

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA
 Web address: <http://water.usgs.gov/osw/odrm>
 Summary river data for June 29th – July 5th, 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
June 29	0	248	0	392	0	123	397	0	142	441
30	0	145	0	353	0	122	437	0	148	445
July 1	0	110	0	353	0	114	447	0	148	431
2	0	110	0	353	0	81	447	0	148	436
3	0	110	0	352	0	81	334	191	149	444
4	0	110	0	352	0	81	298	229	149	451
5	0	110	0	390	0	81	297	229	148	457

Pepacton Reservoir (P):	Available storage July 6, 2019 (0800) Spillway crest elevation 1,280.00 ft.	134.650 billion gallons 139.320 billion gallons	96.6%	1,277.44 (elev.ft.)
Cannonsville Reservoir (C):	Available storage July 6, 2019 (0800) Spillway crest elevation 1,150.00 ft.	88.650 billion gallons 93.448 billion gallons	94.9%	1,146.81 (elev.ft.)
Neversink Reservoir (N):	Available storage July 6, 2019 (0800) Spillway crest elevation 1,440.00 ft.	33.374 billion gallons 34.692 billion gallons	96.2%	1,437.32 (elev.ft.)
Combined contents, PCN:	Available storage July 6, 2019 (0800) Combined capacity at spillway level	265.674 billion gallons 267.460 billion gallons	96.0%	
Lake Wallenpaupack:	Available storage July 5, 2019 (0800) Spillway crest elevation 1,190.00 ft.	277.75 billion gallons 35.451 billion gallons	78.3%	1185.96 (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
June 29	0	695	868	190	540	139	2,708	5,140	0.00	2.55
30	0	702	701	190	236	52	2,629	4,510	<u>0.03</u>	<u>2.58</u>
July 1	0	574	606	190	132	35	2,673	4,210	0.05	0.05
2	0	384	546	189	423	123	2,255	3,920	0.00	0.05
3	0	224	546	176	422	91	2,261	3,720	0.00	0.05
4	0	170	546	125	424	164	2,121	3,550	0.00	0.05
5	0	170	545	125	474	160	1,946	3,420	0.00	0.05

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 June 29th – July 5th, 2019 averaged 97.1 MGD.

The average diversion for the 30-day period ending July 5th 2019 is 89.5 MGD, the maximum is 99 MGD.

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 Web address: <http://water.usgs.gov/osw/odrm>
 Summary river data for July 6th – July 12th, 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 6	0	110	0	384	0	81	297	228	110	462
7	0	110	0	356	0	81	297	228	110	467
8	0	109	0	356	0	74	298	228	148	472
9	0	97	0	353	0	74	323	299	92	478
10	0	97	0	372	0	74	420	298	0	484
11	0	96	0	323	0	74	358	298	74	490
12	0	96	0	323	0	74	428	249	130	498

Pepacton Reservoir (P):	Available storage July 13, 2019 (0800) Spillway crest elevation 1,280.00 ft.	132.400 billion gallons 139.320 billion gallons	95.0%	1,276.19 (elev.ft.)
Cannonsville Reservoir (C):	Available storage July 13, 2019 (0800) Spillway crest elevation 1,150.00 ft.	85.367 billion gallons 93.448 billion gallons	91.4%	1,144.57 (elev.ft.)
Neversink Reservoir (N):	Available storage July 13, 2019 (0800) Spillway crest elevation 1,440.00 ft.	33.081 billion gallons 34.692 billion gallons	94.0%	1,435.74 (elev.ft.)
Combined contents, PCN:	Available storage July 13, 2019 (0800) Combined capacity at spillway level	250.377 billion gallons 267.460 billion gallons	93.6%	
Lake Wallenpaupack:	Available storage July 12, 2019 (0800) Spillway crest elevation 1,190.00 ft.	27.045 billion gallons 35.451 billion gallons	76.3%	1,185.52 (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 6	0	170	545	125	512	35	1,973	3,360	0.00	0.05
7	0	170	603	125	473	131	2,168	3,670	0.01	0.06
8	0	170	594	125	454	53	2,064	3,460	0.00	0.06
9	0	170	551	125	454	126	2,134	3,560	0.00	0.06
10	0	170	551	114	458	176	1,971	3,440	0.00	0.06
11	0	169	546	114	656	235	1,680	3,400	0.00	0.06
12	0	150	575	114	714	190	1,537	3,280	0.02	0.08

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 6th – July 12th, 2019 averaged 90.2 MGD.

