

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA
 Web address: <http://water.usgs.gov/osw/odrm>
 Summary river data for October 26th – November 1st, 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
Oct 26	0	52	0	96	0	39	422	0	0	630
27	0	52	0	97	0	39	422	0	0	629
28	0	52	0	97	0	39	204	0	0	626
29	0	52	0	97	0	39	66	0	0	622
30	0	52	0	97	0	39	0	229	0	620
31	0	46	0	97	0	38	0	222	0	617
Nov 1	0	52	0	95	0	39	0	0	0	613

Pepacton Reservoir (P):	Available storage November 2, 2019 (0800) Spillway crest elevation 1,280.00 ft.	103.450 billion gallons 139.320 billion gallons	74.3%	1,259.09 (elev.ft.)
Cannonsville Reservoir (C):	Available storage November 2, 2019 (0800) Spillway crest elevation 1,150.00 ft.	54.145 billion gallons 93.448 billion gallons	57.9%	1,120.83 (elev.ft.)
Neversink Reservoir (N):	Available storage November 2, 2019 (0800) Spillway crest elevation 1,440.00 ft.	28.908 billion gallons 34.692 billion gallons	83.3%	1,427.78 (elev.ft.)
Combined contents, PCN:	Available storage November 2, 2019 (0800) Combined capacity at spillway level	186.503 billion gallons 267.460 billion gallons	69.7%	
Lake Wallenpaupack:	Available storage November 1, 2019 (0800) Spillway crest elevation 1,190.00 ft.	18.898 billion gallons 35.451 billion gallons	53.3%	1,181.08 (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
Oct 26	0	80	149	60	0	85	2,336	2,710	0.00	4.92
27	0	80	149	60	4	210	2,247	2,750	0.14	5.06
28	0	80	149	56	4	137	5,774	6,200	0.76	5.82
29	0	80	150	60	3	127	5,330	5,750	0.00	5.82
30	0	80	150	60	5	133	3,902	4,330	0.00	5.82
31	0	80	150	60	3	134	3,513	3,940	<u>0.43</u>	<u>6.25</u>
Nov 1	0	80	150	60	7	203	16,500	17,000	1.69	1.69

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

2. Includes conservation release of 60 cfs from Rio Reservoir.

Diversions by New Jersey through the D&R Canal October 26th – November 1st, 2019 averaged 87.3 MGD.

The average diversion for the 30-day period ending November 1st 2019 is 92.3 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 November 2nd – November 8th, 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 2	0	54	0	100	0	40	0	0	0	609
3	0	52	0	107	0	39	0	0	0	605
4	0	52	0	97	0	39	0	0	0	601
5	0	52	0	98	0	39	0	0	169	599
6	0	52	0	98	0	39	0	0	202	596
7	0	52	0	98	0	39	399	0	1	595
8	0	52	0	98	0	39	444	0	0	594

Pepacton Reservoir (P):	Available storage November 9, 2019 (0800) Spillway crest elevation 1,280.00 ft.	107.760 billion gallons 139.320 billion gallons	77.3%	1,261.77 (elev.ft.)
Cannonsville Reservoir (C):	Available storage November 9, 2019 (0800) Spillway crest elevation 1,150.00 ft.	61.281 billion gallons 93.448 billion gallons	65.6%	1,126.68 (elev.ft.)
Neversink Reservoir (N):	Available storage November 9, 2019 (0800) Spillway crest elevation 1,440.00 ft.	30.003 billion gallons 34.692 billion gallons	86.5%	1,430.19 (elev.ft.)
Combined contents, PCN:	Available storage November 9, 2019 (0800) Combined capacity at spillway level	199.044 billion gallons 267.460 billion gallons	74.4%	
Lake Wallenpaupack:	Available storage November 8, 2019 (0800) Spillway crest elevation 1,190.00 ft.	19.077 billion gallons 35.451 billion gallons	53.8%	1,181.11 (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 2	0	80	150	59	988	243	19,580	21,100	0.00	1.69
3	0	71	147	60	726	143	10,853	12,000	0.00	1.69
4	0	80	155	62	751	195	7,527	8,770	0.00	1.69
5	0	84	158	60	533	452	5,733	7,020	0.00	1.69
6	0	80	150	60	360	150	4,780	5,580	0.01	1.70
7	0	80	152	60	350	187	4,131	4,960	0.00	1.70
8	0	80	152	60	472	210	3,836	4,810	0.15	1.85

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 2nd – November 8th, 2019 averaged 89.7 MGD.

The average diversion for the 30-day period ending November 8th 2019 is 91.9 MGD, the maximum is 96 MGD.

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA

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Summary river data for November 9th – November 15th, 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 9	0	52	0	98	0	39	449	0	0	593
10	0	52	0	98	0	39	449	0	0	592
11	0	52	0	98	0	39	449	0	0	591
12	0	52	0	98	0	39	449	271	0	592
13	0	52	0	98	0	39	449	300	0	593
14	0	52	0	98	0	39	449	300	0	594
15	0	52	0	98	0	39	427	300	0	595

