

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for April 7 - 13, 2003 (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			
	Pepacton		Cannonsville		Neversink		Pepacton	Cannonsville	Neversink	Average June 1, 2002 to date
	release begin 1200	spill begin 0800	release end 2400	spill begin 0800	release begin 1500	spill begin 0800	beginning 0800	beginning 0800	beginning 0800	
Apr. 7	29	985	29	1,441	16	261	0	0	0	483
8	29	859	29	1,299	16	241	390	0	0	483
9	29	465	29	1,196	16	234	500	0	0	483
10	29	345	29	1,060	16	233	500	176	0	484
11	29	303	29	924	16	274	500	195	0	484
12	29	300	29	839	16	322	500	195	0	485
13	29	282	29	771	16	315	500	195	0	486

Pepacton Reservoir (P):	Available storage April 14, 2003 (0800) Spillway crest elevation 1,280.00 ft.	140.783 billion gals. 100.4 % (elev. 1,280.32 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage April 14, 2003 (0800) Spillway crest elevation 1,150.00 ft.	97.846 billion gals. 102.2 % (elev. 1,151.33 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage April 14, 2003 (0800) Spillway crest elevation 1,440.00 ft.	35.150 billion gals. 100.6 % (elev. 1,440.42 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage April 14, 2003 (0800) Combined capacity at spillway level.	273.779 billion gals. 101.1 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage April 13, 2003 (2400) Spillway crest elevation 1,190.00 ft.	26.680 billion gals. 75.3 % (elev. 1,185.3 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 ²	Total Discharge	Precipitation	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
							Daily	Cumul.		
Apr. 7	0	45	45	23	1,571	752	10,964	13,400	.05	.97
8	0	43	43	25	1,270	667	10,852	12,900	.35	1.32
9	0	45	45	25	1,295	553	10,037	12,000	0	1.32
10	0	45	45	25	1,348	564	9,273	11,300	.01	1.33
11	0	45	45	25	1,304	553	9,228	11,200	.01	1.34
12	0	45	45	25	872	652	10,491	12,100	.32	1.66
13	0	45	45	25	0	326	11,159	11,600	0	1.66

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

2. Includes conservation release of 100 cfs from Rio Reservoir and spill from Pepacton, Cannonsville and Neversink Reservoirs.

Diversions by New Jersey through the D & R Canal April 7 - 13, 2003, averaged 93.3 mgd. The average diversion for the 30-day period ending April 13, 2003 was 93.9 mgd and the maximum diversion during that period was 104 mg on April 3, 2003.

Date	Releases from N.Y.C. Reservoirs				Power releases		Computed uncon- trolled ²	Total Discharge	Precipitation	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
									Daily	Cumul.

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Summary river data for April 14 - 20, 2003 (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			
	Pepacton		Cannonsville		Neversink		Pepacton	Cannonsville	Neversink	Average June 1, 2002 to date
	release begin 1200	spill begin 0800	release end 2400	spill begin 0800	release begin 1500	spill begin 0800	beginning 0800	beginning 0800	beginning 0800	
Apr. 14	29	261	29	647	16	164	459	37	264	487
15	29	243	29	634	16	2	450	0	286	487
16	29	230	29	616	16	0	450	0	385	488
17	29	215	29	577	16	0	450	0	270	489
18	29	186	29	502	16	0	450	0	281	490
19	29	170	29	443	16	0	451	0	280	491
20	29	110	29	410	16	0	451	0	281	491

Pepacton Reservoir (P):	Available storage April 21, 2003 (0800) Spillway crest elevation 1,280.00 ft.	140.449 billion gals. 100.2 % (elev. 1,280.14 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage April 21, 2003 (0800) Spillway crest elevation 1,150.00 ft.	97.090 billion gals. 101.4 % (elev. 1,150.86 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage April 21, 2003 (0800) Spillway crest elevation 1,440.00 ft.	34.194 billion gals. 97.9 % (elev. 1,438.48 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage April 21, 2003 (0800) Combined capacity at spillway level.	271.733 billion gals. 100.3 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage April 20, 2003 (2400) Spillway crest elevation 1,190.00 ft.	26.497 billion gals. 74.7 % (elev. 1,185.2 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 ²	Total Discharge	Precipitation	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
							Daily	Cumul.		
Apr. 14	0	45	45	25	101	511	9,773	10,500	0	1.66
15	0	45	45	25	624	376	8,485	9,600	0	1.66
16	0	45	45	25	724	238	7,613	8,690	0	1.66
17	0	45	45	25	757	270	6,828	7,970	0	1.66
18	0	45	45	25	719	277	6,159	7,270	0	1.66
19	0	45	45	25	412	379	5,664	6,570	.03	1.69
20	0	45	45	25	0	379	5,266	5,760	0	1.69

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

2. Includes conservation release of 100 cfs from Rio Reservoir and spill from Pepacton, Cannonsville and Neversink Reservoirs.

Diversions by New Jersey through the D & R Canal April 14 - 20, 2003, averaged 100.6 mgd. The average diversion for the 30-day period ending April 20, 2003 was 97.4 mgd and the maximum diversion during that period was 104 mg on April 3, 2003.

