

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA  
 Web address: <http://water.usgs.gov/osw/odrm>  
 Summary river data for October 31<sup>st</sup> – November 6<sup>th</sup>, 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-20 to date
Oct 31	0	54	0	98	0	41	363	0	0	602
Nov 1	0	52	0	103	0	39	348	0	0	600
2	0	52	0	98	0	39	348	0	0	598
3	0	52	0	97	0	39	348	0	0	597
4	0	52	0	97	0	39	348	9	0	595
5	0	52	0	98	0	39	348	0	0	594
6	0	52	0	98	0	39	348	0	0	592

Pepacton Reservoir (P):	Available storage November 7, 2020 (0800) Spillway crest elevation 1,280.00 ft.	99.420 billion gallons 139.320 billion gallons	71.4%	1,256.53 (elev.ft.)
Cannonsville Reservoir (C):	Available storage November 7, 2020 (0800) Spillway crest elevation 1,150.00 ft.	41.559 billion gallons 93.448 billion gallons	44.5%	1109.64 (elev.ft.)
Neversink Reservoir (N):	Available storage November 7, 2020 (0800) Spillway crest elevation 1,440.00 ft.	27.744 billion gallons 34.692 billion gallons	80.0%	1425.16 (elev.ft.)
Combined contents, PCN:	Available storage November 7, 2020 (0800) Combined capacity at spillway level	168.723 billion gallons 267.460 billion gallons	63.1%	

**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 <sup>1</sup>	Pepacton	Cannonsville	Neversink	Wallen- paupack	Rio Reservoir			Uncon- trolled <sup>2</sup>	Daily
	Oct 31	0	80	401	60	0	347	5,993		
Nov 1	0	80	228	60	0	128	4,205	4,700	0.22	0.22
2	0	80	152	63	0	470	3,505	4,270	0.01	0.23
3	0	84	159	60	213	666	3,058	4,240	0.00	0.23
4	0	80	151	60	192	519	2,727	3,730	0.00	0.23
5	0	80	151	60	0	226	2,484	3,000	0.00	0.23
6	0	80	151	60	0	115	2,304	2,710	0.00	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 October 31<sup>st</sup> – November 6<sup>th</sup> 2020 averaged 89.6 MGD.  
 The average diversion for the 30-day period ending November 6<sup>th</sup> 2020 is 95.2 MGD, the maximum is 105 MGD.

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Summary river data for November 7<sup>th</sup> – November 13<sup>th</sup>, 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-20 to date
Nov 7	0	52	0	98	0	39	348	0	0	591
8	0	52	0	98	0	39	348	0	0	589
9	0	52	0	98	0	39	348	3	0	588
10	0	52	0	98	0	39	348	0	0	586
11	0	52	0	98	0	39	347	0	0	585
12	0	52	0	98	0	39	348	0	1	583
13	0	52	0	98	0	39	348	0	0	582

Pepacton Reservoir (P):	Available storage November 14, 2020 (0800) Spillway crest elevation 1,280.00 ft.	99.100 billion gallons 139.320 billion gallons	71.1%	1,256.32 (elev.ft.)
Cannonsville Reservoir (C):	Available storage November 14, 2020 (0800) Spillway crest elevation 1,150.00 ft.	43.257 billion gallons 93.448 billion gallons	46.3%	1111.23 (elev.ft.)
Neversink Reservoir (N):	Available storage November 14, 2020 (0800) Spillway crest elevation 1,440.00 ft.	28.092 billion gallons 34.692 billion gallons	81.0%	1425.95 (elev.ft.)
Combined contents, PCN:	Available storage November 14, 2020 (0800) Combined capacity at spillway level	170.449 billion gallons 267.460 billion gallons	63.7%	

