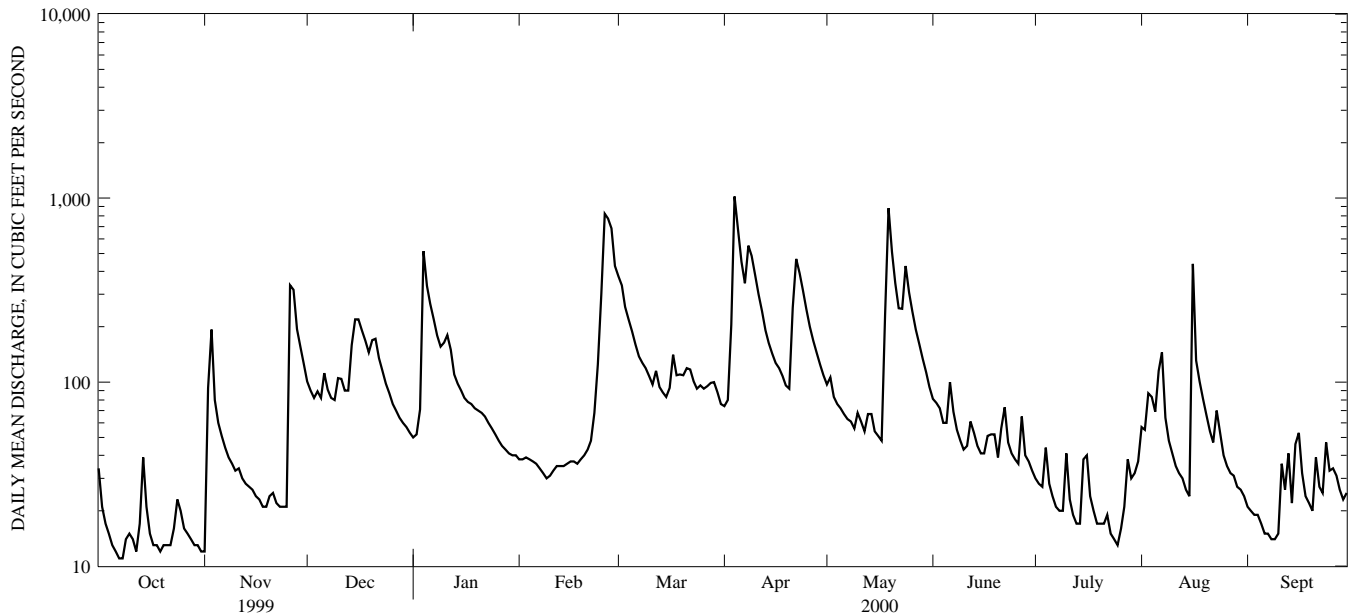
e Estimated.

CLARION RIVER BASIN

03028000 WEST BRANCH CLARION RIVER AT WILCOX, PA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1954 - 2000	
ANNUAL TOTAL	36379.9		36718			
ANNUAL MEAN	99.7		100		126	
HIGHEST ANNUAL MEAN					184	
LOWEST ANNUAL MEAN					91.6	
HIGHEST DAILY MEAN	1790	Jan 24	1020	Apr 4	2870	Jun 23 1972
LOWEST DAILY MEAN	6.3	Sep 3,4	11	Oct 7,8	4.5	Sep 21 1955
ANNUAL SEVEN-DAY MINIMUM	6.5	Aug 31	13	Oct 6	5.2	Sep 16 1955
INSTANTANEOUS PEAK FLOW			1640	Aug 16	b 5590	Jan 19 1996
INSTANTANEOUS PEAK STAGE			a 5.06	Aug 16	a 10.23	Jan 19 1996
INSTANTANEOUS LOW FLOW			9.8	Oct 8	4.2	Sep 21 1955
ANNUAL RUNOFF (CFSM)	1.58		1.59		2.00	
ANNUAL RUNOFF (INCHES)	21.48		21.68		27.19	
10 PERCENT EXCEEDS	243		234		288	
50 PERCENT EXCEEDS	48		54		74	
90 PERCENT EXCEEDS	9.5		17		15	

a From peak-stage indicator.
b From rating curve extended above 3,000 ft³/s.



1-YEAR HYDROGRAPH
 OCTOBER 1, 1999 TO SEPTEMBER 30, 2000