

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for December 6 - 12, 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, 2004 to date
	release begin 1200	spill begin 0800	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Dec. 6	23	719	30	968	16	0	0	0	503
7	23	703	30	841	16	0	0	0	501
8	23	725	30	1,124	16	0	0	189	499
9	23	682	30	1,026	16	0	0	303	498
10	23	1,025	30	1,191	16	0	0	313	497
11	23	1,727	30	1,995	16	0	0	324	496
12	23	1,643	30	2,212	16	0	0	321	495

Pepacton Reservoir (P):	Available storage Dec. 13, 2004 (0800) Spillway crest elevation 1,280.00 ft.	141.969 billion gals. 101.3 % (elev. 1,280.96 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Dec. 13, 2004 (0800) Spillway crest elevation 1,150.00 ft.	99.842 billion gals. 104.3 % (elev. 1,152.57 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Dec. 13, 2004 (0800) Spillway crest elevation 1,440.00 ft.	34.907 billion gals. 99.9 % (elev. 1,439.93 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Dec. 13, 2004 (0800) Combined capacity at spillway level.	276.718 billion gals. 102.2 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Dec. 12, 2004 (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	Excess Release Credits ³		Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
	Dec. 6	0	36	46	25	1,090	418	10,485	12,100	0	5,209	0
7	0	36	46	25	1,092	418	9,383	11,000	0	5,209	.17	1.07
8	0	36	46	25	1,157	511	10,625	12,400	0	5,209	.32	1.39
9	0	36	46	25	1,094	591	10,908	12,700	0	5,209	0	1.39
10	0	36	46	25	1,045	475	11,873	13,500	0	5,209	.46	1.85
11	0	36	46	25	764	780	20,949	22,600	0	5,209	.56	2.41
12	0	36	46	25	775	809	21,109	22,800	0	5,209	.06	2.47

Date	Releases from N.Y.C. Reservoirs				Power releases		Computed uncon- trolled ²	Total Discharge	Excess Release Credits ³		Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily Cumul.	Daily	Cumul.	

1. Release directed to maintain a flow at Montague of 1,820 cfs.

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

3. The excess-release quantity for the seasonal period beginning June 15, 2004 is 13,556 cfs-days. Under normal conditions, 7,856 cfs-days are to be released and 5,700 cfs-days are to be used for a habitat bank per DRBC Docket No. D-77-20 CP, Revision 7.

Diversions by New Jersey through the Delaware & Raritan Canal December 6 - 12, 2004 averaged 75.3 mgd. The average diversion for the 30-day period ending December 12, 2004 was 79.2 mgd and the maximum diversion during the period was 88 mg on November 24, 2004.

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Summary river data for December 13 - 19, 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, 2004 to date
	release begin 1200	spill begin 0800	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Dec. 13	23	1,366	29	2,019	16	0	0	324	494
14	23	1,178	29	1,805	16	0	0	386	494
15	23	884	29	1,474	16	0	0	387	493
16	23	718	29	947	16	0	0	387	493
17	23	638	29	807	16	0	0	338	492
18	23	551	29	702	16	0	0	386	491
19	23	472	29	625	18	0	0	387	491

Pepacton Reservoir (P):	Available storage Dec. 20, 2004 (0800) Spillway crest elevation 1,280.00 ft.	140.987 billion gals. 100.6 % (elev. 1,280.43 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Dec. 20, 2004 (0800) Spillway crest elevation 1,150.00 ft.	97.524 billion gals. 101.9 % (elev. 1,151.13 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Dec. 20, 2004 (0800) Spillway crest elevation 1,440.00 ft.	33.693 billion gals. 96.4 % (elev. 1,437.45 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Dec. 20, 2004 (0800) Combined capacity at spillway level.	272.204 billion gals. 100.5 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Dec. 19, 2004 (2400) Spillway crest elevation 1,190.00 ft.	25.402 billion gals. 71.7 % (elev. 1,184.6 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	Excess Release Credits ³		Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
	Dec. 13	0	36	46	25	1,035	674	17,184	19,000	0	5,209	.03
14	0	36	46	25	1,102	670	14,321	16,200	0	5,209	.07	2.57
15	0	36	45	25	1,081	770	11,643	13,600	0	5,209	0	2.57
16	0	36	45	25	1,118	1,167	9,609	12,000	0	5,209	0	2.57
17	0	36	45	25	1,266	1,089	8,339	10,800	0	5,209	.01	2.58
18	0	36	45	25	757	794	7,593	9,250	0	5,209	0	2.58
19	0	36	45	25	677	426	7,251	8,460	0	5,209	0	2.58

Date	Releases from N.Y.C. Reservoirs				Power releases		Computed uncon- trolled ²	Total Discharge	Excess Release Credits ³		Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily Cumul.	Daily	Cumul.	

1. Release directed to maintain a flow at Montague of 1,820 cfs.

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

3. The excess-release quantity for the seasonal period beginning June 15, 2004 is 13,556 cfs-days. Under normal conditions, 7,856 cfs-days are to be released and 5,700 cfs-days are to be used for a habitat bank per DRBC Docket No. D-77-20 CP, Revision 7.

Diversions by New Jersey through the Delaware & Raritan Canal December 13 - 19, 2004 averaged 80.4 mgd. The average diversion for the 30-day period ending December 19, 2004 was 78.9 mgd and the maximum diversion during the period was 88 mg on November 24, 2004.

