

## LACKAWAXEN RIVER BASIN

## 01430000 LACKAWAXEN RIVER NEAR HONESDALE, PA

**LOCATION.**--Lat 41°33'43", long 75°14'54", Wayne County, Hydrologic Unit 02040103, on right bank at Lemnitzer Bridge (Brown Street), on U.S. Highway 6, and 1.2 mi downstream from Dyberry Creek and Honesdale.

**DRAINAGE AREA.**--164 mi<sup>2</sup>.

**PERIOD OF RECORD.**--October 1948 to September 1969, October 1985 to current year. Occasional discharge measurements and annual maximums, water years 1974-85.

**REVISED RECORDS.**--WDR PA 90-1: 1989. WDR PA 94-1: 1989(M).

**GAGE.**--Water-stage recorder. Datum of gage is 946.34 ft above National Geodetic Vertical Datum of 1929.

**REMARKS.**--Records fair except those for estimated daily discharges, which are poor. Flow regulated since 1960 by Prompton Reservoir (station 01428900) and at high flow since 1959 by General Edgar Jadwin Reservoir (station 01429400). Several measurements of water temperature were made during the year. Satellite telemetry at station.

**EXTREMES OUTSIDE PERIOD OF RECORD.**--The flood of May 1942 reached a stage of 24.5 ft, from data furnished by Corps of Engineers, discharge about 34,000 ft<sup>3</sup>/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	26	74	e64	513	124	506	949	237	129	34	30
2	29	26	63	e61	640	115	438	981	198	118	33	30
3	28	25	52	e59	452	148	381	966	164	112	32	29
4	26	26	47	e57	369	172	351	650	142	104	30	36
5	25	27	42	55	290	e130	305	520	167	98	30	35
6	22	27	39	e60	257	128	276	426	338	92	30	31
7	20	27	36	e73	228	122	248	366	1120	87	27	30
8	19	26	35	e80	210	116	243	323	737	82	24	30
9	19	25	41	64	196	112	221	336	489	87	23	30
10	18	24	45	62	189	137	228	340	363	90	21	29
11	19	24	42	63	834	125	197	288	291	79	21	26
12	21	22	41	63	668	115	173	359	265	73	21	22
13	24	22	43	62	488	114	168	1440	246	69	21	20
14	26	21	59	59	348	116	251	2720	397	65	21	20
15	27	21	106	57	309	114	451	1660	942	64	23	22
16	30	20	89	56	283	138	434	957	1190	61	23	46
17	31	19	93	54	269	159	345	689	784	57	24	32
18	29	19	253	e52	235	147	291	1120	560	55	25	27
19	26	19	255	e56	203	144	257	1240	513	53	24	24
20	24	19	206	e80	192	162	229	800	410	53	32	23
21	23	19	172	e67	211	224	211	609	331	50	27	21
22	23	19	140	56	226	310	193	496	280	48	28	21
23	25	19	119	55	199	262	187	416	275	47	28	31
24	29	18	119	63	171	253	165	360	249	51	39	35
25	32	24	118	100	156	271	177	317	221	53	45	30
26	30	41	e95	e120	146	362	249	312	199	49	35	28
27	28	41	e90	e130	147	1770	205	285	184	47	32	124
28	27	34	e85	e140	139	1210	907	265	177	46	28	392
29	26	34	e78	225	---	781	2040	290	155	47	43	166
30	26	43	e74	409	---	641	1230	255	143	42	43	121
31	25	---	e68	537	---	543	---	233	---	39	34	---
TOTAL	789	757	2819	3139	8568	9265	11557	20968	11767	2147	901	1541
MEAN	25.45	25.23	90.94	101.3	306.0	298.9	385.2	676.4	392.2	69.26	29.06	51.37
MAX	32	43	255	537	834	1770	2040	2720	1190	129	45	392
MIN	18	18	35	52	139	112	165	233	142	39	21	20

e Estimated.

