



2005 Water Year
LACKAWANNA RIVER BASIN
01534300 Lackawanna River near Forest City, PA

Latitude: 41° 40' 47"

Longitude: 075° 28' 20"

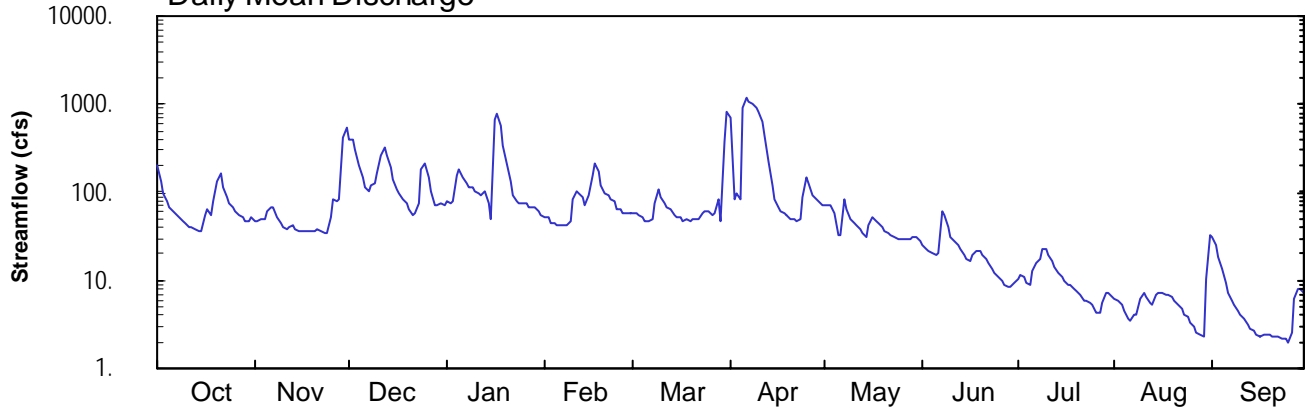
Hydrologic Unit Code: 02050107

Susquehanna County

Datum: 1551.28 feet

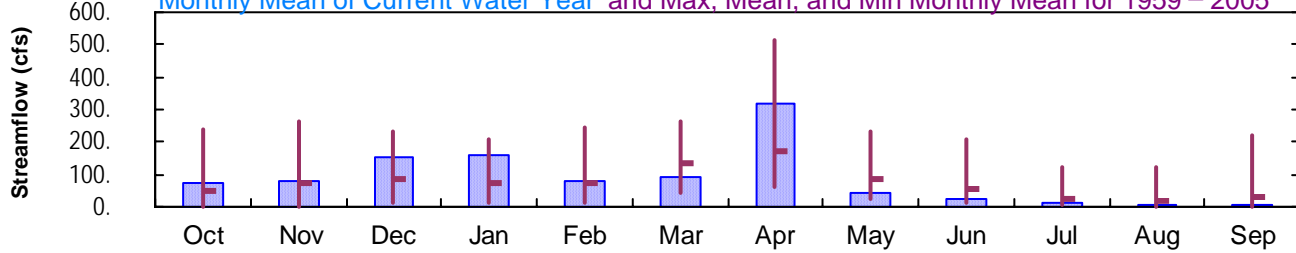
Drainage Area: 38.8 mi²

Daily Mean Discharge

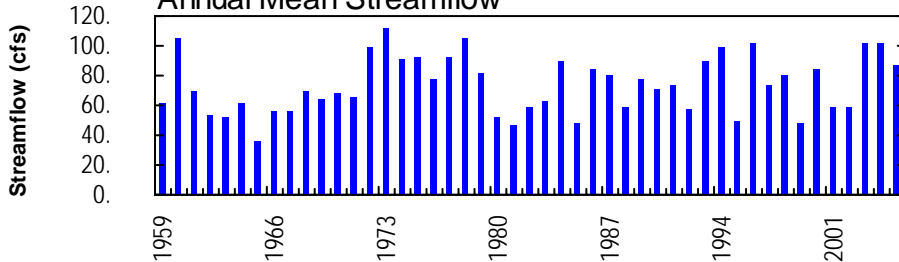


Monthly Statistics

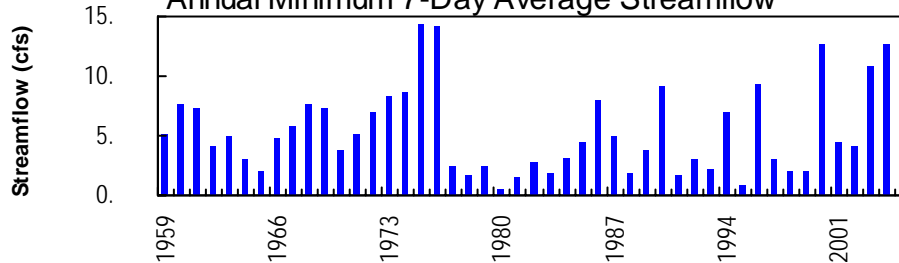
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1959 – 2005



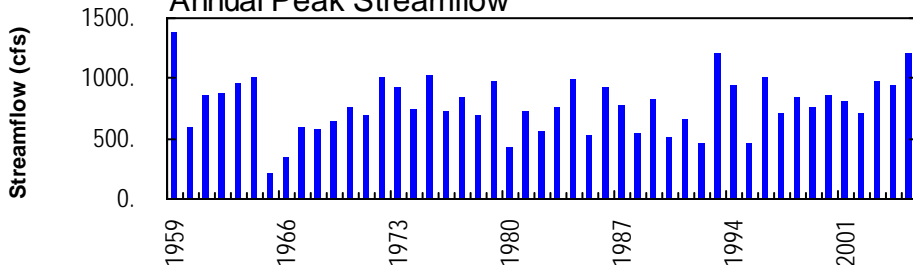
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



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 National Geodetic Vertical Datum of 1929. 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.