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Summary river data for December 20 - 26, 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, 2004 to date
	release begin 1200	spill begin 0800	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Dec. 20	23	370	29	552	26	0	0	357	490
21	23	298	29	487	16	229	0	378	491
22	23	155	29	482	16	283	0	389	492
23	23	734	29	618	16	294	0	389	493
24	23	1,303	29	1,438	16	288	0	388	494
25	23	996	29	1,502	16	287	0	387	494
26	23	736	29	1,332	16	289	0	386	495

Pepacton Reservoir (P):	Available storage Dec. 27, 2004 (0800) Spillway crest elevation 1,280.00 ft.	141.227 billion gals. 100.7 % (elev. 1,280.56 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Dec. 27, 2004 (0800) Spillway crest elevation 1,150.00 ft.	98.716 billion gals. 103.1 % (elev. 1,151.87 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Dec. 27, 2004 (0800) Spillway crest elevation 1,440.00 ft.	33.153 billion gals. 94.9 % (elev. 1,436.33 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Dec. 27 2004 (0800) Combined capacity at spillway level.	273.096 billion gals. 100.8 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Dec. 26, 2004 (2400) Spillway crest elevation 1,190.00 ft.	26.315 billion gals. 74.2 % (elev. 1,185.1 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 ²	Total Discharge	Excess Release Credits ³		Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
Dec. 20	0	36	45	25	1,182	433	6,269	7,990	0	5,209	.05	2.63
21	0	36	45	28	530	142	5,859	6,640	0	5,209	0	2.63
22	0	36	45	40	688	230	5,191	6,230	0	5,209	0	2.63
23	0	36	45	25	570	223	5,681	6,580	0	5,209	.04	2.67
24	0	36	45	25	745	426	14,523	15,800	0	5,209	1.30	3.97
25	0	36	45	25	504	426	14,564	15,600	0	5,209	0	3.97
26	0	36	45	25	545	426	11,423	12,500	0	5,209	0	3.97

Date	Releases from N.Y.C. Reservoirs				Power releases		Computed uncon- trolled ²	Total Discharge	Excess Release Credits ³		Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily Cumul.	Daily	Cumul.	

1. Release directed to maintain a flow at Montague of 1,820 cfs.

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

3. The excess-release quantity for the seasonal period beginning June 15, 2004 is 13,556 cfs-days. Under normal conditions, 7,856 cfs-days are to be released and 5,700 cfs-days are to be used for a habitat bank per DRBC Docket No. D-77-20 CP, Revision 7.

Diversions by New Jersey through the Delaware & Raritan Canal December 20 - 26, 2004 averaged 80.4 mgd. The average diversion for the 30-day period ending Dec. 26, 2004 was 75.2 mgd and the maximum diversion during the period was 86 mgd on December 21 and 22, 2004.

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Summary river data for December 27, 2004 - January 2, 2005 (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, 2004 to date
	release begin 1200	spill begin 0800	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Dec. 27	23	539	29	1,181	16	303	0	387	496
28	23	456	29	1,003	16	0	0	388	496
29	23	512	29	964	16	0	0	382	495
30	23	502	29	827	16	0	0	388	495
31	23	454	29	770	16	1	0	276	494
Jan. 1	23	316	29	720	16	446	0	0	493
2	23	164	29	642	16	446	0	0	493

Pepacton Reservoir (P):	Available storage Jan. 3, 2005 (0800) Spillway crest elevation 1,280.00 ft.	140.560 billion gals. 100.3 % (elev. 1,280.20 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Jan. 3, 2005 (0800) Spillway crest elevation 1,150.00 ft.	97.621 billion gals. 102.0 % (elev. 1,151.19 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Jan. 3, 2005 (0800) Spillway crest elevation 1,440.00 ft.	32.463 billion gals. 92.9 % (elev. 1,434.88 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Jan. 3 2005 (0800) Combined capacity at spillway level.	270.644 billion gals. 99.9 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Jan. 2, 2005 (2400) Spillway crest elevation 1,190.00 ft.	25.037 billion gals. 70.6 % (elev. 1,184.4 ft.) 35.451 billion gallons.

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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	Excess Release Credits ³		Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
	Dec. 27	0	36	45	25	827	426	9,641	11,000	0	5,209	.04
28	0	36	45	25	1,088	426	8,680	10,300	0	5,209	0	4.01
29	0	36	45	25	885	426	7,513	8,930	0	5,209	.02	4.03
30	0	36	45	25	922	418	7,064	8,510	0	5,209	.01	4.04
31	0	36	45	25	845	418	6,621	7,990	0	5,209	0	4.04
Jan. 1	0	36	45	25	631	418	6,425	7,580	0	5,209	.03	.03
2	0	36	45	25	597	418	6,319	7,440	0	5,209	0	.03

Date	Releases from N.Y.C. Reservoirs				Power releases		Computed uncon- trolled ²	Total Discharge	Excess Release Credits ³		Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily Cumul.	Daily	Cumul.	

1. Release directed to maintain a flow at Montague of 1,820 cfs.

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

3. The excess-release quantity for the seasonal period beginning June 15, 2004 is 13,556 cfs-days. Under normal conditions, 7,856 cfs-days are to be released and 5,700 cfs-days are to be used for a habitat bank per DRBC Docket No. D-77-20 CP, Revision 7.

Diversions by New Jersey through the Delaware & Raritan Canal December 27, 2004 - January 2, 2005 averaged 84.6 mgd. The average diversion for the 30-day period ending Jan. 2, 2005 was 80.1 mgd and the maximum diversion during the period was 89 mgd on December 29, 2004.