

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for February 23 - March 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, 2008 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Feb. 23	78	162	42	449	200	362	518
24	58	162	42	448	200	0	518
25	55	162	42	449	200	0	519
26	55	162	42	449	200	2	519
27	55	150	42	449	200	0	520
28	55	121	42	449	75	0	520
Mar. 1	55	100	42	449	9	2	520

Pepacton Reservoir (P):	Available storage Mar. 2, 2009 (0800) Spillway crest elevation 1,280.00 ft.	119.240 billion gals. 85.1 % (elev. 1,268.15 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Mar. 2, 2009 (0800) Spillway crest elevation 1,150.00 ft.	85.167 billion gals. 89.0 % (elev. 1,142.97 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Mar. 2, 2009 (0800) Spillway crest elevation 1,440.00 ft.	25.934 billion gals. 74.2 % (elev. 1,420.23 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Mar. 2, 2009 (0800) Combined capacity at spillway level.	230.341 billion gals. 85.0 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Mar. 1, 2009 (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.
	Feb. 23	0	186	251	65	0	160	3,338	4,000	0	700	.09
24	0	184	251	65	363	266	2,871	4,000	0	700	0	.91
25	0	155	251	65	396	319	2,614	3,800	0	700	0	.91
26	0	121	251	65	426	426	2,711	4,000	0	700	.07	.98
27	0	90	251	65	268	426	3,000	4,100	0	700	0	.98
28	0	85	251	65	340	160	4,499	5,400	0	700	.32	1.30
Mar. 1	0	85	232	65	0	0	6,618	7,000	0	700	0	0

1. Release directed to maintain a flow at Montague of 1,750 cfs. 2. Includes conservation release of 100 cfs from Rio Reservoir.

3. The interim excess-release quantity (IERQ) remaining on March 1, 2009 was 640 cfs-days.

Diversions by New Jersey through the D&R Canal February 23 - March 1, 2009 averaged 88.7 mgd. The average diversion for the 30-day period ending March 1, 2009 was 90.8 mgd and the maximum diversion during the period was 100 mgd on February 3, 2009.

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Summary river data for March 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, 2008 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Mar. 2	55	131	42	449	118	312	521
3	55	160	42	449	99	0	521
4	55	163	42	450	100	0	521
5	55	163	42	449	0	2	521
6	55	164	42	449	0	0	521
7	53	164	40	434	0	0	520
8	55	157	42	450	0	4	520

Pepacton Reservoir (P):	Available storage Mar. 9, 2009 (0800) Spillway crest elevation 1,280.00 ft.	121.899 billion gals. 87.0 % (elev. 1,269.71 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Mar. 9, 2009 (0800) Spillway crest elevation 1,150.00 ft.	90.868 billion gals. 94.9 % (elev. 1,146.82 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Mar. 9, 2009 (0800) Spillway crest elevation 1,440.00 ft.	26.697 billion gals. 76.4 % (elev. 1,422.04 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Mar. 9, 2009 (0800) Combined capacity at spillway level.	239.464 billion gals. 88.4 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Mar. 8, 2009 (2400) Spillway crest elevation 1,190.00 ft.	20.152 billion gals. 56.8 % (elev. 1,187.7 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	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.
	Mar. 2	0	85	187	65	0	53	5,710	6,100	0	700	.02
3	0	85	155	65	370	213	4,312	5,200	0	700	.07	.09
4	0	85	203	65	414	142	3,491	4,400	0	700	0	.09
5	0	85	248	65	255	18	3,829	4,500	0	700	0	.09
6	0	85	252	65	290	301	3,907	4,900	0	700	0	.09
7	0	85	252	65	231	266	3,891	4,790	0	700	0	.09
8	0	85	254	65	0	248	5,848	6,500	0	700	.07	.16

1. Release directed to maintain a flow at Montague of 1,750 cfs. 2. Includes conservation release of 100 cfs from Rio Reservoir.

3. The interim excess-release quantity (IERQ) remaining on March 8, 2009 was 640 cfs-days.

Diversions by New Jersey through the D&R Canal March 2 - 8, 2009 averaged 86.0 mgd. The average diversion for the 30-day period ending March 8, 2009 was 88.4 mgd and the maximum diversion during the period was 98 mg on February 8, 2009.

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Summary river data for March 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, 2008 to date
	release begin 1200	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800		
Mar. 9	57	221	0	42	17	0	13	518	
10	120	656	350	42	0	0	0	516	
11	120	971	719	48	0	0	0	515	
12	120	972	855	65	0	0	0	513	
13	120	971	701	65	0	0	0	511	
14	120	973	429	65	0	0	0	509	
15	120	972	351	61	0	0	0	507	

