

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for December 28, 2009 - January 3, 2010 (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. 28	453	905	65	290	199	9	459
29	453	546	65	290	199	0	459
30	453	308	65	290	199	0	459
31	453	305	84	291	199	0	459
Jan. 1	453	305	121	291	199	0	459
2	453	305	122	292	199	0	459
3	453	306	124	292	199	0	460

Pepacton Reservoir (P):	Available storage Jan. 4, 2010 (0800) Spillway crest elevation 1,280.00 ft.	128.479 billion gals. 91.6 % (elev. 1,273.50 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Jan. 4, 2010 (0800) Spillway crest elevation 1,150.00 ft.	85.282 billion gals. 89.1 % (elev. 1,143.05 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Jan. 4, 2010 (0800) Spillway crest elevation 1,440.00 ft.	31.261 billion gals. 89.5 % (elev. 1,432.32 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Jan. 4, 2010 (0800) Combined capacity at spillway level.	245.022 billion gals. 90.5 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Jan. 3, 2010 (2400) Spillway crest elevation 1,190.00 ft.	23.760 billion gals. 67.0 % (elev. 1,183.7 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 <sup>2</sup>	Total Discharge	Precipitation (inches)	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	Dec. 28	0	699	1,497	101	252	199	10,352	13,100	.01
29	0	701	1,494	101	1,091	408	7,405	11,200	.02	4.23
30	0	701	1,400	101	746	291	5,741	8,980	0	4.23
31	0	701	845	101	1,002	443	4,838	7,930	.05	4.28
Jan. 1	0	701	476	101	849	291	4,842	7,260	.19	.19
2	0	701	472	130	479	220	4,598	6,600	.02	.21
3	0	701	472	187	415	220	4,285	6,280	0	.21

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 28, 2009 - January 3, 2010 averaged 64.1 mgd. The average diversion for the 30-day period ending January 3, 2010 was 58.1 mgd and the maximum diversion during the period was 76 mg on December 25, 2009.

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Summary river data for January 4 - 10, 2010 (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	
Jan. 4	453	304	124	291	199	0	460
5	453	305	123	62	0	0	458
6	453	305	123	0	0	0	456
7	452	331	119	0	0	0	454
8	453	493	64	0	0	0	452
9	453	662	64	0	0	0	450
10	453	835	69	0	0	0	448

Pepacton Reservoir (P):	Available storage Jan. 11, 2010 (0800) Spillway crest elevation 1,280.00 ft.	126.883 billion gals. 90.5 % (elev. 1,272.59 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Jan. 11, 2010 (0800) Spillway crest elevation 1,150.00 ft.	84.024 billion gals. 87.8 % (elev. 1,142.18 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Jan. 11, 2010 (0800) Spillway crest elevation 1,440.00 ft.	31.193 billion gals. 89.3 % (elev. 1,432.17 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Jan. 11, 2010 (0800) Combined capacity at spillway level.	242.100 billion gals. 89.4 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Jan. 10, 2010 (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 <sup>2</sup>	Total Discharge	Precipitation (inches)	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	Jan. 4	0	701	472	189	630	344	3,324	5,660	0
5	0	701	473	192	766	582	3,406	6,120	0	.21
6	0	701	470	192	640	546	3,721	6,270	0	.21
7	0	701	472	190	765	514	3,598	6,240	0	.21
8	0	701	472	190	624	238	3,245	5,470	.05	.26
9	0	701	512	184	638	152	3,263	5,450	.02	.28
10	0	699	763	99	507	152	2,650	4,870	0	.28

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 January 4 - 10, 2010 averaged 93.9 mgd. The average diversion for the 30-day period ending January 10, 2010 was 68.6 mgd and the maximum diversion during the period was 98 mg on January 6, 7, 2010.

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Summary river data for January 11 - 17, 2010 (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	
Jan. 11	452	965	78	0	0	0	446
12	439	968	78	0	0	0	444
13	243	968	78	0	0	0	442
14	159	967	78	0	0	0	440
15	159	969	78	0	0	0	438
16	159	969	78	0	0	0	436
17	159	865	78	0	0	0	434

