

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for July 27 - August 2, 2009 (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, 2009 to date
	release begin 1200	release end 2400	spill begin 0800	release begin 1500	spill begin 0800	beginning 0800	beginning 0800	beginning 0800		
July 27	97	228	0	71	0	451	201	0	450	
28	97	228	0	71	0	450	201	0	453	
29	97	228	0	72	0	390	159	0	455	
30	154	228	1	81	0	0	0	0	447	
31	162	468	293	92	568	0	0	0	440	
Aug. 1	162	967	839	123	385	0	0	0	433	
2	162	969	779	123	388	0	0	0	426	

Pepacton Reservoir (P):	Available storage Aug. 3, 2009 (0800)	139.050 billion gals.	99.2 % (elev. 1,279.38 ft.)
	Spillway crest elevation 1,280.00 ft.	140.190 billion gallons.	
Cannonsville Reservoir (C):	Available storage Aug. 3, 2009 (0800)	97.782 billion gals.	102.2 % (elev. 1,151.29 ft.)
	Spillway crest elevation 1,150.00 ft.	95.706 billion gallons.	
Neversink Reservoir (N):	Available storage Aug. 3, 2009 (0800)	35.185 billion gals.	100.7 % (elev. 1,440.49 ft.)
	Spillway crest elevation 1,440.00 ft.	34.941 billion gallons.	
Combined contents, PCN:	Available storage Aug. 3, 2009 (0800)	272.017 billion gals.	100.4 %
	Combined capacity at spillway level.	270.837 billion gallons.	
Lake Wallenpaupack:	Available storage Aug. 2, 2009 (2400)	22.124 billion gals.	62.4 % (elev. 1,182.8 ft.)
	Spillway crest elevation 1,190.00 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.		
July 27	0	149	353	110	1	53	1,714	2,380	.01	3.87
28	0	150	353	110	343	142	1,562	2,660	.02	3.89
29	0	150	353	110	383	248	1,526	2,770	.02	3.91
30	0	150	353	110	370	213	9,404	10,600	2.21	6.12
31	0	150	353	111	864	816	13,406	15,700	.20	6.32
Aug. 1	0	150	353	125	676	851	20,045	22,200	.78	.78
2	0	238	724	142	321	851	14,924	17,200	.02	.80

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

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

Diversions by New Jersey through the D&R Canal July 27 - August 2, 2009 averaged 77.0 mgd. The average diversion for the 30-day period ending August 2, 2009 was 85.2 mgd and the maximum diversion during the period was 93 mgd on July 21, 2009.

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Summary river data for August 3 - 9, 2009 (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, 2009 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		
Aug. 3	165	0	969	649	123	290	0	0	0	419	
4	266	3	968	633	123	79	0	0	242	417	
5	396	12	967	167	123	0	264	0	310	419	
6	453	0	966	47	110	0	300	0	308	422	
7	455	0	966	5	81	0	450	0	212	425	
8	455	0	965	0	81	0	450	0	214	429	
9	453	0	964	0	81	0	450	0	215	432	

Pepacton Reservoir (P):	Available storage Aug. 10, 2009 (0800) Spillway crest elevation 1,280.00 ft.	139.234 billion gals. 99.3 % (elev. 1,279.48 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Aug. 10, 2009 (0800) Spillway crest elevation 1,150.00 ft.	95.554 billion gals. 99.8 % (elev. 1,149.90 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Aug. 10, 2009 (0800) Spillway crest elevation 1,440.00 ft.	34.199 billion gals. 97.9 % (elev. 1,438.49 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Aug. 10, 2009 (0800) Combined capacity at spillway level.	268.987 billion gals. 99.3 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Aug. 9, 2009 (2400) Spillway crest elevation 1,190.00 ft.	21.228 billion gals. 59.9 % (elev. 1,182.3 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.
	Aug. 3	0	251	1,496	190	370	851	14,842	18,000	.35
4	0	251	1,499	190	578	390	9,892	12,800	0	1.15
5	0	251	1,499	190	800	798	6,962	10,500	.01	1.16
6	0	255	1,497	190	548	638	5,302	8,430	0	1.16
7	0	412	1,496	190	558	603	4,281	7,540	0	1.16
8	0	613	1,494	170	640	213	3,080	6,210	0	1.16
9	0	701	1,494	125	0	0	2,820	5,140	.03	1.19

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

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

Diversions by New Jersey through the D&R Canal August 3 - 9, 2009 averaged 90.6 mgd. The average diversion for the 30-day period ending August 9, 2009 was 85.6 mgd and the maximum diversion during the period was 101 mgd on August 5, 2009.

