

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for April 1 - 7, 2013 (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, 2012 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Apr. 1	96	224	47	309	302	0	614
2	71	188	38	297	302	0	614
3	52	146	34	298	302	0	613
4	52	129	33	298	302	0	613
5	52	129	32	309	302	0	613
6	52	129	32	302	302	0	613
7	52	129	32	301	302	0	613

Pepacton Reservoir (P):	Available storage Apr. 8, 2013 (0800) Spillway crest elevation 1,280.00 ft.	123.290 billion gals. 87.9 % (elev. 1,270.52 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Apr. 8, 2013 (0800) Spillway crest elevation 1,150.00 ft.	85.354 billion gals. 89.2 % (elev. 1,143.10 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Apr. 8, 2013 (0800) Spillway crest elevation 1,440.00 ft.	30.873 billion gals. 88.4 % (elev. 1,431.48 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Apr. 8, 2013 (0800) Combined capacity at spillway level.	239.517 billion gals. 88.4 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Apr. 7, 2013 (2400) Spillway crest elevation 1,190.00 ft.	21.124 billion gals. 59.6 % (elev. 1,182.8 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	Precipitation	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
							Daily	Cumul.		
Apr. 1	0	150	543	76	0	230	3,551	4,550	.24	.24
2	0	150	446	76	0	284	4,244	5,200	.04	.28
3	0	150	347	73	0	337	4,183	5,090	0	.28
4	0	149	291	59	0	337	3,684	4,520	0	.28
5	0	110	226	53	0	337	3,434	4,160	0	.28
6	0	80	200	51	0	301	3,258	3,890	0	.28
7	0	80	200	50	0	230	3,160	3,720	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.

Divisions by New Jersey through the D&R Canal April 1 - 7, 2013 averaged 78.4 mgd. The average diversion for the 30-day period ending April 7, 2013 was 75.6 mgd and the maximum diversion was 81 mg on March 31, 2013.

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Summary river data for April 8 - 14, 2013 (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, 2012 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Apr. 8	52	129	32	301	302	0	613
9	47	126	32	300	302	0	613
10	45	114	32	300	302	0	613
11	45	114	32	300	13	0	612
12	44	114	32	317	214	0	612
13	45	114	32	447	302	0	612
14	45	114	32	443	302	0	613

Pepacton Reservoir (P):	Available storage Apr. 15, 2013 (0800) Spillway crest elevation 1,280.00 ft.	127.128 billion gals. 90.7 % (elev. 1,272.73 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Apr. 15, 2013 (0800) Spillway crest elevation 1,150.00 ft.	89.773 billion gals. 93.8 % (elev. 1,146.10 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Apr. 15, 2013 (0800) Spillway crest elevation 1,440.00 ft.	33.158 billion gals. 94.9 % (elev. 1,436.34 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Apr. 15, 2013 (0800) Combined capacity at spillway level.	250.059 billion gals. 92.3 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Apr. 14, 2013 (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 ²	Total Discharge	Precipitation	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
							Daily	Cumul.		
Apr. 8	0	80	200	50	0	266	3,074	3,670	0	.28
9	0	80	200	50	0	337	2,963	3,630	.01	.29
10	0	80	200	50	0	408	3,022	3,760	.24	.53
11	0	80	195	50	0	426	4,129	4,880	.44	.97
12	0	73	176	50	0	408	6,083	6,790	.03	1.00
13	0	70	176	50	0	319	7,315	7,930	.46	1.46
14	0	70	176	50	0	230	6,824	7,350	0	1.46

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 April 8 - 14, 2013 averaged 75.3 mgd. The average diversion for the 30-day period ending April 14, 2013 was 76.4 mgd and the maximum diversion was 81 mg on March 31 and April 11, 2013.

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Summary river data for April 15 - 21, 2013 (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, 2012 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Apr. 15	52	119	32	0	299	0	612
16	52	129	32	0	302	105	611
17	52	128	32	0	303	155	611
18	52	128	32	492	303	51	612
19	52	129	32	389	303	136	612
20	52	129	32	309	302	204	613
21	52	129	32	52	303	202	613

Pepacton Reservoir (P):	Available storage Apr. 22, 2013 (0800) Spillway crest elevation 1,280.00 ft.	132.308 billion gals. 94.4 % (elev. 1,275.66 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Apr. 22, 2013 (0800) Spillway crest elevation 1,150.00 ft.	94.307 billion gals. 98.5 % (elev. 1,149.08 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Apr. 22, 2013 (0800) Spillway crest elevation 1,440.00 ft.	34.513 billion gals. 98.8 % (elev. 1,439.13 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Apr. 22, 2013 (0800) Combined capacity at spillway level.	261.128 billion gals. 96.4 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Apr. 21, 2013 (2400) Spillway crest elevation 1,190.00 ft.	25.767 billion gals. 72.7 % (elev. 1,184.8 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	Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	Apr. 15	0	68	176	50	0	230	5,586	6,110	0
16	0	70	176	50	0	230	4,864	5,390	0	1.46
17	0	70	184	50	31	266	4,559	5,160	.18	1.64
18	0	80	200	50	33	266	4,661	5,290	0	1.64
19	0	80	198	50	0	337	4,255	4,920	0	1.64
20	0	80	198	50	0	408	6,324	7,060	.94	2.58
21	0	80	200	50	0	142	8,718	9,190	0	2.58

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 April 15 - 21, 2013 averaged 82.1 mgd. The average diversion for the 30-day period ending April 21, 2013 was 78.3 mgd and the maximum diversion was 85 mg on April 17, 2013.

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Summary river data for April 22 - 28, 2013 (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, 2012 to date
	release begin 1200	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Apr. 22	63	167	0	36	2	303	197	612
23	65	258	0	36	0	195	203	612
24	65	171	2	36	0	124	281	611
25	65	228	18	36	0	299	303	611
26	65	261	28	36	0	427	233	611
27	65	261	8	36	0	484	204	611
28	65	259	0	36	0	484	204	612

Pepacton Reservoir (P):	Available storage Apr. 29, 2013 (0800) Spillway crest elevation 1,280.00 ft.	136.581 billion gals. 97.4 % (elev. 1,278.03 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Apr. 29, 2013 (0800) Spillway crest elevation 1,150.00 ft.	95.402 billion gals. 99.7 % (elev. 1,149.80 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Apr. 29, 2013 (0800) Spillway crest elevation 1,440.00 ft.	33.964 billion gals. 97.2 % (elev. 1,438.01 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Apr. 29, 2013 (0800) Combined capacity at spillway level.	265.947 billion gals. 98.2 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Apr. 28, 2013 (2400) Spillway crest elevation 1,190.00 ft.	27.227 billion gals. 76.8 % (elev. 1,185.6 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 ²	Total Discharge	Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	Apr. 22	0	80	200	50	0	266	6,744	7,340	0
23	0	80	200	50	0	266	5,704	6,300	0	2.58
24	0	80	258	56	0	372	5,274	6,040	0	2.58
25	0	97	399	56	23	372	4,563	5,510	.10	2.68
26	0	101	265	56	0	408	4,120	4,950	0	2.68
27	0	101	353	56	0	266	3,834	4,610	0	2.68
28	0	101	404	56	0	124	3,415	4,100	0	2.68

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

2. Includes conservation release of 100 cfs from Rio Reservoir and spill from Cannonsville Reservoir.

Diversions by New Jersey through the D&R Canal April 22 - 28, 2013 averaged 78.6 mgd. The average diversion for the 30-day period ending April 28, 2013 was 78.6 mgd and the maximum diversion was 85 mgd on April 17, 2013.