

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for April 5 - 11, 2004 (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, 2003 to date
	release begin 1200	spill begin 0800	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Apr. 5	29	9	29	677	16	271	0	105	523
6	29	117	29	611	16	0	0	0	522
7	29	323	29	558	16	17	0	156	520
8	29	349	29	516	16	362	0	168	520
9	29	218	29	465	16	433	0	118	521
10	29	133	29	428	16	452	0	110	521
11	29	86	29	378	16	452	0	107	521

Pepacton Reservoir (P):	Available storage Apr. 12, 2004 (0800) Spillway crest elevation 1,280.00 ft.	140.393 billion gals. 100.1 % (elev. 1,280.11 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Apr. 12, 2004 (0800) Spillway crest elevation 1,150.00 ft.	97.041 billion gals. 101.4 % (elev. 1,150.83 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Apr. 12, 2004 (0800) Spillway crest elevation 1,440.00 ft.	34.033 billion gals. 97.4 % (elev. 1,438.15 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Apr. 12, 2004 (0800) Combined capacity at spillway level.	271.467 billion gals. 100.2 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Apr. 11, 2004 (2400) Spillway crest elevation 1,190.00 ft.	23.942 billion gals. 67.5 % (elev. 1,183.8 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 (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	Apr. 5	0	45	45	25	98	383	7,474	8,070	0
6	0	43	42	25	1,004	284	6,342	7,740	0	.64
7	0	45	45	25	1,018	376	5,361	6,870	0	.64
8	0	45	45	25	424	255	5,386	6,180	0	.64
9	0	45	45	25	449	230	5,276	6,070	0	.64
10	0	45	45	25	455	230	4,800	5,600	0	.64
11	0	45	45	25	1	230	4,354	4,700	0	.64

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

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

Diversions by New Jersey through the Delaware and Raritan Canal April 5 - 11, 2004 averaged 92.1 mgd. The average diversion for the 30-day period ending April 11, 2004 was 90.9 mgd and the maximum diversion during the period was 95 mgd on March 17 and 28, 2004.

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Summary river data for April 12 - 18, 2004 (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, 2003 to date
	release begin 1200	spill begin 0800	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Apr. 12	29	43	29	348	16	447	0	103	521
13	29	121	29	434	16	452	0	105	521
14	29	244	29	628	16	0	0	368	521
15	29	414	29	670	16	0	0	384	520
16	29	387	29	656	16	290	0	212	520
17	29	317	29	618	16	281	0	210	520
18	29	313	29	594	16	299	0	210	520

Pepacton Reservoir (P):	Available storage Apr. 19, 2004 (0800) Spillway crest elevation 1,280.00 ft.	140.894 billion gals. 100.5 % (elev. 1,280.38 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Apr. 19, 2004 (0800) Spillway crest elevation 1,150.00 ft.	97.573 billion gals. 102.0 % (elev. 1,151.16 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Apr. 19, 2004 (0800) Spillway crest elevation 1,440.00 ft.	34.008 billion gals. 97.3 % (elev. 1,438.10 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Apr. 19, 2004 (0800) Combined capacity at spillway level.	272.475 billion gals. 100.6 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Apr. 18, 2004 (2400) Spillway crest elevation 1,190.00 ft.	25.037 billion gals. 70.6 % (elev. 1,184.4 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 (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	Apr. 12	0	45	45	25	18	0	4,067	4,200	0
13	0	45	45	25	339	160	4,826	5,440	.65	1.29
14	0	45	45	25	347	319	8,619	9,400	.62	1.91
15	0	45	45	25	412	298	10,275	11,100	.11	2.02
16	0	45	45	25	355	301	8,729	9,500	0	2.02
17	0	45	45	25	258	248	7,649	8,270	0	2.02
18	0	45	45	25	0	71	6,854	7,040	0	2.02

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

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

Diversions by New Jersey through the Delaware and Raritan Canal April 12 - 18, 2004 averaged 76.3 mgd. The average diversion for the 30-day period ending April 18, 2004 was 87.1 mgd and the maximum diversion during the period was 95 mgd on March 28, 2004.

