

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA
 Web address: <http://water.usgs.gov/osw/odrm>
 Summary river data for November 30th – December 6th, 2019 (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
Nov 30	0	65	0	108	0	71	200	201	202	595
Dec 1	0	64	0	113	0	71	200	201	202	595
2	0	65	0	113	0	71	146	147	50	594
3	0	65	0	113	0	71	134	0	0	591
4	0	65	0	113	0	71	201	203	0	590
5	0	65	0	114	0	71	201	218	0	589
6	0	65	0	113	0	71	201	220	147	589

Pepacton Reservoir (P):	Available storage December 7, 2019 (0800) Spillway crest elevation 1,280.00 ft.	111.010 billion gallons 139.320 billion gallons	79.7%	1,263.76 (elev.ft.)
Cannonsville Reservoir (C):	Available storage December 7, 2019 (0800) Spillway crest elevation 1,150.00 ft.	67.547 billion gallons 93.448 billion gallons	72.3%	1,131.59 (elev.ft.)
Neversink Reservoir (N):	Available storage December 7, 2019 (0800) Spillway crest elevation 1,440.00 ft.	31.601 billion gallons 34.692 billion gallons	91.1%	1,433.62 (elev.ft.)
Combined contents, PCN:	Available storage December 7, 2019 (0800) Combined capacity at spillway level	210.158 billion gallons 267.460 billion gallons	78.6%	
Lake Wallenpaupack:	Available storage December 6, 2019 (0800) Spillway crest elevation 1,190.00 ft.	21.228 billion gallons 35.451 billion gallons	59.9%	1,182.39 (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
Nov 30	0	80	152	60	198	483	3,937	4,910	0.00	3.95
Dec 1	0	80	152	74	4	390	3,680	4,380	0.00	0.00
2	0	85	167	110	4	758	3,886	5,010	0.68	0.68
3	0	101	175	110	259	622	3,473	4,740	0.52	1.20
4	0	99	175	110	259	612	3,405	4,660	0.00	1.20
5	0	101	175	110	4	658	3,132	4,180	0.02	1.22
6	0	101	175	110	10	658	2,966	4,020	0.01	1.23

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

2. Includes conservation release of 100 cfs from Rio Reservoir.

Diversions by New Jersey through the D&R Canal November 30th – December 6th, 2019 averaged 93.5 MGD.

The average diversion for the 30-day period ending December 6th 2019 is 93.6 MGD, the maximum is 96 MGD.

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Summary river data for December 7th – December 13th, 2019 (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 7	0	65	0	113	0	71	201	221	149	589
8	0	65	0	113	0	71	201	221	149	589
9	0	65	0	113	0	71	201	221	0	588
10	0	65	0	114	0	71	201	0	149	587
11	0	66	0	114	0	71	279	0	151	586
12	0	65	0	114	0	71	299	0	147	585
13	0	65	0	114	0	71	299	0	185	585

Pepacton Reservoir (P):	Available storage December 14, 2019 (0800) Spillway crest elevation 1,280.00 ft.	118.030 billion gallons 139.320 billion gallons	84.7%	1,267.96 (elev.ft.)
Cannonsville Reservoir (C):	Available storage December 14, 2019 (0800) Spillway crest elevation 1,150.00 ft.	75.712 billion gallons 93.448 billion gallons	81.0%	1,137.71 (elev.ft.)
Neversink Reservoir (N):	Available storage December 14, 2019 (0800) Spillway crest elevation 1,440.00 ft.	32.582 billion gallons 34.692 billion gallons	93.9%	1,435.68 (elev.ft.)
Combined contents, PCN:	Available storage December 14, 2019 (0800) Combined capacity at spillway level	226.324 billion gallons 267.460 billion gallons	84.6%	

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 7	0	101	175	110	4	686	2,764	3,840	0.00	1.17
8	0	101	175	110	4	688	2,492	3,570	0.00	1.17
9	0	101	175	110	4	690	2,000	3,080	0.40	1.57
10	0	101	176	110	217	351	4,235	5,190	0.34	1.91
11	0	102	176	110	446	399	10,767	12,000	0.00	1.91
12	0	101	176	110	534	341	10,238	11,500	0.00	1.91
13	0	101	176	110	675	492	7,106	8,660	0.35	2.26

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

2. Includes conservation release of 100 cfs from Rio Reservoir.

Diversions by New Jersey through the D&R Canal December 7th – December 13th, 2019 averaged 85.3 MGD.

