

LACKAWANNA RIVER BASIN

01534300 LACKAWANNA RIVER NEAR FOREST CITY, PA

LOCATION.--Lat 41°40'47", long 75°28'20", Susquehanna County, Hydrologic Unit 02050107, on left bank 1,600 ft upstream from bridge on State Highway 171, 1.3 mi downstream from Stillwater Dam, 1.6 mi downstream from confluence of East and West Branches, and 2.2 mi north of Forest City.

DRAINAGE AREA.--38.8 mi².

PERIOD OF RECORD.--October 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,551.28 ft above sea level. Prior to Dec. 11, 1958, nonrecording gage at same site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated since December 1959 by Stillwater Dam (station 01534180). Several measurements of water temperature were made during the year. Satellite telemetry at station. Beaver dam caused backwater at gage Oct. 1 to Jan. 25.

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	80	26	98	35	34	827	134	77	70	51	69	11
2	68	27	71	33	34	726	117	73	59	43	59	12
3	51	72	60	35	34	553	108	69	53	37	54	16
4	54	94	55	44	33	389	171	63	47	38	53	23
5	92	77	55	59	31	247	296	59	44	36	40	25
6	92	58	55	56	30	173	300	56	68	31	32	19
7	76	48	58	49	29	146	217	51	111	27	36	15
8	58	43	54	43	27	156	163	47	113	23	35	13
9	52	40	49	40	27	196	197	45	100	20	31	11
10	67	38	45	43	27	221	213	44	72	19	30	10
11	83	36	44	91	27	229	191	36	53	17	33	10
12	76	34	42	107	27	166	173	47	86	15	30	12
13	64	33	40	e100	27	364	161	267	110	14	28	77
14	64	34	41	e75	40	494	145	242	121	13	27	66
15	70	38	57	61	85	324	122	193	160	16	35	54
16	64	38	87	59	104	211	111	123	144	46	40	49
17	55	36	96	54	107	204	112	101	96	53	35	39
18	49	34	86	45	106	208	135	91	74	42	28	32
19	46	33	69	44	100	187	276	115	82	32	23	28
20	44	31	59	43	91	158	302	144	75	25	20	30
21	45	31	59	43	76	132	229	156	64	19	17	29
22	46	30	59	41	65	116	242	267	77	17	14	24
23	47	28	53	39	63	102	234	342	70	17	15	20
24	44	27	47	38	69	91	204	345	58	16	20	17
25	43	26	41	37	92	84	169	402	53	16	21	15
26	43	29	40	37	127	91	136	403	56	14	19	15
27	43	92	40	37	159	84	115	271	58	14	16	16
28	39	123	39	36	e50	152	113	180	58	14	14	16
29	33	123	38	35	e200	272	105	130	52	15	13	14
30	29	114	37	33	---	236	90	101	52	27	12	13
31	28	---	36	35	---	172	---	85	---	72	11	---
TOTAL	1745	1493	1710	1527	1921	7711	5281	4625	2336	839	910	731
MEAN	56.3	49.8	55.2	49.3	66.2	249	176	149	77.9	27.1	29.4	24.4
MAX	92	123	98	107	200	827	302	403	160	72	69	77
MIN	28	26	36	33	27	84	90	36	44	13	11	10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2000, BY WATER YEAR (WY)

MEAN	46.8	73.9	84.4	73.2	77.6	135	169	86.3	53.7	27.2	19.3	27.9
MAX	239	264	234	209	245	261	517	232	205	123	122	221
(WY)	1978	1973	1974	1996	1981	1979	1993	1989	1989	1973	1994	1977
MIN	2.45	2.48	14.7	9.64	13.2	40.5	58.8	31.5	11.1	4.67	2.80	1.17
(WY)	1965	1965	1999	1981	1980	1993	1968	1982	1980	1991	1999	1980

