

LACKAWAXEN RIVER BASIN

01432000 WALLEPAUPACK 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.

WATER-DISCHARGE RECORDS

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 sea level.

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 Power Commission project.

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	351	0	50	0	433	562	582	0	222	295	49	284
2	352	0	0	0	365	605	553	0	229	244	0	223
3	0	0	0	0	453	464	521	465	139	123	0	269
4	0	0	0	0	431	591	489	489	0	123	0	0
5	448	30	0	107	391	522	479	586	0	388	0	0
6	351	0	0	0	344	409	556	446	0	575	0	0
7	432	0	0	0	344	494	588	433	292	98	0	207
8	291	0	0	0	371	557	580	0	338	255	0	226
9	365	0	0	0	620	584	566	0	199	410	84	219
10	0	3.0	0	0	560	514	476	0	0	0	0	276
11	0	0	0	0	601	503	496	0	0	0	41	0
12	264	0	0	0	677	463	609	0	0	248	0	0
13	193	60	0	0	525	428	599	0	0	360	315	0
14	262	0	0	37	491	405	587	0	224	344	211	293
15	219	0	0	0	667	546	554	0	0	0	0	441
16	251	0	0	0	865	561	524	0	249	366	223	0
17	45	0	0	0	849	583	0	0	455	32	215	730
18	0	0	0	0	943	614	0	0	270	60	215	0
19	0	0	0	223	999	556	543	0	0	210	262	0
20	0	0	0	0	1070	497	513	0	0	264	246	561
21	0	0	0	0	864	501	571	0	419	263	0	439
22	0	0	0	0	942	544	540	0	363	342	0	549
23	0	0	0	0	945	586	610	0	282	298	263	487
24	0	0	0	0	903	541	0	0	271	61	217	472
25	0	0	0	250	904	581	0	0	401	60	204	0
26	0	0	0	427	0	591	543	0	74	222	169	0
27	0	0	0	445	407	501	592	0	69	452	257	568
28	0	0	0	497	472	474	543	0	187	326	0	575
29	0	0	0	459	---	610	418	0	209	237	0	495
30	0	0	0	237	---	584	551	0	305	215	273	437
31	0	---	56	352	---	524	---	0	---	158	246	---
TOTAL	3824	93	106	3034	18436	16495	14183	2419	5197	7429	3490	8251
MEAN	123	3.10	3.42	97.9	658	532	473	78.0	173	240	113	275
MAX	44	60	56	497	1070	614	610	586	455	575	315	730
MIN	0	0	0	0	344	405	0	0	0	0	0	0

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01432000 WALLENPAUPACK CREEK AT WILSONVILLE, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 1999, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	276	254	356	449	449	409	458	348	372	338	305	329
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	1.50	0	0	0	0	0	0	0	0	0	0
(WY)	1996	1966	1926	1926	1926	1926	1926	1926	1958	1956	1956	1956

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1926 - 1999	
ANNUAL TOTAL	156800		82957			
ANNUAL MEAN	430		227		361	
HIGHEST ANNUAL MEAN					638	
LOWEST ANNUAL MEAN					86.9	
HIGHEST DAILY MEAN	1780	May 13	1070	Feb 20	9650	May 25 1996
LOWEST DAILY MEAN	0	Jan 3	0	Oct 3	0	Nov 4 1925 ^a
ANNUAL SEVEN-DAY MINIMUM	0	Aug 11	0	Oct 18	0	Nov 4 1925
10 PERCENT EXCEEDS	1110		575		918	
50 PERCENT EXCEEDS	354		158		242	
90 PERCENT EXCEEDS	0		0		0	

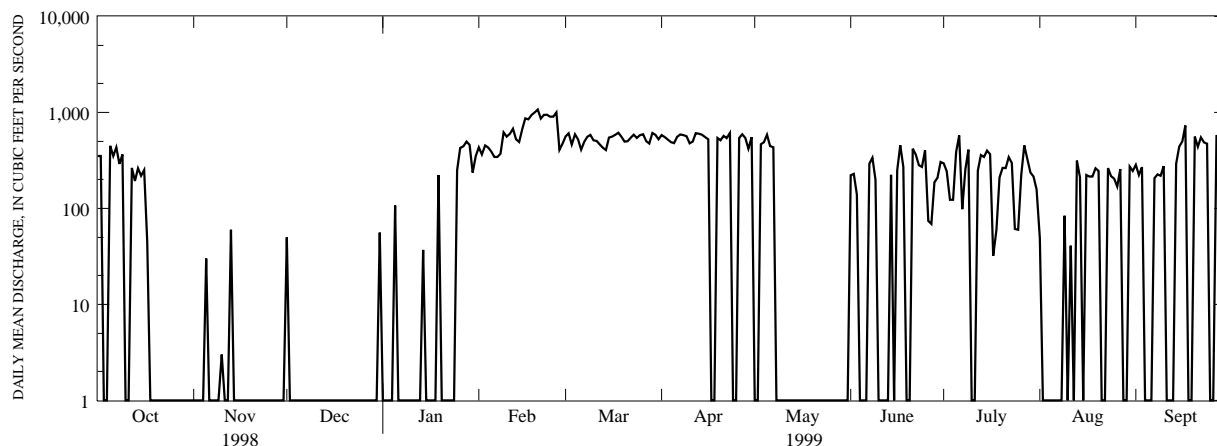
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 1925, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	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 Many days each year.



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