

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA

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

Summary river data for February 29th – March 6th, 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
Feb 29	0	300	0	391	0	71	302	0	0	545
Mar 1	0	300	0	391	0	71	302	0	0	544
2	0	300	0	392	0	71	302	0	0	544
3	0	301	0	421	0	71	303	0	0	543
4	0	301	0	604	0	71	303	0	0	542
5	0	256	0	700	0	71	303	0	0	541
6	0	194	0	704	0	71	303	0	133	541

Pepacton Reservoir (P):	Available storage March 7, 2020 (0800) Spillway crest elevation 1,280.00 ft.	129.520 billion gallons 139.320 billion gallons	93.0%	1,274.58 (elev.ft.)
Cannonsville Reservoir (C):	Available storage March 7, 2020 (0800) Spillway crest elevation 1,150.00 ft.	86.313 billion gallons 93.448 billion gallons	92.4%	1,145.22 (elev.ft.)
Neversink Reservoir (N):	Available storage March 7, 2020 (0800) Spillway crest elevation 1,440.00 ft.	32.080 billion gallons 34.692 billion gallons	92.5%	1,434.63 (elev.ft.)
Combined contents, PCN:	Available storage March 7, 2020 (0800) Combined capacity at spillway level	247.913 billion gallons 267.460 billion gallons	92.7%	

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 ¹	Pepacton	Cannonsville	Neversink	Wallen- paupack	Rio Reservoir	Uncon- trolled ²	Discharge	(inches)	
									Daily	Cumulative
Feb 29	0	463	602	110	859	679	6,797	9,510	0.01	3.38
Mar 1	0	463	604	110	4	675	5,664	7,520	0.01	0.01
2	0	464	605	110	4	714	5,113	7,010	0.02	0.03
3	0	465	605	110	557	689	4,564	6,990	0.32	0.35
4	0	464	606	110	523	650	5,547	7,900	0.21	0.56
5	0	465	652	110	406	664	7,183	9,480	0.00	0.56
6	0	465	935	110	425	750	6,155	8,840	0.08	0.64

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 February 29th – March 6th 2020 averaged 95.2 MGD.

The average diversion for the 30-day period ending march 6th 2020 is 91.8 MGD, the maximum is 98 MGD.

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 Web address: <http://water.usgs.gov/osw/odrm>
 Summary river data for March 7th – March 13th, 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
Mar 7	0	187	0	708	0	68	290	0	16	540
8	0	195	0	678	0	71	303	0	0	539
9	0	195	0	646	0	71	53	0	0	537
10	0	195	0	491	0	71	0	0	0	535
11	0	195	0	267	0	71	0	192	0	534
12	0	195	0	252	0	71	0	231	149	534
13	0	195	0	249	0	71	0	231	0	532

Pepacton Reservoir (P):	Available storage March 14, 2020 (0800) Spillway crest elevation 1,280.00 ft.	131.910 billion gallons 139.320 billion gallons	94.7%	1,275.92 (elev.ft.)
Cannonsville Reservoir (C):	Available storage March 14, 2020 (0800) Spillway crest elevation 1,150.00 ft.	88.030 billion gallons 93.448 billion gallons	94.2%	1,146.39 (elev.ft.)
Neversink Reservoir (N):	Available storage March 14, 2020 (0800) Spillway crest elevation 1,440.00 ft.	33.170 billion gallons 34.692 billion gallons	95.6%	1,435.94 (elev.ft.)
Combined contents, PCN:	Available storage March 14, 2020 (0800) Combined capacity at spillway level	253.110 billion gallons 267.460 billion gallons	94.6%	

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
Mar 7	0	465	1,083	110	532	692	4,978	7,860	0.00	0.08
8	0	396	1,090	110	4	640	4,550	6,790	0.00	0.08
9	0	301	1,095	105	4	715	4,370	6,590	0.00	0.08
10	0	289	1,049	110	538	787	3,577	6,350	0.30	0.38
11	0	301	1,000	110	282	665	3,682	6,040	0.01	0.39
12	0	301	760	110	4	595	3,930	5,700	0.25	0.64
13	0	301	414	110	4	785	4,056	5,670	0.02	0.66

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 March 7th – March 13th 2020 averaged 95.8 MGD.

The average diversion for the 30-day period ending March 13th 2020 is 93.6 MGD, the maximum is 98 MGD.

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 Summary river data for March 14th – March 20th, 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
Mar 14	0	195	0	346	0	71	0	231	0	531
15	0	195	0	385	0	71	0	231	0	530
16	0	194	0	386	0	71	0	231	221	530
17	0	194	0	387	0	71	41	231	0	529
18	0	194	0	387	0	71	0	231	145	529
19	0	194	0	387	0	71	118	0	111	528
20	0	194	0	386	0	71	229	0	149	527

Pepacton Reservoir (P):	Available storage March 21, 2020 (0800) Spillway crest elevation 1,280.00 ft.	134.590 billion gallons 139.320 billion gallons	96.6%	1,277.41 (elev.ft.)
Cannonsville Reservoir (C):	Available storage March 21, 2020 (0800) Spillway crest elevation 1,150.00 ft.	89.065 billion gallons 93.448 billion gallons	95.3%	1,147.09 (elev.ft.)
Neversink Reservoir (N):	Available storage March 21, 2020 (0800) Spillway crest elevation 1,440.00 ft.	33.965 billion gallons 34.692 billion gallons	97.9%	1,438.53 (elev.ft.)
Combined contents, PCN:	Available storage March 21, 2020 (0800) Combined capacity at spillway level	257.620 billion gallons 267.460 billion gallons	96.3%	

