

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for March 28 - April 3, 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	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Mar. 28	453	971	14	123	450	0	209	654
29	453	967	0	122	450	0	207	654
30	453	965	0	120	450	0	207	654
31	453	965	0	42	449	0	207	654
Apr. 1	453	967	0	42	447	0	203	654
2	453	970	0	42	437	0	199	654
3	453	971	0	41	450	0	200	654

Pepacton Reservoir (P):	Available storage Apr. 4, 2011 (0800) Spillway crest elevation 1,280.00 ft.	136.636 billion gals. 97.5 % (elev. 1,278.06 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Apr. 4, 2011 (0800) Spillway crest elevation 1,150.00 ft.	93.409 billion gals. 97.6 % (elev. 1,148.49 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Apr. 4, 2011 (0800) Spillway crest elevation 1,440.00 ft.	33.091 billion gals. 94.7 % (elev. 1,436.20 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Apr. 4, 2011 (0800) Combined capacity at spillway level.	263.136 billion gals. 97.2 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Apr. 3, 2011 (2400) Spillway crest elevation 1,190.00 ft.	21.228 billion gals. 59.9 % (elev. 1,182.3 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. 28	0	702	1,497	190	1,728	142	5,551	9,810	0	6,327	0
29	0	701	1,499	189	1,728	284	4,879	9,280	0	6,327	0	6.09
30	0	701	1,502	190	1,733	248	4,506	8,880	0	6,327	0	6.09
31	0	701	1,496	189	1,430	248	4,216	8,280	0	6,327	0	6.09
Apr. 1	0	701	1,493	186	747	319	4,774	8,220	0	6,327	.18	.18
2	0	701	1,493	65	760	390	5,701	9,110	0	6,327	.14	.32
3	0	701	1,496	65	777	248	5,443	8,730	0	6,327	0	.32

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 28 - April 3, 2011, averaged 86.4 mgd. The average diversion for the 30-day period ending April 3, 2011 was 84.4 and the maximum daily diversion was 95 mg on March 15, 2011.

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

Summary river data for April 4 - 10, 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	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800		
Apr. 4	452	967	0	42	450	0	199	654	
5	453	970	0	42	450	0	0	653	
6	453	969	10	42	450	200	0	653	
7	453	966	112	42	450	201	4	653	
8	453	969	172	42	450	201	403	655	
9	445	969	202	42	450	0	405	655	
10	142	967	206	42	450	0	408	656	

Pepacton Reservoir (P):	Available storage Apr. 11, 2011 (0800) Spillway crest elevation 1,280.00 ft.	137.638 billion gals. 98.2 % (elev. 1,278.61 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Apr. 11, 2011 (0800) Spillway crest elevation 1,150.00 ft.	96.655 billion gals. 101.0 % (elev. 1,150.59 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Apr. 11, 2011 (0800) Spillway crest elevation 1,440.00 ft.	33.283 billion gals. 95.3 % (elev. 1,436.60 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Apr. 11, 2011 (0800) Combined capacity at spillway level.	267.576 billion gals. 98.8 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Apr. 10, 2011 (2400) Spillway crest elevation 1,190.00 ft.	23.395 billion gals. 66.0 % (elev. 1,183.5 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.
	Apr. 4	0	701	1,501	65	756	355	5,262	8,640	0	6,327	.15
5	0	701	1,502	63	538	390	6,396	9,590	0	6,327	.33	.80
6	0	701	1,496	65	540	390	10,308	13,500	0	6,327	.16	.96
7	0	699	1,501	65	332	390	9,913	12,900	0	6,327	.24	1.20
8	0	701	1,499	65	266	390	9,079	12,000	0	6,327	.01	1.21
9	0	701	1,494	65	257	248	7,835	10,600	0	6,327	0	1.21
10	0	701	1,499	65	0	355	6,940	9,560	0	6,327	0	1.21

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 April 4 - 10, 2011, averaged 89.1 mgd. The average diversion for the 30-day period ending April 10, 2011 was 89.0 and the maximum daily diversion was 95 mg on March 15, 18, and 19, 2011.

