

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 mi².

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 sea level.

REMARKS.--Records good 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 ft³/s.

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	e70	107	211	e170	227	e230	1280	123	e150	e66	27	51
2	e67	102	183	e160	217	220	899	116	e460	81	26	35
3	e64	98	e160	e150	e200	203	744	110	e600	73	25	29
4	e59	96	e150	e150	e180	193	e820	104	e600	69	27	26
5	e64	95	144	e140	169	e190	e920	98	e440	67	26	27
6	e120	92	e140	e140	171	208	1130	89	e280	65	24	27
7	e139	92	125	158	160	190	1190	83	e220	59	23	25
8	e120	92	121	135	e150	172	1390	80	e200	67	22	24
9	e105	94	120	130	158	169	e1500	78	149	71	21	22
10	e100	342	e110	e130	308	161	e2200	76	127	64	20	20
11	e92	581	120	e120	398	e150	e1800	74	121	68	21	20
12	86	373	123	e120	332	e140	1050	72	154	62	26	18
13	80	288	e110	e110	269	227	821	72	133	57	21	17
14	79	272	122	e110	259	292	633	66	113	53	20	20
15	79	297	125	109	396	259	491	63	e100	52	19	18
16	72	253	123	110	386	260	417	59	e90	e51	17	18
17	73	225	2010	109	357	304	359	61	e220	e53	18	17
18	590	201	2680	107	e300	321	312	59	e240	e50	18	16
19	853	182	1230	110	e270	313	262	58	e160	e48	18	16
20	474	168	680	111	254	356	232	55	169	e46	18	18
21	349	160	e400	e110	339	468	234	54	189	e43	17	23
22	273	150	e380	e105	e290	1290	296	109	149	e40	16	22
23	219	136	e330	e105	254	1330	260	190	126	e38	16	18
24	188	e130	e290	e105	e230	1190	227	197	112	e36	17	17
25	168	e120	e250	e102	233	757	197	168	e100	e34	16	85
26	155	185	e230	e102	342	647	174	148	e90	40	16	66
27	145	324	e220	e105	309	497	167	267	e82	36	16	48
28	138	286	e200	e102	275	446	152	376	e76	33	18	40
29	125	244	e190	e102	---	416	140	e310	e73	29	19	39
30	117	230	e190	e105	---	e1700	131	e230	e70	28	18	36
31	111	---	e180	193	---	2150	---	e180	---	27	22	---
TOTAL	5374	6015	11647	3815	7433	15449	20428	3825	5793	1606	628	858
MEAN	173	200	376	123	265	498	681	123	193	51.8	20.3	28.6
MAX	853	581	2680	193	398	2150	2200	376	600	81	27	85
MIN	59	92	110	102	150	140	131	54	70	27	16	16

e Estimated.

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01430000 LACKAWAXEN RIVER NEAR HONSDALE, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1969, 1986 - 2001, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	140	285	293	275	288	562	564	335	187	91.6	79.7	102
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 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1960 - 1969 1986 - 2001

ANNUAL TOTAL	118895	82871		
ANNUAL MEAN	325	227	267	
HIGHEST ANNUAL MEAN			400	1960
LOWEST ANNUAL MEAN			130	1965
HIGHEST DAILY MEAN	2790	Feb 28	2680	Dec 18
LOWEST DAILY MEAN	e59	Oct 4	16	Aug 22b
ANNUAL SEVEN-DAY MINIMUM	a68	Sep 6	16	Aug 21
MAXIMUM PEAK FLOW			3410	Dec 17
MAXIMUM PEAK STAGE			6.08	Dec 17
INSTANTANEOUS LOW FLOW				8.49
10 PERCENT EXCEEDS	709	442	595	
50 PERCENT EXCEEDS	190	125	145	
90 PERCENT EXCEEDS	86	22	29	

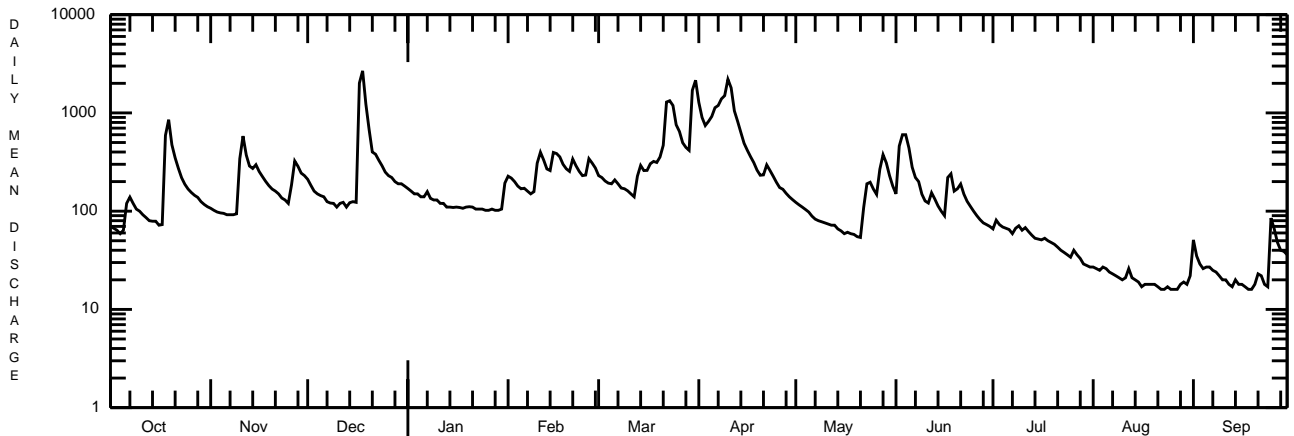
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 1959, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	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 Computed using estimated daily discharges.
- b Also Aug. 23, 25-27, Sept. 18, 19.
- c From rating curve extended above 11,000 ft³/s.
- e Estimated.



OCTOBER 1, 2000 TO SEPTEMBER 30, 2001