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 <sup>1</sup>	Pepacton	Cannonsville	Neversink	Wallen- paupack	Rio Reservoir	Uncon- trolled <sup>2</sup>	Discharge	(inches)	
									Daily	Cumulative
Nov 7	0	80	151	61	0	140	2,149	2,580	0.00	0.23
8	0	80	151	60	0	340	1,929	2,560	0.00	0.23
9	0	80	151	60	0	326	1,763	2,380	0.00	0.23
10	0	80	152	60	0	139	1,710	2,140	0.00	0.23
11	0	80	151	60	0	159	1,680	2,130	0.70	0.93
12	0	80	152	60	0	321	1,987	2,600	0.04	0.97
13	0	80	152	61	0	121	3,007	3,420	0.00	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 November 7<sup>th</sup> – November 13<sup>th</sup> 2020 averaged 95.3 MGD.

The average diversion for the 30-day period ending November 13<sup>th</sup> 2020 is 94.5 MGD, the maximum is 105 MGD.

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Summary river data for November 14<sup>th</sup> – November 20<sup>th</sup>, 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-20 to date
Nov 14	0	52	0	98	0	39	348	0	0	581
15	0	52	0	96	0	39	348	0	0	579
16	0	52	0	98	0	39	348	0	0	578
17	0	52	0	97	0	39	348	0	0	576
18	0	52	0	97	0	39	349	0	129	576
19	0	52	0	98	0	39	348	0	147	575
20	0	52	0	98	0	39	254	0	0	574

Pepacton Reservoir (P):	Available storage November 21, 2020 (0800) Spillway crest elevation 1,280.00 ft.	99.100 billion gallons 139.320 billion gallons	71.1%	1,256.32 (elev.ft.)
Cannonsville Reservoir (C):	Available storage November 21, 2020 (0800) Spillway crest elevation 1,150.00 ft.	44.940 billion gallons 93.448 billion gallons	48.1%	1112.78 (elev.ft.)
Neversink Reservoir (N):	Available storage November 21, 2020 (0800) Spillway crest elevation 1,440.00 ft.	28.599 billion gallons 34.692 billion gallons	82.4%	1427.09 (elev.ft.)
Combined contents, PCN:	Available storage November 21, 2020 (0800) Combined capacity at spillway level	172.639 billion gallons 267.460 billion gallons	64.5%	

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 <sup>1</sup>	Pepacton	Cannonsville	Neversink	Wallen- paupack	Rio Reservoir	Uncon- trolled <sup>2</sup>	Discharge	(inches)	
									Daily	Cumulative
Nov 14	0	80	151	61	4	120	2,644	3,060	0.00	0.97
15	0	80	151	60	0	118	2,351	2,760	0.42	1.39
16	0	80	152	60	0	224	2,664	3,180	0.42	1.81
17	0	80	149	60	148	186	3,246	3,870	0.04	1.85
18	0	80	152	61	158	140	3,148	3,740	0.00	1.85
19	0	80	150	60	290	351	2,549	3,480	0.00	1.85
20	0	80	151	60	144	126	2,409	2,970	0.00	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 14<sup>th</sup> – November 20<sup>th</sup> 2020 averaged 93.1 MGD.

The average diversion for the 30-day period ending November 20<sup>th</sup> 2020 is 93.8 MGD, the maximum is 105 MGD.

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Summary river data for November 21<sup>st</sup> – November 27<sup>th</sup>, 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-20 to date
Nov 21	0	52	0	98	0	39	199	0	0	571
22	0	52	0	99	0	39	199	0	0	569
23	0	52	0	97	0	39	199	0	0	567
24	0	52	0	97	0	39	199	0	93	566
25	0	52	0	98	0	39	199	0	129	564
26	0	52	0	98	0	39	200	0	0	562
27	0	52	0	98	0	39	351	0	0	561

