

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for May 27 - June 2, 2013 (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 June 1, 2012 /2013 to date
	release begin 1200	spill begin 0800	release end 2400	spill begin 0800	release begin 1500	spill begin 0800	beginning 0800	beginning 0800	beginning 0800	
May 27	58	220	130	0	42	30	282	0	160	604
28	60	324	131	52	47	151	296	0	0	604
29	82	589	149	252	65	207	190	0	0	602
30	27	1,468	162	1,325	65	158	272	0	150	602
31	86	1,108	263	1,265	67	79	21	171	331	602
June 1	97	956	643	1,000	71	0	151	201	223	575
2	97	681	295	770	71	0	174	127	223	550

Pepacton Reservoir (P):	Available storage June 3, 2013 (0800) Spillway crest elevation 1,280.00 ft.	141.227 billion gals. 100.7 % (elev. 1,280.56 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage June 3, 2013 (0800) Spillway crest elevation 1,150.00 ft.	97.895 billion gals. 102.3 % (elev. 1,151.36 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage June 3, 2013 (0800) Spillway crest elevation 1,440.00 ft.	34.715 billion gals. 99.4 % (elev. 1,439.54 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage June 3, 2013 (0800) Combined capacity at spillway level.	273.837 billion gals. 101.1 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage June 2, 2013 (2400) Spillway crest elevation 1,190.00 ft.	29.071 billion gals. 82.0 % (elev. 1,186.6 ft.) 35.451 billion gallons.

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 N.Y.C. Reservoirs				Power releases		Computed uncon- trolled ²	Total Discharge	Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	May 27	0	90	200	65	0	71	4,234	4,660	0
28	0	90	200	65	25	0	3,760	4,140	0	3.58
29	0	90	201	65	148	195	3,951	4,650	.58	4.16
30	0	90	203	73	346	195	5,003	5,910	.05	4.21
31	0	93	231	101	423	284	6,608	7,740	0	4.21
June 1	0	127	251	101	431	124	7,856	8,890	0	0
2	0	42	407	104	460	71	7,176	8,260	0	0

1. Release directed to maintain a flow at Montague of 1,750 cfs.

2. Includes conservation release of 100 cfs from Rio Reservoir and spills from Pepacton, Cannonsville, and Neversink Reservoirs.

Diversions by New Jersey through the D&R Canal May 27 - June 2, 2013 averaged 74.0 mgd. The average diversion for the 30-day period ending June 2, 2013 was 78.4 mgd and the maximum diversion was 89 mg on May 19, 2013.

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Summary river data for June 3 - 9, 2013 (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 June 1, 2013 to date
	release begin 1200	spill begin 0800	release end 2400	spill begin 0800	release begin 1500	spill begin 0800	beginning 0800	beginning 0800	beginning 0800	
June 3	97	611	180	771	72	0	173	202	202	526
4	97	413	213	606	82	0	173	202	202	539
5	97	311	310	424	90	0	173	201	25	511
6	97	269	391	285	90	0	0	25	0	430
7	97	325	391	259	90	0	0	0	0	368
8	97	302	392	229	90	0	237	93	0	364
9	97	163	390	139	90	2	298	201	0	379

Pepacton Reservoir (P):	Available storage June 10, 2013 (0800) Spillway crest elevation 1,280.00 ft.	140.505 billion gals. 100.2 % (elev. 1,280.17 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage June 10, 2013 (0800) Spillway crest elevation 1,150.00 ft.	96.301 billion gals. 100.6 % (elev. 1,150.37 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage June 10, 2013 (0800) Spillway crest elevation 1,440.00 ft.	34.956 billion gals. 100.0 % (elev. 1,440.03 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage June 10, 2013 (0800) Combined capacity at spillway level.	271.762 billion gals. 100.3 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage June 9, 2013 (2400) Spillway crest elevation 1,190.00 ft.	28.700 billion gals. 81.0 % (elev. 1,186.4 ft.) 35.451 billion gallons.

