

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for February 28 - March 6, 2011 (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, 2010 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Feb. 28	68	221	65	308	0	204	685
Mar. 1	68	221	65	450	0	303	685
2	68	222	65	450	0	304	686
3	68	254	49	450	0	309	686
4	68	908	42	450	0	310	686
5	68	966	42	311	0	311	686
6	59	970	42	310	0	313	686

Pepacton Reservoir (P):	Available storage Mar. 7, 2011 (0800) Spillway crest elevation 1,280.00 ft.	123.653 billion gals. 88.2 % (elev. 1,270.73 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Mar. 7, 2011 (0800) Spillway crest elevation 1,150.00 ft.	86.944 billion gals. 90.8 % (elev. 1,144.20 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Mar. 7, 2011 (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 Mar. 7, 2011 (0800) Combined capacity at spillway level.	241.135 billion gals. 89.0 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Mar. 6, 2011 (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	IERQ Releases For Trenton ³		Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
	Feb. 28	0	105	343	65	0	408	6,889	7,810	0	6,327	.31
Mar. 1	0	105	342	71	0	532	11,150	12,200	0	6,327	.27	.27
2	0	105	342	101	1,437	426	10,189	12,600	0	6,327	0	.27
3	0	105	342	101	1,625	496	7,931	10,600	0	6,327	0	.27
4	0	105	343	101	1,677	496	6,618	9,340	0	6,327	0	.27
5	0	105	393	76	1,686	851	6,739	9,850	0	6,327	0	.27
6	0	105	1,405	65	1,686	532	12,807	16,600	0	6,327	.23	.50

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

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

3. DRBC-requested releases from the Interim Excess Release Quantity (IERQ) for flow augmentation of Delaware River at Trenton, N.J.

Diversion by New Jersey through the Delaware and Raritan Canal February 28 - March 6, 2011, averaged 77.9 mgd. The average diversion for the 30-day period ending March 6, 2011 was 83.6 and the maximum daily diversion was 95 mg on February 8, 2011.

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

Summary river data for March 7 - 13, 2011 (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, 2010 to date
	release begin 1200	spill begin 0800	release end 2400	spill begin 0800	release begin 1500	spill begin 0800	beginning 0800	beginning 0800	beginning 0800	
Mar. 7	82	0	977	0	59	0	13	0	9	683
8	432	0	973	0	122	0	0	0	0	681
9	104	0	971	0	124	0	0	0	0	678
10	37	0	378	9	82	0	0	0	0	676
11	58	0	54	4,201	113	652	0	0	0	674
12	370	1,131	54	4,053	118	541	0	0	0	671
13	50	1,436	52	3,235	119	426	0	0	0	669

Pepacton Reservoir (P):	Available storage Mar. 14, 2011 (0800) Spillway crest elevation 1,280.00 ft.	142.005 billion gals. 101.3 % (elev. 1,280.98 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Mar. 14, 2011 (0800) Spillway crest elevation 1,150.00 ft.	101.130 billion gals. 105.7 % (elev. 1,153.37 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Mar. 14, 2011 (0800) Spillway crest elevation 1,440.00 ft.	35.170 billion gals. 100.7 % (elev. 1,440.46 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Mar. 14, 2011 (0800) Combined capacity at spillway level.	278.305 billion gals. 102.8 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Mar. 13, 2011 (2400) Spillway crest elevation 1,190.00 ft.	32.616 billion gals. 92.0 % (elev. 1,188.5 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 ²	Total Discharge	IERQ Releases For Trenton ³		Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
	Mar. 7	0	105	1,494	65	1,680	727	60,329	64,400	0	6,327	2.23
8	0	105	1,501	65	1,679	851	32,999	37,200	0	6,327	0	2.73
9	0	91	1,511	91	1,675	851	20,181	24,400	0	6,327	0	2.73
10	0	127	1,505	189	1,675	851	16,353	20,700	0	6,327	.20	2.93
11	0	668	1,502	192	1,671	851	66,116	71,000	0	6,327	2.08	5.01
12	0	161	585	127	1,285	851	60,591	63,600	0	6,327	.01	5.02
13	0	57	84	175	1,721	851	37,712	40,600	0	6,327	.01	5.03

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

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

3. DRBC-requested releases from the Interim Excess Release Quantity (IERQ) for flow augmentation of Delaware River at Trenton, N.J.

Diversion by New Jersey through the Delaware and Raritan Canal March 7 - 13, 2011, averaged 74.9 mgd. The average diversion for the 30-day period ending March 13, 2011 was 79.5 and the maximum daily diversion was 94 mg on March 9, 2011.