Pepacton Reservoir (P):	Available storage November 28, 2020 (0800) Spillway crest elevation 1,280.00 ft.	100.810 billion gallons 139.320 billion gallons	72.4%	1,257.42 (elev.ft.)
Cannonsville Reservoir (C):	Available storage November 28, 2020 (0800) Spillway crest elevation 1,150.00 ft.	47.392 billion gallons 93.448 billion gallons	50.7%	1114.99 (elev.ft.)
Neversink Reservoir (N):	Available storage November 28, 2020 (0800) Spillway crest elevation 1,440.00 ft.	29.419 billion gallons 34.692 billion gallons	84.8%	1428.91 (elev.ft.)
Combined contents, PCN:	Available storage November 28, 2020 (0800) Combined capacity at spillway level	177.621 billion gallons 267.460 billion gallons	66.4%	

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 <sup>1</sup>	Pepacton	Cannonsville	Neversink	Wallen- paupack	Rio Reservoir	Uncon- trolled <sup>2</sup>	Discharge	(inches)	
									Daily	Cumulative
Nov 21	0	80	151	60	104	118	2,266	2,780	0.00	1.85
22	0	80	151	60	4	118	2,137	2,550	0.38	2.23
23	0	80	151	60	4	119	2,185	2,600	0.01	2.24
24	0	80	153	60	4	120	2,942	3,360	0.00	2.24
25	0	80	150	60	131	119	3,429	3,970	0.34	2.58
26	0	80	150	60	248	121	2,940	3,600	0.08	2.66
27	0	81	151	60	4	133	3,842	4,270	0.01	2.67

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 21<sup>st</sup> – November 27<sup>th</sup> 2020 averaged 94.8 MGD.

The average diversion for the 30-day period ending November 27<sup>th</sup> 2020 is 92.1 MGD, the maximum is 103 MGD.

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 Web address: <http://water.usgs.gov/osw/odrm>  
 Summary river data for November 28<sup>th</sup> – December 4<sup>th</sup>, 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-20 to date
Nov 28	0	52	0	98	0	39	353	0	0	560
29	0	52	0	98	0	39	350	0	0	559
30	0	52	0	99	0	39	201	0	0	557
Dec 1	0	52	0	99	0	39	0	0	110	554
2	0	53	0	99	0	39	0	0	213	553
3	0	52	0	98	0	39	0	0	0	550
4	0	52	0	97	0	39	201	0	148	548

Pepacton Reservoir (P):	Available storage December 5, 2020 (0800) Spillway crest elevation 1,280.00 ft.	105.930 billion gallons 139.320 billion gallons	76.0%	1,260.64 (elev.ft.)
Cannonsville Reservoir (C):	Available storage December 5, 2020 (0800) Spillway crest elevation 1,150.00 ft.	51.266 billion gallons 93.448 billion gallons	54.9%	1118.38 (elev.ft.)
Neversink Reservoir (N):	Available storage December 5, 2020 (0800) Spillway crest elevation 1,440.00 ft.	32.032 billion gallons 34.692 billion gallons	92.3%	1434.53 (elev.ft.)
Combined contents, PCN:	Available storage December 5, 2020 (0800) Combined capacity at spillway level	189.228 billion gallons 267.460 billion gallons	70.8%	

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 <sup>1</sup>	Pepacton	Cannonsville	Neversink	Wallen- paupack	Rio Reservoir	Uncon- trolled <sup>2</sup>	Discharge	(inches)	
									Daily	Cumulative
Nov 28	0	81	151	60	4	214	3,970	4,480	0.01	2.68
29	0	81	152	60	4	169	3,415	3,880	0.00	2.68
30	0	81	152	60	4	240	4,394	4,930	<u>0.96</u>	<u>3.64</u>
Dec 1	0	81	152	60	410	709	13,189	14,600	0.03	0.03
2	0	81	153	60	1,189	505	10,812	12,800	0.01	0.04
3	0	81	153	60	386	701	7,988	9,370	0.00	0.04
4	0	81	153	60	369	789	6,357	7,810	0.05	0.09

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 28<sup>th</sup> – December 4<sup>th</sup> 2020 averaged 85.3 MGD.

The average diversion for the 30-day period ending December 4<sup>th</sup> 2020 is 92.4 MGD, the maximum is 103 MGD.