## LACKAWAXEN RIVER BASIN

## 01430000 LACKAWAXEN RIVER NEAR HONSDALE, PA--Continued

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1969, 1986 - 2002, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	135.7	275.6	285.1	268.1	288.8	552.6	557.8	347.2	194.3	90.73	77.81	100.6
MAX	344	650	925	884	716	1133	1464	985	544	255	364	656
(WY)	1990	1987	1997	1996	1990	1986	1993	1989	1989	1996	1994	1987
MIN	14.5	16.5	39.1	73.5	106	261	240	123	43.9	20.3	17.2	12.3
(WY)	1965	1965	1999	1961	1963	1965	1988	2001	1962	1965	1964	1964

## SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1960 - 1969 1986 - 2002

ANNUAL TOTAL	64200	74218		
ANNUAL MEAN	176	203	264	
HIGHEST ANNUAL MEAN			400	1960
LOWEST ANNUAL MEAN			130	1965
HIGHEST DAILY MEAN	e2200	Apr 10	2720	May 14
LOWEST DAILY MEAN	a16	Aug 22	18	Oct 10b
ANNUAL SEVEN-DAY MINIMUM	16	Aug 21	19	Nov 18
MAXIMUM PEAK FLOW			2980	May 14
MAXIMUM PEAK STAGE			5.68	May 14
INSTANTANEOUS LOW FLOW				6.2
10 PERCENT EXCEEDS	358	492	588	
50 PERCENT EXCEEDS	78	87	144	
90 PERCENT EXCEEDS	19	23	28	

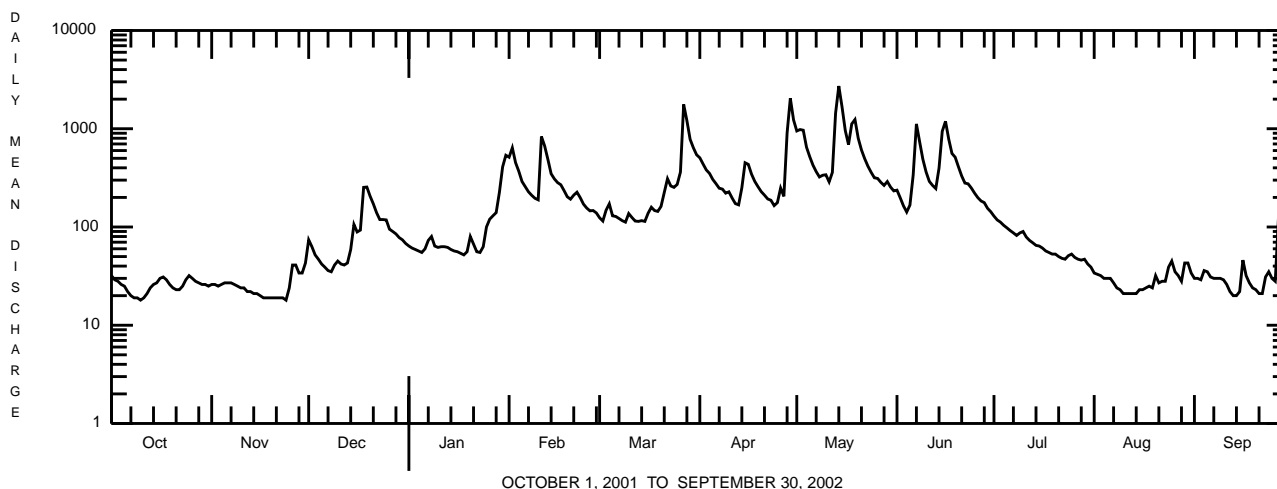
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 1959, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	151	281	412	377	364	538	746	322	126	112	125	83.1
MAX	955	520	649	669	664	788	1458	592	304	425	865	189
(WY)	1956	1956	1951	1962	1951	1951	1958	1952	1956	1952	1955	1952
MIN	37.9	80.6	154	130	127	291	379	108	47.8	26.2	20.6	26.2
(WY)	1949	1958	1956	1956	1958	1949	1955	1951	1959	1955	1953	1957

## SUMMARY STATISTICS WATER YEARS 1949 - 1959

ANNUAL MEAN	302
HIGHEST ANNUAL MEAN	428
LOWEST ANNUAL MEAN	209
HIGHEST DAILY MEAN	8920
LOWEST DAILY MEAN	12
ANNUAL SEVEN DAY MINIMUM	12
MAXIMUM PEAK FLOW	c18600
MAXIMUM PEAK STAGE	15.52
ANNUAL RUNOFF (CFSM)	1.84
ANNUAL RUNOFF (INCHES)	25.06
10 PERCENT EXCEEDS	695
50 PERCENT EXCEEDS	152
90 PERCENT EXCEEDS	32

- a Also Aug. 23, 25-27, Sept. 18, 19.  
b Also Nov. 24  
c From rating curve extended above 11,000 ft<sup>3</sup>/s.  
e Estimated.



OCTOBER 1, 2001 TO SEPTEMBER 30, 2002