The average diversion for the 30-day period ending December 13th 2019 is 91.7 MGD, the maximum is 96 MGD.

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Summary river data for December 14th – December 20th, 2019 (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 14	0	65	0	114	0	71	299	0	153	584
15	0	175	0	114	0	71	299	0	147	583
16	0	195	0	159	0	71	299	0	146	583
17	0	195	0	330	0	71	299	0	185	582
18	0	195	0	389	0	71	299	0	182	582
19	0	194	0	389	0	71	44	0	182	580
20	0	194	0	389	0	71	274	0	262	580

Pepacton Reservoir (P):	Available storage December 21, 2019 (0800) Spillway crest elevation 1,280.00 ft.	125.328 billion gallons 139.320 billion gallons	87.5%	1,270.20 (elev.ft.)
Cannonsville Reservoir (C):	Available storage December 21, 2019 (0800) Spillway crest elevation 1,150.00 ft.	82.611 billion gallons 93.448 billion gallons	87.4%	1,142.00 (elev.ft.)
Neversink Reservoir (N):	Available storage December 21, 2019 (0800) Spillway crest elevation 1,440.00 ft.	34.015 billion gallons 34.692 billion gallons	96.7%	1,437.67 (elev.ft.)
Combined contents, PCN:	Available storage December 21, 2019 (0800) Combined capacity at spillway level	237.084 billion gallons 267.460 billion gallons	88.6%	

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 14	0	101	177	110	691	217	7,354	8,650	0.14	2.40
15	0	100	176	110	824	229	11,961	13,400	0.03	2.43
16	0	100	177	110	851	476	10,886	12,600	0.22	2.65
17	0	100	177	110	813	746	8,354	10,300	0.18	2.83
18	0	270	246	110	806	910	7,168	9,510	0.03	2.86
19	0	302	510	110	878	1,048	5,632	8,480	0.00	2.86
20	0	301	601	110	839	1,035	4,914	7,800	0.00	2.86

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

2. Includes conservation release of 100 cfs from Rio Reservoir.

Diversions by New Jersey through the D&R Canal December 14th – December 20th, 2019 averaged 78.6 MGD.

The average diversion for the 30-day period ending December 20th 2019 is 87.9 MGD, the maximum is 96 MGD.

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Summary river data for December 21st – December 27th, 2019 (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 21	0	194	0	389	0	71	300	0	148	579
22	0	194	0	389	0	71	300	0	149	578
23	0	195	0	389	0	71	300	90	221	579
24	0	194	0	389	0	71	300	230	222	579
25	0	195	0	388	0	71	300	230	221	580
26	0	194	0	389	0	71	300	230	222	581
27	0	194	0	389	0	71	299	230	221	582

Pepacton Reservoir (P):	Available storage December 28, 2019 (0800) Spillway crest elevation 1,280.00 ft.	125.208 billion gallons 139.320 billion gallons	87.4%	1,270.13 (elev.ft.)
Cannonsville Reservoir (C):	Available storage December 28, 2019 (0800) Spillway crest elevation 1,150.00 ft.	82.484 billion gallons 93.448 billion gallons	87.3%	1,141.91 (elev.ft.)
Neversink Reservoir (N):	Available storage December 28, 2019 (0800) Spillway crest elevation 1,440.00 ft.	33.158 billion gallons 34.692 billion gallons	94.2%	1,435.90 (elev.ft.)
Combined contents, PCN:	Available storage December 28, 2019 (0800) Combined capacity at spillway level	235.980 billion gallons 267.460 billion gallons	88.2%	

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 21	0	301	601	110	763	513	3,982	6,270	0.00	2.86
22	0	301	602	110	0	252	3,995	5,260	0.00	2.86
23	0	301	602	110	-1	216	3,642	4,870	0.00	2.86
24	0	301	602	110	2	135	3,800	4,950	0.00	2.86
25	0	301	602	110	-1	135	3,553	4,700	0.00	2.86
26	0	301	602	110	2	135	3,160	4,310	0.00	2.86
27	0	301	601	110	2	134	2,942	4,090	0.00	2.86

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

2. Includes conservation release of 100 cfs from Rio Reservoir.

Diversions by New Jersey through the D&R Canal December 21st – December 27th, 2019 averaged 91.9 MGD.

The average diversion for the 30-day period ending December 27th 2019 is 87.7 MGD, the maximum is 96 MGD.