

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for December 3-9, 2001 (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
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	Dec.1, 2001 to date
Dec. 3	4	10	3	497	0	0	497
4	4	9	3	495	0	0	497
5	12	8	3	497	0	0	497
6	135	30	10	497	0	0	497
7	36	30	16	496	0	0	497
8	4	29	16	495	0	0	496
9	193	7	4	495	0	0	496

Pepacton Reservoir (P):	Available storage December 10, 2001 (0800) Spillway crest elevation 1,280.00 ft.	50.552 billion gals. 36.1 % (elev. 1,218.32 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage December 10, 2001 (0800) Spillway crest elevation 1,150.00 ft.	4.410 billion gals. 4.6 % (elev. 1,055.30 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage December 10, 2001 (0800) Spillway crest elevation 1,440.00 ft.	11.888 billion gals. 34.0 % (elev. 1,380.22 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage December 10, 2001 (0800) Combined capacity at spillway level	66.850 billion gals. 24.7 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage December 9, 2001 (2400) Spillway crest elevation 1,190.00 ft.	16.962 billion gals. 47.8 % (elev. 1,179.9 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 <sup>2</sup>	Total Discharge	Precipitation	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
									Daily	Cumul.
Dec. 3	398	362	31	5	0	0	1,882	2,280	0	.52
4	0	15	15	5	0	0	1,665	1,700	0	.52
5	0	6	15	5	0	0	1,434	1,460	.01	.53
6	0	6	14	5	0	0	1,315	1,340	0	.53
7	0	6	12	5	59	0	1,168	1,250	.01	.54
8	80	19	46	15	109	117	1,114	1,420	0	.54
9	281	209	46	25	0	0	1,030	1,310	.50	1.04

1. Release directed to maintain a flow at Montague of 1,550 cfs, December 3; 1,350 cfs, December 4-9, 2001.

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

Diversions by New Jersey through the D & R Canal, December 3-9, 2001, averaged 62.3 mgd. The average diversion during drought, December 1-9, 2001 was 62.1 mgd and the maximum diversion during the period was 65 mg December 9, 2001.

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Summary river data for December 10-16, 2001 (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 Dec.1, 2001 to date
	Pepacton	Cannonsville	Neversink	Pepacton	Cannonsville	Neversink	
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Dec. 10	23	29	16	495	0	0	496
11	14	22	4	497	0	0	496
12	12	18	3	497	0	0	496
13	4	29	3	498	0	0	496
14	4	5	3	497	0	0	496
15	4	5	3	0	0	91	469
16	4	5	3	18	0	88	447

Pepacton Reservoir (P):	Available storage December 17, 2001 (0800) Spillway crest elevation 1,280.00 ft.	46.467 billion gals. 33.1 % (elev. 1,214.49 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage December 17, 2001 (0800) Spillway crest elevation 1,150.00 ft.	5.062 billion gals. 5.3 % (elev. 1,057.03 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage December 17, 2001 (0800) Spillway crest elevation 1,440.00 ft.	12.275 billion gals. 35.1 % (elev. 1,381.59 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage December 17, 2001 (0800) Combined capacity at spillway level	63.804 billion gals. 23.6 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage December 16, 2001 (2400) Spillway crest elevation 1,190.00 ft.	17.138 billion gals. 48.3 % (elev. 1,180.0 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 <sup>2</sup>	Total Discharge	Precipitation	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
									Daily	Cumul.
Dec. 10	126	56	45	25	0	0	1,134	1,260	.04	1.08
11	0	6	11	6	0	0	1,147	1,170	0	1.08
12	370	299	45	25	0	0	861	1,230	0	1.08
13	76	36	34	6	221	0	1,093	1,390	.09	1.17
14	54	22	28	5	123	0	1,072	1,250	.02	1.19
15	68	19	45	5	132	106	1,273	1,580	.33	1.52
16	0	6	8	5	0	0	1,981	2,000	0	1.52

1. Release directed to maintain a flow at Montague of 1,350 cfs.

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

Diversions by New Jersey through the D & R Canal, December 10-16, 2001, averaged 63.7 mgd. The average diversion during drought, December 1-16, 2001 was 62.8 mgd and the maximum diversion during the period was 65 mgd on December 9-10 and 16, 2001.