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Summary river data for April 19 - 25, 2004 (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, 2003 to date
	release begin 1200	spill begin 0800	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Apr. 19	29	318	29	596	16	299	0	161	520
20	29	313	29	581	16	299	0	190	520
21	29	169	29	540	16	299	0	203	520
22	29	138	29	465	16	296	0	246	520
23	29	173	29	457	16	449	0	99	520
24	29	116	29	453	16	451	0	189	520
25	29	97	29	440	16	453	0	14	520

Pepacton Reservoir (P):	Available storage Apr. 26, 2004 (0800) Spillway crest elevation 1,280.00 ft.	140.634 billion gals. 100.3 % (elev. 1,280.24 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Apr. 26, 2004 (0800) Spillway crest elevation 1,150.00 ft.	97.251 billion gals. 101.6 % (elev. 1,150.96 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Apr. 26, 2004 (0800) Spillway crest elevation 1,440.00 ft.	33.954 billion gals. 97.2 % (elev. 1,437.99 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Apr. 26, 2004 (0800) Combined capacity at spillway level.	271.839 billion gals. 100.4 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Apr. 25, 2004 (2400) Spillway crest elevation 1,190.00 ft.	26.132 billion gals. 73.7 % (elev. 1,185.0 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 (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	Apr. 19	0	45	45	25	0	18	6,327	6,460	.02
20	0	45	45	25	106	248	5,701	6,170	.04	2.08
21	0	45	45	25	158	294	5,293	5,860	.04	2.12
22	0	45	45	25	191	131	5,003	5,440	0	2.12
23	0	45	45	25	169	152	5,004	5,440	.39	2.51
24	0	45	45	25	173	177	5,955	6,420	.18	2.69
25	0	45	45	25	0	124	5,711	5,950	0	2.69

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

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

Diversions by New Jersey through the Delaware and Raritan Canal April 19 - 25, 2004 averaged 91.0 mgd. The average diversion for the 30-day period ending April 25, 2004 was 87.8 mgd and the maximum diversion during the period was 95 mgd on March 28, 2004.

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Summary river data for April 26 - May 2, 2004 (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, 2003 to date
	release begin 1200	spill begin 0800	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Apr. 26	29	323	29	538	16	454	0	104	520
27	29	441	29	650	16	260	0	353	520
28	29	647	30	653	16	0	0	385	520
29	29	691	29	627	16	0	0	381	520
30	29	522	30	594	16	448	0	203	520
May 1	23	308	30	549	16	447	0	193	520
2	23	241	30	557	16	448	0	195	521

Pepacton Reservoir (P):	Available storage May 3, 2004 (0800) Spillway crest elevation 1,280.00 ft.	140.820 billion gals. 100.4 % (elev. 1,280.34 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage May 3, 2004 (0800) Spillway crest elevation 1,150.00 ft.	97.685 billion gals. 102.1 % (elev. 1,151.23 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage May 3, 2004 (0800) Spillway crest elevation 1,440.00 ft.	33.983 billion gals. 97.3 % (elev. 1,438.05 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage May 3, 2004 (0800) Combined capacity at spillway level.	272.488 billion gals. 100.6 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage May 2, 2004 (2400) Spillway crest elevation 1,190.00 ft.	28.700 billion gals. 81.0 % (elev. 1,186.4 ft.) 35.451 billion gallons.

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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 (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	Apr. 26	0	45	45	25	0	18	5,927	6,060	.75
27	0	45	45	25	0	301	11,184	11,600	.24	3.68
28	0	45	45	25	0	195	10,390	10,700	.01	3.69
29	0	45	45	25	0	0	9,035	9,150	0	3.69
30	0	45	46	25	0	103	8,051	8,270	0	3.69
May 1	0	45	45	25	0	35	7,260	7,410	0	0
2	0	45	46	25	0	106	6,408	6,630	0	0

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

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

Diversions by New Jersey through the Delaware and Raritan Canal April 26 - May 2, 2004 averaged 86.7 mgd. The average diversion for the 30-day period ending May 2, 2004 was 86.5 mgd and the maximum diversion during the period was 94 mg on April 7, 12, and 23, 2004.