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Summary river data for March 14 - 20, 2011 (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, 2010 to date
	release begin 1200	spill begin 0800	release end 2400	spill begin 0800	release begin 1500	spill begin 0800	beginning 0800	beginning 0800	beginning 0800	
Mar. 14	42	1,495	53	2,809	123	297	0	0	0	667
15	168	1,333	284	2,079	123	207	0	0	0	664
16	443	944	872	1,416	123	238	0	0	0	662
17	453	749	969	1,075	121	250	0	0	175	660
18	348	945	970	1,094	122	393	0	0	205	659
19	58	1,375	970	1,340	123	409	0	0	208	657
20	68	1,383	978	1,222	123	192	0	0	216	656

Pepacton Reservoir (P):	Available storage Mar. 21, 2011 (0800) Spillway crest elevation 1,280.00 ft.	141.857 billion gals. 101.2 % (elev. 1,280.90 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Mar. 21, 2011 (0800) Spillway crest elevation 1,150.00 ft.	98.523 billion gals. 102.9 % (elev. 1,151.75 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Mar. 21, 2011 (0800) Spillway crest elevation 1,440.00 ft.	35.075 billion gals. 100.4 % (elev. 1,440.27 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Mar. 21, 2011 (0800) Combined capacity at spillway level.	275.455 billion gals. 101.7 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Mar. 20, 2011 (2400) Spillway crest elevation 1,190.00 ft.	29.443 billion gals. 83.1 % (elev. 1,186.8 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	IERQ Releases For Trenton ³		Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
	Mar. 14	0	90	84	183	1,721	851	28,671	31,600	0	6,327	0
15	0	572	80	184	1,718	851	21,395	24,800	0	6,327	0	5.03
16	0	77	82	190	1,718	851	18,982	21,900	0	6,327	.10	5.13
17	0	65	439	190	1,721	851	18,934	22,200	0	6,327	.05	5.18
18	0	260	1,349	190	1,721	851	17,529	21,900	0	6,327	0	5.18
19	0	685	1,499	187	1,721	851	19,757	24,700	0	6,327	0	5.18
20	0	701	1,501	189	1,721	851	18,037	23,000	0	6,327	0	5.18

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

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

3. DRBC-requested releases from the Interim Excess Release Quantity (IERQ) for flow augmentation of Delaware River at Trenton, N.J.

Diversion by New Jersey through the Delaware and Raritan Canal March 14 - 20, 2011, averaged 92.6 mgd. The average diversion for the 30-day period ending March 20, 2011 was 80.7 and the maximum daily diversion was 95 mg on March 15, 2011.

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Summary river data for March 21 - 27, 2011 (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, 2010 to date
	release begin 1200	spill begin 0800	release end 2400	spill begin 0800	release begin 1500	spill begin 0800	beginning 0800	beginning 0800	beginning 0800	
Mar. 21	239	1,185	959	1,022	123	113	0	0	280	654
22	444	904	968	840	123	12	0	0	387	653
23	452	592	967	670	123	0	244	0	399	653
24	444	280	972	482	123	0	428	0	318	654
25	454	99	971	325	123	0	450	0	302	654
26	453	8	968	188	123	0	451	0	210	654
27	453	0	969	81	122	0	451	0	212	654

Pepacton Reservoir (P):	Available storage Mar. 28, 2011 (0800) Spillway crest elevation 1,280.00 ft.	139.675 billion gals. 99.6 % (elev. 1,279.72 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Mar. 28, 2011 (0800) Spillway crest elevation 1,150.00 ft.	96.028 billion gals. 100.3 % (elev. 1,150.20 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Mar. 28, 2011 (0800) Spillway crest elevation 1,440.00 ft.	33.925 billion gals. 97.1 % (elev. 1,437.93 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Mar. 28, 2011 (0800) Combined capacity at spillway level.	269.628 billion gals. 99.6 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Mar. 27, 2011 (2400) Spillway crest elevation 1,190.00 ft.	24.307 billion gals. 68.6 % (elev. 1,184.0 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	IERQ Releases For Trenton ³		Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
	Mar. 21	0	528	1,501	190	1,721	851	14,999	19,800	0	6,327	.29
22	0	90	1,513	190	1,724	851	14,232	18,600	0	6,327	.17	5.64
23	0	105	1,484	190	1,724	851	13,346	17,700	0	6,327	.12	5.76
24	0	370	1,497	190	1,724	851	11,468	16,100	0	6,327	.33	6.09
25	0	687	1,496	190	1,728	851	9,348	14,300	0	6,327	0	6.09
26	0	699	1,504	190	1,725	851	7,531	12,500	0	6,327	0	6.09
27	0	687	1,502	190	1,728	124	6,169	10,400	0	6,327	0	6.09

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

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

3. DRBC-requested releases from the Interim Excess Release Quantity (IERQ) for flow augmentation of Delaware River at Trenton, N.J.

Diversion by New Jersey through the Delaware and Raritan Canal March 21 - 27, 2011, averaged 86.6 mgd. The average diversion for the 30-day period ending March 27, 2011 was 82.6 and the maximum daily diversion was 95 mg on March 15, 2011.