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 N.Y.C. Reservoirs				Power releases		Computed uncon- trolled ²	Total Discharge	Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	June 3	0	133	995	110	329	106	5,167	6,840	.35
4	0	150	456	110	312	177	4,645	5,850	0	.35
5	0	150	278	111	271	195	4,265	5,270	0	.35
6	0	150	330	127	333	0	3,750	4,690	0	.35
7	0	150	480	139	562	106	3,693	5,130	.51	.86
8	0	150	605	139	297	160	5,759	7,110	.82	1.68
9	0	150	605	139	0	106	5,180	6,180	.01	1.69

1. Release directed to maintain a flow at Montague of 1,750 cfs.

2. Includes conservation release of 100 cfs from Rio Reservoir and spills from Pepacton, Cannonsville, and Neversink Reservoirs.

Diversion by New Jersey through the D&R Canal June 3 - 9, 2013 are currently unavailable.

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Summary river data for June 10 - 16, 2013 (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 June 1, 2013 to date	
	release begin 1200	spill begin 0800	release end 2400	spill begin 0800	release begin 1500	spill begin 0800	beginning 0800	beginning 0800	beginning 0800		
June 10	97	189	391	94	90	296	4	8	0	342	
11	97	731	390	166	85	901	0	0	0	311	
12	53	914	390	288	40	500	0	0	0	285	
13	57	1,520	391	477	90	873	0	0	0	263	
14	39	2,522	392	991	90	1,137	0	0	0	244	
15	39	2,493	392	1,129	100	614	0	0	0	228	
16	39	1,883	523	989	123	352	0	0	0	214	

Pepacton Reservoir (P):	Available storage June 17, 2013 (0800) Spillway crest elevation 1,280.00 ft.	142.174 billion gals. 101.4 % (elev. 1,281.07 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage June 17, 2013 (0800) Spillway crest elevation 1,150.00 ft.	98.007 billion gals. 102.4 % (elev. 1,151.43 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage June 17, 2013 (0800) Spillway crest elevation 1,440.00 ft.	35.145 billion gals. 100.6 % (elev. 1,440.41 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage June 17, 2013 (0800) Combined capacity at spillway level.	275.326 billion gals. 101.7 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage June 16, 2013 (2400) Spillway crest elevation 1,190.00 ft.	28.886 billion gals. 81.5 % (elev. 1,186.5 ft.) 35.451 billion gallons.

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 N.Y.C. Reservoirs				Power releases		Computed uncon- trolled ²	Total Discharge	Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	June 10	0	150	606	139	8	177	4,420	5,500	.01
11	0	150	603	139	430	248	13,430	15,000	1.63	3.33
12	0	150	605	139	1,104	851	14,251	17,100	.09	3.42
13	0	150	603	131	1,600	851	11,665	15,000	.14	3.56
14	0	150	603	62	676	638	29,371	31,500	1.48	5.04
15	0	82	605	139	1,279	638	28,857	31,600	.13	5.17
16	0	88	606	139	1,079	851	20,037	22,800	0	5.17

1. Release directed to maintain a flow at Montague of 1,750 cfs.

2. Includes conservation release of 100 cfs from Rio Reservoir and spills from Pepacton, Cannonsville, and Neversink Reservoirs.

Diversion by New Jersey through the D&R Canal June 10 - 16, 2013 averaged 44.0 mgd.

