

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA
 Web address: <http://water.usgs.gov/osw/odrm>
 Summary river data for July 27th – August 2nd, 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
July 27	0	97	0	351	0	74	402	298	0	542
28	0	97	0	358	0	74	402	298	93	546
29	0	97	0	358	0	74	402	298	111	551
30	0	97	0	366	0	74	418	298	130	556
31	0	97	0	319	0	74	402	229	0	557
1	0	97	0	322	0	74	402	228	0	558
2	0	97	0	362	0	74	398	228	0	559

Pepacton Reservoir (P):	Available storage August 3, 2019 (0800) Spillway crest elevation 1,280.00 ft.	124.650 billion gallons 139.320 billion gallons	89.5%	1,271.81 (elev.ft.)
Cannonsville Reservoir (C):	Available storage August 3, 2019 (0800) Spillway crest elevation 1,150.00 ft.	76.781 billion gallons 93.448 billion gallons	82.2%	1,138.49 (elev.ft.)
Neversink Reservoir (N):	Available storage August 3, 2019 (0800) Spillway crest elevation 1,440.00 ft.	31.028 billion gallons 34.692 billion gallons	89.4%	1,432.40 (elev.ft.)
Combined contents, PCN:	Available storage August 3, 2019 (0800) Combined capacity at spillway level	232.459 billion gallons 267.460 billion gallons	86.9%	
Lake Wallenpaupack:	Available storage August 2, 2019 (0800) Spillway crest elevation 1,190.00 ft.	22.124 billion gallons 35.451 billion gallons	62.4%	1,182.87(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
July 27	0	150	500	114	584	142	1,530	3,020	0.00	1.84
28	0	150	498	114	589	142	1,487	2,980	0.00	1.84
29	0	150	543	114	593	248	1,372	3,020	0.11	1.95
30	0	150	554	114	657	355	1,360	3,190	0.02	1.97
31	0	150	554	114	670	248	1,524	3,260	<u>0.05</u>	<u>2.02</u>
1	0	150	566	114	493	248	1,369	2,940	0.02	0.02
2	0	150	493	114	571	213	1,219	2,760	0.00	0.02

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 July 27th – August 2nd, 2019 averaged 95.7 MGD.

The average diversion for the 30-day period ending August 2nd 2019 is 92.0 MGD, the maximum is 99 MGD.

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA
 Web address: <http://water.usgs.gov/osw/odrm>
 Summary river data for August 3rd – August 9th, 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
Aug 3	0	96	0	361	0	74	398	228	0	569
4	0	96	0	322	0	74	402	228	0	570
5	0	96	0	322	0	74	402	228	0	571
6	0	97	0	323	0	74	402	221	0	572
7	0	97	0	323	0	74	385	228	0	573
8	0	97	0	323	0	74	267	228	0	571
9	0	97	0	323	0	74	397	228	0	572

Pepacton Reservoir (P):	Available storage August 10, 2019 (0800) Spillway crest elevation 1,280.00 ft.	122.330 billion gallons 139.320 billion gallons	87.8%	1,270.47 (elev.ft.)
Cannonsville Reservoir (C):	Available storage August 10, 2019 (0800) Spillway crest elevation 1,150.00 ft.	74.066 billion gallons 93.448 billion gallons	79.3%	1,136.50 (elev.ft.)
Neversink Reservoir (N):	Available storage August 10, 2019 (0800) Spillway crest elevation 1,440.00 ft.	30.836 billion gallons 34.692 billion gallons	88.9%	1,431.99 (elev.ft.)
Combined contents, PCN:	Available storage August 10, 2019 (0800) Combined capacity at spillway level	227.232 billion gallons 267.460 billion gallons	85.0%	
Lake Wallenpaupack:	Available storage August 9, 2019 (0800) Spillway crest elevation 1,190.00 ft.	21.228 billion gallons 35.451 billion gallons	59.9%	1,182.33(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
Aug 3	0	150	498	114	585	65	1,078	2,490	0.17	0.19
4	0	150	560	114	566	90	1,090	2,570	0.29	0.48
5	0	150	558	114	609	35	994	2,460	0.04	0.52
6	44	149	498	114	435	145	969	2,310	0.03	0.55
7	162	149	498	114	369	146	2,154	3,430	1.68	2.23
8	0	149	500	114	273	73	3,561	4,670	0.10	2.33
9	0	150	500	114	313	12	3,221	4,310	0.23	2.56

