

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for January 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	spill begin 0800	beginning 0800	beginning 0800	beginning 0800	
Jan. 5	460	173	30	1,129	16	460	500	0	0	476
6	459	180	30	1,144	16	359	495	0	0	477
7	460	104	30	1,036	16	293	500	0	0	477
8	447	5	30	923	16	274	500	0	0	477
9	516	0	30	784	16	246	500	0	0	477
10	518	0	30	626	16	190	499	0	0	477
11	517	0	30	552	16	208	499	0	0	477

Pepacton Reservoir (P):	Available storage Jan. 12, 2004 (0800) Spillway crest elevation 1,280.00 ft.	138.314 billion gals. 98.7 % (elev. 1,278.98 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Jan. 12, 2004 (0800) Spillway crest elevation 1,150.00 ft.	97.476 billion gals. 101.8 % (elev. 1,150.10 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Jan. 12, 2004 (0800) Spillway crest elevation 1,440.00 ft.	35.120 billion gals. 100.5 % (elev. 1,440.36 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Jan. 12, 2004 (0800) Combined capacity at spillway level.	270.910 billion gals. 100.0 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Jan. 11, 2004 (2400) Spillway crest elevation 1,190.00 ft.	23.577 billion gals. 66.5 % (elev. 1,183.6 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	Excess Release Credits <sup>3</sup>		Precipitation (inches)	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
	Jan. 5	0	712	46	25	1,277	387	15,653	18,100	0	2,994	.85
6	0	710	46	25	1,070	628	16,521	19,000	0	2,994	.09	1.38
7	0	718	46	25	996	826	12,689	15,300	0	2,994	.01	1.39
8	0	712	46	25	906	762	10,249	12,700	0	2,994	.02	1.41
9	0	710	46	25	940	801	9,378	11,900	0	2,994	0	1.41
10	0	712	46	25	1,103	532	7,562	9,980	0	2,994	0	1.41
11	0	692	46	25	1,030	408	5,969	8,170	0	2,994	0	1.41

1. Release directed to maintain a flow at Montague of 1,810 cfs.

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

3. The excess-release quantity for the seasonal period beginning June 15, 2003 is 11,418 cfs-days. Sixty percent is to be released under normal conditions and forty percent is to be used for a habitat bank per DRBC Docket No. D-77-20 CP, Revision 6.

Diversions by New Jersey through the D & R Canal January 5 - 11, 2004 averaged 90.6 mgd. The average diversion for the 30-day period ending January 11, 2004 was 79.1 mgd and the maximum diversion during the period was 99 mg on January 11, 2004.

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Summary river data for January 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	release end 2400	spill begin 0800	release begin 1500	spill begin 0800	beginning 0800	beginning 0800	beginning 0800		
Jan. 12	521	30	557	16	255	499	0	0	477	
13	516	30	564	16	164	499	0	0	477	
14	516	30	522	16	122	499	0	0	477	
15	515	30	407	16	123	499	271	0	479	
16	513	30	227	16	110	499	295	0	480	
17	411	30	164	16	117	493	294	0	481	
18	159	30	129	16	127	438	282	0	482	

Pepacton Reservoir (P):	Available storage Jan. 19, 2004 (0800) Spillway crest elevation 1,280.00 ft.	134.498 billion gals. 95.9 % (elev. 1,276.88 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Jan. 19, 2004 (0800) Spillway crest elevation 1,150.00 ft.	96.334 billion gals. 100.7 % (elev. 1,150.39 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Jan. 19, 2004 (0800) Spillway crest elevation 1,440.00 ft.	35.061 billion gals. 100.3 % (elev. 1,440.24 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Jan. 19, 2004 (0800) Combined capacity at spillway level.	265.893 billion gals. 98.2 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Jan. 18, 2004 (2400) Spillway crest elevation 1,190.00 ft.	21.765 billion gals. 61.4 % (elev. 1,182.6 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	Excess Release Credits <sup>3</sup>		Precipitation (inches)	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
	Jan. 12	0	798	46	25	913	284	6,404	8,470	0	2,994	.10
13	0	801	46	25	727	521	6,570	8,690	0	2,994	.04	1.55
14	0	800	46	25	788	677	5,924	8,260	0	2,994	.01	1.56
15	0	806	46	25	515	660	4,328	6,380	0	2,994	.10	1.66
16	0	798	46	25	564	670	3,987	6,090	0	2,994	0	1.66
17	0	798	46	25	704	511	4,396	6,480	0	2,994	0	1.66
18	0	797	46	25	872	422	5,048	7,210	0	2,994	.05	1.71

1. Release directed to maintain a flow at Montague of 1,810 cfs.

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

3. The excess-release quantity for the seasonal period beginning June 15, 2003 is 11,418 cfs-days. Sixty percent is to be released under normal conditions and forty percent is to be used for a habitat bank per DRBC Docket No. D-77-20 CP, Revision 6.

Diversions by New Jersey through the D & R Canal January 12 - 18, 2004 averaged 99.0 mgd. The average diversion for the 30-day period ending January 18, 2004 was 87.8 mgd and the maximum diversion during the period was 102 mg on January 17, 2004.

