

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)
Dec. 17	1400	*815	*3.73	(No peaks above base discharge.)			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	39	94	e44	e40	94	244	96	84	27	8.9	39
2	23	35	82	e41	e39	91	259	89	96	24	8.7	15
3	21	33	e75	e38	e37	86	247	82	108	18	9.3	10
4	32	33	e69	e36	e34	81	237	74	90	19	11	9.4
5	74	32	e66	e34	e32	76	244	67	77	21	8.0	9.2
6	354	31	e61	e32	e30	76	318	62	71	17	7.5	7.6
7	151	30	e58	e30	e28	75	377	57	66	16	7.4	7.2
8	129	30	e56	e28	e28	64	383	54	59	17	6.9	7.0
9	109	33	e55	e26	e76	59	364	56	56	16	6.6	6.9
10	98	49	e53	e26	452	54	364	51	52	14	6.7	7.3
11	86	52	e58	e26	298	51	302	48	61	18	6.8	7.5
12	76	43	119	e26	238	66	258	145	50	14	6.3	6.4
13	68	37	79	e25	206	119	225	82	44	13	6.1	7.7
14	62	35	85	e25	270	133	195	67	39	12	6.0	34
15	57	33	82	e25	442	109	174	63	36	12	6.4	12
16	53	32	104	e25	349	110	245	59	34	13	5.8	8.4
17	58	33	541	e25	295	130	214	57	33	16	6.4	7.7
18	80	33	365	e24	229	122	197	58	29	17	5.9	7.4
19	61	31	284	e24	191	123	184	53	26	13	17	7.0
20	53	31	220	e24	177	135	194	49	24	12	26	12
21	51	30	177	e24	163	222	255	51	27	11	9.2	11
22	49	29	142	e24	125	474	228	92	61	10	7.6	11
23	46	35	e115	e24	128	375	214	198	41	10	12	9.4
24	49	28	e100	e24	110	338	202	113	36	10	15	9.8
25	47	27	e90	e24	125	277	179	104	26	14	8.5	33
26	45	78	e78	e24	130	237	159	103	23	25	9.1	17
27	46	110	e70	e23	104	201	144	124	21	12	35	13
28	46	102	e63	e23	96	179	127	119	19	10	12	16
29	41	100	e54	e23	---	166	113	105	19	9.9	12	13
30	40	102	e47	e24	---	260	103	93	16	9.9	8.3	10
31	42	---	e46	e44	---	235	---	85	---	10	39	---
TOTAL	2172	1346	3588	865	4472	4818	6949	2556	1424	460.8	341.4	371.9
MEAN	70.1	44.9	116	27.9	160	155	232	82.5	47.5	14.9	11.0	12.4
MAX	354	110	541	44	452	474	383	198	108	27	39	39
MIN	21	27	46	23	28	51	103	48	16	9.9	5.8	6.4
CFSM	1.11	.71	1.84	.44	2.54	2.47	3.68	1.31	.75	.24	.17	.20
IN.	1.28	.79	2.12	.51	2.64	2.84	4.10	1.51	.84	.27	.20	.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2001, BY WATER YEAR (WY)

MEAN	71.1	125	152	128	145	239	249	141	93.3	56.5	49.1	54.6
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.

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

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1954 - 2001	
ANNUAL TOTAL	37732		29364.1		125	
ANNUAL MEAN	103		80.4		184	
HIGHEST ANNUAL MEAN					1956	
LOWEST ANNUAL MEAN					80.4	
HIGHEST DAILY MEAN	1020	Apr 4	541	Dec 17	2870	Jun 23 1972
LOWEST DAILY MEAN	13	Jul 25	5.8	Aug 16	4.5	Sep 21 1955
ANNUAL SEVEN-DAY MINIMUM	16	Sep 4	6.1	Aug 12	5.2	Sep 16 1955
MAXIMUM PEAK FLOW			815	Dec 17	a5590	Jan 19 1996
MAXIMUM PEAK STAGE			3.73	Dec 17	b10.23	Jan 19 1996
INSTANTANEOUS LOW FLOW			5.8	Aug 13c	4.2	Sep 21 1955
ANNUAL RUNOFF (CFSM)	1.64		1.28		1.99	
ANNUAL RUNOFF (INCHES)	22.28		17.34		26.98	
10 PERCENT EXCEEDS	245		221		285	
50 PERCENT EXCEEDS	56		46		73	
90 PERCENT EXCEEDS	24		9.4		15	

a From rating curve extended above 3,000 ft³/s.
 b From peak-stage indicator.
 c Also Aug. 14-19, Sept. 12, 13.

