

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA

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

Summary river data for December 28th – January 3rd, 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 28	0	194	0	388	0	71	204	230	223	582
29	0	194	0	389	0	71	204	230	222	583
30	0	194	0	389	0	71	204	0	222	582
31	0	194	0	390	0	71	204	0	222	581
Jan 1	0	194	0	390	0	71	204	0	223	580
2	0	194	0	391	0	71	204	0	224	580
3	0	194	0	391	0	71	0	230	225	579

Pepacton Reservoir (P):	Available storage January 4, 2020 (0800) Spillway crest elevation 1,280.00 ft.	127.438 billion gallons 139.320 billion gallons	89.0%	1,271.42 (elev.ft.)
Cannonsville Reservoir (C):	Available storage January 4, 2020 (0800) Spillway crest elevation 1,150.00 ft.	84.680 billion gallons 93.448 billion gallons	89.6%	1,143.45 (elev.ft.)
Neversink Reservoir (N):	Available storage January 4, 2020 (0800) Spillway crest elevation 1,440.00 ft.	32.479 billion gallons 34.692 billion gallons	92.3%	1,434.48 (elev.ft.)
Combined contents, PCN:	Available storage January 4, 2020 (0800) Combined capacity at spillway level	239.727 billion gallons 267.460 billion gallons	89.6%	

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 28	0	301	601	109	2	139	3,019	4,170	0.00	2.86
29	0	300	601	109	1	532	3,465	5,010	0.43	3.29
30	0	300	601	109	2	754	5,306	7,070	0.24	3.53
31	0	300	601	110	-1	449	9,859	12,000	<u>0.05</u>	<u>3.58</u>
Jan 1	0	301	602	110	681	574	8,249	10,600	0.00	0.00
2	0	300	603	110	765	675	6,685	9,170	0.05	0.05
3	0	300	604	110	797	724	5,610	8,180	0.18	0.23

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 December 28th – January 3rd, 2019 averaged 88.3 MGD.

The average diversion for the 30-day period ending January 3rd 2019 is 86.6 MGD, the maximum is 95 MGD.

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 Web address: <http://water.usgs.gov/osw/odrm>
 Summary river data for January 4th – January 10th, 2020 (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
Jan 4	0	194	0	391	0	71	204	230	262	579
5	0	194	0	391	0	71	204	230	259	578
6	0	194	0	391	0	71	204	230	258	578
7	0	194	0	389	0	71	204	283	111	577
8	0	194	0	387	0	71	204	300	223	577
9	0	195	0	386	0	71	204	300	224	577
10	0	194	0	386	0	71	204	300	112	577

Pepacton Reservoir (P):	Available storage January 11, 2020 (0800) Spillway crest elevation 1,280.00 ft.	125.930 billion gallons 139.320 billion gallons	90.4%	1,272.54 (elev.ft.)
Cannonsville Reservoir (C):	Available storage January 11, 2020 (0800) Spillway crest elevation 1,150.00 ft.	83.404 billion gallons 93.448 billion gallons	89.3%	1,143.21 (elev.ft.)
Neversink Reservoir (N):	Available storage January 11, 2020 (0800) Spillway crest elevation 1,440.00 ft.	31.290 billion gallons 34.692 billion gallons	90.2%	1,432.96 (elev.ft.)
Combined contents, PCN:	Available storage January 11, 2020 (0800) Combined capacity at spillway level	260.624 billion gallons 267.460 billion gallons	90.0%	

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
Jan 4	0	300	604	110	807	736	5,113	7,670	0.05	0.28
5	0	300	605	109	-1	671	6,666	8,350	0.04	0.32
6	0	300	605	109	1	588	6,267	7,870	0.00	0.32
7	0	300	605	110	749	649	5,077	7,490	0.06	0.38
8	0	301	605	110	732	663	4,589	7,000	0.02	0.40
9	0	301	602	110	727	695	4,025	6,460	0.00	0.40
10	0	301	598	110	721	783	3,457	5,970	0.02	0.42

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 January 4th – January 10th, 2020 averaged 91.1 MGD.

The average diversion for the 30-day period ending January 10th 2020 is 87.7 MGD, the maximum is 93 MGD.

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 Web address: <http://water.usgs.gov/osw/odrm>
 Summary river data for January 11th – January 17th, 2020 (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
Jan 11	0	194	0	386	0	72	204	300	0	576
12	0	194	0	386	0	71	204	300	0	576
13	0	194	0	386	0	71	204	300	148	576
14	0	194	0	386	0	71	204	300	148	577
15	0	194	0	386	0	71	204	300	148	577
16	0	194	0	426	0	75	204	300	185	578
17	0	194	0	498	0	123	280	300	148	578

Pepacton Reservoir (P):	Available storage January 18, 2020 (0800) Spillway crest elevation 1,280.00 ft.	128.070 billion gallons 139.320 billion gallons	91.9%	1,273.76 (elev.ft.)
Cannonsville Reservoir (C):	Available storage January 18, 2020 (0800) Spillway crest elevation 1,150.00 ft.	83.161 billion gallons 93.448 billion gallons	89.0%	1,143.04 (elev.ft.)
Neversink Reservoir (N):	Available storage January 18, 2020 (0800) Spillway crest elevation 1,440.00 ft.	31.733 billion gallons 34.692 billion gallons	91.5%	1,433.90 (elev.ft.)
Combined contents, PCN:	Available storage January 18, 2020 (0800) Combined capacity at spillway level	242.964 billion gallons 267.460 billion gallons	90.8%	