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 aug 3-6 and 9 and 60 cfs on Aug 7 & 8 from Rio Reservoir. Diversions by New Jersey through the D&R Canal August 3rd – August 9th, 2019 averaged 88.5 MGD. The average diversion for the 30-day period ending August 9th 2019 is 90.3 MGD, the maximum is 99 MGD.

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA
 Web address: <http://water.usgs.gov/osw/odrm>
 Summary river data for August 10th – August 16th, 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
Aug 10	0	97	0	319	0	74	397	228	0	573
11	0	97	0	325	0	74	397	228	0	574
12	0	97	0	329	0	74	435	229	0	575
13	0	97	0	324	0	74	448	229	0	576
14	0	97	0	320	0	74	448	229	0	578
15	0	97	0	319	0	74	448	229	0	579
16	0	97	0	324	0	74	448	228	0	580

Pepacton Reservoir (P):	Available storage August 17, 2019 (0800) Spillway crest elevation 1,280.00 ft.	119.170 billion gallons 139.320 billion gallons	85.5%	1,268.63 (elev.ft.)
Cannonsville Reservoir (C):	Available storage August 17, 2019 (0800) Spillway crest elevation 1,150.00 ft.	70.915 billion gallons 93.448 billion gallons	75.9%	1,134.15 (elev.ft.)
Neversink Reservoir (N):	Available storage August 17, 2019 (0800) Spillway crest elevation 1,440.00 ft.	30.460 billion gallons 34.692 billion gallons	87.8%	1,431.18 (elev.ft.)
Combined contents, PCN:	Available storage August 17, 2019 (0800) Combined capacity at spillway level	220.545 billion gallons 267.460 billion gallons	82.5%	
Lake Wallenpaupack:	Available storage August 16, 2019 (0800) Spillway crest elevation 1,190.00 ft.	20.332 billion gallons 35.451 billion gallons	57.4%	1,181.85 (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
Aug 10	0	150	500	114	363	36	2,477	3,640	0.05	2.61
11	0	150	500	114	317	0	1,869	2,950	0.00	2.61
12	0	150	493	114	305	0	1,558	2,620	0.00	2.61
13	0	150	503	114	372	0	1,411	2,550	0.00	2.61
14	0	150	509	114	324	35	1,318	2,450	0.07	2.68
15	0	150	501	114	360	0	1,255	2,380	0.01	2.69
16	0	150	495	114	331	0	1,130	2,220	0.36	3.05

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 August 10th – August 16th, 2019 averaged 93.1 MGD.

The average diversion for the 30-day period ending August 16th 2019 is 91.3 MGD, the maximum is 99 MGD.

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA
 Web address: <http://water.usgs.gov/osw/odrm>
 Summary river data for August 17th – August 23rd, 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
Aug 17	0	97	0	325	0	74	447	228	0	581
18	0	97	0	323	0	74	447	228	73	584
19	0	97	0	324	0	74	447	229	118	586
20	0	97	0	322	0	74	447	229	166	589
21	0	97	0	324	0	74	447	229	74	591
22	0	97	0	324	0	74	447	146	189	594
23	0	96	0	342	0	74	448	186	0	594