Pepacton Reservoir (P):	Available storage Jan. 18, 2010 (0800) Spillway crest elevation 1,280.00 ft.	126.603 billion gals. 90.3 % (elev. 1,272.43 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Jan. 18, 2010 (0800) Spillway crest elevation 1,150.00 ft.	79.562 billion gals. 83.1 % (elev. 1,139.05 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Jan. 18, 2010 (0800) Spillway crest elevation 1,440.00 ft.	31.239 billion gals. 89.4 % (elev. 1,432.27 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Jan. 18, 2010 (0800) Combined capacity at spillway level.	237.404 billion gals. 87.7 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Jan. 17, 2010 (2400) Spillway crest elevation 1,190.00 ft.	20.869 billion gals. 58.9 % (elev. 1,182.1 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 <sup>2</sup>	Total Discharge	Precipitation	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
							Daily	Cumul.		
Jan. 11	0	701	1,024	99	598	85	2,603	5,110	0	.28
12	0	701	1,292	107	587	71	3,012	5,770	.01	.29
13	0	701	1,493	121	717	177	3,141	6,350	0	.29
14	0	699	1,497	121	621	266	2,736	5,940	0	.29
15	0	679	1,497	121	688	142	2,413	5,540	0	.29
16	0	376	1,496	121	419	0	2,298	4,710	0	.29
17	0	246	1,499	121	316	0	2,358	4,540	0	.29

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 January 11 - 17, 2010 averaged 93.6 mgd. The average diversion for the 30-day period ending January 17, 2010 was 76.7 mgd and the maximum diversion during the period was 102 mg on January 12, 2010.

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Summary river data for January 18 - 24, 2010 (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	
Jan. 18	159	560	78	0	0	0	432
19	159	319	78	0	0	0	430
20	159	302	78	0	0	0	429
21	168	304	90	0	0	0	427
22	278	410	123	0	0	0	425
23	402	748	123	0	0	0	423
24	453	962	123	0	0	0	421

Pepacton Reservoir (P):	Available storage Jan. 25, 2010 (0800) Spillway crest elevation 1,280.00 ft.	126.377 billion gals. 90.1 % (elev. 1,272.30 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Jan. 25, 2010 (0800) Spillway crest elevation 1,150.00 ft.	78.788 billion gals. 82.3 % (elev. 1,138.49 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Jan. 25, 2010 (0800) Spillway crest elevation 1,440.00 ft.	31.099 billion gals. 89.0 % (elev. 1,431.97 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Jan. 25, 2010 (0800) Combined capacity at spillway level.	236.264 billion gals. 87.2 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Jan. 24, 2010 (2400) Spillway crest elevation 1,190.00 ft.	18.898 billion gals. 53.3 % (elev. 1,181.0 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 <sup>2</sup>	Total Discharge	Precipitation	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
							Daily	Cumul.		
Jan. 18	0	246	1,499	121	294	160	3,060	5,380	.70	.99
19	0	246	1,338	121	900	142	4,453	7,200	0	.99
20	0	246	866	121	1,230	0	3,977	6,440	.04	1.03
21	0	246	493	121	1,293	0	3,527	5,680	0	1.03
22	0	246	467	121	887	160	3,169	5,050	0	1.03
23	0	246	470	139	404	142	2,829	4,230	0	1.03
24	0	260	634	190	312	0	3,004	4,400	0	1.03

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 January 18 - 24, 2010 averaged 72.7 mgd. The average diversion for the 30-day period ending January 24, 2010 was 77.3 mgd and the maximum diversion during the period was 102 mg on January 12, 2010.

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Summary river data for January 25 - 31, 2010 (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	
Jan. 25	189	823	124	0	0	0	420
26	358	418	124	0	0	0	418
27	453	875	123	0	0	443	418
28	453	967	123	0	261	481	419
29	454	968	122	0	215	272	420
30	454	969	123	0	299	418	421
31	454	969	123	0	299	420	422

Pepacton Reservoir (P):	Available storage Feb. 1, 2010 (0800) Spillway crest elevation 1,280.00 ft.	136.654 billion gals. 97.5 % (elev. 1,278.07 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Feb. 1, 2010 (0800) Spillway crest elevation 1,150.00 ft.	86.828 billion gals. 90.7 % (elev. 1,144.12 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Feb. 1, 2010 (0800) Spillway crest elevation 1,440.00 ft.	32.405 billion gals. 92.7 % (elev. 1,434.76 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Feb. 1, 2010 (0800) Combined capacity at spillway level.	255.887 billion gals. 94.5 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Jan. 31, 2010 (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 <sup>2</sup>	Total Discharge	Precipitation	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
							Daily	Cumul.		
Jan. 25	0	430	1,157	190	355	227	6,631	8,990	.59	1.62
26	0	622	1,488	190	834	833	34,933	38,900	1.03	2.65
27	0	701	1,273	192	886	833	19,615	23,500	.01	2.66
28	0	292	647	192	1,016	833	13,820	16,800	.01	2.67
29	0	554	1,354	190	875	833	9,394	13,200	.04	2.71
30	0	701	1,496	190	938	191	7,484	11,000	0	2.71
31	0	701	1,497	189	998	0	5,825	9,210	0	2.71

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 January 25 - 31, 2010 averaged 55.6 mgd. The average diversion for the 30-day period ending January 31, 2010 was 77.8 mgd and the maximum diversion during the period was 102 mg on January 12, 2010.