

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for October 28 - November 3, 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	
Oct. 28	65	411	36	296	330	0	603
29	65	481	36	296	330	0	603
30	65	396	36	299	330	0	604
31	65	299	36	387	329	0	604
Nov. 1	65	245	36	450	265	0	605
2	68	416	38	470	283	0	606
3	65	437	36	413	249	0	606

Pepacton Reservoir (P):	Available storage Nov. 4 2013 (0800) Spillway crest elevation 1,280.00 ft.	105.415 billion gals. 75.2 % (elev. 1,259.73 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Nov. 4, 2013 (0800) Spillway crest elevation 1,150.00 ft.	62.505 billion gals. 65.3 % (elev. 1,126.20 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Nov. 4, 2013 (0800) Spillway crest elevation 1,440.00 ft.	26.988 billion gals. 77.2 % (elev. 1,422.72 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Nov. 4, 2013 (0800) Combined capacity at spillway level.	194.908 billion gals. 72.0 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Nov. 3, 2013 (2400) Spillway crest elevation 1,190.00 ft.	15.554 billion gals. 43.9 % (elev. 1,179.1 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.		
Oct. 28	925	150	705	70	40	35	770	1,770	0	1.83
29	855	150	651	56	0	195	888	1,940	0	1.83
30	833	141	636	56	0	301	776	1,910	0	1.83
31	900	101	744	56	0	0	779	1,680	0	1.83
Nov. 1	767	101	613	56	37	0	883	1,690	.64	.64
2	620	101	463	56	11	0	1,359	1,990	.12	.76
3	535	101	379	56	0	0	1,934	2,470	.02	.78

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

2. Includes conservation release of 80 cfs from Rio Reservoir.

Diversion by New Jersey through the D&R Canal October 28- November 3, 2013 averaged 74.6 mgd. The average diversion for the 30-day period ending November 3, 2013 was 78.5 mgd and the maximum daily mean diversion was 89 mgd on October 21, 2013.

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for November 4 - November 10, 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	
Nov. 4	65	165	36	300	298	0	606
5	65	97	36	299	329	0	606
6	65	98	36	296	329	0	607
7	65	97	36	499	181	0	607
8	65	218	36	459	230	0	607
9	65	318	36	442	272	0	608
10	65	295	36	423	260	0	609

Pepacton Reservoir (P):	Available storage Nov. 11 2013 (0800) Spillway crest elevation 1,280.00 ft.	104.431 billion gals. 74.5 % (elev. 1,259.11 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Nov. 11, 2013 (0800) Spillway crest elevation 1,150.00 ft.	61.995 billion gals. 64.8 % (elev. 1,125.80 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Nov. 11, 2013 (0800) Spillway crest elevation 1,440.00 ft.	27.300 billion gals. 78.1 % (elev. 1,423.45 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Nov. 11, 2013 (0800) Combined capacity at spillway level.	193.726 billion gals. 71.5 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Nov. 10, 2013 (2400) Spillway crest elevation 1,190.00 ft.	15.730 billion gals. 44.4 % (elev. 1,179.2 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.
	Nov. 4	800	101	644	59	0	53	1,633	2,490	0
5	835	105	676	56	0	89	1,304	2,230	0	0.78
6	400	101	255	56	0	0	1,318	1,730	0	0.78
7	249	101	150	56	0	0	1,243	1,550	.20	0.98
8	248	101	152	56	0	124	1,297	1,730	.17	1.15
9	265	101	150	56	0	106	1,787	2,200	.01	1.16
10	497	101	337	56	0	0	1,736	2,230	0	1.16

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

2. Includes conservation release of 80 cfs from Rio Reservoir.

Diversions by New Jersey through the D&R Canal November 4-10, 2013 averaged 80.8 mgd. The average diversion for the 30-day period ending November 10, 2013 was 78.3 mgd and the maximum daily mean diversion was 89 mg on October 21, 2013.