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
Jan 11	0	301	598	109	738	678	3,316	5,740	0.38	0.80
12	0	301	597	109	0	519	4,334	5,860	0.00	0.80
13	0	301	597	111	-1	584	7,208	8,800	0.00	0.80
14	0	301	597	110	523	503	5,856	7,890	0.00	0.80
15	0	301	598	110	542	500	4,999	7,050	0.11	0.91
16	0	300	597	110	515	504	4,663	6,690	0.00	0.91
17	0	300	598	110	515	617	4,490	6,630	0.06	0.97

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 January 11th – January 17th, 2020 averaged 91.8 MGD.

The average diversion for the 30-day period ending January 17th 2020 is 90.7 MGD, the maximum is 93 MGD.

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 Summary river data for January 18th – January 24th, 2020 (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
Jan 18	0	194	0	498	0	123	304	300	0	578
19	0	194	0	497	0	123	304	300	0	578
20	0	194	0	497	0	123	304	300	111	579
21	0	194	0	498	0	123	380	300	112	580
22	0	194	0	497	0	123	404	217	0	580
23	0	194	0	497	0	123	404	201	0	580
24	0	194	0	497	0	123	404	50	0	580

Pepacton Reservoir (P):	Available storage January 25, 2020 (0800) Spillway crest elevation 1,280.00 ft.	127.030 billion gallons 139.320 billion gallons	91.2%	1,273.17 (elev.ft.)
Cannonsville Reservoir (C):	Available storage January 25, 2020 (0800) Spillway crest elevation 1,150.00 ft.	80.790 billion gallons 93.448 billion gallons	86.5%	1,141.37 (elev.ft.)
Neversink Reservoir (N):	Available storage January 25, 2020 (0800) Spillway crest elevation 1,440.00 ft.	31.483 billion gallons 34.692 billion gallons	90.8%	1,433.37 (elev.ft.)
Combined contents, PCN:	Available storage January 25, 2020 (0800) Combined capacity at spillway level	239.303 billion gallons 267.460 billion gallons	89.5%	

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
Jan 18	0	301	659	116	515	478	3,359	5,380	0.29	1.26
19	0	300	770	190	0	476	3,476	5,040	0.04	1.30
20	0	301	770	190	2	433	3,793	5,490	0.00	1.30
21	0	300	769	190	552	607	3,041	5,460	0.00	1.30
22	0	300	769	190	756	606	3,149	5,770	0.00	1.30
23	0	301	770	190	754	593	2,774	5,380	0.00	1.30
24	0	300	769	190	519	571	2,779	5,130	0.00	1.30

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 January 18th – January 24th, 2020 averaged 93.9 MGD.

The average diversion for the 30-day period ending January 24th 2020 is 92.1 MGD, the maximum is 95 MGD.

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 Summary river data for January 25th – January 31st, 2020 (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
Jan 25	0	194	0	497	0	123	403	0	0	579
26	0	194	0	497	0	123	403	0	0	578
27	0	194	0	497	0	123	404	0	0	578
28	0	194	0	517	0	123	404	0	0	577
29	0	194	0	708	0	123	404	0	0	576
30	0	194	0	800	0	123	404	0	0	575
31	0	194	0	796	0	123	322	0	0	574

Pepacton Reservoir (P):	Available storage February 1, 2020 (0800) Spillway crest elevation 1,280.00 ft.	126.520 billion gallons 139.320 billion gallons	90.8%	1,272.88 (elev.ft.)
Cannonsville Reservoir (C):	Available storage February 1, 2020 (0800) Spillway crest elevation 1,150.00 ft.	80.481 billion gallons 93.448 billion gallons	86.1%	1,141.15 (elev.ft.)
Neversink Reservoir (N):	Available storage February 1, 2020 (0800) Spillway crest elevation 1,440.00 ft.	31.672 billion gallons 34.692 billion gallons	91.3%	1,433.81 (elev.ft.)
Combined contents, PCN:	Available storage February 1, 2020 (0800) Combined capacity at spillway level	238.692 billion gallons 267.460 billion gallons	89.2%	

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 Discharge	Precipitation (inches)	
	Directed release ¹	Pepacton	Cannonsville	Neversink	Wallen- paupack	Rio Reservoir			Uncon- trolled ²	Daily
	Jan 25	0	300	769	190	535	484	2,851		
26	0	300	769	190	4	493	6,764	8,520	0.02	2.24
27	0	300	769	190	641	410	7,889	10,200	0.00	2.24
28	0	301	769	190	758	464	5,608	8,090	0.00	2.24
29	0	300	769	190	712	473	4,916	7,360	0.00	2.24
30	0	300	800	190	728	693	4,330	7,040	0.00	2.24
31	0	300	1,096	190	734	574	3,726	6,620	0.02	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 January 25th – January 31st 2020 averaged 88.6 MGD.

The average diversion for the 30-day period ending January 31st 2020 is 91.9 MGD, the maximum is 96 MGD.