

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

Web address: <http://water.usgs.gov/orh/nrwww/public/odrm>

Summary river data for September 2-8, 2002 (preliminary data-subject to revision)

RESERVOIR OPERATION DATA

Millions of gallons - 24 hour period, local time

Date	Discharge to river			Diversions to New York City water supply			Average June 1, 2002 to date
	Pepacton	Cannonsville	Neversink	Pepacton	Cannonsville	Neversink	
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Sept. 2	61	408	46	450	197	0	727
3	45	413	34	450	197	0	727
4	45	485	34	450	197	0	726
5	45	470	34	450	197	0	725
6	45	748	34	449	198	0	724
7	71	760	59	449	198	52	724
8	84	443	71	449	198	186	725

Pepacton Reservoir (P):	Available storage Sept. 9, 2002 (0800) Spillway crest elevation 1,280.00 ft.	92.754 billion gals. 66.2% (elev. 1,251.50 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Sept. 9, 2002 (0800) Spillway crest elevation 1,150.00 ft.	38.896 billion gals. 40.6 % (elev. 1,105.64 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Sept. 9, 2002 (0800) Spillway crest elevation 1,440.00 ft.	21.150 billion gals. 60.5 % (elev. 1,408.25 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Sept. 9, 2002 (0800) Combined capacity at spillway level	152.800 billion gals. 56.4 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Sept. 8, 2002 (2400) Spillway crest elevation 1,190.00 ft.	16.962 billion gals. 47.8 % (elev. 1,179.9 ft.) 35.451 billion gallons.

SEGREGATION OF FLOW, DELAWARE RIVER AT MONTAGUE AND  
PRECIPITATION IN UPPER DELAWARE RIVER BASIN

Discharge in cubic feet per second, local time as routed to Montague

Date	Releases from N.Y.C. Reservoirs				Power releases		Computed uncon- trolled <sup>2</sup>	Total Discharge	Precipitation	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
									Daily	Cumul.
Sept. 2	1,114	94	968	53	0	0	455	1,570	.03	.03
3	774	94	627	53	414	0	482	1,670	0	.03
4	798	94	631	71	445	0	399	1,640	.30	.33
5	786	94	639	53	353	0	471	1,610	0	.33
6	872	70	750	53	418	0	479	1,770	0	.33
7	847	70	727	53	421	0	439	1,710	0	.33
8	1,279	70	1,157	53	0	0	320	1,600	0	.33

1. Release directed to maintain a flow at Montague of 1,750 cfs.

2. Includes conservation release of 60 cfs from Rio Reservoir.

Diversions by New Jersey through the D & R Canal, September 2-8, 2002, averaged 92.9 mgd. The average diversion for the 30-day period ending September 8, 2002 was 90.7 mgd and the maximum diversion was 100 mgd on August 19, 2002.

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Summary river data for September 9-15, 2002 (preliminary data-subject to revision)

RESERVOIR OPERATION DATA

Millions of gallons - 24 hour period, local time

Date	Discharge to river			Diversions to New York City water supply			Average June 1, 2002 to date
	Pepacton	Cannonsville	Neversink	Pepacton	Cannonsville	Neversink	
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Sept. 9	84	366	58	449	197	163	726
10	84	402	45	450	196	136	726
11	46	446	34	450	195	51	726
12	45	485	34	449	45	54	724
13	45	603	34	449	14	56	722
14	45	465	34	449	196	105	723
15	45	162	34	450	197	106	723

Pepacton Reservoir (P):	Available storage Sept. 16, 2002 (0800) Spillway crest elevation 1,280.00 ft.	89.418 billion gals. 63.8% (elev. 1,249.23 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Sept. 16, 2002 (0800) Spillway crest elevation 1,150.00 ft.	35.251 billion gals. 36.8 % (elev. 1,102.00 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Sept. 16, 2002 (0800) Spillway crest elevation 1,440.00 ft.	20.272 billion gals. 58.0 % (elev. 1,405.91 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Sept. 16, 2002 (0800) Combined capacity at spillway level	144.941 billion gals. 53.5 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Sept. 15, 2002 (2400) Spillway crest elevation 1,190.00 ft.	14.674 billion gals. 41.4 % (elev. 1,178.6 ft.) 35.451 billion gallons.