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
Mar 14	0	301	390	110	4	656	5,049	6,510	0.03	0.69
15	0	302	386	110	4	359	4,949	6,110	0.00	0.69
16	0	302	534	110	4	506	4,374	5,830	0.09	0.78
17	0	302	596	110	215	487	3,700	5,410	0.00	0.78
18	0	301	597	110	209	475	3,448	5,140	0.06	1.38
19	0	299	598	110	135	304	4,103	5,550	0.09	1.47
20	0	299	598	110	260	140	6,293	7,700	0.20	1.67

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 March 14th – March 20th 2020 averaged 92.7 MGD.

The average diversion for the 30-day period ending March 20th 2020 is 94.1 MGD, the maximum is 98 MGD.

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 Web address: <http://water.usgs.gov/osw/odrm>
 Summary river data for March 21st – March 27th, 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
Mar 21	0	194	0	388	0	71	304	0	0	526
22	0	195	0	388	0	71	304	0	0	526
23	0	195	0	388	0	71	304	0	186	526
24	0	195	0	388	0	71	400	0	186	526
25	0	195	0	388	0	71	403	0	0	525
26	0	195	0	389	0	71	403	0	148	525
27	0	195	0	389	0	71	403	0	184	526

Pepacton Reservoir (P):	Available storage March 28, 2020 (0800) Spillway crest elevation 1,280.00 ft.	135.820 billion gallons 139.320 billion gallons	97.5%	1,278.09 (elev.ft.)
Cannonsville Reservoir (C):	Available storage March 28, 2020 (0800) Spillway crest elevation 1,150.00 ft.	90.959 billion gallons 93.448 billion gallons	97.3%	1,148.36 (elev.ft.)
Neversink Reservoir (N):	Available storage March 28, 2020 (0800) Spillway crest elevation 1,440.00 ft.	34.453 billion gallons 34.692 billion gallons	99.3%	1,439.52 (elev.ft.)
Combined contents, PCN:	Available storage March 28, 2020 (0800) Combined capacity at spillway level	261.232 billion gallons 267.460 billion gallons	97.7%	

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 ¹	Pepacton	Cannonsville	Neversink	Wallen- paupack	Rio Reservoir	Uncon- trolled ²	Discharge	(inches)	
									Daily	Cumulative
Mar 21	0	300	598	110	432	139	6,301	7,880	0.00	1.67
22	0	300	598	110	3	138	6,021	7,170	0.11	1.78
23	0	300	600	110	4	525	5,461	7,000	0.66	2.44
24	0	300	600	110	376	593	5,561	7,540	0.03	2.47
25	0	301	600	110	533	749	6,307	8,600	0.02	2.49
26	0	301	601	110	553	585	5,850	8,000	0.00	2.49
27	0	301	600	110	495	600	5,444	7,550	0.00	2.49

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 March 21st – March 27th 2020 averaged 91.7 MGD.

The average diversion for the 30-day period ending March 27th 2020 is 93.9 MGD, the maximum is 98 MGD.

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 Summary river data for March 28th – April 3rd, 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
Mar 28	0	194	0	389	0	71	403	0	0	525
29	0	194	0	390	25	95	403	0	148	525
30	0	194	0	390	61	95	344	0	186	525
31	0	195	0	390	41	123	303	172	185	526
Apr 1	0	195	0	391	112	123	303	229	0	526
2	0	195	0	391	103	123	303	279	0	526
3	0	195	0	399	94	123	303	300	0	526

Pepacton Reservoir (P):	Available storage April 4, 2020 (0800) Spillway crest elevation 1,280.00 ft.	138.340 billion gallons 139.320 billion gallons	99.3%	1,279.47 (elev.ft.)
Cannonsville Reservoir (C):	Available storage April 4, 2020 (0800) Spillway crest elevation 1,150.00 ft.	93.279 billion gallons 93.448 billion gallons	99.8%	1,149.89 (elev.ft.)
Neversink Reservoir (N):	Available storage April 4, 2020 (0800) Spillway crest elevation 1,440.00 ft.	34.791 billion gallons 34.692 billion gallons	100.3%	1,440.20 (elev.ft.)
Combined contents, PCN:	Available storage April 4, 2020 (0800) Combined capacity at spillway level	266.410 billion gallons 267.460 billion gallons	99.6%	

**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
Mar 28	0	301	601	110	538	312	4,827	6,690	0.49	2.96
29	0	301	602	110	0	175	6,452	7,640	0.16	3.12
30	0	301	602	110	3	614	8,470	10,100	0.27	3.39
31	0	301	603	110	675	632	8,142	10,500	<u>0.03</u>	<u>3.42</u>
Apr 1	0	301	604	147	675	601	7,602	9,930	0.00	0.00
2	0	301	604	147	424	476	6,985	8,980	0.02	0.02
3	0	301	604	190	675	488	5,732	7,990	0.09	0.11

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 Rio Reservoir.
- Diversions by New Jersey through the D&R Canal March 28th – April 3rd 2020 averaged 92.5 MGD.
 The average diversion for the 30-day period ending April 3rd 2020 is 93.4 MGD, the maximum is 98 MGD.