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Summary river data for August 10 - 16, 2009 (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, 2009 to date
	release begin 1200	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Aug. 10	452	968	53	81	449	0	211	435
11	452	969	135	81	451	0	210	439
12	453	969	107	81	451	0	211	442
13	453	970	62	81	450	0	211	445
14	453	969	9	81	448	0	213	447
15	453	967	0	81	448	0	211	450
16	448	971	0	81	447	0	213	453

Pepacton Reservoir (P):	Available storage Aug. 17, 2009 (0800) Spillway crest elevation 1,280.00 ft.	136.326 billion gals. 97.2 % (elev. 1,277.89 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Aug. 17, 2009 (0800) Spillway crest elevation 1,150.00 ft.	94.596 billion gals. 98.8 % (elev. 1,149.27 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Aug. 17, 2009 (0800) Spillway crest elevation 1,440.00 ft.	33.727 billion gals. 96.5 % (elev. 1,437.52 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Aug. 17, 2009 (0800) Combined capacity at spillway level.	264.649 billion gals. 97.7 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Aug. 16, 2009 (2400) Spillway crest elevation 1,190.00 ft.	20.511 billion gals. 57.9 % (elev. 1,181.9 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.
	Aug. 10	0	704	1,493	125	32	270	8,476	11,100	1.27
11	0	704	1,491	125	602	809	20,269	24,000	.49	2.95
12	0	701	1,497	125	541	809	12,627	16,300	0	2.95
13	0	699	1,499	125	597	809	8,671	12,400	.44	3.39
14	0	699	1,499	125	567	809	7,301	11,000	.20	3.59
15	0	701	1,501	125	598	809	5,346	9,080	0	3.59
16	0	701	1,499	125	19	809	4,387	7,540	0	3.59

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

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

Diversions by New Jersey through the D&R Canal August 10 - 16, 2009 averaged 93.9 mgd. The average diversion for the 30-day period ending August 16, 2009 was 87.1 mgd and the maximum diversion during the period was 101 mg on August 5 and 13, 2009.

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Summary river data for August 17 - 23, 2009 (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, 2009 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Aug. 17	363	972	81	450	0	218	456
18	282	971	81	450	0	103	457
19	194	969	81	449	0	105	458
20	161	969	81	449	0	103	459
21	161	967	81	169	0	175	458
22	162	966	81	0	0	0	452
23	161	882	81	414	0	0	452

Pepacton Reservoir (P):	Available storage Aug. 24, 2009 (0800) Spillway crest elevation 1,280.00 ft.	134.805 billion gals. 96.2 % (elev. 1,277.05 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Aug. 24, 2009 (0800) Spillway crest elevation 1,150.00 ft.	91.690 billion gals. 95.8 % (elev. 1,147.36 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Aug. 24, 2009 (0800) Spillway crest elevation 1,440.00 ft.	33.659 billion gals. 96.3 % (elev. 1,437.38 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Aug. 24, 2009 (0800) Combined capacity at spillway level.	260.154 billion gals. 96.1 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Aug. 23, 2009 (2400) Spillway crest elevation 1,190.00 ft.	19.973 billion gals. 56.3 % (elev. 1,181.6 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.
	Aug. 17	0	701	1,496	125	22	667	3,729	6,740	.03
18	0	701	1,502	125	612	152	3,008	6,100	0	3.62
19	0	693	1,504	125	611	0	2,687	5,620	.12	3.74
20	0	562	1,502	125	618	0	2,563	5,370	.06	3.80
21	0	436	1,499	125	673	220	2,597	5,550	.01	3.81
22	0	300	1,499	125	517	539	6,510	9,490	.88	4.69
23	0	249	1,496	125	0	504	10,726	13,100	.54	5.23

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 August 17 - 23, 2009 averaged 83.6 mgd. The average diversion for the 30-day period ending August 23, 2009 was 86.5 mgd and the maximum diversion during the period was 101 mg on August 5 and 13, 2009.

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Summary river data for August 24 - 30, 2009 (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, 2009 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Aug. 24	162	537	81	443	198	235	457
25	162	389	81	312	200	102	459
26	162	315	81	307	199	102	460
27	162	267	81	300	200	104	462
28	162	228	81	298	200	171	464
29	162	228	81	297	200	0	465
30	165	228	81	302	200	0	465

Pepacton Reservoir (P):	Available storage Aug. 31, 2009 (0800) Spillway crest elevation 1,280.00 ft.	133.653 billion gals. 95.3 % (elev. 1,276.41 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Aug. 31, 2009 (0800) Spillway crest elevation 1,150.00 ft.	91.629 billion gals. 95.7 % (elev. 1,147.32 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Aug. 31, 2009 (0800) Spillway crest elevation 1,440.00 ft.	33.293 billion gals. 95.3 % (elev. 1,436.62 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Aug. 31, 2009 (0800) Combined capacity at spillway level.	258.575 billion gals. 95.5 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Aug. 30, 2009 (2400) Spillway crest elevation 1,190.00 ft.	18.898 billion gals. 53.3 % (elev. 1,181.0 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.		
Aug. 24	0	249	1,494	125	432	809	7,191	10,300	.02	5.25
25	0	251	1,364	125	606	809	4,675	7,830	0	5.25
26	0	249	831	125	634	617	3,734	6,190	0	5.25
27	0	251	602	125	576	585	3,221	5,360	.04	5.29
28	0	251	487	125	612	585	2,880	4,940	.01	5.30
29	0	251	413	125	454	433	2,984	4,660	.62	5.92
30	0	251	353	125	0	0	4,271	5,000	.20	6.12

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

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

Diversions by New Jersey through the D&R Canal August 24 - 30, 2009 averaged 84.9 mgd. The average diversion for the 30-day period ending August 30, 2009 was 86.6 mgd and the maximum diversion during the period was 101 mg on August 5 and 13, 2009.