Pepacton Reservoir (P):	Available storage November 16, 2019 (0800) Spillway crest elevation 1,280.00 ft.	106.690 billion gallons 139.320 billion gallons	76.6%	1,261.11 (elev.ft.)
Cannonsville Reservoir (C):	Available storage November 16, 2019 (0800) Spillway crest elevation 1,150.00 ft.	62.423 billion gallons 93.448 billion gallons	66.8%	1,127.59 (elev.ft.)
Neversink Reservoir (N):	Available storage November 16, 2019 (0800) Spillway crest elevation 1,440.00 ft.	30.432 billion gallons 34.692 billion gallons	87.7%	1,431.12 (elev.ft.)
Combined contents, PCN:	Available storage November 16, 2019 (0800) Combined capacity at spillway level	199.549 billion gallons 267.460 billion gallons	74.6%	
Lake Wallenpaupack:	Available storage November 15, 2019 (0800) Spillway crest elevation 1,190.00 ft.	19.256 billion gallons 35.451 billion gallons	54.3%	1,181.27 (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 9	0	80	152	60	4	248	3,826	4,370	0.00	1.85
10	0	80	152	60	19	165	3,284	3,760	0.00	1.85
11	0	80	152	60	6	134	2,968	3,400	0.00	1.85
12	0	80	152	60	4	134	2,900	3,330	0.05	1.90
13	0	80	152	60	395	335	2,618	3,640	0.00	1.90
14	0	80	152	60	408	307	2,183	3,190	0.00	1.90
15	0	80	152	60	215	308	2,195	3,010	0.00	1.90

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 9th – November 15th, 2019 averaged 94.2 MGD.

The average diversion for the 30-day period ending November 15th 2019 is 90.9 MGD, the maximum is 96 MGD.

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 Summary river data for November 16th – November 22nd, 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 16	0	52	0	98	0	39	399	300	0	595
17	0	52	0	98	0	39	399	300	0	596
18	0	52	0	98	0	39	399	300	0	597
19	0	52	0	98	0	39	399	301	0	597
20	0	52	0	97	0	39	315	301	0	597
21	0	52	0	98	0	39	349	300	108	598
22	0	52	0	98	0	39	299	299	182	599

Pepacton Reservoir (P):	Available storage November 23, 2019 (0800) Spillway crest elevation 1,280.00 ft.	106.530 billion gallons 139.320 billion gallons	76.5%	1,261.01 (elev.ft.)
Cannonsville Reservoir (C):	Available storage November 23, 2019 (0800) Spillway crest elevation 1,150.00 ft.	62.599 billion gallons 93.448 billion gallons	67.0%	1,127.73 (elev.ft.)
Neversink Reservoir (N):	Available storage November 23, 2019 (0800) Spillway crest elevation 1,440.00 ft.	30.664 billion gallons 34.692 billion gallons	88.4%	1,431.62 (elev.ft.)
Combined contents, PCN:	Available storage November 23, 2019 (0800) Combined capacity at spillway level	199.793 billion gallons 267.460 billion gallons	74.7%	
Lake Wallenpaupack:	Available storage November 22, 2019 (0800) Spillway crest elevation 1,190.00 ft.	19.794 billion gallons 35.451 billion gallons	55.8%	1,181.51 (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 16	0	80	152	60	234	308	1,996	2,830	0.00	1.90
17	0	80	152	60	4	129	1,965	2,390	0.00	1.90
18	0	80	152	60	4	128	1,876	2,300	0.00	1.90
19	0	80	152	60	133	164	2,071	2,660	0.56	2.46
20	0	80	152	60	129	150	2,509	3,080	0.00	2.46
21	0	80	152	60	4	131	2,663	3,090	0.00	2.46
22	0	80	150	60	4	136	2,370	2,800	0.00	2.46

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 16th – November 22nd, 2019 averaged 94.5 MGD.

The average diversion for the 30-day period ending November 22nd 2019 is 94.6 MGD, the maximum is 99 MGD.

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Summary river data for November 23rd – November 29th, 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 23	0	52	0	98	0	39	299	300	0	599
24	0	52	0	98	0	39	299	300	0	599
25	0	52	0	98	0	39	215	217	0	598
26	0	52	0	98	0	39	199	200	0	597
27	0	52	0	98	0	39	199	201	0	596
28	0	52	0	98	0	39	199	201	0	595
29	0	55	0	98	0	48	200	201	152	595

Pepacton Reservoir (P):	Available storage November 30, 2019 (0800) Spillway crest elevation 1,280.00 ft.	109.080 billion gallons 139.320 billion gallons	78.3%	1,262.58 (elev.ft.)
Cannonsville Reservoir (C):	Available storage November 30, 2019 (0800) Spillway crest elevation 1,150.00 ft.	65.272 billion gallons 93.448 billion gallons	69.8%	1,129.83 (elev.ft.)
Neversink Reservoir (N):	Available storage November 30, 2019 (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 November 30, 2019 (0800) Combined capacity at spillway level	206.085 billion gallons 267.460 billion gallons	77.1%	
Lake Wallenpaupack:	Available storage November 29, 2019 (0800) Spillway crest elevation 1,190.00 ft.	20.511 billion gallons 35.451 billion gallons	57.9%	1,181.99 (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 23	0	80	152	60	4	203	2,181	2,680	0.12	2.58
24	0	80	152	60	4	358	3,146	3,800	0.52	3.10
25	0	80	152	60	3	675	6,020	6,990	0.61	3.71
26	0	80	152	60	210	477	5,171	6,150	0.00	3.71
27	0	80	152	60	228	534	4,536	5,590	0.00	3.71
28	0	80	152	60	208	854	4,126	5,480	0.24	3.95
29	0	80	152	60	202	629	4,227	5,350	0.00	3.95

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 23rd – November 29th, 2019 averaged 92.6 MGD.

The average diversion for the 30-day period ending November 29th 2019 is 92.2 MGD, the maximum is 96 MGD.

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 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.