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for November 11 - November 17, 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	
Nov. 11	65	97	36	509	172	0	609
12	65	98	36	508	176	0	610
13	65	98	36	502	176	0	610
14	65	166	36	507	176	0	610
15	65	222	36	461	235	0	611
16	65	126	36	443	271	0	611
17	65	98	36	430	262	0	612

Pepacton Reservoir (P):	Available storage Nov. 18 2013 (0800) Spillway crest elevation 1,280.00 ft.	102.601 billion gals. 73.2 % (elev. 1,257.95 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Nov. 18, 2013 (0800) Spillway crest elevation 1,150.00 ft.	62.161 billion gals. 64.9 % (elev. 1,125.93 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Nov. 18 2013 (0800) Spillway crest elevation 1,440.00 ft.	27.507 billion gals. 78.7 % (elev. 1,423.93 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Nov. 18, 2013 (0800) Combined capacity at spillway level.	192.269 billion gals. 71.0 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Nov. 17, 2013 (2400) Spillway crest elevation 1,190.00 ft.	16.082 billion gals. 45.4 % (elev. 1,179.4 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	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
							Daily	Cumul.		
Nov. 11	650	101	492	56	0	53	1,548	2,250	.04	1.20
12	614	101	456	56	0	53	1,384	2,050	.03	1.23
13	202	101	150	56	0	142	1,371	1,820	0	1.23
14	231	101	152	56	0	142	1,299	1,750	0	1.23
15	275	101	152	56	0	230	1,131	1,670	0	1.23
16	411	101	257	56	0	89	1,167	1,670	.01	1.24
17	500	101	343	56	0	0	1,160	1,660	.01	1.25

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

2. Includes conservation release of 80 cfs from Rio Reservoir.

Diversion by New Jersey through the D&R Canal November 11-17, 2013 averaged 77.5 mgd. The average diversion for the 30-day period ending November 17, 2013 was 77.9 mgd and the maximum daily mean diversion was 89 mg on October 21, 2013.

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for November 18 - 24, 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	
Nov. 18	65	98	36	507	277	0	613
19	65	98	36	508	282	0	614
20	65	98	36	507	281	0	615
21	65	98	36	507	282	0	616
22	65	97	36	462	272	203	618
23	65	151	36	451	273	198	620
24	65	279	36	437	250	0	620

Pepacton Reservoir (P):	Available storage Nov. 25, 2013 (0800) Spillway crest elevation 1,280.00 ft.	101.070 billion gals. 72.1 % (elev. 1,256.97 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Nov. 25, 2013 (0800) Spillway crest elevation 1,150.00 ft.	61.830 billion gals. 64.6 % (elev. 1,125.67 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Nov. 25, 2013 (0800) Spillway crest elevation 1,440.00 ft.	27.567 billion gals. 78.9 % (elev. 1,424.07 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Nov. 25, 2013 (0800) Combined capacity at spillway level.	190.467 billion gals. 70.3 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Nov. 24, 2013 (2400) Spillway crest elevation 1,190.00 ft.	16.082 billion gals. 45.4 % (elev. 1,179.4 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	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
							Daily	Cumul.		
Nov. 18	350	101	195	56	0	0	1,278	1,630	.34	1.59
19	0	101	152	56	0	372	1,369	2,050	0	1.59
20	0	101	152	56	0	408	1,833	2,550	0	1.59
21	0	101	152	56	0	71	1,600	1,980	0	1.59
22	0	101	152	56	0	195	1,446	1,950	.13	1.72
23	0	101	152	56	0	230	1,431	1,970	.02	1.74
24	200	101	150	56	0	177	1,663	2,150	.01	1.75

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

2. Includes conservation release of 80 cfs from Rio Reservoir.

Divisions by New Jersey through the D&R Canal November 18-24, 2013 averaged 72.0 mgd. The average diversion for the 30-day period ending November 24, 2013 was 76.0 mgd and the maximum daily mean diversion was 86 mg on November 7-8, 2013.