



2004 Water Year LACKAWAXEN RIVER BASIN

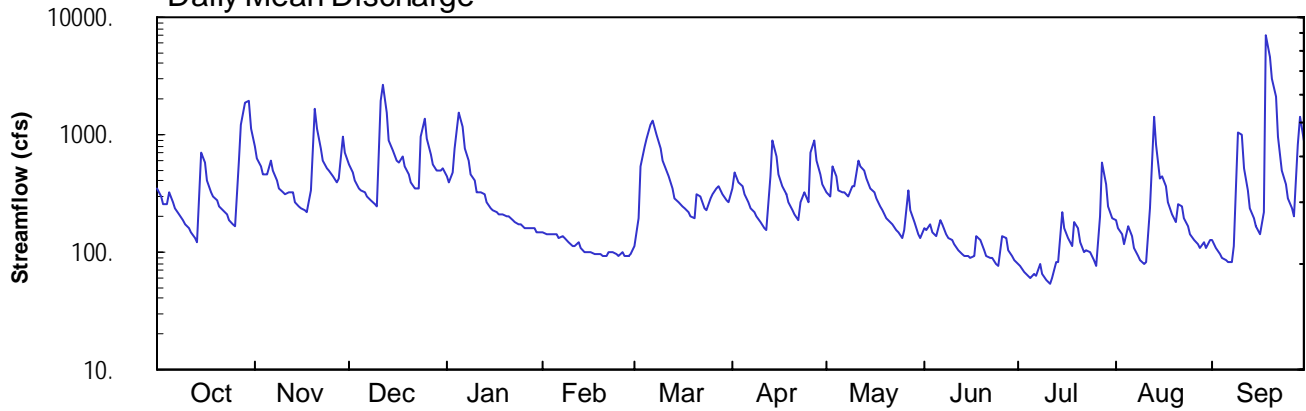
01430000 Lackawaxen River near Honesdale, PA

Latitude: 41° 33 ' 43"
Wayne County

Longitude: 075° 14 ' 54"
Datum: 946.34 feet

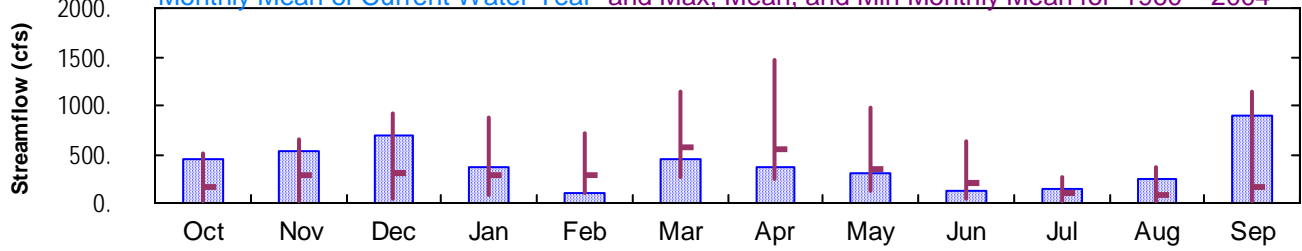
Hydrologic Unit Code: 02040103
Drainage Area: 164. mi²

Daily Mean Discharge

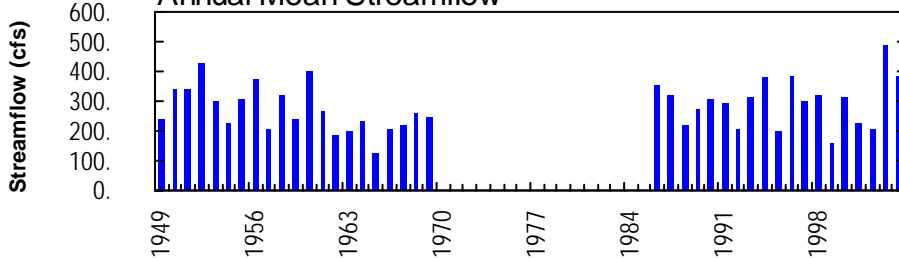


Monthly Statistics

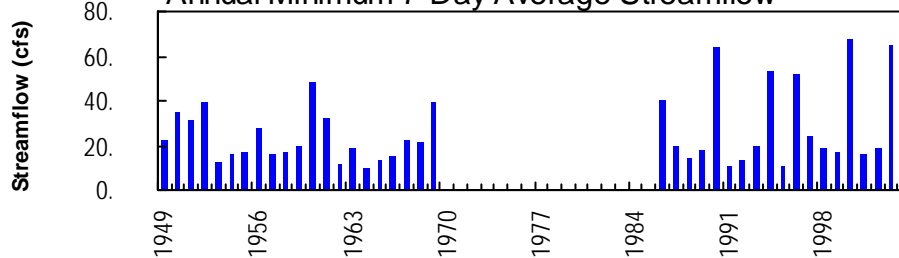
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1960 – 2004