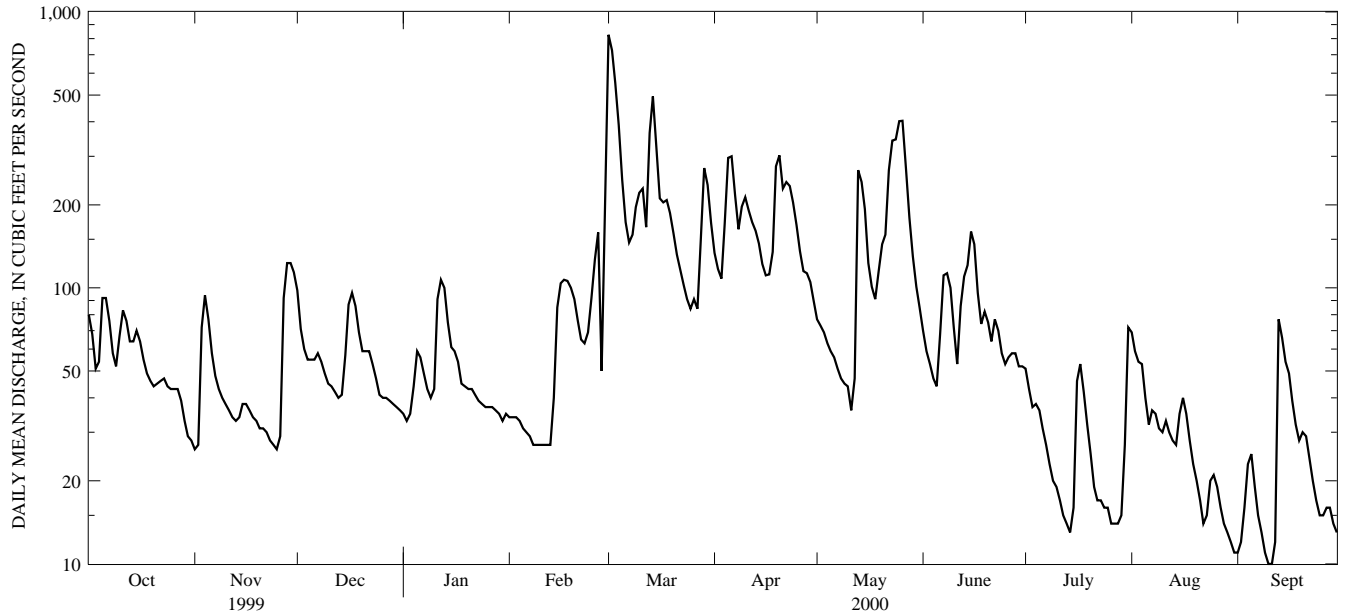
e Estimated.

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01534300 LACKAWANNA RIVER NEAR FOREST CITY, PA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1959 - 2000	
ANNUAL TOTAL	21242.2		30829		72.7	
ANNUAL MEAN	58.2		84.2		112	
HIGHEST ANNUAL MEAN					1973	
LOWEST ANNUAL MEAN					36.3	
HIGHEST DAILY MEAN	682	Jan 26	827	Mar 1	1160	Apr 4 1993
LOWEST DAILY MEAN	1.9	Sep 4-7	10	Sep 10,11	a.00	Jul 21 1978
ANNUAL SEVEN-DAY MINIMUM	2.0	Sep 1	13	Aug 27	.43	Sep 11 1980
INSTANTANEOUS PEAK FLOW			862	Mar 1	bc1390	Jan 22 1959
INSTANTANEOUS PEAK STAGE			4.80	Mar 1	6.41	Jan 22 1959
INSTANTANEOUS LOW FLOW					a.00	Jul 21 1978
10 PERCENT EXCEEDS	118		194		171	
50 PERCENT EXCEEDS	43		53		39	
90 PERCENT EXCEEDS	3.1		17		7.0	

- a Result of shutoff at Stillwater Dam.
- b From rating curve extended above 930 ft³/s.
- c Instantaneous peak since regulation, 1,020 ft³/s, Feb. 26, 1975, gage height, 4.85 ft.



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