

## 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 mi<sup>2</sup>.

**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 National Geodetic Vertical Datum of 1929. 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 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	8.8	36	21	209	e51	183	306	84	40	9.1	9.9
2	9.8	8.5	31	20	266	e48	155	369	68	35	8.9	9.1
3	9.4	8.3	25	19	e150	71	141	363	57	33	9.1	8.6
4	9.3	8.2	20	20	132	e70	132	226	51	30	9.1	15
5	8.0	8.4	17	20	e100	e52	116	193	81	27	10	13
6	7.0	8.3	15	19	e100	e52	106	156	180	25	12	11
7	6.7	8.6	14	e19	88	51	97	137	597	23	9.7	11
8	6.7	8.4	13	29	81	49	106	127	302	22	8.4	12
9	6.4	8.4	16	28	78	47	92	136	186	23	7.7	11
10	6.8	8.8	17	27	80	62	92	138	132	26	7.3	11
11	7.7	8.5	16	27	498	54	77	111	103	22	7.0	10
12	9.0	8.2	16	27	259	48	69	140	103	19	6.7	8.1
13	10	8.1	17	26	e160	49	69	562	87	18	6.4	7.5
14	8.9	8.2	27	25	e130	50	113	1070	147	18	6.2	7.4
15	11	8.1	58	25	e120	46	233	573	381	17	6.5	7.2
16	14	7.9	42	25	109	62	176	300	458	16	6.2	15
17	14	7.8	40	24	104	66	132	226	261	15	7.9	16
18	15	8.0	149	e20	e85	59	111	428	174	14	7.4	11
19	12	7.8	104	e17	e79	60	98	470	149	13	6.8	9.1
20	11	8.3	71	25	78	69	90	274	120	13	8.7	8.0
21	9.4	8.4	57	25	93	96	84	215	98	13	6.9	7.3
22	9.1	8.5	46	25	96	e120	79	181	84	12	6.6	7.7
23	10	8.2	e38	26	82	e94	78	152	83	12	7.5	15
24	12	8.2	46	30	71	98	69	136	71	16	13	15
25	13	9.4	44	e42	66	116	77	125	67	15	19	11
26	12	22	e30	e58	64	146	116	139	61	13	12	9.8
27	11	20	e27	e60	65	809	86	116	56	12	9.0	71
28	9.7	16	e27	e66	60	462	403	108	58	12	7.5	252
29	9.3	15	e26	93	---	281	825	124	49	12	14	69
30	8.8	17	e23	199	---	230	407	99	46	11	18	38
31	8.8	---	e20	211	---	188	---	84	---	10	12	---
TOTAL	306.8	298.3	1128	1298	3503	3756	4612	7784	4394	587	286.6	706.7
MEAN	9.897	9.943	36.39	41.87	125.1	121.2	153.7	251.1	146.5	18.94	9.245	23.56
MAX	15	22	149	211	498	809	825	1070	597	40	19	252
MIN	6.4	7.8	13	17	60	46	69	84	46	10	6.2	7.2

e Estimated.

## LACKAWAXEN RIVER BASIN

## 01429500 DYBERRY CREEK NEAR HONESDALE, PA--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	57.50	108.5	123.5	112.4	141.6	230.7	240.8	142.2	77.91	42.09	29.62	40.61
MAX (WY)	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 (WY)	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 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1960 - 2002
ANNUAL TOTAL	25668.8	28660.4	
ANNUAL MEAN	70.3	78.5	112
HIGHEST ANNUAL MEAN			186
LOWEST ANNUAL MEAN			51.4
HIGHEST DAILY MEAN	925	Apr 10	2460
LOWEST DAILY MEAN	5.2	Aug 26	1.2
ANNUAL SEVEN-DAY MINIMUM	5.6	Aug 21	1.8
MAXIMUM PEAK FLOW			2600
MAXIMUM PEAK STAGE			7.32
INSTANTANEOUS LOW FLOW			a0.00
10 PERCENT EXCEEDS	142	184	248
50 PERCENT EXCEEDS	30	27	56
90 PERCENT EXCEEDS	7.3	8.2	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 (WY)	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 (WY)	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

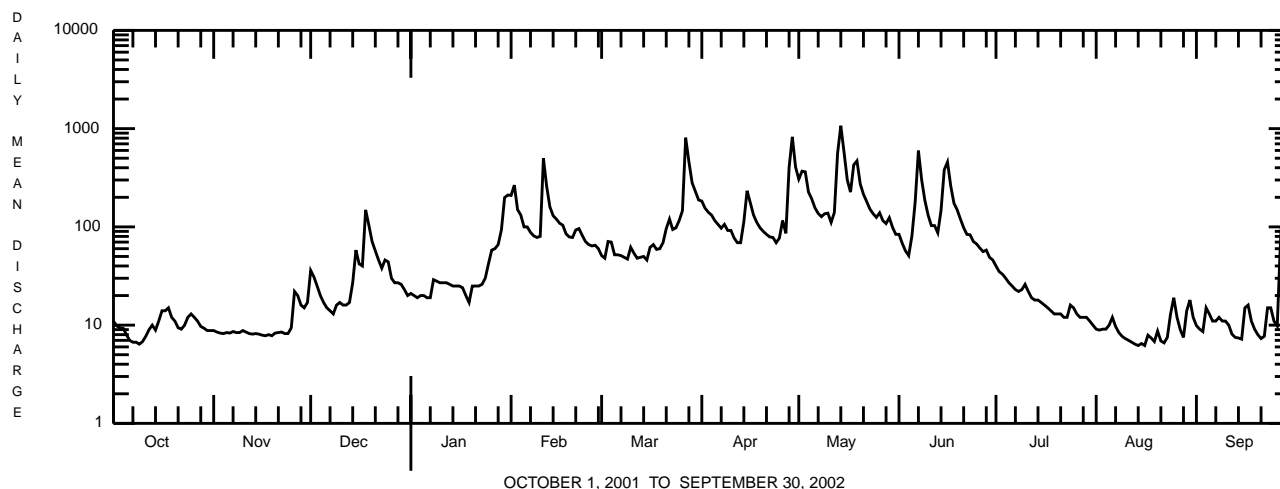
## SUMMARY STATISTICS WATER YEARS 1944 - 1959

ANNUAL MEAN	114	
HIGHEST ANNUAL MEAN	170	1952
LOWEST ANNUAL MEAN	77.2	1957
HIGHEST DAILY MEAN	5880	Jul 10 1952
LOWEST DAILY MEAN	2.0	Oct 5 1953
ANNUAL SEVEN DAY MINIMUM	2.3	Sep 29 1953
MAXIMUM PEAK FLOW	b15500	Jul 10 1952
MAXIMUM PEAK STAGE	c14.60	Jul 10 1952
ANNUAL RUNOFF (CFSM)	1.76	
ANNUAL RUNOFF (INCHES)	23.91	
10 PERCENT EXCEEDS	252	
50 PERCENT EXCEEDS	54	
90 PERCENT EXCEEDS	9.4	

a Result of shutoff at General Jadwin Reservoir.

b From rating curve extended above 2,500 ft<sup>3</sup>/s on basis of slope-area measurement at gage height 13.78 ft.

c Site and datum then in use.



OCTOBER 1, 2001 TO SEPTEMBER 30, 2002