SEGREGATION OF FLOW, DELAWARE RIVER AT MONTAGUE AND  
PRECIPITATION IN UPPER DELAWARE RIVER BASIN

Discharge in cubic feet per second, local time as routed to Montague

Date	Releases from N.Y.C. Reservoirs				Power releases		Computed uncon- trolled <sup>2</sup>	Total Discharge	Precipitation	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
									Daily	Cumul.
Sept. 9	1,337	70	1,176	91	4	0	249	1,590	0	.33
10	906	110	685	110	561	0	254	1,720	0	.33
11	788	130	566	90	609	0	265	1,660	0	.33
12	822	130	622	70	577	0	301	1,700	0	.33
13	871	130	690	53	619	0	228	1,720	0	.33
14	875	71	750	53	526	0	390	1,790	0	.33
15	1,056	70	933	53	512	0	322	1,890	.03	.36

1. Release directed to maintain a flow at Montague of 1,750 cfs.

2. Includes conservation release of 60 cfs from Rio Reservoir.

Diversions by New Jersey through the D & R Canal, September 9-15, 2002, averaged 65.4 mgd. The average diversion for the 30-day period ending September 15, 2002 was 86.5 mgd and the maximum diversion was 100 mg on August 19, 2002.

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Summary river data for September 16-22, 2002 (preliminary data-subject to revision)

RESERVOIR OPERATION DATA

Millions of gallons - 24 hour period, local time

Date	Discharge to river			Diversions to New York City water supply			Average June 1, 2002 to date
	Pepacton	Cannonsville	Neversink	Pepacton	Cannonsville	Neversink	
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Sept. 16	45	146	34	500	197	84	724
17	45	264	34	354	108	91	722
18	45	245	34	502	0	122	721
19	45	262	35	501	0	115	720
20	45	483	34	501	0	134	719
21	45	130	33	501	0	102	718
22	45	239	34	502	0	98	717

Pepacton Reservoir (P):	Available storage Sept. 23, 2002 (0800) Spillway crest elevation 1,280.00 ft.	86.193 billion gals. 61.5% (elev. 1,246.99 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Sept. 23, 2002 (0800) Spillway crest elevation 1,150.00 ft.	33.973 billion gals. 35.5 % (elev. 1,100.71 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Sept. 23, 2002 (0800) Spillway crest elevation 1,440.00 ft.	19.428 billion gals. 55.6 % (elev. 1,403.61 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Sept. 23, 2002 (0800) Combined capacity at spillway level	139.594 billion gals. 51.5 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Sept. 22, 2002 (2400) Spillway crest elevation 1,190.00 ft.	12.036 billion gals. 34.0 % (elev. 1,177.1 ft.) 35.451 billion gallons.

SEGREGATION OF FLOW, DELAWARE RIVER AT MONTAGUE AND  
PRECIPITATION IN UPPER DELAWARE RIVER BASIN

Discharge in cubic feet per second, local time as routed to Montague

Date	Releases from N.Y.C. Reservoirs				Power releases		Computed uncon- trolled <sup>2</sup>	Total Discharge	Precipitation	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
									Daily	Cumul.
Sept. 16	842	70	719	53	516	0	802	2,160	1.28	1.64
17	0	70	251	53	477	0	1,179	2,030	.02	1.66
18	0	70	226	53	545	53	733	1,680	0	1.66
19	531	70	408	53	616	103	550	1,800	0	1.66
20	502	70	379	53	613	35	580	1,730	0	1.66
21	528	70	405	54	456	71	484	1,540	0	1.66
22	867	70	747	53	451	0	339	1,660	.65	2.31

1. Release directed to maintain a flow at Montague of 1,750 cfs.

2. Includes conservation release of 60 cfs from Rio Reservoir.

Diversions by New Jersey through the D & R Canal, September 16-22, 2002, averaged 53.1 mgd. The average diversion for the 30-day period ending September 22, 2002 was 76.3 mgd and the maximum diversion was 100 mg on September 19, 2002.

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Summary river data for September 23-29, 2002 (preliminary data-subject to revision)

RESERVOIR OPERATION DATA

Millions of gallons - 24 hour period, local time

Date	Discharge to river			Diversions to New York City water supply			Average June 1, 2002 to date
	Pepacton	Cannonsville	Neversink	Pepacton	Cannonsville	Neversink	
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Sept. 23	45	264	34	503	0	103	716
24	45	205	34	500	0	87	715
25	45	360	34	501	0	114	714
26	45	99	34	501	0	100	713
27	45	56	34	500	0	108	713
28	45	29	34	500	0	107	712
29	45	44	34	500	0	107	711

Pepacton Reservoir (P):	Available storage Sept. 30, 2002 (0800) Spillway crest elevation 1,280.00 ft.	83.359 billion gals. 59.5% (elev. 1,244.98 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Sept. 30, 2002 (0800) Spillway crest elevation 1,150.00 ft.	34.607 billion gals. 36.2 % (elev. 1,101.35 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Sept. 30, 2002 (0800) Spillway crest elevation 1,440.00 ft.	19.086 billion gals. 54.6 % (elev. 1,402.67 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Sept. 30, 2002 (0800) Combined capacity at spillway level	137.052 billion gals. 50.6 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Sept. 29, 2002 (2400) Spillway crest elevation 1,190.00 ft.	10.997 billion gals. 31.0 % (elev. 1,176.5 ft.) 35.451 billion gallons.