Date	Releases from N.Y.C. Reservoirs				Power releases		Computed uncon- trolled ²	Total Discharge	Precipitation	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
									Daily	Cumul.

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Summary river data for April 21 - 27, 2003 (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			
	Pepacton		Cannonsville		Neversink	Pepacton	Cannonsville	Neversink	Average June 1, 2002 to date
	release begin 1200	spill begin 0800	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Apr. 21	29	79	29	368	16	452	0	298	492
22	29	108	29	352	16	318	0	178	492
23	29	145	29	337	16	300	0	201	492
24	29	66	29	360	16	299	0	197	492
25	29	42	29	347	16	299	0	229	492
26	29	158	29	561	16	300	0	252	492
27	29	238	29	778	16	297	0	109	492

Pepacton Reservoir (P):	Available storage April 28, 2003 (0800) Spillway crest elevation 1,280.00 ft.	140.764 billion gals. 100.4 % (elev. 1,280.31 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage April 28, 2003 (0800) Spillway crest elevation 1,150.00 ft.	97.943 billion gals. 102.3 % (elev. 1,151.39 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage April 28, 2003 (0800) Spillway crest elevation 1,440.00 ft.	33.760 billion gals. 96.6 % (elev. 1,437.59 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage April 28, 2003 (0800) Combined capacity at spillway level.	272.467 billion gals. 100.6 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage April 27, 2003 (2400) Spillway crest elevation 1,190.00 ft.	25.950 billion gals. 73.2 % (elev. 1,184.9 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 ²	Total Discharge	Precipitation	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
							Daily	Cumul.		
Apr. 21	0	45	45	25	0	390	4,935	5,440	0	1.69
22	0	45	45	25	534	546	4,545	5,740	.19	1.88
23	0	45	45	25	516	550	4,559	5,740	.05	1.93
24	0	45	45	25	520	454	4,431	5,520	.02	1.95
25	0	45	45	25	539	216	4,110	4,980	0	1.95
26	0	45	45	25	595	177	3,873	4,760	.13	2.08
27	0	45	45	25	0	184	5,711	6,010	.55	2.63

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

2. Includes conservation release of 100 cfs from Rio Reservoir and spill from Pepacton and Cannonsville Reservoirs.

Diversions by New Jersey through the D & R Canal April 21 - 27, 2003, averaged 101.3 mgd. The average diversion for the 30-day period ending April 27, 2003 was 98.6 mgd and the maximum diversion during the period was 104 mg on April 3, 2003.

Date	Releases from N.Y.C. Reservoirs				Power releases		Computed uncon- trolled ²	Total Discharge	Precipitation	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
									Daily	Cumul.

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Summary river data for April 28 - May 4, 2003 (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			
	Pepacton		Cannonsville		Neversink	Pepacton	Cannonsville	Neversink	Average June 1, 2002 to date
	release begin 1200	spill begin 0800	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Apr. 28	29	253	29	824	16	297	0	225	492
29	29	233	29	803	16	188	0	167	492
30	32	218	29	757	21	283	0	191	492
May 1	45	421	29	694	34	35	246	188	492
2	45	1,280	29	743	34	0	293	221	492
3	45	1,809	29	817	34	0	296	127	492
4	45	1,535	29	762	34	0	296	166	492

Pepacton Reservoir (P):	Available storage May 5, 2003 (0800) Spillway crest elevation 1,280.00 ft.	141.894 billion gals. 101.2 % (elev. 1,280.92 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage May 5, 2003 (0800) Spillway crest elevation 1,150.00 ft.	97.798 billion gals. 102.2 % (elev. 1,151.30 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage May 5, 2003 (0800) Spillway crest elevation 1,440.00 ft.	33.081 billion gals. 94.7 % (elev. 1,436.18 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage May 5, 2003 (0800) Combined capacity at spillway level.	272.773 billion gals. 100.7 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage May 4, 2003 (2400) Spillway crest elevation 1,190.00 ft.	27.227 billion gals. 76.8 % (elev. 1,185.6 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 ²	Total Discharge	Precipitation	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
							Daily	Cumul.		
Apr. 28	0	45	45	25	2	145	7,618	7,880	0	2.63
29	0	45	45	25	0	0	6,795	6,910	0	2.63
30	0	45	45	25	0	0	6,095	6,210	0	2.63
May 1	0	45	45	25	28	0	5,587	5,730	0	0
2	0	45	45	32	130	0	5,178	5,430	.48	.48
3	0	50	45	53	0	0	8,322	8,470	.40	.88
4	0	70	45	53	0	71	9,611	9,850	0	.88

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

2. Includes conservation release of 100 cfs from Rio Reservoir and spill from Pepacton and Cannonsville Reservoirs.

Diversions by New Jersey through the D & R Canal April 28 - May 4, 2003, averaged 102.3 mgd. The average diversion for the 30-day period ending May 4, 2003 was 99.5 mgd and the maximum diversion during the period was 104 mgd on May 2, 2003.

Date	Releases from N.Y.C. Reservoirs				Power releases		Computed uncon- trolled ²	Total Discharge	Precipitation	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
									Daily	Cumul.