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Summary river data for April 11 - 17, 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	spill	release	spill	release	spill	beginning	beginning	beginning	
	begin 1200	begin 0800	end 2400	begin 0800	begin 1500	begin 0800	0800	0800	0800	
Apr. 11	54	0	970	214	42	0	0	0	209	655
12	56	0	975	245	42	0	537	0	0	654
13	56	0	971	299	42	0	462	0	0	654
14	56	15	970	305	42	0	450	0	285	654
15	59	83	969	207	42	0	450	0	431	655
16	268	190	969	148	42	0	450	0	395	655
17	452	669	968	288	47	123	25	0	395	654

Pepacton Reservoir (P):	Available storage Apr. 18, 2011 (0800)	141.431 billion gals.	100.9 % (elev. 1,280.67 ft.)
	Spillway crest elevation 1,280.00 ft.	140.190 billion gallons.	
Cannonsville Reservoir (C):	Available storage Apr. 18, 2011 (0800)	97.009 billion gals.	101.4 % (elev. 1,150.81 ft.)
	Spillway crest elevation 1,150.00 ft.	95.706 billion gallons.	
Neversink Reservoir (N):	Available storage Apr. 18, 2011 (0800)	35.085 billion gals.	100.4 % (elev. 1,440.29 ft.)
	Spillway crest elevation 1,440.00 ft.	34.941 billion gallons.	
Combined contents, PCN:	Available storage Apr. 18, 2011 (0800)	273.525 billion gals.	101.0 %
	Combined capacity at spillway level.	270.837 billion gallons.	
Lake Wallenpaupack:	Available storage Apr. 17, 2011 (2400)	28.514 billion gals.	80.4 % (elev. 1,186.3 ft.)
	Spillway crest elevation 1,190.00 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.
	Apr. 11	0	701	1,499	65	8	213	6,684	9,170	0	6,327	0
12	0	688	1,496	65	0	337	6,484	9,070	0	6,327	.09	1.30
13	0	220	1,501	65	15	638	8,061	10,500	0	6,327	.38	1.68
14	0	84	1,508	65	733	248	8,962	11,600	0	6,327	.13	1.81
15	0	87	1,502	65	808	195	7,543	10,200	0	6,327	0	1.81
16	0	87	1,501	65	566	124	6,597	8,940	0	6,327	0	1.81
17	0	87	1,499	65	0	124	20,525	22,300	0	6,327	1.59	3.40

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 April 11 - 17, 2011, averaged 66.7 mgd. The average diversion for the 30-day period ending April 17, 2011 was 83.4 and the maximum daily diversion was 95 mgd on March 19, 2011.

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Summary river data for April 18 - 24, 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	spill	release	spill	release	spill	beginning	beginning	beginning	
	begin 1200	begin 0800	end 2400	begin 0800	begin 1500	begin 0800	0800	0800	0800	
Apr. 18	452	817	967	341	78	92	0	0	397	654
19	452	775	965	334	123	3	0	0	398	653
20	452	741	966	325	117	0	0	0	400	652
21	452	621	973	270	70	0	0	0	417	651
22	454	523	976	199	42	0	0	0	414	651
23	452	647	975	232	42	0	0	0	414	650
24	452	680	974	270	42	0	0	0	411	649

Pepacton Reservoir (P):	Available storage Apr. 25, 2011 (0800) Spillway crest elevation 1,280.00 ft.	141.264 billion gals. 100.8 % (elev. 1,280.58 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Apr. 25, 2011 (0800) Spillway crest elevation 1,150.00 ft.	96.816 billion gals. 101.2 % (elev. 1,150.69 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Apr. 25, 2011 (0800) Spillway crest elevation 1,440.00 ft.	34.631 billion gals. 99.1 % (elev. 1,439.37 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Apr. 25, 2011 (0800) Combined capacity at spillway level.	272.711 billion gals. 100.7 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Apr. 24, 2011 (2400) Spillway crest elevation 1,190.00 ft.	28.700 billion gals. 81.0 % (elev. 1,186.4 ft.) 35.451 billion gallons.

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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.
	Apr. 18	0	91	1,499	65	1,702	230	21,013	24,600	0	6,327	.07
19	0	415	1,497	73	1,724	426	15,365	19,500	0	6,327	.02	3.49
20	0	699	1,496	121	1,724	426	14,634	19,100	0	6,327	.32	3.81
21	0	699	1,493	190	1,724	426	13,068	17,600	0	6,327	.04	3.85
22	0	699	1,494	181	1,721	426	10,479	15,000	0	6,327	0	3.85
23	0	699	1,505	108	579	426	9,783	13,100	0	6,327	.40	4.25
24	0	699	1,510	65	0	426	15,600	18,300	0	6,327	.37	4.62

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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 April 18 - 24, 2011, averaged 92.0 mgd. The average diversion for the 30-day period ending April 24, 2011 was 84.1 and the maximum daily diversion was 94 mgd on April 18 and 22, 2011.