

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA

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

Summary river data for December 1st – December 7th, 2018 (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
	Spill Begin 1200	Release begin 1200	Spill begin 2400	Release end 2400	Spill begin 1500	Release begin 1500	Beginning 0800	Beginning 0800	Beginning 0800	1-June-16 to date
Dec 1	195	452	0	973	144	123	199	0	0	405
2	258	452	0	972	293	123	199	0	0	404
3	419	452	0	973	291	123	199	0	80	403
4	497	453	0	971	255	123	199	0	0	402
5	374	452	0	968	181	123	346	0	0	402
6	205	452	0	968	149	123	398	0	0	402
7	94	452	0	968	122	123	398	0	0	402

Pepacton Reservoir (P):	Available storage December 8, 2018 (0800) Spillway crest elevation 1,280.00 ft.	139.500 billion gallons 139.320 billion gallons	100.1%	1,280.10 (elev.ft.)
Cannonsville Reservoir (C):	Available storage December 8, 2018 (0800) Spillway crest elevation 1,150.00 ft.	91.908 billion gallons 93.448 billion gallons	98.4%	1,148.99 (elev.ft.)
Neversink Reservoir (N):	Available storage December 8, 2018 (0800) Spillway crest elevation 1,440.00 ft.	34.796 billion gallons 34.692 billion gallons	100.3%	1,440.21 (elev.ft.)
Combined contents, PCN:	Available storage December 8, 2018 (0800) Combined capacity at spillway level	266.204 billion gallons 267.460 billion gallons	99.5%	
Lake Wallenpaupack:	Available storage December 7, 2018 (0800) Spillway crest elevation 1,190.00 ft.	23.942 billion gallons 35.451 billion gallons	67.5%	1,183.81 (elev.ft.)

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 NYC Reservoirs				Power releases		Computed	Total	Precipitation	
	Directed release ¹	Pepacton	Cannonsville	Neversink	Wallen- paupack	Rio Reservoir	Uncon- trolled ²	Discharge	(inches)	
									Daily	Cumulative
Dec 1	0	699	1,504	190	1,587	887	11,133	16,000	0.00	0.00
2	0	699	1,504	190	1,588	852	11,267	16,100	0.17	0.17
3	0	699	1,505	190	1,585	887	13,034	17,900	0.02	0.19
4	0	699	1,504	190	1,060	804	13,043	17,300	0.00	0.19
5	0	699	1,505	190	1,165	585	11,256	15,400	0.00	0.19
6	0	699	1,502	190	490	704	9,115	12,700	0.00	0.19
7	0	701	1,497	190	3	713	8,096	11,200	0.03	0.22

1. Release directed to maintain a flow at Montague of 1,750 cfs and Trenton of 3,000 cfs.

2. Includes conservation release of 120 cfs from Rio Reservoir.

Diversions by New Jersey through the D&R Canal December 1st – December 7th, 2018 averaged 90.2 MGD.

The average diversion for the 30-day period ending December 7th 2018 is 80.7 MGD, the maximum is 96 MGD.

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA

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

Summary river data for December 8th – December 14th, 2018 (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
	Spill Begin 1200	Release begin 1200	Spill begin 2400	Release end 2400	Spill begin 1500	Release begin 1500	Beginning 0800	Beginning 0800	Beginning 0800	1-June-16 to date
Dec 8	29	452	0	968	99	123	399	0	0	402
9	0	452	0	968	85	124	398	0	0	402
10	0	452	0	967	77	123	398	0	0	402
11	0	452	0	965	57	123	397	0	0	402
12	0	452	0	964	41	123	398	0	0	402
13	0	452	0	964	34	123	482	0	0	402
14	0	452	0	966	28	123	497	9	0	403

