

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for August 1 - 7, 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	
Aug. 1	91	323	71	451	0	205	594
2	91	323	71	451	0	203	595
3	91	322	71	452	0	199	596
4	90	322	72	452	0	196	596
5	90	323	71	451	200	197	600
6	90	324	71	452	202	198	604
7	91	325	71	451	201	197	607

Pepacton Reservoir (P):	Available storage Aug. 8, 2011 (0800) Spillway crest elevation 1,280.00 ft.	128.075 billion gals. 91.4 % (elev. 1,273.27 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Aug. 8, 2011 (0800) Spillway crest elevation 1,150.00 ft.	83.099 billion gals. 86.8 % (elev. 1,141.54 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Aug. 8, 2011 (0800) Spillway crest elevation 1,440.00 ft.	30.533 billion gals. 87.4 % (elev. 1,430.74 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Aug. 8, 2011 (0800) Combined capacity at spillway level.	241.707 billion gals. 89.2 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Aug. 7, 2011 (2400) Spillway crest elevation 1,190.00 ft.	21.944 billion gals. 61.9 % (elev. 1,182.7 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 <sup>2</sup>	Total Discharge	Precipitation (inches)	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	Aug. 1	0	141	500	110	427	124	1,648	2,950	.01
2	0	141	498	111	482	266	1,402	2,900	.18	.19
3	0	141	500	110	425	160	1,334	2,670	0	.19
4	0	141	500	110	238	0	1,751	2,740	.82	1.01
5	0	141	498	110	113	0	2,118	2,980	.01	1.02
6	0	141	498	111	338	0	1,802	2,890	0	1.02
7	0	139	500	110	119	71	6,431	7,370	1.65	2.67

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

2. Includes conservation release of 60 cfs from Rio Reservoir.

Diversions by New Jersey through the Delaware and Raritan Canal August 1 - 7, 2011, averaged 90.9 mgd. The average diversion for the 30-day period ending August 7, 2011 was 95.7 and the maximum daily diversion was 108 mg on July 13, 2011.

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Summary river data for August 8 - 14, 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	
Aug. 8	91	324	71	438	201	0	608
9	91	324	71	305	144	0	606
10	91	324	71	451	16	0	604
11	91	324	71	451	0	0	602
12	91	324	71	451	0	0	600
13	91	322	71	0	0	0	591
14	91	323	71	0	0	0	584

Pepacton Reservoir (P):	Available storage Aug. 15, 2011 (0800) Spillway crest elevation 1,280.00 ft.	126.447 billion gals. 90.2 % (elev. 1,272.34 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Aug. 15, 2011 (0800) Spillway crest elevation 1,150.00 ft.	81.423 billion gals. 85.1 % (elev. 1,140.38 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Aug. 15, 2011 (0800) Spillway crest elevation 1,440.00 ft.	30.612 billion gals. 87.6 % (elev. 1,430.91 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Aug. 15, 2011 (0800) Combined capacity at spillway level.	238.482 billion gals. 88.1 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Aug. 14, 2011 (2400) Spillway crest elevation 1,190.00 ft.	21.586 billion gals. 60.9 % (elev. 1,182.5 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 <sup>2</sup>	Total Discharge	Precipitation	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
							Daily	Cumul.		
Aug. 8	0	139	501	110	21	124	7,655	8,550	.38	3.05
9	0	139	503	110	426	337	5,665	7,180	.02	3.07
10	0	141	501	110	410	372	5,156	6,690	.48	3.55
11	0	141	501	110	362	621	5,005	6,740	.10	3.65
12	0	141	501	110	421	674	3,783	5,630	0	3.65
13	0	141	501	110	495	674	2,919	4,840	0	3.65
14	0	141	501	110	517	709	2,712	4,690	.40	4.05

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

2. Includes conservation release of 60 cfs from Rio Reservoir.

Diversions by New Jersey through the Delaware and Raritan Canal August 8 - 14, 2011, averaged 89.7 mgd. The average diversion for the 30-day period ending August 14, 2011 was 91.9 and the maximum daily diversion was 106 mg on July 19 and 20, 2011.