Pepacton Reservoir (P):	Available storage Mar. 16, 2009 (0800) Spillway crest elevation 1,280.00 ft.	133.473 billion gals. 95.2 % (elev. 1,276.31 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Mar. 16, 2009 (0800) Spillway crest elevation 1,150.00 ft.	96.864 billion gals. 101.2 % (elev. 1,150.72 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Mar. 16, 2009 (0800) Spillway crest elevation 1,440.00 ft.	29.737 billion gals. 85.1 % (elev. 1,428.99 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Mar. 16, 2009 (0800) Combined capacity at spillway level.	260.074 billion gals. 96.0 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Mar. 15, 2009 (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.
	Mar. 9	0	85	254	62	0	390	20,409	21,200	0	700	.66
10	0	82	243	65	223	426	30,561	31,600	0	700	.23	1.05
11	0	85	342	65	325	426	21,157	22,400	0	700	.29	1.34
12	0	88	1,015	65	289	426	19,217	21,100	0	700	.02	1.36
13	0	186	1,502	74	252	426	14,160	16,600	0	700	0	1.36
14	0	186	1,504	101	392	426	10,691	13,300	0	700	0	1.36
15	0	186	1,502	101	0	426	9,085	11,300	0	700	0	1.36

1. Release directed to maintain a flow at Montague of 1,750 cfs. 2. Includes conservation release of 100 cfs from Rio Reservoir.

3. The interim excess-release quantity (IERQ) remaining on March 15, 2009 was 640 cfs-days.

Diversions by New Jersey through the D&R Canal March 9 - 15, 2009 averaged 79.6 mgd. The average diversion for the 30-day period ending March 15, 2009 was 85.6 mgd and the maximum diversion during the period was 91 mg on March 1, 2009.

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Summary river data for March 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, 2008 to date
	release begin 1200	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800		
Mar. 16	120	970	215	42	2	0	0	506	
17	120	969	110	42	300	0	0	505	
18	117	970	69	42	300	0	0	504	
19	94	969	27	42	301	0	0	504	
20	73	968	5	42	302	0	0	503	
21	55	899	0	42	302	0	0	502	
22	55	679	0	42	302	0	0	502	

Pepacton Reservoir (P):	Available storage Mar. 23, 2009 (0800) Spillway crest elevation 1,280.00 ft.	135.348 billion gals. 96.5 % (elev. 1,277.35 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Mar. 23, 2009 (0800) Spillway crest elevation 1,150.00 ft.	95.326 billion gals. 99.6 % (elev. 1,149.75 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Mar. 23, 2009 (0800) Spillway crest elevation 1,440.00 ft.	31.537 billion gals. 90.3 % (elev. 1,432.91 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Mar. 23, 2009 (0800) Combined capacity at spillway level.	262.211 billion gals. 96.8 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Mar. 22, 2009 (2400) Spillway crest elevation 1,190.00 ft.	21.944 billion gals. 61.9 % (elev. 1,182.7 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.
	Mar. 16	0	186	1,505	101	29	426	8,053	10,300	0
17	0	186	1,504	94	325	426	7,185	9,720	0	1.36
18	0	186	1,501	65	432	426	6,610	9,220	0	1.36
19	0	186	1,499	65	334	426	6,600	9,110	.07	1.43
20	0	186	1,501	65	382	426	7,420	9,980	.05	1.48
21	0	181	1,499	65	397	426	6,202	8,770	0	1.48
22	0	145	1,497	65	0	426	5,267	7,400	0	1.48

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 March 16 - 22, 2009 averaged 89.9 mgd. The average diversion for the 30-day period ending March 22, 2009 was 86.1 mgd and the maximum diversion during the period was 91 mg on March 1, 17, 19, and 20, 2009.

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Summary river data for March 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, 2008 to date
	release begin 1200	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Mar. 23	55	575	0	42	299	59	0	501
24	55	205	0	42	401	0	0	501
25	55	163	3	42	400	0	0	500
26	55	234	24	42	442	0	54	500
27	55	490	22	42	448	0	103	501
28	55	717	2	42	448	0	0	500
29	54	749	0	42	451	0	0	500

Pepacton Reservoir (P):	Available storage Mar. 30, 2009 (0800) Spillway crest elevation 1,280.00 ft.	134.841 billion gals. 96.2 % (elev. 1,277.07 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Mar. 30, 2009 (0800) Spillway crest elevation 1,150.00 ft.	95.295 billion gals. 99.6 % (elev. 1,149.73 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Mar. 30, 2009 (0800) Spillway crest elevation 1,440.00 ft.	32.676 billion gals. 93.5 % (elev. 1,435.33 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Mar. 30, 2009 (0800) Combined capacity at spillway level.	262.812 billion gals. 97.0 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Mar. 29, 2009 (2400) Spillway crest elevation 1,190.00 ft.	21.586 billion gals. 60.9 % (elev. 1,182.5 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.
	Mar. 23	0	113	1,391	65	24	426	4,631	6,650	0
24	0	85	1,050	65	609	426	4,065	6,300	0	1.48
25	0	85	890	65	353	426	3,371	5,190	0	1.48
26	0	85	317	65	482	390	3,511	4,850	0	1.48
27	0	85	252	65	377	426	3,655	4,860	.21	1.69
28	0	85	362	65	384	426	3,808	5,130	0	1.69
29	0	85	758	65	0	426	3,876	5,210	.12	1.81

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 March 23 - 29, 2009 averaged 91.7 mgd. The average diversion for the 30-day period ending March 29, 2009 was 87.0 mgd and the maximum diversion during the period was 93 mg on March 26 and 28, 2009.