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Summary river data for January 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	release end 2400	spill begin 0800	release begin 1500	spill begin 0800	beginning 0800	beginning 0800	beginning 0800		
Jan. 19	29	30	89	16	124	492	292	0	484	
20	29	30	63	16	113	498	295	0	485	
21	29	30	50	16	113	393	241	0	486	
22	29	30	29	16	90	497	296	0	487	
23	29	30	20	16	84	468	212	0	488	
24	29	30	6	16	85	496	296	0	489	
25	29	30	0	16	91	496	296	0	490	

Pepacton Reservoir (P):	Available storage Jan. 26, 2004 (0800) Spillway crest elevation 1,280.00 ft.	132.558 billion gals. 94.6 % (elev. 1,275.80 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Jan. 26, 2004 (0800) Spillway crest elevation 1,150.00 ft.	95.615 billion gals. 99.9 % (elev. 1,149.94 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Jan. 26, 2004 (0800) Spillway crest elevation 1,440.00 ft.	35.036 billion gals. 100.3 % (elev. 1,440.19 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Jan. 26, 2004 (0800) Combined capacity at spillway level.	263.209 billion gals. 97.2 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Jan. 25, 2004 (2400) Spillway crest elevation 1,190.00 ft.	19.615 billion gals. 55.3 % (elev. 1,181.4 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 <sup>2</sup>	Total Discharge	Excess Release Credits <sup>3</sup>		Precipitation (inches)	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
	Jan. 19	0	794	46	25	878	422	5,375	7,540	0	2,994	.03
20	0	636	46	25	761	479	4,763	6,710	0	2,994	0	1.74
21	0	246	46	25	696	181	4,346	5,540	0	2,994	0	1.74
22	0	45	46	25	735	209	3,990	5,050	0	2,994	0	1.74
23	0	45	46	25	705	213	3,706	4,740	0	2,994	.01	1.75
24	0	45	46	25	742	191	3,731	4,780	0	2,994	0	1.75
25	0	45	46	25	830	188	3,336	4,470	0	2,994	0	1.75

1. Release directed to maintain a flow at Montague of 1,810 cfs.

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

3. The excess-release quantity for the seasonal period beginning June 15, 2003 is 11,418 cfs-days. Sixty percent is to be released under normal conditions and forty percent is to be used for a habitat bank per DRBC Docket No. D-77-20 CP, Revision 6.

Diversions by New Jersey through the D & R Canal January 19 - 25, 2004 averaged 100.1 mgd. The average diversion for the 30-day period ending January 25, 2004 was 93.1 mgd and the maximum diversion during the period was 103 mg on January 25, 2004.

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Summary river data for January 26 - February 1, 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				Average June 1, 2003 to date	
	Pepacton		Cannonsville		Neversink		Pepacton	Cannonsville		Neversink
	release begin 1200	release end 2400	release begin 1500	spill begin 0800	beginning 0800	beginning 0800	beginning 0800			
Jan. 26	29	30	16	91	496	296	0	492		
27	29	30	16	103	495	296	0	493		
28	29	46	16	103	495	296	0	494		
29	29	57	16	97	495	296	0	495		
30	29	47	16	87	491	293	0	496		
31	29	56	16	90	496	296	0	498		
Feb. 1	29	55	16	103	496	296	0	499		

Pepacton Reservoir (P):	Available storage Feb. 2, 2004 (0800) Spillway crest elevation 1,280.00 ft.	130.387 billion gals. 93.0 % (elev. 1,274.58 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Feb. 2, 2004 (0800) Spillway crest elevation 1,150.00 ft.	94.671 billion gals. 98.9 % (elev. 1,149.32 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Feb. 2, 2004 (0800) Spillway crest elevation 1,440.00 ft.	35.046 billion gals. 100.3 % (elev. 1,440.21 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Feb. 2, 2004 (0800) Combined capacity at spillway level.	260.104 billion gals. 96.0 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Feb. 1, 2004 (2400) Spillway crest elevation 1,190.00 ft.	18.722 billion gals. 52.8 % (elev. 1,180.9 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	Excess Release Credits <sup>3</sup>		Precipitation (inches)	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
Jan. 26	0	45	46	25	696	124	3,264	4,200	0	2,994	0	1.75
27	0	45	46	25	552	135	3,297	4,100	0	2,994	.05	1.80
28	0	45	46	25	597	174	3,113	4,000	0	2,994	.56	2.36
29	0	45	46	25	563	181	3,140	4,000	0	2,994	0	2.36
30	0	45	71	25	518	206	2,935	3,800	0	2,994	0	2.36
31	0	45	88	25	493	149	3,000	3,800	0	2,994	0	2.36
Feb. 1	0	45	73	25	0	106	2,951	3,200	0	2,994	0	0

1. Release directed to maintain a flow at Montague of 1,810 cfs.

2. Includes conservation release of 100 cfs from Rio Reservoir and spill from Neversink Reservoir.

3. The excess-release quantity for the seasonal period beginning June 15, 2003 is 11,418 cfs-days. Sixty percent is to be released under normal conditions and forty percent is to be used for a habitat bank per DRBC Docket No. D-77-20 CP, Revision 6.

Diversions by New Jersey through the D & R Canal January 26 - February 1, 2004 averaged 95.0 mgd. The average diversion for the 30-day period ending February 1, 2004 was 95.1 mgd and the maximum diversion during the period was 103 mg on January 25, 26, and 28, 2004.