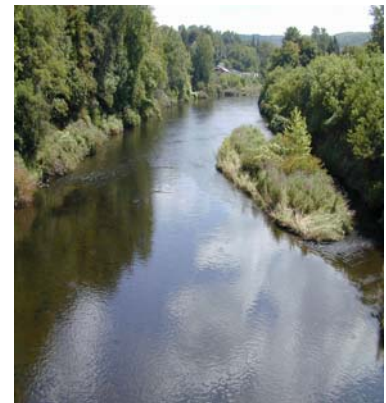
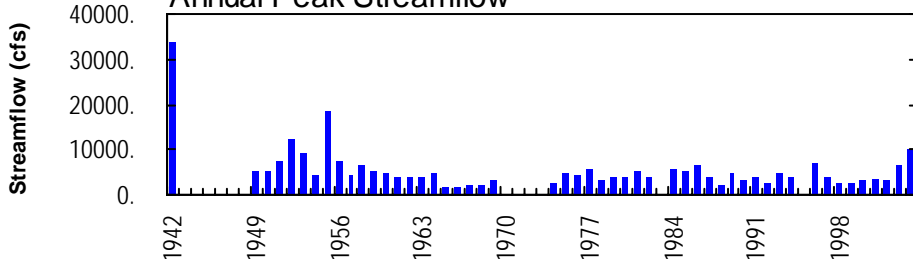
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



LACKAWAXEN RIVER BASIN

01430000 LACKAWAXEN RIVER NEAR HONSDALE, 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 National Geodetic Vertical Datum of 1929.

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 and landline 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	351	781	552	442	e150	111	355	325	158	80	187	128
2	299	619	475	399	e140	195	483	294	153	75	163	108
3	259	537	406	474	e140	539	398	533	175	67	141	98
4	256	459	351	775	144	796	365	433	146	63	119	90
5	317	466	331	1520	e140	937	316	339	138	61	165	85
6	270	607	323	1160	134	1230	266	321	185	64	135	84
7	238	502	303	768	135	1300	240	323	173	62	107	83
8	210	414	277	596	e130	999	222	297	144	78	93	112
9	189	350	257	e460	e120	775	202	368	130	66	84	1040
10	171	321	248	e410	115	601	179	367	127	58	78	981
11	158	313	1920	e320	112	498	163	597	116	54	81	517
12	147	323	2680	319	124	434	153	526	105	59	239	329
13	132	318	1520	306	107	355	444	501	97	84	1430	240
14	122	266	883	e270	e100	289	885	424	93	82	808	195
15	706	250	733	e240	e100	264	639	344	92	217	428	164
16	576	235	607	e230	e98	245	456	322	89	158	437	145
17	402	228	575	e220	e97	237	367	287	94	134	365	217
18	327	221	659	210	e95	220	307	247	138	110	265	6920
19	295	335	540	e210	e95	205	270	224	125	177	209	4660
20	272	1660	456	e200	e91	196	229	196	105	162	182	3020
21	247	1120	391	e200	93	308	206	186	93	123	256	2140
22	230	770	352	e190	99	301	190	173	88	102	249	944
23	208	611	349	e180	99	233	261	157	88	103	192	494
24	187	517	967	e170	95	228	325	149	80	99	163	376
25	172	490	1390	e170	e94	285	266	131	76	84	141	289
26	165	441	912	e160	99	316	711	154	136	77	125	239
27	591	399	684	e160	93	354	896	332	130	198	116	205
28	1220	432	564	e160	91	360	602	231	102	588	109	836
29	1860	961	490	e160	95	312	466	178	93	383	121	1440
30	1930	704	496	e150	---	275	384	143	85	249	109	896
31	1120	---	512	e150	---	265	---	130	---	197	127	---
TOTAL	13627	15650	21203	11379	3225	13663	11246	9232	3554	4114	7424	27075
MEAN	440	522	684	367	111	441	375	298	118	133	239	902
MAX	1930	1660	2680	1520	150	1300	896	597	185	588	1430	6920
MIN	122	221	248	150	91	111	153	130	76	54	78	83

e Estimated.

LACKAWAXEN RIVER BASIN

01430000 LACKAWAXEN RIVER NEAR HONESDALE, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1969, 1986 - 2004, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	159	289	300	276	280	564	548	344	207	93.6	90.4	164
MAX	504	650	925	884	716	1133	1464	985	634	255	364	1140
(WY)	2003	1987	1997	1996	1990	1986	1993	1989	2003	1996	1994	2003
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 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 1960 - 1969 1986 - 2004

ANNUAL TOTAL	188482	141392		
ANNUAL MEAN	516	386	276	
HIGHEST ANNUAL MEAN			484	2003
LOWEST ANNUAL MEAN			130	1965
HIGHEST DAILY MEAN	4840	Sep 4	6920	Sep 18
LOWEST DAILY MEAN	69	Jul 20, 21 ^a	54	Jul 11
ANNUAL SEVEN-DAY MINIMUM	76	Jul 15	63	Jul 6
MAXIMUM PEAK FLOW			10100	Sep 18
MAXIMUM PEAK STAGE			10.54	Sep 18
INSTANTANEOUS LOW FLOW			6.2	Sep 25 1964
10 PERCENT EXCEEDS	1120	777	608	
50 PERCENT EXCEEDS	321	239	150	
90 PERCENT EXCEEDS	125	93	30	

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	1952
LOWEST ANNUAL MEAN	209	1957
HIGHEST DAILY MEAN	8920	Aug 19 1955
LOWEST DAILY MEAN	12	Aug 29 1953
ANNUAL SEVEN DAY MINIMUM	12	Aug 29 1953
MAXIMUM PEAK FLOW	^b 18600	Aug 18 1955
MAXIMUM PEAK STAGE	15.52	Aug 18 1955
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. 28.

^b From rating curve extended above 11,000 ft³/s.