

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for November 4 -10, 2002 (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			Average June 1, 2002 to date
	Pepacton	Cannonsville	Neversink	Pepacton	Cannonsville	Neversink	
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Nov. 4	31	30	16	0	296	0	638
5	31	36	16	0	297	0	636
6	30	36	16	0	296	0	634
7	30	29	16	0	296	0	632
8	30	30	16	0	296	124	630
9	30	30	16	300	0	173	629
10	30	30	16	300	0	188	628

Pepacton Reservoir (P):	Available storage Nov. 11, 2002 (0800)	89.374 billion gals. 63.8% (elev. 1,249.20 ft.)
	Spillway crest elevation 1,280.00 ft.	140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Nov. 11, 2002 (0800)	47.124 billion gals. 49.2 % (elev. 1,113.28 ft.)
	Spillway crest elevation 1,150.00 ft.	95.706 billion gallons.
Neversink Reservoir (N):	Available storage Nov. 11, 2002 (0800)	23.350 billion gals. 66.8 % (elev. 1,413.91 ft.)
	Spillway crest elevation 1,440.00 ft.	34.941 billion gallons.
Combined contents, PCN:	Available storage Nov. 11, 2002 (0800)	159.848 billion gals. 59.0 %
	Combined capacity at spillway level	270.837 billion gallons.
Lake Wallenpaupack:	Available storage Nov. 10, 2002 (2400)	21.765 billion gals. 61.4 % (elev. 1,182.6 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 <sup>2</sup>	Total Discharge	Precipitation	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
									Daily	Cumul.
Nov. 4	0	46	46	25	0	301	2,602	3,020	0	.04
5	0	46	46	25	4	234	2,455	2,810	.01	.05
6	0	46	46	25	2	14	2,827	2,960	.61	.66
7	0	48	56	25	0	348	3,873	4,350	.02	.68
8	0	48	56	25	52	85	3,954	4,220	0	.68
9	0	46	45	25	131	362	3,181	3,790	0	.68
10	0	46	46	25	0	0	3,063	3,180	0	.68

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 D & R Canal, November 4 - 10, 2002, averaged 92.6 mgd. The average diversion for the 30-day period ending November 10, 2002 was 91.5 mgd and the maximum diversion was 96 mgd on October 22, 23, and November 10, 2002.

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Summary river data for November 11 -17, 2002 (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			Average June 1, 2002 to date
	Pepacton	Cannonsville	Neversink	Pepacton	Cannonsville	Neversink	
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Nov. 11	30	30	16	300	0	151	627
12	30	30	16	321	0	146	626
13	30	30	16	300	0	157	625
14	30	30	16	300	0	116	624
15	30	30	16	300	0	110	623
16	30	30	16	300	0	169	622
17	30	29	16	283	0	144	621

Pepacton Reservoir (P):	Available storage Nov. 18, 2002 (0800) Spillway crest elevation 1,280.00 ft.	92.175 billion gals. 65.8% (elev. 1,251.11 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Nov. 18, 2002 (0800) Spillway crest elevation 1,150.00 ft.	52.024 billion gals. 54.4 % (elev. 1,117.56 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Nov. 18, 2002 (0800) Spillway crest elevation 1,440.00 ft.	23.947 billion gals. 68.5 % (elev. 1,415.40 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Nov. 18, 2002 (0800) Combined capacity at spillway level	168.146 billion gals. 62.1 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Nov. 17, 2002 (2400) Spillway crest elevation 1,190.00 ft.	25.037 billion gals. 70.6 % (elev. 1,184.4 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 <sup>2</sup>	Total Discharge	Precipitation	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
									Daily	Cumul.
Nov. 11	0	46	46	25	0	50	2,933	3,100	.01	.69
12	0	46	46	25	0	174	2,899	3,190	.11	.80
13	0	46	46	25	0	142	4,221	4,480	.66	1.46
14	0	46	46	25	30	124	5,469	5,740	0	1.46
15	0	46	46	25	0	0	4,873	4,990	0	1.46
16	0	46	46	25	0	426	4,317	4,860	.09	1.55
17	0	46	46	25	0	284	8,079	8,480	.92	2.47

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 D & R Canal, November 11 - 17, 2002, averaged 88.0 mgd. The average diversion for the 30-day period ending November 17, 2002 was 90.9 mgd and the maximum diversion was 97 mg on November 11, 2002.

