

LACKAWAXEN RIVER BASIN

01432000 WALLENSPAUPACK CREEK AT WILSONVILLE, PA

LOCATION.--Lat 41°27'33", long 75°11'08", Pike County, Hydrologic Unit 02040103, at hydroelectric plant of Pennsylvania Power and Light Co., at lower end of penstock, at Kimble, and 1.2 mi south of Hawley.

DRAINAGE AREA.--228 mi².

PERIOD OF RECORD.--October 1909 to current year. Monthly discharge only for some periods, published in WSP 1302.

REVISED RECORDS.--WSP 756: Drainage area. WSP 1302: 1918, 1923-24. WSP 1432: 1920-21. WSP 2102: 1966 (monthly mean). WDR PA-92-1: 1990.

GAGE.--Daily discharge determined from flow through turbines, computed from records of generator output and flow over roller gates on basis of head on gates. Prior to Nov. 3, 1925, nonrecording gage at site 1,000 ft downstream from dam at datum 1,146.78 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good. No flow over spillway or roller gates. Flow regulated since 1925 by Lake Wallenpaupack (station 01431700).

COOPERATION.--Records of generator load, operation of power plant, net operation head, water-surface elevations in lake, and daily discharges furnished by Pennsylvania Power and Light Co., in connection with a Federal Energy Regulatory Commission project.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	277	1500	635	189	1020	158	1170	1700	445	0
2	133	0	636	1670	543	127	996	0	1600	1610	0	502
3	313	0	807	1340	653	458	1100	0	1720	1290	0	579
4	367	4	647	1050	544	627	1010	0	1690	1110	250	510
5	416	2	625	1050	687	413	1010	0	1720	1160	185	543
6	416	0	626	952	717	496	1550	0	1360	1270	245	327
7	415	0	283	820	690	589	1120	0	1120	724	283	399
8	395	183	238	780	560	168	1300	0	1090	754	440	637
9	434	0	663	887	512	176	1370	97	735	315	232	562
10	453	0	645	763	583	603	1320	0	700	426	367	630
11	464	0	686	765	565	386	1290	0	952	562	0	597
12	0	0	684	790	579	385	2	0	1200	0	0	721
13	0	30	736	800	655	440	0	0	1050	0	354	361
14	0	0	1060	852	562	459	525	2	815	627	649	333
15	0	0	440	831	662	0	703	0	741	524	588	563
16	0	0	753	688	574	12	793	1	617	467	382	1400
17	0	0	810	707	817	12	672	0	430	511	271	1580
18	0	247	735	628	669	0	651	0	598	462	392	1570
19	0	174	749	512	502	0	0	126	557	0	533	1580
20	0	203	679	659	552	276	0	348	576	0	410	1570
21	0	174	270	620	687	84	493	179	617	529	447	1580
22	0	202	261	925	726	436	527	146	1690	431	514	1420
23	0	135	736	1020	754	448	543	204	1720	687	2	1270
24	0	211	811	974	828	381	550	0	1720	499	0	1430
25	0	524	614	970	444	598	657	0	1720	602	685	1430
26	52	522	1270	985	491	789	0	0	1720	348	573	1430
27	0	583	1460	830	519	744	0	136	1720	556	623	564
28	0	248	1050	906	553	588	0	197	1700	847	20	0
29	0	221	1350	974	---	851	0	271	1690	953	394	0
30	0	236	727	870	---	996	0	260	1680	1000	0	0
31	0	---	877	856	---	1030	---	0	---	981	0	---
TOTAL	3858	3899	22205	27974	17263	12761	19202	2125	36418	20945	9284	24088
MEAN	124	130	716	902	617	412	640	68.5	1214	676	299	803
MAX	464	583	1460	1670	828	1030	1550	348	1720	1700	685	1580
MIN	0.00	0.00	238	512	444	0.00	0.00	0.00	430	0.00	0.00	0.00

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01432000 WALLENPAUPACK CREEK AT WILSONVILLE, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2003, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	271	244	352	446	441	407	463	347	388	344	301	336
MAX	750	1012	1242	1070	1112	1125	1500	1849	1573	965	995	1018
(WY)	1956	1956	1997	1978	1978	1998	1958	1996	1972	1928	1969	1987
MIN	1.32	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
(WY)	1996	2001	1926	1926	1926	1926	1926	1926	1958	1956	1956	1956

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1926 - 2003	
ANNUAL TOTAL	114716.00		200022			
ANNUAL MEAN	314		548		361	
HIGHEST ANNUAL MEAN					638	
LOWEST ANNUAL MEAN					86.9	
HIGHEST DAILY MEAN	1720		May 1a		1720	
LOWEST DAILY MEAN	0.00		Jan 1c		0.00	
ANNUAL SEVEN-DAY MINIMUM	0.00		Jan 8		0.00	
10 PERCENT EXCEEDS	736		1290		918	
50 PERCENT EXCEEDS	175		524		242	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 1925, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	235	271	384	490	426	868	831	468	307	206	143	144
MAX	542	627	1043	1219	1031	1656	1677	682	838	575	532	366
(WY)	1913	1920	1921	1911	1915	1920	1916	1924	1917	1916	1915	1915
MIN	28.0	32.0	69.5	104	156	344	396	283	115	57.0	49.0	35.0
(WY)	1910	1910	1923	1918	1920	1924	1925	1922	1921	1912	1910	1910

SUMMARY STATISTICS WATER YEARS 1910 - 1925

MEAN	397
HIGHEST MEAN	527
LOWEST MEAN	279
HIGHEST DAILY MEAN	4840
LOWEST DAILY MEAN	8.0
SEVEN-DAY MINIMUM	10
10 PERCENT EXCEEDS	910
50 PERCENT EXCEEDS	240
90 PERCENT EXCEEDS	60

- a Also May 2, 15-17, 19, 30.
- b Also June 5, 23-27.
- c Many days each year.