Pepacton Reservoir (P):	Available storage December 15, 2018 (0800) Spillway crest elevation 1,280.00 ft.	136.790 billion gallons 139.320 billion gallons	98.2%	1,278.62 (elev.ft.)
Cannonsville Reservoir (C):	Available storage December 15, 2018 (0800) Spillway crest elevation 1,150.00 ft.	89.436 billion gallons 93.448 billion gallons	95.7%	1,147.34 (elev.ft.)
Neversink Reservoir (N):	Available storage December 15, 2018 (0800) Spillway crest elevation 1,440.00 ft.	34.726 billion gallons 34.692 billion gallons	100.1%	1,440.07 (elev.ft.)
Combined contents, PCN:	Available storage December 15, 2018 (0800) Combined capacity at spillway level	260.952 billion gallons 267.460 billion gallons	97.6%	
Lake Wallenpaupack:	Available storage December 14, 2018 (0800) Spillway crest elevation 1,190.00 ft.	23.942 billion gallons 35.451 billion gallons	67.5%	1,183.88 (elev.ft.)

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 NYC Reservoirs				Power releases		Computed	Total	Precipitation	
	Directed release ¹	Pepacton	Cannonsville	Neversink	Wallen- paupack	Rio Reservoir	Uncon- trolled ²	Discharge	(inches)	
									Daily	Cumulative
Dec 8	0	699	1,497	190	4	388	7,072	9,850	0.00	0.22
9	0	699	1,497	190	4	260	5,890	8,540	0.00	0.22
10	0	699	1,497	192	4	495	5,553	8,440	0.00	0.22
11	0	699	1,497	190	601	426	4,957	8,370	0.00	0.22
12	0	699	1,496	190	703	588	4,344	8,020	0.00	0.22
13	0	699	1,493	190	698	618	4,042	7,740	0.00	0.22
14	0	699	1,491	190	679	567	3,784	7,410	0.02	0.24

1. Release directed to maintain a flow at Montague of 1,750 cfs and Trenton of 3,000 cfs.

2. Includes conservation release of 120 cfs from Rio Reservoir.

Diversions by New Jersey through the D&R Canal December 8th – December 14th, 2018 averaged 95.8 MGD.

The average diversion for the 30-day period ending December 14th 2018 is 83.3 MGD, the maximum is 98 MGD.

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 Summary river data for December 15th – December 21st, 2018 (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
	Spill Begin 1200	Release begin 1200	Spill begin 2400	Release end 2400	Spill begin 1500	Release begin 1500	Beginning 0800	Beginning 0800	Beginning 0800	1-June-16 to date
Dec 15	0	452	0	967	28	123	497	0	0	403
16	0	452	0	967	83	123	497	0	0	404
17	0	452	0	967	79	123	497	0	0	404
18	0	452	0	967	15	123	497	0	0	405
19	0	452	0	965	0	123	494	0	0	405
20	0	452	0	964	47	98	0	0	0	403
21	0	452	0	965	1,850	55	0	0	0	401

Pepacton Reservoir (P):	Available storage December 22, 2018 (0800) Spillway crest elevation 1,280.00 ft.	136.547 billion gallons 139.320 billion gallons	98.0%	1,278.49 (elev.ft.)
Cannonsville Reservoir (C):	Available storage December 22, 2018 (0800) Spillway crest elevation 1,150.00 ft.	88.050 billion gallons 93.448 billion gallons	94.2%	1,146.37 (elev.ft.)
Neversink Reservoir (N):	Available storage December 22, 2018 (0800) Spillway crest elevation 1,440.00 ft.	34.726 billion gallons 34.692 billion gallons	102.0%	1,441.39 (elev.ft.)
Combined contents, PCN:	Available storage December 22, 2018 (0800) Combined capacity at spillway level	259.999 billion gallons 267.460 billion gallons	97.2%	
Lake Wallenpaupack:	Available storage December 21, 2018 (0800) Spillway crest elevation 1,190.00 ft.	25.220 billion gallons 35.451 billion gallons	71.1%	1,184.56 (elev.ft.)

