

LACKAWAXEN RIVER BASIN

01429500 DYBERRY CREEK NEAR HONESDALE, PA

LOCATION.--Lat 41°36'26", long 75°16'03", Wayne County, Hydrologic Unit 02040103, on right bank 180 ft upstream from unnamed tributary, 1,700 ft downstream from General Edgar Jadwin Reservoir, 2.1 mi north of Honesdale, and 2.6 mi upstream from mouth.

DRAINAGE AREA.--64.6 mi².

PERIOD OF RECORD.--October 1943 to current year. Published as "*at Dyberry*" October 1943 to September 1959 and as "*near Dyberry*" October 1959 to September 1961.

REVISED RECORDS.--WSP 1382: 1947(M), 1950(M), 1951-53.

GAGE.--Water-stage recorder. Datum of gage is 970.70 ft above sea level. Prior to Oct. 1, 1957, nonrecording gage at site 1.9 mi upstream at datum 13.70 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated since October 1959 by General Edgar Jadwin Reservoir (station 01429400) 1,700 ft upstream. Several measurements of water temperature were made during the year. Satellite and landline telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 23, 1942 reached a stage of 15.86 ft, from floodmarks, site and datum then in use, discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	9.2	20	e15	e100	157	146	74	52	18	6.7	4.0
2	9.6	8.4	18	e15	e210	139	152	69	46	16	5.9	3.9
3	8.5	8.2	16	e14	e290	117	141	64	42	15	5.5	3.6
4	6.4	8.0	15	e15	260	e400	131	61	38	14	5.4	3.3
5	5.6	7.7	15	e19	213	e250	115	68	34	12	4.8	3.2
6	5.8	7.7	15	e18	169	e180	101	64	30	11	3.2	3.5
7	9.1	7.7	15	e16	145	e160	97	59	28	9.8	3.3	5.5
8	51	8.0	15	e15	134	e140	90	101	24	8.7	3.5	8.1
9	72	8.2	20	e15	120	e120	103	125	23	8.4	3.5	6.3
10	68	8.4	21	e25	111	e110	150	95	22	12	3.1	4.4
11	56	12	19	e27	109	e100	113	77	21	13	3.3	3.7
12	37	16	17	e28	153	e92	135	67	20	10	3.2	3.5
13	28	15	16	e30	e240	e90	163	59	19	9.3	2.8	2.9
14	25	14	18	e32	e150	86	126	54	19	8.6	4.1	3.0
15	25	13	e14	e35	e140	e84	106	51	27	8.2	4.8	3.1
16	21	12	e15	e35	134	e86	101	47	22	7.5	4.1	153
17	18	10	16	e35	131	115	131	43	21	7.3	3.8	460
18	15	10	16	e45	126	165	138	39	31	7.5	3.2	103
19	14	10	15	e300	124	165	119	56	28	8.7	3.0	60
20	12	10	14	e200	115	135	112	87	23	8.3	2.9	41
21	11	11	14	e160	e86	125	109	58	20	8.4	8.2	39
22	11	12	e27	e180	e76	504	99	48	18	7.3	9.9	73
23	10	11	e30	e250	e72	389	109	51	17	5.5	7.4	74
24	10	10	e22	e900	e68	290	184	105	15	5.4	6.3	53
25	10	10	e19	988	e64	280	137	193	14	5.1	5.5	42
26	9.4	20	e18	e300	e62	233	116	131	14	6.0	9.3	33
27	8.7	44	e17	e200	e62	202	101	91	14	7.1	12	29
28	8.7	34	e16	e170	78	197	91	72	13	7.4	7.6	27
29	9.3	28	e16	e150	---	200	85	61	20	7.4	6.3	26
30	9.6	24	e16	e130	---	183	78	52	27	6.3	4.9	42
31	9.1	---	e15	e110	---	160	---	54	---	5.9	4.0	---
TOTAL	604.8	407.5	540	4472	3742	5654	3579	2276	742	285.1	161.5	1317.0
MEAN	19.5	13.6	17.4	144	134	182	119	73.4	24.7	9.20	5.21	43.9
MAX	72	44	30	988	290	504	184	193	52	18	12	460
MIN	5.6	7.7	14	14	62	84	78	39	13	5.1	2.8	2.9

e Estimated.

