

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for April 25 - May 1, 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. 25	452	688	975	288	42	0	0	0	411	
26	369	932	975	619	42	0	0	0	406	648
27	47	1,458	973	1,021	43	51	0	0	34	646
28	42	2,346	500	2,514	123	1,184	0	0	0	644
29	42	2,216	53	3,318	123	642	0	0	0	642
30	42	1,734	52	2,874	103	366	0	0	0	640
May 1	65	1,301	94	2,223	55	303	0	0	0	638

Pepacton Reservoir (P):	Available storage May 2, 2011 (0800) Spillway crest elevation 1,280.00 ft.	141.691 billion gals. 101.1 % (elev. 1,280.81 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage May 2, 2011 (0800) Spillway crest elevation 1,150.00 ft.	99.665 billion gals. 104.1 % (elev. 1,152.46 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage May 2, 2011 (0800) Spillway crest elevation 1,440.00 ft.	35.145 billion gals. 100.6 % (elev. 1,440.41 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage May 2, 2011 (0800) Combined capacity at spillway level.	276.501 billion gals. 102.1 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage May 1, 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.
26	0	699	1,507	65	1,721	426	15,982	20,400	0	6,327	.37	5.09
27	0	699	1,508	65	1,639	550	22,739	27,200	0	6,327	.62	5.71
28	0	699	1,508	65	1,414	443	29,471	33,600	0	6,327	.62	6.33
29	0	571	1,505	67	1,426	798	42,333	46,700	0	6,327	.66	6.99
30	0	73	774	190	1,668	851	28,444	32,000	0	6,327	.01	7.00
May 1	0	65	82	190	1,718	851	21,294	24,200	0	6,327	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 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 25 - May 1, 2011, averaged 83.1 mgd. The average diversion for the 30-day period ending May 1, 2011 was 83.1 and the maximum daily diversion was 94 mgd on April 18 and 22, 2011.

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Summary river data for May 2 - 8, 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	
May 2	70	1,043	130	1,729	55	276	0	0	0	636
3	71	979	129	1,452	55	158	0	0	180	635
4	66	1,410	128	1,899	55	96	0	0	377	634
5	71	1,315	131	2,043	55	5	228	0	415	634
6	71	941	130	1,803	55	0	299	0	408	634
7	71	683	130	1,560	55	0	448	0	304	635
8	71	490	130	1,328	55	0	448	0	299	635

Pepacton Reservoir (P):	Available storage May 9, 2011 (0800) Spillway crest elevation 1,280.00 ft.	140.950 billion gals. 100.5 % (elev. 1,280.41 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage May 9, 2011 (0800) Spillway crest elevation 1,150.00 ft.	98.651 billion gals. 103.1 % (elev. 1,151.83 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage May 9, 2011 (0800) Spillway crest elevation 1,440.00 ft.	34.409 billion gals. 98.5 % (elev. 1,438.92 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage May 9, 2011 (0800) Combined capacity at spillway level.	274.010 billion gals. 101.2 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage May 8, 2011 (2400) Spillway crest elevation 1,190.00 ft.	29.628 billion gals. 83.6 % (elev. 1,186.9 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.
	May 2	0	65	80	159	1,718	851	16,627	19,500	0	6,327	0
3	0	65	145	85	1,718	851	13,736	16,600	0	6,327	0	0
4	0	101	201	85	1,330	851	13,932	16,500	0	6,327	.81	.81
5	0	108	200	85	624	851	19,032	20,900	0	6,327	.24	1.05
6	0	110	198	85	1,019	851	16,137	18,400	0	6,327	0	1.05
7	0	102	203	85	289	851	12,970	14,500	0	6,327	0	1.05
8	0	110	201	85	0	851	11,253	12,500	0	6,327	.04	1.09

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 May 2 - 8, 2011, averaged 90.1 mgd. The average diversion for the 30-day period ending May 8, 2011 was 83.5 and the maximum daily diversion was 94 mgd on April 18 and 22, 2011.

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Summary river data for May 9 - 15, 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	beginning 0800	beginning 0800	beginning 0800	
May 9	71	303	131	1,107	55	450	0	298	635
10	71	199	131	929	55	450	0	303	636
11	71	87	130	724	55	450	0	242	636
12	71	57	130	610	55	435	266	91	636
13	71	18	130	423	55	450	300	219	637
14	71	1	130	316	55	450	300	0	638
15	71	0	130	258	55	450	300	3	638

Pepacton Reservoir (P):	Available storage May 16, 2011 (0800) Spillway crest elevation 1,280.00 ft.	140.079 billion gals. 99.9 % (elev. 1,279.94 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage May 16, 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 May 16, 2011 (0800) Spillway crest elevation 1,440.00 ft.	34.032 billion gals. 97.4 % (elev. 1,438.15 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage May 16, 2011 (0800) Combined capacity at spillway level.	270.927 billion gals. 100.0 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage May 15, 2011 (2400) Spillway crest elevation 1,190.00 ft.	29.257 billion gals. 82.5 % (elev. 1,186.7 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 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.
	May 9	0	110	201	85	55	851	9,698	11,000	0	6,327	0
10	0	110	201	85	689	319	7,996	9,400	0	6,327	0	1.09
11	0	110	203	85	726	319	6,947	8,390	0	6,327	0	1.09
12	0	110	203	85	765	443	5,994	7,600	0	6,327	0	1.09
13	0	110	201	85	694	301	5,089	6,480	0	6,327	0	1.09
14	0	110	201	85	178	372	4,594	5,540	0	6,327	0	1.09
15	0	110	201	85	0	479	4,035	4,910	0	6,327	.23	1.32

