

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for November 30 - December 6, 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. 30	68	303	40	0	298	0	485
Dec. 1	68	274	42	0	298	0	484
2	68	229	42	0	284	0	483
3	93	212	42	0	32	0	480
4	94	212	45	89	0	0	478
5	159	255	65	0	0	0	475
6	159	301	65	0	0	0	473

Pepacton Reservoir (P):	Available storage Dec. 7, 2009 (0800) Spillway crest elevation 1,280.00 ft.	127.882 billion gals. 91.2 % (elev. 1,273.16 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Dec. 7, 2009 (0800) Spillway crest elevation 1,150.00 ft.	86.799 billion gals. 90.7 % (elev. 1,144.10 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Dec. 7, 2009 (0800) Spillway crest elevation 1,440.00 ft.	32.023 billion gals. 91.6 % (elev. 1,433.95 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Dec. 7, 2009 (0800) Combined capacity at spillway level.	246.704 billion gals. 91.1 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Dec. 6, 2009 (2400) Spillway crest elevation 1,190.00 ft.	21.407 billion gals. 60.4 % (elev. 1,182.4 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	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
							Daily	Cumul.		
Nov. 30	0	105	470	60	9	135	2,781	3,560	0	1.50
Dec. 1	0	105	469	60	384	323	2,709	4,050	.08	.08
2	0	105	469	62	294	596	2,624	4,150	0	.08
3	0	105	424	65	390	596	5,180	6,760	1.08	1.16
4	0	105	354	65	425	596	9,755	11,300	0	1.16
5	0	105	328	65	399	206	7,327	8,430	0	1.16
6	0	144	328	70	0	0	6,298	6,840	.28	1.44

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 30 - December 6, 2009 averaged 65.0 mgd. The average diversion for the 30-day period ending December 6, 2009 was 73.1 mgd and the maximum diversion during the period was 83 mg on November 26, 2009.

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Summary river data for December 7 - 13, 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	
Dec. 7	159	302	65	27	0	0	471
8	159	302	65	0	0	0	468
9	159	302	65	0	0	0	466
10	159	303	65	0	0	0	463
11	159	302	65	0	0	0	461
12	159	303	65	0	0	0	459
13	159	302	65	0	0	0	456

Pepacton Reservoir (P):	Available storage Dec. 14, 2009 (0800) Spillway crest elevation 1,280.00 ft.	130.528 billion gals. 93.1 % (elev. 1,274.66 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Dec. 14, 2009 (0800) Spillway crest elevation 1,150.00 ft.	88.541 billion gals. 92.5 % (elev. 1,145.29 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Dec. 14, 2009 (0800) Spillway crest elevation 1,440.00 ft.	32.938 billion gals. 94.3 % (elev. 1,435.88 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Dec. 14, 2009 (0800) Combined capacity at spillway level.	252.007 billion gals. 93.0 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Dec. 13, 2009 (2400) Spillway crest elevation 1,190.00 ft.	22.303 billion gals. 62.9 % (elev. 1,182.9 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.		
Dec. 7	0	145	394	101	0	135	5,635	6,410	0	1.44
8	0	246	466	101	396	305	4,856	6,370	0	1.44
9	0	246	467	101	369	596	4,901	6,680	.81	2.25
10	0	246	467	101	404	613	5,479	7,310	.30	2.55
11	0	246	467	101	457	613	4,966	6,850	0	2.55
12	0	246	469	101	378	613	4,093	5,900	0	2.55
13	0	246	467	101	0	589	3,677	5,080	0	2.55

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 December 7 - 13, 2009 averaged 49.6 mgd. The average diversion for the 30-day period ending December 13, 2009 was 67.6 mgd and the maximum diversion during the period was 83 mg on November 26, 2009.

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Summary river data for December 14 - 20, 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	
Dec. 14	159	303	65	0	0	0	454
15	159	303	65	0	0	0	452
16	159	303	65	0	0	281	451
17	170	303	82	0	0	424	451
18	246	369	123	0	0	423	450
19	318	531	122	0	0	430	450
20	367	650	123	0	0	432	450

Pepacton Reservoir (P):	Available storage Dec. 21, 2009 (0800) Spillway crest elevation 1,280.00 ft.	132.541 billion gals. 94.5 % (elev. 1,275.79 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Dec. 21, 2009 (0800) Spillway crest elevation 1,150.00 ft.	89.895 billion gals. 93.9 % (elev. 1,146.18 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Dec. 21, 2009 (0800) Spillway crest elevation 1,440.00 ft.	31.461 billion gals. 90.0 % (elev. 1,432.75 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Dec. 21, 2009 (0800) Combined capacity at spillway level.	253.897 billion gals. 93.7 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Dec. 20, 2009 (2400) Spillway crest elevation 1,190.00 ft.	22.482 billion gals. 63.4 % (elev. 1,183.0 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.
	Dec. 14	0	246	469	101	26	589	5,379	6,810	.65
15	0	246	467	101	307	589	7,090	8,800	0	3.20
16	0	246	469	101	485	589	7,070	8,960	.04	3.24
17	0	246	469	101	893	589	6,392	8,690	0	3.24
18	0	246	469	101	789	571	5,064	7,240	0	3.24
19	0	246	469	127	718	589	5,141	7,290	0	3.24
20	0	263	571	190	482	489	5,195	7,190	.08	3.32

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 December 14 - 20, 2009 averaged 62.3 mgd. The average diversion for the 30-day period ending December 20, 2009 was 64.4 mgd and the maximum diversion during the period was 83 mg on November 26, 2009.

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Summary river data for December 21 - 27, 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	
Dec. 21	391	838	65	237	0	299	451
22	453	966	65	288	181	309	452
23	452	970	65	290	219	314	454
24	452	968	65	291	199	201	455
25	452	969	65	291	199	201	456
26	453	969	65	291	199	195	457
27	453	966	65	291	199	196	459

Pepacton Reservoir (P):	Available storage Dec. 28, 2009 (0800) Spillway crest elevation 1,280.00 ft.	130.369 billion gals. 93.0 % (elev. 1,274.57 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Dec. 28, 2009 (0800) Spillway crest elevation 1,150.00 ft.	85.774 billion gals. 89.6 % (elev. 1,143.39 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Dec. 28, 2009 (0800) Spillway crest elevation 1,440.00 ft.	30.730 billion gals. 87.9 % (elev. 1,431.17 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Dec. 28, 2009 (0800) Combined capacity at spillway level.	246.873 billion gals. 91.2 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Dec. 27, 2009 (2400) Spillway crest elevation 1,190.00 ft.	23.212 billion gals. 65.5 % (elev. 1,183.4 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.
	Dec. 21	0	381	821	189	384	457	4,698	6,930	0
22	0	492	1,006	190	570	195	4,527	6,980	0	3.32
23	0	568	1,296	101	813	195	4,177	7,150	0	3.32
24	0	605	1,494	101	750	0	3,830	6,780	0	3.32
25	0	701	1,501	101	541	0	3,166	6,010	0	3.32
26	0	699	1,497	101	377	0	3,136	5,810	.21	3.53
27	0	699	1,497	101	269	135	7,899	10,600	.67	4.20

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 December 21 - 27, 2009 averaged 57.0 mgd. The average diversion for the 30-day period ending December 27, 2009 was 59.6 mgd and the maximum diversion during the period was 76 mg on November 28, 30, and December 25, 2009.