LACKAWAXEN RIVER BASIN

01429500 DYBERRY CREEK NEAR HONESDALE, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1999, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	58.1	112	125	117	142	233	242	139	74.4	43.4	30.3	41.6
MAX	292	413	388	402	466	552	572	397	291	170	145	281
(WY)	1977	1973	1997	1996	1981	1977	1993	1989	1972	1973	1994	1987
MIN	4.17	5.48	17.4	20.8	20.2	73.0	83.6	43.3	12.0	3.23	5.21	2.26
(WY)	1965	1965	1999	1981	1980	1981	1985	1965	1962	1962	1999	1980

SUMMARY STATISTICS FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1960 - 1999

ANNUAL TOTAL	45077.4			23780.9			113					
ANNUAL MEAN	123			65.2			51.4					
HIGHEST ANNUAL MEAN							186					
LOWEST ANNUAL MEAN							1973					
HIGHEST DAILY MEAN	1210			Mar 10			988			Jan 25		
LOWEST DAILY MEAN	5.5			Sep 19,20			2.8			Aug 13		
ANNUAL SEVEN-DAY MINIMUM	5.9			Sep 15			3.2			Aug 7		
INSTANTANEOUS PEAK FLOW							b1310			Jan 24		
INSTANTANEOUS PEAK STAGE							c6.02			Jan 24		
INSTANTANEOUS LOW FLOW										d.00		
10 PERCENT EXCEEDS	284			158			250					
50 PERCENT EXCEEDS	60			24			56					
90 PERCENT EXCEEDS	8.2			5.5			10					

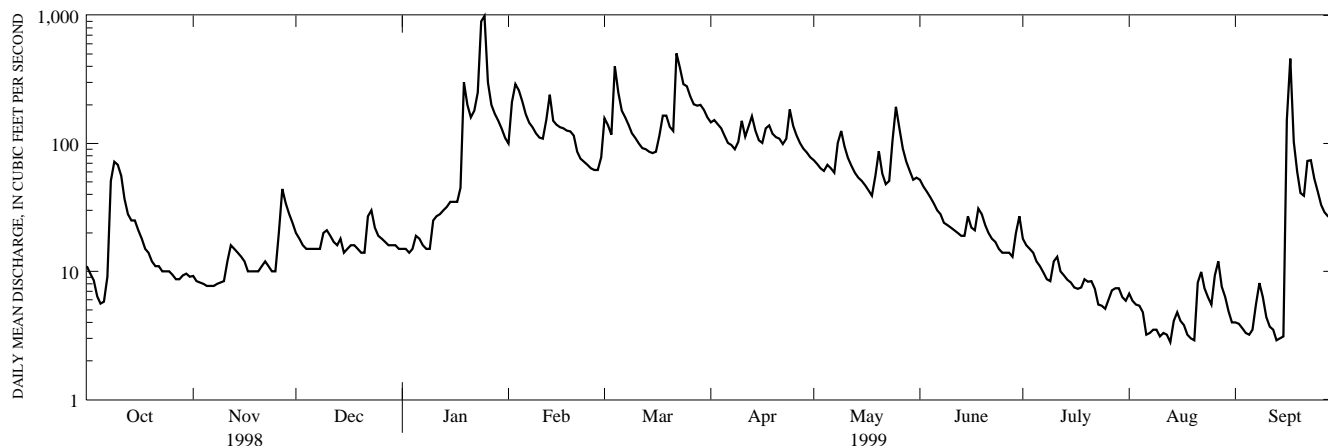
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1959, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	53.7	110	128	119	109	236	262	145	55.8	68.9	45.7	30.5
MAX	348	263	255	248	227	539	628	345	127	293	339	90.8
(WY)	1956	1946	1953	1952	1951	1945	1958	1947	1946	1952	1955	1952
MIN	10.2	18.8	20.4	29.0	47.4	91.8	59.9	44.4	19.2	8.16	5.82	5.30
(WY)	1948	1947	1947	1944	1958	1949	1946	1955	1959	1955	1953	1953

SUMMARY STATISTICS WATER YEARS 1944 - 1959

ANNUAL MEAN	114		
HIGHEST ANNUAL MEAN	170		
LOWEST ANNUAL MEAN	77.2		
HIGHEST DAILY MEAN	5880		
LOWEST DAILY MEAN	2.0		
ANNUAL SEVEN DAY MINIMUM	2.3		
INSTANTANEOUS PEAK FLOW	f15500		
INSTANTANEOUS PEAK STAGE	g14.60		
ANNUAL RUNOFF (CFSM)	1.76		
ANNUAL RUNOFF (INCHES)	23.91		
10 PERCENT EXCEEDS	252		
50 PERCENT EXCEEDS	54		
90 PERCENT EXCEEDS	9.4		

- a From rating curve extended above 900 ft³/s.
- b Corresponding gage height, 5.56 ft.
- c Result of ice jam.
- d Result of shutoff at General Jadwin Reservoir.
- f From rating curve extended above 2,500 ft³/s on basis of slope-area measurement at gage height 13.78 ft.
- g Site and datum then in use.



1-YEAR HYDROGRAPH
OCTOBER 1, 1998 TO SEPTEMBER 30, 1999