SEGREGATION OF FLOW, DELAWARE RIVER AT MONTAGUE AND  
PRECIPITATION IN UPPER DELAWARE RIVER BASIN

Discharge in cubic feet per second, local time as routed to Montague

Date	Releases from N.Y.C. Reservoirs				Power releases		Computed uncon- trolled <sup>2</sup>	Total Discharge	Precipitation	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
									Daily	Cumul.
Sept. 23	0	70	201	51	0	0	698	1,020	.53	2.84
24	492	70	370	53	373	0	854	1,720	0	2.84
25	530	70	408	53	475	0	924	1,930	0	2.84
26	443	70	317	53	469	85	666	1,660	0	2.84
27	680	70	557	53	429	96	595	1,800	.96	3.80
28	0	70	153	53	499	67	2,378	3,220	1.06	4.86
29	0	70	87	53	0	0	3,290	3,500	0	4.86

1. Release directed to maintain a flow at Montague of 1,750 cfs.

2. Includes conservation release of 60 cfs from Rio Reservoir.

Diversions by New Jersey through the D & R Canal, September 23-29, 2002, averaged 55.0 mgd. The average diversion for the 30-day period ending September 29, 2002 was 67.6 mgd and the maximum diversion was 100 mg on September 19, 2002.

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Summary river data for September 30 - October 6, 2002 (preliminary data-subject to revision)

RESERVOIR OPERATION DATA

Millions of gallons - 24 hour period, local time

Date	Discharge to river			Diversions to New York City water supply			Average June 1, 2002 to date
	Pepacton	Cannonsville	Neversink	Pepacton	Cannonsville	Neversink	
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Sept. 30	42	59	28	500	0	110	710
Oct. 1	29	72	16	500	0	107	709
2	29	134	16	500	0	164	709
3	29	306	16	499	0	71	708
4	29	222	16	500	0	80	707
5	29	248	16	500	0	42	705
6	29	323	16	500	0	71	704

Pepacton Reservoir (P):	Available storage Oct. 7, 2002 (0800)	80.479 billion gals. 57.4% (elev. 1,242.90 ft.)
	Spillway crest elevation 1,280.00 ft.	140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Oct. 7, 2002 (0800)	34.220 billion gals. 35.8 % (elev. 1,100.96 ft.)
	Spillway crest elevation 1,150.00 ft.	95.706 billion gallons.
Neversink Reservoir (N):	Available storage Oct. 7, 2002 (0800)	18.593 billion gals. 53.2 % (elev. 1,401.29 ft.)
	Spillway crest elevation 1,440.00 ft.	34.941 billion gallons.
Combined contents, PCN:	Available storage Oct. 7, 2002 (0800)	133.292 billion gals. 49.2 %
	Combined capacity at spillway level	270.837 billion gallons.
Lake Wallenpaupack:	Available storage Oct. 6, 2002 (2400)	10.306 billion gals. 29.1 % (elev. 1,176.1 ft.)
	Spillway crest elevation 1,190.00 ft.	35.451 billion gallons.

SEGREGATION OF FLOW, DELAWARE RIVER AT MONTAGUE AND  
PRECIPITATION IN UPPER DELAWARE RIVER BASIN

Discharge in cubic feet per second, local time as routed to Montague

Date	Releases from N.Y.C. Reservoirs				Power releases		Computed uncon- trolled <sup>2</sup>	Total Discharge	Precipitation	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
									Daily	Cumul.
Sept. 30	0	70	45	53	0	0	2,302	2,470	0	4.86
Oct. 1	0	70	68	53	0	0	1,639	1,830	0	0
2	0	70	91	43	36	0	1,270	1,510	0	0
3	175	65	111	25	133	0	1,126	1,460	.15	.15
4	279	45	207	25	277	35	1,011	1,600	.07	.22
5	543	45	473	25	367	35	1,105	2,050	.18	.40
6	411	45	343	25	416	53	1,128	2,010	0	.40

1. Release directed to maintain a flow at Montague of 1,750 cfs.

2. Includes conservation release of 60 cfs from Rio Reservoir.

Diversions by New Jersey through the D & R Canal, September 30 - October 6, 2002, averaged 66.0 mgd. The average diversion for the 30-day period ending October 6, 2002 was 62.1 mgd and the maximum diversion was 100 mgd on September 19, 2002.