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 and Cannonsville 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 May 9 - 15, 2011, averaged 92.1 mgd. The average diversion for the 30-day period ending May 15, 2011 was 84.6 and the maximum daily diversion was 94 mgd on April 18, 22, and May 15, 2011.

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Summary river data for May 16 - 22, 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	
May 16	70	0	130	322	55	0	450	39	190	638
17	71	61	130	457	54	0	6	0	99	637
18	71	296	130	545	55	87	0	0	0	635
19	71	845	131	806	56	949	0	0	0	633
20	72	1,152	131	1,282	58	643	0	0	0	631
21	84	1,174	155	1,741	65	418	0	0	0	629
22	82	1,029	165	1,595	65	333	0	0	0	628

Pepacton Reservoir (P):	Available storage May 23, 2011 (0800) Spillway crest elevation 1,280.00 ft.	141.543 billion gals. 101.0 % (elev. 1,280.73 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage May 23, 2011 (0800) Spillway crest elevation 1,150.00 ft.	99.022 billion gals. 103.5 % (elev. 1,152.06 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage May 23, 2011 (0800) Spillway crest elevation 1,440.00 ft.	35.155 billion gals. 100.6 % (elev. 1,440.43 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage May 23, 2011 (0800) Combined capacity at spillway level.	275.720 billion gals. 101.8 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage May 22, 2011 (2400) Spillway crest elevation 1,190.00 ft.	28.514 billion gals. 80.4 % (elev. 1,186.3 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.
	May 16	0	110	201	85	0	514	5,050	5,960	0	6,327	0.33
17	0	110	201	85	409	638	6,497	7,940	0	6,327	.21	1.86
18	0	110	201	85	1,306	603	7,485	9,790	0	6,327	.44	2.30
19	0	108	201	84	1,340	514	17,353	19,600	0	6,327	1.21	3.51
20	0	110	201	85	1,364	851	25,889	28,500	0	6,327	.43	3.94
21	0	110	203	87	1,540	851	25,809	28,600	0	6,327	.24	4.18
22	0	110	203	90	1,622	390	20,185	22,600	0	6,327	.03	4.21

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 May 16 - 22, 2011, averaged 89.3 mgd. The average diversion for the 30-day period ending May 22, 2011 was 88.7 and the maximum daily diversion was 94 mgd on May 15 and 22, 2011.

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Summary river data for May 23 - 29, 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	
May 23	86	926	165	1,361	65	141	0	0	340	627
24	84	913	165	1,185	65	10	0	0	400	626
25	84	551	165	955	65	0	228	0	326	626
26	84	361	164	688	65	0	300	0	217	626
27	84	444	164	750	65	0	297	0	201	625
28	84	299	165	672	65	0	448	0	200	625
29	84	191	165	595	65	0	448	0	196	625

Pepacton Reservoir (P):	Available storage May 30, 2011 (0800) Spillway crest elevation 1,280.00 ft.	140.708 billion gals. 100.4 % (elev. 1,280.28 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage May 30, 2011 (0800) Spillway crest elevation 1,150.00 ft.	97.669 billion gals. 102.1 % (elev. 1,151.22 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage May 30, 2011 (0800) Spillway crest elevation 1,440.00 ft.	34.538 billion gals. 98.8 % (elev. 1,439.18 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage May 30, 2011 (0800) Combined capacity at spillway level.	272.915 billion gals. 100.8 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage May 29, 2011 (2400) Spillway crest elevation 1,190.00 ft.	30.185 billion gals. 85.1 % (elev. 1,187.2 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.
	May 23	0	111	240	101	1,554	408	15,086	17,500	0	6,327	.02
24	0	130	255	101	20	337	14,757	15,600	0	6,327	.37	4.60
25	0	127	255	101	0	851	13,266	14,600	0	6,327	0	4.60
26	0	133	255	101	325	461	10,525	11,800	0	6,327	0	4.60
27	0	130	255	101	495	n.a.	n.a.	10,900	0	6,327	.39	4.99
28	0	130	254	101	440	n.a.	n.a.	10,200	0	6,327	.05	5.04
29	0	130	254	101	0	n.a.	n.a.	8,620	0	6,327	.01	5.05

1. Release directed to maintain a flow at Montague of 1,750 cfs. Note: n.a. means data are currently unavailable.

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 May 23 - 29, 2011, averaged 95.7 mgd. The average diversion for the 30-day period ending May 29, 2011 was 91.4 and the maximum daily diversion was 102 mg on May 25, 2011.