Pepacton Reservoir (P):	Available storage August 24, 2019 (0800) Spillway crest elevation 1,280.00 ft.	116.460 billion gallons 139.320 billion gallons	83.6%	1,267.03 (elev.ft.)
Cannonsville Reservoir (C):	Available storage August 24, 2019 (0800) Spillway crest elevation 1,150.00 ft.	68.069 billion gallons 93.448 billion gallons	72.8%	1,131.99 (elev.ft.)
Neversink Reservoir (N):	Available storage August 24, 2019 (0800) Spillway crest elevation 1,440.00 ft.	29.610 billion gallons 34.692 billion gallons	85.4%	1,429.33 (elev.ft.)
Combined contents, PCN:	Available storage August 24, 2019 (0800) Combined capacity at spillway level	214.139 billion gallons 267.460 billion gallons	80.1%	
Lake Wallenpaupack:	Available storage August 23, 2019 (0800) Spillway crest elevation 1,190.00 ft.	18.546 billion gallons 35.451 billion gallons	52.3%	1,180.88 (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
Aug 17	39	150	493	114	315	177	1,511	2,760	0.16	3.21
18	60	150	501	114	386	71	1,598	2,820	0.31	3.52
19	0	150	503	114	419	160	1,644	2,990	0.02	3.72
20	0	150	500	114	532	230	1,564	3,090	0.00	3.72
21	0	150	501	114	540	177	1,378	2,860	0.01	3.73
22	0	150	498	114	493	142	1,323	2,720	0.28	4.01
23	0	150	501	114	457	35	1,303	2,560	0.01	4.11

1. Release directed to maintain a flow at Montague of 1,750 cfs and Trenton of 3,000 cfs.
 2. Includes conservation release of 100 cfs from August 17-20 and 70 cfs from August 21-23 from Rio Reservoir.
- Diversions by New Jersey through the D&R Canal August 17th – August 23rd, 2019 averaged 91.1 MGD.
 The average diversion for the 30-day period ending August 23rd 2019 is 91.9 MGD, the maximum is 99 MGD.

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA
 Web address: <http://water.usgs.gov/osw/odrm>
 Summary river data for August 24th – August 30th, 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
Aug 24	0	97	0	323	0	74	448	284	0	596
25	0	96	0	320	0	74	448	284	0	597
26	0	96	0	320	0	74	448	195	0	598
27	0	97	0	320	0	74	448	198	0	598
28	0	97	0	324	0	74	448	284	0	600
29	0	97	0	324	0	74	448	231	74	602
30	0	97	0	432	0	74	448	213	110	603

Pepacton Reservoir (P):	Available storage August 31, 2019 (0800) Spillway crest elevation 1,280.00 ft.	113.200 billion gallons 139.320 billion gallons	81.3%	1,265.08 (elev.ft.)
Cannonsville Reservoir (C):	Available storage August 31, 2019 (0800) Spillway crest elevation 1,150.00 ft.	64.376 billion gallons 93.448 billion gallons	68.9%	1,129.13 (elev.ft.)
Neversink Reservoir (N):	Available storage August 31, 2019 (0800) Spillway crest elevation 1,440.00 ft.	28.980 billion gallons 34.692 billion gallons	83.5%	1,427.94 (elev.ft.)
Combined contents, PCN:	Available storage August 31, 2019 (0800) Combined capacity at spillway level	206.556 billion gallons 267.460 billion gallons	77.2%	
Lake Wallenpaupack:	Available storage August 30, 2019 (0800) Spillway crest elevation 1,190.00 ft.	18.370 billion gallons 35.451 billion gallons	51.8%	1,180.74 (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
Aug 24	0	150	501	114	342	33	1,200	2,340	0.00	4.11
25	102	150	529	114	154	33	1,080	2,060	0.00	4.11
26	207	149	500	114	191	33	963	1,950	0.00	4.11
27	221	150	495	114	41	0	940	1,740	0.00	4.11
28	328	149	495	114	21	33	878	1,690	0.00	4.11
29	334	149	495	114	4	33	865	1,660	0.07	4.18
30	237	150	501	114	27	33	825	1,650	0.00	4.18

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 August 17-20 and 70 cfs from August 21-23 from Rio Reservoir.
- Diversions by New Jersey through the D&R Canal August 24th – August 30th, 2019 averaged 90.7 MGD.
 The average diversion for the 30-day period ending August 30th 2019 is 91.1 MGD, the maximum is 98 MGD.