

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for October 31 - November 6, 2011 (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, 2011 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Oct. 31	438	146	123	0	478	0	463
Nov. 1	394	145	122	0	478	277	465
2	453	145	123	0	478	419	468
3	452	145	123	173	478	422	472
4	450	145	123	166	478	208	474
5	471	145	128	209	498	217	477
6	453	151	123	199	478	213	480

Pepacton Reservoir (P):	Available storage Nov. 7, 2011 (0800) Spillway crest elevation 1,280.00 ft.	136.781 billion gals. 97.6 % (elev. 1,278.14 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Nov. 7, 2011 (0800) Spillway crest elevation 1,150.00 ft.	85.210 billion gals. 89.0 % (elev. 1,143.00 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Nov. 7, 2011 (0800) Spillway crest elevation 1,440.00 ft.	32.905 billion gals. 94.2 % (elev. 1,435.81 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Nov. 7, 2011 (0800) Combined capacity at spillway level.	254.896 billion gals. 94.1 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Nov. 6, 2011 (2400) Spillway crest elevation 1,190.00 ft.	20.869 billion gals. 58.9 % (elev. 1,182.1 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.
	Oct. 31	0	701	231	190	1,034	319	5,135	7,610	.01
Nov. 1	0	701	227	190	454	426	5,132	7,130	0	0
2	0	701	226	190	404	426	5,183	7,130	0	0
3	0	678	224	189	380	390	4,979	6,840	0	0
4	0	610	224	190	383	426	4,887	6,720	0	0
5	0	701	224	190	416	408	4,301	6,240	0	0
6	0	699	224	190	0	301	4,116	5,530	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.

Diversion by New Jersey through the D&R Canal are currently unavailable.

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Summary river data for November 7 - 13, 2011 (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, 2011 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Nov. 7	453	145	123	203	478	212	482
8	453	145	123	200	477	203	485
9	452	145	123	192	477	215	487
10	452	145	123	201	477	210	490
11	454	145	123	201	477	0	491
12	453	145	123	200	477	0	492
13	453	145	123	200	477	0	493

Pepacton Reservoir (P):	Available storage Nov. 14, 2011 (0800) Spillway crest elevation 1,280.00 ft.	134.859 billion gals. 96.2 % (elev. 1,277.08 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Nov. 14, 2011 (0800) Spillway crest elevation 1,150.00 ft.	83.865 billion gals. 87.6 % (elev. 1,142.07 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Nov. 14, 2011 (0800) Spillway crest elevation 1,440.00 ft.	31.953 billion gals. 91.4 % (elev. 1,433.80 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Nov. 14, 2011 (0800) Combined capacity at spillway level.	250.677 billion gals. 92.6 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Nov. 13, 2011 (2400) Spillway crest elevation 1,190.00 ft.	20.869 billion gals. 58.9 % (elev. 1,182.1 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	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
							Daily	Cumul.		
Nov. 7	0	696	224	198	22	408	3,982	5,530	0	0
8	0	729	234	190	465	355	3,687	5,660	0	0
9	0	701	224	190	449	408	3,498	5,470	0	0
10	0	701	224	190	775	443	3,397	5,730	0	0
11	0	701	224	190	417	355	3,323	5,210	.15	.15
12	0	699	224	190	414	426	3,247	5,200	0	.15
13	0	699	224	190	0	426	3,091	4,630	0	.15

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

2. Includes conservation release of 100 cfs from Rio Reservoir.

Diversion by New Jersey through the D&R Canal are currently unavailable.

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Summary river data for November 14 - 20, 2011 (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, 2011 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Nov. 14	453	145	123	200	477	0	494
15	453	145	123	200	477	0	495
16	453	144	123	200	477	0	496
17	454	145	123	200	477	0	497
18	454	145	123	201	477	0	498
19	452	145	123	202	477	0	499
20	453	145	123	201	477	0	500

Pepacton Reservoir (P):	Available storage Nov. 21, 2011 (0800) Spillway crest elevation 1,280.00 ft.	132.880 billion gals. 94.8 % (elev. 1,275.98 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Nov. 21, 2011 (0800) Spillway crest elevation 1,150.00 ft.	82.507 billion gals. 86.2 % (elev. 1,141.13 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Nov. 21, 2011 (0800) Spillway crest elevation 1,440.00 ft.	31.846 billion gals. 91.1 % (elev. 1,433.57 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Nov. 21, 2011 (0800) Combined capacity at spillway level.	247.233 billion gals. 91.3 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Nov. 20, 2011 (2400) Spillway crest elevation 1,190.00 ft.	20.869 billion gals. 58.9 % (elev. 1,182.1 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	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
							Daily	Cumul.		
Nov. 14	0	702	224	190	11	337	2,976	4,440	0	.15
15	0	701	224	190	386	301	2,828	4,630	.18	.33
16	0	701	224	190	442	248	3,225	5,030	.04	.37
17	0	701	224	190	409	89	3,947	5,560	.39	.76
18	0	701	223	190	448	18	4,160	5,740	0	.76
19	0	701	224	190	431	53	3,551	5,150	0	.76
20	0	702	224	190	0	89	3,385	4,590	0	.76

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

2. Includes conservation release of 100 cfs from Rio Reservoir.

Diversion by New Jersey through the D&R Canal November 14 - 20, 2011, averaged 95.7 mgd.

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Summary river data for November 21 - 27, 2011 (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, 2011 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Nov. 21	413	144	123	201	477	0	501
22	425	144	123	201	476	0	502
23	454	144	123	201	477	0	503
24	454	145	123	202	478	0	504
25	453	146	123	202	478	0	505
26	453	145	124	201	478	0	506
27	453	145	123	201	478	0	507

Pepacton Reservoir (P):	Available storage Nov. 28, 2011 (0800) Spillway crest elevation 1,280.00 ft.	134.624 billion gals. 96.0 % (elev. 1,276.95 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Nov. 28, 2011 (0800) Spillway crest elevation 1,150.00 ft.	85.253 billion gals. 89.1 % (elev. 1,143.03 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Nov. 28, 2011 (0800) Spillway crest elevation 1,440.00 ft.	32.572 billion gals. 93.2 % (elev. 1,435.11 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Nov. 28, 2011 (0800) Combined capacity at spillway level.	252.449 billion gals. 93.2 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Nov. 27, 2011 (2400) Spillway crest elevation 1,190.00 ft.	22.847 billion gals. 64.4 % (elev. 1,183.2 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	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
							Daily	Cumul.		
Nov. 21	0	702	224	190	31	319	3,374	4,840	0	.76
22	0	699	224	190	523	426	3,068	5,130	0	.76
23	0	701	223	190	479	355	11,252	13,200	1.58	2.34
24	0	639	223	190	439	603	17,906	20,000	.06	2.40
25	0	657	223	190	200	266	11,864	13,400	0	2.40
26	0	702	224	190	444	319	8,921	10,800	0	2.40
27	0	702	226	190	525	284	7,593	9,520	0	2.40

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

2. Includes conservation release of 100 cfs from Rio Reservoir.

Diversion by New Jersey through the D&R Canal November 21 - 27, 2011, averaged 109.0 mgd.