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	200	48	391	79	53	57	689	72	26	11	6.2	31
2	132	46	394	75	51	58	84	70	23	12	5.7	26
3	99	49	307	81	45	54	95	70	21	11	5.2	19
4	80	50	205	159	44	52	85	59	20	9.5	4.5	13
5	67	62	145	178	43	48	929	32	19	8.9	3.6	9.6
6	60	66	114	151	42	47	1160	32	20	13	3.5	7.2
7	58	66	103	125	42	49	1090	83	61	16	4.1	5.8
8	53	53	120	115	43	76	1020	66	55	18	4.1	5.3
9	48	45	127	116	48	109	933	49	39	22	6.1	4.6
10	44	40	161	104	84	88	819	45	32	23	7.1	4.1
11	40	39	259	95	102	75	646	41	28	20	6.5	3.6
12	39	39	320	92	99	68	433	38	26	16	5.6	3.2
13	38	41	268	105	87	63	221	34	23	14	5.3	2.9
14	36	39	196	74	70	56	118	31	20	12	6.9	2.6
15	35	37	141	50	93	52	83	42	18	11	7.4	2.5
16	55	37	110	666	152	51	69	54	17	10	7.1	2.3
17	65	37	98	771	212	48	62	48	20	9.1	7.0	2.4
18	56	36	83	577	175	50	57	44	22	8.7	6.8	2.4
19	78	36	e75	335	e120	48	54	40	21	8.2	6.3	2.5
20	136	36	e65	e210	99	50	51	36	19	7.8	5.8	2.3
21	168	38	54	e130	91	51	49	34	17	6.8	5.2	2.3
22	117	37	57	e93	84	51	47	32	16	5.9	4.6	2.3
23	87	34	75	e78	78	57	48	31	14	5.8	4.0	2.2
24	74	34	184	e76	65	61	88	30	12	5.5	3.8	2.1
25	67	52	213	e76	66	60	147	30	11	5.3	3.4	1.9
26	61	85	150	75	59	55	129	30	9.8	4.4	3.0	2.5
27	56	80	101	69	58	58	93	29	8.7	4.2	2.6	6.3
28	51	84	73	67	57	84	85	30	8.4	5.5	2.4	8.2
29	48	414	73	66	---	47	77	31	8.3	7.4	2.3	8.0
30	48	538	76	62	---	373	70	31	9.3	7.1	11	7.2
31	52	---	73	54	---	817	---	29	---	6.5	32	---
TOTAL	2248	2298	4811	5004	2262	2913	9531	1323	644.5	325.6	189.1	195.3
MEAN	72.5	76.6	155	161	80.8	94.0	318	42.7	21.5	10.5	6.10	6.51
MAX	200	538	394	771	212	817	1160	83	61	23	32	31
MIN	35	34	54	50	42	47	47	29	8.3	4.2	2.3	1.9

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2005, BY WATER YEAR (WY)

MEAN	49.0	73.9	86.9	73.5	76.5	134	169	85.9	55.7	27.2	20.0	33.0
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	21.5	11.1	4.67	2.80	1.17
(WY)	1965	1965	1999	1981	1980	1993	1968	2001	1980	1991	1999	1980

e Estimated.

LACKAWANNA RIVER BASIN

01534300 LACKAWANNA RIVER NEAR FOREST CITY, PA--Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1959 - 2005	
ANNUAL TOTAL	34073.7		31744.5		73.6	
ANNUAL MEAN	93.1		87.0		112	
HIGHEST ANNUAL MEAN					1973	
LOWEST ANNUAL MEAN					36.3	
HIGHEST DAILY MEAN	855	Sep 21	1160	Apr 6	1160	Apr 4 1993
LOWEST DAILY MEAN	9.7	Jul 12	1.9	Sep 25	a0.00	Jul 21 1978
ANNUAL SEVEN-DAY MINIMUM	13	Jul 6	2.2	Sep 19	0.43	Sep 11 1980
MAXIMUM PEAK FLOW			b1200	Apr 5	b1390	Jan 22 1959
MAXIMUM PEAK STAGE			5.47	Apr 5	6.41	Jan 22 1959
INSTANTANEOUS LOW FLOW					a0.00	Jul 21 1978
10 PERCENT EXCEEDS	189		155		171	
50 PERCENT EXCEEDS	65		48		40	
90 PERCENT EXCEEDS	23		5.3		7.0	

a Result of shutoff at Stillwater Dam.

b From rating curve extended above 930 ft³/s.