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Summary river data for August 15 - 21, 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	
Aug. 15	96	323	74	144	0	0	578
16	97	352	123	0	0	0	570
17	96	388	97	0	0	345	567
18	96	387	91	4	0	449	566
19	97	387	91	476	0	207	567
20	96	387	91	500	0	211	569
21	97	387	91	500	0	208	571

Pepacton Reservoir (P):	Available storage Aug. 22, 2011 (0800) Spillway crest elevation 1,280.00 ft.	129.784 billion gals. 92.6 % (elev. 1,274.24 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Aug. 22, 2011 (0800) Spillway crest elevation 1,150.00 ft.	80.502 billion gals. 84.1 % (elev. 1,139.73 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Aug. 22, 2011 (0800) Spillway crest elevation 1,440.00 ft.	31.724 billion gals. 90.8 % (elev. 1,433.31 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Aug. 22, 2011 (0800) Combined capacity at spillway level.	242.010 billion gals. 89.4 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Aug. 21, 2011 (2400) Spillway crest elevation 1,190.00 ft.	21.048 billion gals. 59.4 % (elev. 1,182.2 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 <sup>2</sup>	Total Discharge	Precipitation (inches)	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	Aug. 15	0	141	498	110	475	638	5,048	6,910	.52
16	0	141	500	110	483	851	11,015	13,100	1.43	6.00
17	0	141	500	114	486	851	10,508	12,600	.10	6.10
18	0	149	545	190	354	851	6,591	8,680	.04	6.14
19	0	150	600	150	293	851	4,796	6,840	.02	6.16
20	0	149	599	141	210	851	4,800	6,750	.33	6.49
21	0	149	599	141	285	674	4,002	5,850	0	6.49

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 Delaware and Raritan Canal August 15 - 21, 2011, averaged 97.3 mgd. The average diversion for the 30-day period ending August 21, 2011 was 90.3 and the maximum daily diversion was 106 mgd on August 16, 2011.

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

Summary river data for August 22 - 28, 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	spill begin 0800	release end 2400		release begin 1500	spill begin 0800	beginning 0800	beginning 0800	beginning 0800		
Aug. 22	316	0	387		91	0	498	0	71	571	
23	417	0	387		96	0	301	0	0	568	
24	452	0	387		122	0	300	0	0	564	
25	452	0	386		123	0	1	0	104	559	
26	445	0	386		112	0	0	0	0	553	
27	107	0	386		70	0	0	0	0	546	
28	70	3,404	365		36	3,712	0	0	0	540	

Pepacton Reservoir (P):	Available storage Aug. 29, 2011 (0800) Spillway crest elevation 1,280.00 ft.	145.341 billion gals. 103.7 % (elev. 1,282.76 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Aug. 29, 2011 (0800) Spillway crest elevation 1,150.00 ft.	87.623 billion gals. 91.6 % (elev. 1,144.67 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Aug. 29, 2011 (0800) Spillway crest elevation 1,440.00 ft.	35.658 billion gals. 102.1 % (elev. 1,441.44 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Aug. 29, 2011 (0800) Combined capacity at spillway level.	268.622 billion gals. 99.2 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Aug. 28, 2011 (2400) Spillway crest elevation 1,190.00 ft.	25.585 billion gals. 72.2 % (elev. 1,184.7 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 <sup>2</sup>	Total Discharge	Precipitation (inches)	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	Aug. 22	0	150	599	141	164	674	3,342	5,070	.21
23	0	149	599	141	212	426	3,223	4,750	0	6.70
24	0	150	599	141	177	461	3,072	4,600	0	6.70
25	0	489	599	149	213	674	2,616	4,740	.02	6.72
26	0	645	599	189	622	851	2,564	5,470	.32	7.04
27	0	699	597	190	1,453	851	2,770	6,560	.01	7.05
28	0	699	597	173	1,416	851	37,064	40,800	3.75	10.80

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 22 - 28, 2011 averaged 79.8 mgd. The average diversion for the 30-day period ending August 28, 2011 was 88.8 mgd and the maximum diversion during the period was 106 mg on August 16, 2011.