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Summary river data for June 17 - 23, 2013 (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 June 1, 2013 to date
	release begin 1200	spill begin 0800	release end 2400	spill begin 0800	release begin 1500	spill begin 0800	beginning 0800	beginning 0800	beginning 0800	
June 17	115	1,400	926	650	123	234	0	0	0	201
18	426	905	969	389	123	93	220	0	185	212
19	452	293	968	194	123	6	382	0	199	232
20	452	98	969	38	123	0	127	245	198	249
21	305	28	916	0	95	0	288	210	199	270
22	211	2	590	0	71	0	297	202	199	290
23	203	0	454	0	71	0	298	200	199	307

Pepacton Reservoir (P):	Available storage June 24, 2013 (0800) Spillway crest elevation 1,280.00 ft.	139.914 billion gals. 99.8 % (elev. 1,279.85 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage June 24, 2013 (0800) Spillway crest elevation 1,150.00 ft.	94.428 billion gals. 98.7 % (elev. 1,149.16 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage June 24, 2013 (0800) Spillway crest elevation 1,440.00 ft.	34.355 billion gals. 98.3 % (elev. 1,438.81 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage June 24, 2013 (0800) Combined capacity at spillway level.	268.697 billion gals. 99.2 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage June 23, 2013 (2400) Spillway crest elevation 1,190.00 ft.	26.862 billion gals. 75.8 % (elev. 1,185.4 ft.) 35.451 billion gallons.

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 N.Y.C. Reservoirs				Power releases		Computed uncon- trolled ²	Total Discharge	Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	June 17	0	60	606	155	992	851	15,036	17,700	.01
18	0	60	809	190	887	851	11,603	14,400	.02	5.20
19	0	60	1,433	190	621	319	8,977	11,600	.20	5.40
20	0	178	1,499	190	984	337	6,692	9,880	0	5.40
21	0	659	1,497	190	836	408	4,670	8,260	0	5.40
22	0	699	1,499	190	471	372	3,539	6,770	0	5.40
23	0	699	1,417	147	520	230	2,407	5,420	0	5.40

1. Release directed to maintain a flow at Montague of 1,750 cfs.

2. Includes conservation release of 100 cfs from Rio Reservoir and spills from Pepacton, Cannonsville, and Neversink Reservoirs.

Diversion by New Jersey through the D&R Canal June 17 - 23, 2013 are currently unavailable.

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Summary river data for June 24 - 30, 2013 (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 June 1, 2013 to date
	release begin 1200	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800		
June 24	93	385	0	71	298	200	199	324	
25	91	324	0	71	404	43	50	330	
26	91	324	0	71	577	0	0	340	
27	91	324	0	71	125	0	0	332	
28	91	324	2	71	546	241	0	348	
29	91	325	75	71	329	444	0	363	
30	91	326	109	71	88	482	0	370	

Pepacton Reservoir (P):	Available storage July 1, 2013 (0800) Spillway crest elevation 1,280.00 ft.	139.436 billion gals. 99.5 % (elev. 1,279.59 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage July 1, 2013 (0800) Spillway crest elevation 1,150.00 ft.	96.301 billion gals. 100.6 % (elev. 1,150.37 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage July 1, 2013 (0800) Spillway crest elevation 1,440.00 ft.	34.710 billion gals. 99.3 % (elev. 1,439.53 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage July 1, 2013 (0800) Combined capacity at spillway level.	270.447 billion gals. 99.9 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage June 30, 2013 (2400) Spillway crest elevation 1,190.00 ft.	26.680 billion gals. 75.3 % (elev. 1,185.3 ft.) 35.451 billion gallons.

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 N.Y.C. Reservoirs				Power releases		Computed uncon- trolled ²	Total Discharge	Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	June 24	0	472	913	110	399	124	2,692	4,710	0
25	0	326	702	110	466	426	2,520	4,550	.05	5.45
26	0	314	596	110	516	319	2,435	4,290	.13	5.58
27	0	144	501	110	443	319	2,673	4,190	.11	5.69
28	0	141	501	110	396	851	12,101	14,100	2.30	7.99
29	0	141	501	110	1,523	53	17,772	20,100	.36	8.35
30	0	141	501	110	1,267	177	10,104	12,300	.04	8.39

1. Release directed to maintain a flow at Montague of 1,750 cfs.

2. Includes conservation release of 100 cfs from Rio Reservoir and spills from Cannonsville Reservoir.

Diversion by New Jersey through the D&R Canal June 24 - 30, 2013 averaged 91.0 mgd.