

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for July 29 - August 4, 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, 2013 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
July 29	90	358	70	512	222	0	480
30	68	321	71	377	55	0	479
31	84	323	71	320	258	102	482
Aug. 1	90	327	71	18	302	103	481
2	90	325	71	0	302	299	483
3	90	325	70	0	302	299	485
4	90	322	70	0	302	299	487

Pepacton Reservoir (P):	Available storage Aug. 5, 2013 (0800) Spillway crest elevation 1,280.00 ft.	127.688 billion gals. 91.1 % (elev. 1,273.05 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Aug. 5, 2013 (0800) Spillway crest elevation 1,150.00 ft.	84.487 billion gals. 88.3 % (elev. 1,142.50 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Aug. 5, 2013 (0800) Spillway crest elevation 1,440.00 ft.	31.322 billion gals. 89.6 % (elev. 1,432.45 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Aug. 5, 2013 (0800) Combined capacity at spillway level.	243.497 billion gals. 89.9 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Aug. 4, 2013 (2400) Spillway crest elevation 1,190.00 ft.	21.048 billion gals. 59.4 % (elev. 1,182.2 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	Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	July 29	0	150	600	138	88	18	1,806	2,800	.60
30	0	150	602	136	101	0	2,101	3,090	0	4.58
31	0	150	554	108	101	0	1,747	2,660	0	4.58
Aug. 1	0	139	497	110	315	142	1,427	2,630	0	0
2	0	105	500	110	165	230	1,490	2,600	.48	.48
3	0	130	506	110	385	106	1,623	2,860	.05	.53
4	0	139	503	110	256	0	1,592	2,600	.01	.54

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

2. Includes conservation release of 60 cfs from Rio Reservoir.

Diversions by New Jersey through the D&R Canal July 29 - August 4, 2013 averaged 73.0 mgd. The average diversion for the 30-day period ending August 4, 2013 was 73.3 mgd and the maximum daily mean diversion was 82 mgd on July 6 and July 22, 2013.

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for August 5 - 11, 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, 2013 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Aug. 5	90	323	70	87	302	299	490
6	90	322	71	0	302	298	491
7	90	323	72	0	301	298	493
8	90	324	71	0	301	298	495
9	90	324	71	0	300	303	496
10	90	324	71	0	301	304	498
11	90	324	71	419	301	51	501

Pepacton Reservoir (P):	Available storage Aug. 12, 2013 (0800) Spillway crest elevation 1,280.00 ft.	128.286 billion gals. 91.5 % (elev. 1,273.39 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Aug. 12, 2013 (0800) Spillway crest elevation 1,150.00 ft.	81.885 billion gals. 85.6 % (elev. 1,140.70 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Aug. 12, 2013 (0800) Spillway crest elevation 1,440.00 ft.	30.520 billion gals. 87.3 % (elev. 1,430.71 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Aug. 12, 2013 (0800) Combined capacity at spillway level.	240.691 billion gals. 88.9 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Aug. 11, 2013 (2400) Spillway crest elevation 1,190.00 ft.	20.690 billion gals. 58.4 % (elev. 1,182.0 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	Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	Aug. 5	0	139	504	108	273	106	1,400	2,530	.03
6	0	139	498	108	280	106	1,199	2,330	0	.57
7	0	139	500	108	217	0	1,166	2,130	.02	.59
8	0	139	498	110	197	0	1,126	2,070	.05	.64
9	0	139	500	111	223	0	3,427	4,400	1.93	2.57
10	0	139	501	110	287	124	12,239	13,400	1.14	3.71
11	0	139	501	110	115	248	7,357	8,470	.01	3.72

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

2. Includes conservation release of 60 cfs from Rio Reservoir, August 5 - 8, 2013, and 80 cfs, August 9 - 11, 2013.

Diversions by New Jersey through the D&R Canal August 5 - 11, 2013 averaged 77.0 mgd. The average diversion for the 30-day period ending August 11, 2013 was 73.0 mgd and the maximum daily mean diversion was 82 mgd on July 22, 2013.