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 NYC Reservoirs				Power releases		Computed	Total	Precipitation	
	Directed release ¹	Pepacton	Cannonsville	Neversink	Wallen- paupack	Rio Reservoir	Uncon- trolled ²	Discharge	(inches)	
									Daily	Cumulative
Dec 15	0	699	1,491	190	678	248	3,454	6,760	0.01	0.25
16	0	699	1,494	190	4	267	4,866	7,520	0.13	0.38
17	0	699	1,496	190	4	264	10,447	13,100	0.12	0.50
18	0	699	1,496	190	356	683	8,876	12,300	0.01	0.51
19	0	699	1,496	190	871	565	6,579	10,400	0.00	0.51
20	0	699	1,496	190	1,429	582	5,604	10,000	0.00	0.51
21	0	699	1,493	152	1,626	624	10,106	14,700	0.60	1.11

1. Release directed to maintain a flow at Montague of 1,750 cfs and Trenton of 3,000 cfs.

2. Includes conservation release of 120 cfs from Rio Reservoir.

Diversions by New Jersey through the D&R Canal December 15th – December 21st, 2018 averaged 85.5 MGD.

The average diversion for the 30-day period ending December 21st 2018 is 83.7 MGD, the maximum is 98 MGD.

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA
 Web address: <http://water.usgs.gov/osw/odrm>
 Summary river data for December 22nd – December 28th, 2018 (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
	Spill Begin 1200	Release begin 1200	Spill begin 2400	Release end 2400	Spill begin 1500	Release begin 1500	Beginning 0800	Beginning 0800	Beginning 0800	1-June-16 to date
Dec 22	0	452	0	968	1,197	56	0	0	0	399
23	0	452	0	969	463	123	0	0	0	397
24	16	452	0	970	294	123	0	0	0	395
25	158	452	0	970	179	123	0	0	0	393
26	252	452	0	970	143	122	0	0	0	391
27	276	452	0	970	125	123	0	0	0	390
28	330	452	0	970	223	123	0	0	0	388

Pepacton Reservoir (P):	Available storage December 29, 2018 (0800) Spillway crest elevation 1,280.00 ft.	140.030 billion gallons 139.320 billion gallons	100.5%	1,280.39 (elev.ft.)
Cannonsville Reservoir (C):	Available storage December 29, 2018 (0800) Spillway crest elevation 1,150.00 ft.	89.407 billion gallons 93.448 billion gallons	95.7%	1,147.32 (elev.ft.)
Neversink Reservoir (N):	Available storage December 29, 2018 (0800) Spillway crest elevation 1,440.00 ft.	34.901 billion gallons 34.692 billion gallons	100.6%	1,440.42 (elev.ft.)
Combined contents, PCN:	Available storage December 29, 2018 (0800) Combined capacity at spillway level	264.338 billion gallons 267.460 billion gallons	98.8%	
Lake Wallenpaupack:	Available storage December 28, 2018 (0800) Spillway crest elevation 1,190.00 ft.	24.125 billion gallons 35.451 billion gallons	68.1%	1,183.96 (elev.ft.)

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 NYC Reservoirs				Power releases		Computed	Total	Precipitation	
	Directed release ¹	Pepacton	Cannonsville	Neversink	Wallen- paupack	Rio Reservoir	Uncon- trolled ²	Discharge	(inches)	
									Daily	Cumulative
Dec 22	0	699	1,491	85	1,622	782	27,921	32,600	0.26	1.37
23	0	699	1,493	87	1,622	884	20,315	25,100	0.00	1.37
24	0	699	1,497	190	1,624	884	13,906	18,800	0.04	1.41
25	0	699	1,499	190	1,623	1,250	10,639	15,900	0.01	1.42
26	0	699	1,501	190	1,620	1,240	8,750	14,000	0.00	1.42
27	0	699	1,501	189	1,621	1,220	7,270	12,500	0.00	1.42
28	0	699	1,501	190	1,117	783	7,610	11,900	0.16	1.58

1. Release directed to maintain a flow at Montague of 1,750 cfs and Trenton of 3,000 cfs.

2. Includes conservation release of 120 cfs from Rio Reservoir.

Diversions by New Jersey through the D&R Canal December 22nd – December 28th, 2018 averaged 86.2 MGD.

The average diversion for the 30-day period ending December 28th 2018 is 89.7 MGD, the maximum is 98 MGD.