

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for October 26 - November 1, 2009 (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, 2009 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Oct. 26	94	216	39	424	0	14	515
27	94	231	39	424	0	0	515
28	94	266	39	424	0	0	514
29	94	299	39	430	0	0	514
30	94	380	39	431	0	0	513
31	98	627	41	454	0	0	513
Nov. 1	94	871	40	430	0	0	512

Pepacton Reservoir (P):	Available storage Nov. 2, 2009 (0800) Spillway crest elevation 1,280.00 ft.	118.445 billion gals. 84.5 % (elev. 1,267.68 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Nov. 2, 2009 (0800) Spillway crest elevation 1,150.00 ft.	93.136 billion gals. 97.3 % (elev. 1,148.31 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Nov. 2, 2009 (0800) Spillway crest elevation 1,440.00 ft.	30.854 billion gals. 88.3 % (elev. 1,431.44 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Nov. 2, 2009 (0800) Combined capacity at spillway level.	242.435 billion gals. 89.5 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Nov. 1, 2009 (2400) Spillway crest elevation 1,190.00 ft.	20.152 billion gals. 56.8 % (elev. 1,181.7 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.
	Oct. 26	0	145	333	60	24	0	9,038	9,600	0
27	0	145	334	60	45	0	5,896	6,480	0	3.16
28	0	145	334	60	34	128	6,049	6,750	.60	3.76
29	0	145	357	60	34	422	17,382	18,400	.91	4.67
30	0	145	412	60	598	426	12,659	14,300	0	4.67
31	0	145	463	60	811	426	8,995	10,900	.01	4.68
Nov. 1	0	145	588	60	545	160	7,492	8,990	.11	.11

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

2. Includes conservation release of 100 cfs from Rio Reservoir.

Diversions by New Jersey through the D&R Canal October 26 - November 1, 2009 averaged 73.7 mgd. The average diversion for the 30-day period ending November 1, 2009 was 82.3 mgd and the maximum diversion during the period was 96 mgd on October 12, 2009.

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Summary river data for November 2 - 8, 2009 (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, 2009 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Nov. 2	94	964	40	431	0	0	512
3	94	971	40	431	0	0	511
4	94	972	39	431	0	0	511
5	94	970	40	74	0	0	508
6	94	970	43	98	0	1	505
7	95	969	61	2	0	0	502
8	95	967	61	2	0	0	499

Pepacton Reservoir (P):	Available storage Nov. 9, 2009 (0800) Spillway crest elevation 1,280.00 ft.	119.682 billion gals. 85.4 % (elev. 1,268.41 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Nov. 9, 2009 (0800) Spillway crest elevation 1,150.00 ft.	90.792 billion gals. 94.9 % (elev. 1,146.77 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Nov. 9, 2009 (0800) Spillway crest elevation 1,440.00 ft.	31.719 billion gals. 90.8 % (elev. 1,433.30 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Nov. 9, 2009 (0800) Combined capacity at spillway level.	242.193 billion gals. 89.4 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Nov. 8, 2009 (2400) Spillway crest elevation 1,190.00 ft.	20.332 billion gals. 57.4 % (elev. 1,181.8 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	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
							Daily	Cumul.		
Nov. 2	0	145	970	63	0	241	6,841	8,260	0	.11
3	0	152	1,347	62	448	809	5,252	8,070	0	.11
4	0	145	1,491	62	419	585	4,358	7,060	0	.11
5	0	145	1,502	62	303	376	3,982	6,370	0	.11
6	0	145	1,504	60	385	312	3,664	6,070	.04	.15
7	0	145	1,501	62	481	326	3,345	5,860	0	.15
8	0	145	1,501	67	0	326	3,121	5,160	0	.15

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

2. Includes conservation release of 100 cfs from Rio Reservoir.

Diversion by New Jersey through the D&R Canal November 2 - 8, 2009 averaged 72.4 mgd. The average diversion for the 30-day period ending November 8, 2009 was 78.1 mgd and the maximum diversion during the period was 96 mgd on October 12, 2009.

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Summary river data for November 9 - 15, 2009 (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, 2009 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Nov. 9	94	965	61	0	0	0	496
10	94	895	61	0	0	0	493
11	94	721	61	0	0	0	490
12	94	606	61	0	0	0	487
13	94	445	61	0	0	0	484
14	94	311	61	0	0	0	481
15	94	305	61	0	0	0	478