The average diversion for the 30-day period ending July 12th 2019 is 89.0 MGD, the maximum is 99 MGD.

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 Web address: <http://water.usgs.gov/osw/odrm>
 Summary river data for July 13th – July 19th, 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 13	0	96	0	322	0	74	452	229	0	502
14	0	96	0	322	0	74	452	111	0	503
15	0	97	0	354	0	74	452	213	0	507
16	0	97	0	420	0	74	452	229	74	512
17	0	97	0	387	0	74	452	67	149	516
18	0	97	0	321	0	74	452	0	0	514
19	0	110	0	390	0	90	452	229	149	521

Pepacton Reservoir (P):	Available storage July 20, 2019 (0800) Spillway crest elevation 1,280.00 ft.	133.218 billion gallons 139.320 billion gallons	93.1%	1,274.89 (elev.ft.)
Cannonsville Reservoir (C):	Available storage July 20, 2019 (0800) Spillway crest elevation 1,150.00 ft.	83.818 billion gallons 93.448 billion gallons	88.8%	1,142.94 (elev.ft.)
Neversink Reservoir (N):	Available storage July 20, 2019 (0800) Spillway crest elevation 1,440.00 ft.	32.132 billion gallons 34.692 billion gallons	92.6%	1,434.74 (elev.ft.)
Combined contents, PCN:	Available storage July 20, 2019 (0800) Combined capacity at spillway level	244.900 billion gallons 267.460 billion gallons	91.6%	
Lake Wallenpaupack:	Available storage July 19, 2019 (0800) Spillway crest elevation 1,190.00 ft.	25.402 billion gallons 35.451 billion gallons	71.7%	1,184.64 (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 13	0	150	500	114	531	52	1,613	2,960	0.00	0.08
14	0	149	500	114	451	0	1,586	2,800	0.00	0.08
15	0	149	498	114	458	68	1,413	2,700	0.00	0.08
16	0	149	498	114	545	106	1,598	3,010	0.00	0.08
17	0	149	548	114	556	173	1,790	3,330	0.28	0.36
18	0	150	650	114	694	171	1,811	3,590	0.53	0.89
19	0	150	599	114	687	160	2,380	4,090	0.07	0.96

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 13th – July 19th, 2019 averaged 91.8 MGD.

The average diversion for the 30-day period ending July 19th 2019 is 92.7 MGD, the maximum is 99 MGD.

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 Summary river data for July 20th – July 26th, 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 20	0	113	0	514	0	91	451	228	167	527
21	0	100	0	457	0	74	451	228	149	533
22	0	97	0	323	0	74	314	66	0	530
23	0	97	0	324	0	74	303	237	0	530
24	0	97	0	322	0	74	382	299	0	533
25	0	97	0	323	0	74	402	298	0	536
26	0	97	0	322	0	74	402	298	0	539

Pepacton Reservoir (P):	Available storage July 27, 2019 (0800) Spillway crest elevation 1,280.00 ft.	127.540 billion gallons 139.320 billion gallons	91.5%	1,273.46 (elev.ft.)
Cannonsville Reservoir (C):	Available storage July 27, 2019 (0800) Spillway crest elevation 1,150.00 ft.	80.312 billion gallons 93.448 billion gallons	85.9%	1,141.03 (elev.ft.)
Neversink Reservoir (N):	Available storage July 27, 2019 (0800) Spillway crest elevation 1,440.00 ft.	31.681 billion gallons 34.692 billion gallons	91.3%	1,433.79 (elev.ft.)
Combined contents, PCN:	Available storage July 27, 2019 (0800) Combined capacity at spillway level	239.533 billion gallons 267.460 billion gallons	89.6%	
Lake Wallenpaupack:	Available storage July 26, 2019 (0800) Spillway crest elevation 1,190.00 ft.	24.307 billion gallons 35.451 billion gallons	68.6%	1,184.05(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 20	0	150	497	114	686	301	2,052	3,800	0.22	1.18
21	0	150	603	139	907	317	1,664	3,780	0.01	1.19
22	0	170	795	141	851	160	1,643	3,760	0.00	1.19
23	0	175	707	114	656	134	2,674	4,460	0.65	1.84
24	0	155	500	114	515	51	3,075	4,410	0.00	1.84
25	0	150	501	114	554	137	2,284	3,740	0.00	1.84
26	0	150	498	114	538	89	1,921	3,310	0.00	1.84

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 20th – July 26th, 2019 averaged 89.2 MGD.

The average diversion for the 30-day period ending July 26th 2019 is 92.5 MGD, the maximum is 99 MGD.