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Summary river data for November 18 - 24, 2002 (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			Average June 1, 2002 to date
	Pepacton	Cannonsville	Neversink	Pepacton	Cannonsville	Neversink	
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Nov. 18	30	30	16	300	0	138	620
19	30	30	16	303	0	170	619
20	30	29	16	300	0	84	618
21	30	29	16	305	0	218	617
22	30	29	16	305	0	181	616
23	30	30	16	0	0	0	613
24	30	30	16	0	0	0	609

Pepacton Reservoir (P):	Available storage Nov. 25, 2002 (0800) Spillway crest elevation 1,280.00 ft.	98.092 billion gals. 70.0% (elev. 1,255.04 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Nov. 25, 2002 (0800) Spillway crest elevation 1,150.00 ft.	60.524 billion gals. 63.2 % (elev. 1,124.63 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Nov. 25, 2002 (0800) Spillway crest elevation 1,440.00 ft.	25.189 billion gals. 72.1 % (elev. 1,418.44 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Nov. 25, 2002 (0800) Combined capacity at spillway level	183.805 billion gals. 67.9 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Nov. 24, 2002 (2400) Spillway crest elevation 1,190.00 ft.	28.514 billion gals. 80.4 % (elev. 1,186.3 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 <sup>2</sup>	Total Discharge	Precipitation	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
									Daily	Cumul.
Nov. 18	0	46	46	25	0	560	14,423	15,100	.49	2.96
19	0	46	45	25	247	911	12,926	14,200	.03	2.99
20	0	46	46	25	174	975	10,134	11,400	.02	3.01
21	0	46	46	25	203	965	8,715	10,000	0	3.01
22	0	46	45	25	174	851	8,389	9,530	.11	3.12
23	0	46	45	25	202	851	9,531	10,700	.26	3.38
24	0	46	45	25	135	851	9,598	10,700	0	3.38

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 D & R Canal, November 18 - 24, 2002, averaged 88.6 mgd. The average diversion for the 30-day period ending November 24, 2002 was 89.4 mgd and the maximum diversion was 97 mgd on November 11, 2002.

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Summary river data for November 25 - December 1, 2002 (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			Average June 1, 2002 to date
	Pepacton	Cannonsville	Neversink	Pepacton	Cannonsville	Neversink	
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Nov. 25	30	30	16	0	0	0	606
26	30	30	16	0	0	0	602
27	30	30	16	0	0	0	599
28	30	30	16	0	0	0	596
29	30	30	16	0	0	0	593
30	30	30	16	0	0	0	589
Dec. 1	30	30	16	0	0	0	586

Pepacton Reservoir (P):	Available storage Dec. 2, 2002 (0800)	102.601 billion gals. 73.2% (elev. 1,257.95 ft.)
	Spillway crest elevation 1,280.00 ft.	140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Dec. 2, 2002 (0800)	66.057 billion gals. 69.0 % (elev. 1,128.99 ft.)
	Spillway crest elevation 1,150.00 ft.	95.706 billion gallons.
Neversink Reservoir (N):	Available storage Dec. 2, 2002 (0800)	26.165 billion gals. 74.9 % (elev. 1,420.78 ft.)
	Spillway crest elevation 1,440.00 ft.	34.941 billion gallons.
Combined contents, PCN:	Available storage Dec. 2, 2002 (0800)	194.823 billion gals. 71.9 %
	Combined capacity at spillway level	270.837 billion gallons.
Lake Wallenpaupack:	Available storage Dec. 1, 2002 (2400)	29.071 billion gals. 82.0 % (elev. 1,186.6 ft.)
	Spillway crest elevation 1,190.00 ft.	35.451 billion gallons.

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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.
Nov. 25	0	46	46	25	275	567	8,281	9,240	0	3.38
26	0	46	46	25	524	422	6,997	8,060	0	3.38
27	0	46	46	25	527	426	6,300	7,370	.27	3.65
28	0	46	46	25	510	426	5,627	6,680	.02	3.67
29	0	46	46	25	248	53	5,242	5,660	0	3.67
30	0	46	46	25	221	53	4,779	5,170	0	3.67
Dec. 1	0	46	46	25	236	124	4,463	4,940	.03	.03

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 D & R Canal, November 25 - December 1, 2002, averaged 94.9 mgd. The average diversion for the 30-day period ending December 1, 2002 was 90.9 mgd and the maximum diversion was 97 mgd on November 11, 2002.