Pepacton Reservoir (P):	Available storage Nov. 16, 2009 (0800) Spillway crest elevation 1,280.00 ft.	120.701 billion gals. 86.1 % (elev. 1,269.01 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Nov. 16, 2009 (0800) Spillway crest elevation 1,150.00 ft.	89.043 billion gals. 93.0 % (elev. 1,145.62 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Nov. 16, 2009 (0800) Spillway crest elevation 1,440.00 ft.	32.075 billion gals. 91.8 % (elev. 1,434.06 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Nov. 16, 2009 (0800) Combined capacity at spillway level.	241.819 billion gals. 89.3 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Nov. 15, 2009 (2400) Spillway crest elevation 1,190.00 ft.	19.973 billion gals. 56.3 % (elev. 1,181.6 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 (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	Nov. 9	0	145	1,499	94	0	294	3,038	5,070	0
10	0	147	1,496	94	379	326	2,708	5,150	0	.15
11	0	147	1,493	94	462	475	2,469	5,140	0	.15
12	0	145	1,385	94	428	475	2,153	4,680	0	.15
13	0	145	1,115	94	279	475	2,172	4,280	0	.15
14	0	145	937	94	358	489	2,007	4,030	.07	.22
15	0	145	688	94	0	89	2,214	3,230	.03	.25

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

2. Includes conservation release of 100 cfs from Rio Reservoir.

Diversions by New Jersey through the D&R Canal November 9 - 15, 2009 averaged 76.0 mgd. The average diversion for the 30-day period ending November 15, 2009 was 75.9 mgd and the maximum diversion during the period was 91 mg on October 22 and 23, 2009.

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Summary river data for November 16 - 22, 2009 (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, 2009 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Nov. 16	94	305	61	0	208	254	478
17	70	306	61	0	298	371	479
18	68	304	55	1	295	401	481
19	68	305	39	4	298	410	482
20	68	305	39	2	298	418	483
21	68	305	39	0	298	424	485
22	68	305	39	0	298	424	486

Pepacton Reservoir (P):	Available storage Nov. 23, 2009 (0800) Spillway crest elevation 1,280.00 ft.	122.464 billion gals. 87.4 % (elev. 1,270.04 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Nov. 23, 2009 (0800) Spillway crest elevation 1,150.00 ft.	87.450 billion gals. 91.4 % (elev. 1,144.55 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Nov. 23, 2009 (0800) Spillway crest elevation 1,440.00 ft.	30.538 billion gals. 87.4 % (elev. 1,430.75 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Nov. 23, 2009 (0800) Combined capacity at spillway level.	240.452 billion gals. 88.8 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Nov. 22, 2009 (2400) Spillway crest elevation 1,190.00 ft.	20.152 billion gals. 56.8 % (elev. 1,181.7 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.
	Nov. 16	0	145	481	94	34	319	2,347	3,420	0
17	0	145	472	94	213	624	2,112	3,660	0	.25
18	0	145	472	94	214	475	1,970	3,370	0	.25
19	0	145	473	94	254	67	1,947	2,980	0	.25
20	0	108	470	85	217	0	3,250	4,130	1.16	1.41
21	0	105	472	60	207	0	5,776	6,620	0	1.41
22	0	105	472	60	0	0	4,853	5,490	0	1.41

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

2. Includes conservation release of 100 cfs from Rio Reservoir.

Diversions by New Jersey through the D&R Canal November 16 - 22, 2009 averaged 74.0 mgd. The average diversion for the 30-day period ending November 22, 2009 was 73.9 mgd and the maximum diversion during the period was 86 mg on October 31, 2009.

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Summary river data for November 23 - 29, 2009 (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, 2009 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Nov. 23	68	305	39	0	298	422	487
24	68	303	39	0	298	423	489
25	68	305	39	0	298	205	489
26	68	303	39	0	298	206	489
27	68	304	39	0	298	0	488
28	68	304	39	0	298	0	487
29	68	303	39	0	298	0	486

Pepacton Reservoir (P):	Available storage Nov. 30, 2009 (0800) Spillway crest elevation 1,280.00 ft.	123.979 billion gals. 88.4 % (elev. 1,270.92 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Nov. 30, 2009 (0800) Spillway crest elevation 1,150.00 ft.	85.831 billion gals. 89.7 % (elev. 1,143.43 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Nov. 30, 2009 (0800) Spillway crest elevation 1,440.00 ft.	30.037 billion gals. 86.0 % (elev. 1,429.65 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Nov. 30, 2009 (0800) Combined capacity at spillway level.	239.847 billion gals. 88.6 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Nov. 29, 2009 (2400) Spillway crest elevation 1,190.00 ft.	20.511 billion gals. 57.9 % (elev. 1,181.9 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 (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	Nov. 23	0	105	472	60	17	121	4,095	4,870	0
24	0	105	472	60	344	358	3,601	4,940	0	1.41
25	0	105	472	60	460	411	3,302	4,810	0	1.41
26	0	105	469	60	354	291	3,131	4,410	.06	1.47
27	0	105	472	60	0	206	3,137	3,980	0	1.47
28	0	105	469	60	0	67	2,949	3,650	.03	1.50
29	0	105	470	60	0	0	2,825	3,460	0	1.50

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

2. Includes conservation release of 100 cfs from Rio Reservoir.

Diversion by New Jersey through the D&R Canal November 23 - 29, 2009 averaged 78.9 mgd. The average diversion for the 30-day period ending November 29, 2009 was 76.0 mgd and the maximum diversion during the period was 86 mgd on October 31, 2009.