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for August 12 - 18, 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, 2013 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Aug. 12	90	324	71	605	301	252	510
13	90	322	71	602	301	298	520
14	90	324	71	600	301	298	529
15	90	324	73	599	301	298	538
16	97	357	90	597	301	295	546
17	97	390	90	591	203	0	549
18	97	389	90	591	203	0	552

Pepacton Reservoir (P):	Available storage Aug. 19, 2013 (0800) Spillway crest elevation 1,280.00 ft.	125.001 billion gals. 89.2 % (elev. 1,271.51 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Aug. 19, 2013 (0800) Spillway crest elevation 1,150.00 ft.	81.148 billion gals. 84.8 % (elev. 1,140.19 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Aug. 19, 2013 (0800) Spillway crest elevation 1,440.00 ft.	29.079 billion gals. 83.2 % (elev. 1,427.52 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Aug. 19, 2013 (0800) Combined capacity at spillway level.	235.228 billion gals. 86.9 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Aug. 18, 2013 (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	Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	Aug. 12	0	139	501	110	164	124	4,332	5,370	0
13	0	139	501	110	94	213	3,393	4,450	.16	3.88
14	0	139	501	110	18	106	3,286	4,160	.43	4.31
15	0	139	498	110	63	0	3,190	4,000	0	4.31
16	0	139	501	110	85	0	2,585	3,420	0	4.31
17	0	139	501	113	83	0	2,234	3,070	0	4.31
18	0	139	552	139	103	0	2,027	2,960	0	4.31

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 August 12 - 18, 2013 averaged 70.7 mgd. The average diversion for the 30-day period ending August 18, 2013 was 73.5 mgd and the maximum daily mean diversion was 82 mgd on July 22, 2013.

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for August 19 - 25, 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, 2013 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Aug. 19	97	388	90	591	203	0	555
20	97	389	90	591	0	101	557
21	97	389	90	591	194	101	561
22	97	389	87	590	203	102	565
23	90	353	71	590	202	0	568
24	90	317	71	590	0	0	568
25	90	321	71	590	198	0	571

Pepacton Reservoir (P):	Available storage Aug. 26, 2013 (0800) Spillway crest elevation 1,280.00 ft.	120.992 billion gals. 86.3 % (elev. 1,269.18 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Aug. 26, 2013 (0800) Spillway crest elevation 1,150.00 ft.	78.816 billion gals. 82.4 % (elev. 1,138.51 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Aug. 26, 2013 (0800) Spillway crest elevation 1,440.00 ft.	28.482 billion gals. 81.5 % (elev. 1,426.17 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Aug. 26, 2013 (0800) Combined capacity at spillway level.	228.290 billion gals. 84.3 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Aug. 25, 2013 (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 ²	Total Discharge	Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	Aug. 19	0	150	603	139	123	89	1,876	2,980	0
20	0	150	602	139	87	160	1,662	2,800	0	4.31
21	0	150	600	139	107	71	1,653	2,720	0	4.31
22	211	150	602	139	198	124	1,677	2,890	.04	4.35
23	0	150	602	139	279	53	1,507	2,730	.09	4.44
24	0	150	602	135	365	0	1,448	2,700	0	4.44
25	125	150	546	110	253	177	1,394	2,630	0	4.44

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 August 19 - 25, 2013 averaged 74.6 mgd. The average diversion for the 30-day period ending August 25, 2013 was 73.9 mgd and the maximum daily mean diversion was 79 mgd on August 8, 2013.

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for August 26 - September 1, 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, 2013 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Aug. 26	90	322	71	440	202	0	572
27	90	323	71	428	34	100	571
28	90	322	71	338	198	0	571
29	90	322	71	302	3	101	569
30	90	321	71	303	0	102	567
31	91	322	69	280	0	0	564
Sept. 1	146	313	65	300	169	0	563

Pepacton Reservoir (P):	Available storage Sept. 2, 2013 (0800) Spillway crest elevation 1,280.00 ft.	119.851 billion gals. 85.5 % (elev. 1,268.51 ft.) 140.286 billion gallons.
Cannonsville Reservoir (C):	Available storage Sept. 2, 2013 (0800) Spillway crest elevation 1,150.00 ft.	79.286 billion gals. 82.8 % (elev. 1,138.85 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Sept. 2, 2013 (0800) Spillway crest elevation 1,440.00 ft.	28.311 billion gals. 81.0 % (elev. 1,425.78 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Sept. 2, 2013 (0800) Combined capacity at spillway level.	227.448 billion gals. 84.0 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Sept. 1, 2013 (2400) Spillway crest elevation 1,190.00 ft.	18.370 billion gals. 51.8 % (elev. 1,180.7 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 (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	Aug. 26	67	139	490	110	343	0	1,368	2,450	0
27	148	139	497	110	338	124	1,532	2,740	.91	5.35
28	254	139	498	110	415	71	2,447	3,680	0	5.35
29	0	139	500	110	271	0	2,770	3,790	.17	5.52
30	0	139	498	110	270	53	3,030	4,100	.07	5.59
31	0	139	498	110	291	106	2,826	3,970	.04	5.63
Sept. 1	0	139	497	110	341	53	2,350	3,490	0	.14

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 August 26 - September 1, 2013 averaged 77.9 mgd. The average diversion for the 30-day period ending September 1, 2013 was 75.1 mgd and the maximum daily mean diversion was 79 mgd on August 8, 28, and 29, 2013.