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Summary river data for December 17-23, 2001 (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 Dec.1, 2001 to date
	Pepacton	Cannonsville	Neversink	Pepacton	Cannonsville	Neversink	
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Dec. 17	4	5	6	280	0	95	442
18	4	5	6	280	0	81	438
19	4	5	3	290	0	107	436
20	4	5	3	281	0	109	434
21	4	5	3	259	0	125	431
22	4	5	3	0	0	96	416
23	4	5	3	18	0	100	403

Pepacton Reservoir (P):	Available storage December 24, 2001 (0800) Spillway crest elevation 1,280.00 ft.	48.071 billion gals. 34.3 % (elev. 1,216.01 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage December 24, 2001 (0800) Spillway crest elevation 1,150.00 ft.	7.431 billion gals. 7.8 % (elev. 1,062.87 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage December 24, 2001 (0800) Spillway crest elevation 1,440.00 ft.	12.722 billion gals. 36.4 % (elev. 1,383.14 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage December 24, 2001 (0800) Combined capacity at spillway level	68.224 billion gals. 25.2 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage December 23, 2001 (2400) Spillway crest elevation 1,190.00 ft.	17.666 billion gals. 49.8 % (elev. 1,180.3 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.
Dec. 17	0	6	8	9	0	0	2,077	2,100	.02	1.54
18	0	6	8	9	0	0	4,477	4,500	.86	2.40
19	0	6	8	9	0	0	5,117	5,140	.04	2.44
20	0	6	8	9	0	0	4,697	4,720	.01	2.45
21	0	6	8	5	0	0	3,771	3,790	.05	2.50
22	0	6	8	5	0	0	3,221	3,240	0	2.50
23	0	6	8	5	0	0	2,681	2,700	0	2.50

1. Release directed to maintain a flow at Montague of 1,350 cfs.

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

Diversions by New Jersey through the D & R Canal, December 17-23, 2001, averaged 70.1 mgd. The average diversion during drought, December 1-23, 2001 was 65.0 mgd and the maximum diversion during the period was 74 mgd on December 19 and 20, 2001.

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Summary river data for December 24-30, 2001 (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 Dec.1, 2001 to date
	Pepacton	Cannonsville	Neversink	Pepacton	Cannonsville	Neversink	
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Dec. 24	4	5	3	275	0	93	402
25	4	5	3	279	0	97	400
26	4	5	3	273	0	94	399
27	4	5	3	278	0	137	400
28	4	5	3	260	0	81	398
29	4	5	3	0	0	147	389
30	4	5	3	54	0	149	383

Pepacton Reservoir (P):	Available storage December 31, 2001 (0800) Spillway crest elevation 1,280.00 ft.	48.433 billion gals. 34.5 % (elev. 1,216.35 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage December 31, 2001 (0800) Spillway crest elevation 1,150.00 ft.	8.913 billion gals. 9.3 % (elev. 1,066.09 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage December 31, 2001 (0800) Spillway crest elevation 1,440.00 ft.	12.557 billion gals. 35.9 % (elev. 1,382.57 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage December 31, 2001 (0800) Combined capacity at spillway level	69.903 billion gals. 25.8 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage December 30, 2001 (2400) Spillway crest elevation 1,190.00 ft.	18.018 billion gals. 50.8 % (elev. 1,180.5 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.
Dec. 24	0	6	8	5	0	0	2,421	2,440	.20	2.70
25	0	6	8	5	0	0	2,341	2,360	0	2.70
26	0	6	8	5	0	0	2,331	2,350	0	2.70
27	0	6	8	5	0	82	1,879	1,980	0	2.70
28	0	6	8	5	0	0	1,901	1,920	0	2.70
29	0	6	8	5	0	92	1,799	1,910	0	2.70
30	0	6	8	5	0	0	1,901	1,920	.01	2.71

1. Release directed to maintain a flow at Montague of 1,350 cfs.

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

Diversions by New Jersey through the D & R Canal, December 24-30, 2001, averaged 74.0 mgd. The average diversion during drought, December 1-30, 2001 was 67.1 mgd and the maximum diversion during the period was 78 mgd on December 24, 2001.

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Summary river data for December 31, 2001 to January 6, 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 Dec.1, 2001 to date
	Pepacton	Cannonsville	Neversink	Pepacton	Cannonsville	Neversink	
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Dec. 31	4	5	3	342	0	148	386
Jan. 1	4	5	3	345	0	156	390
2	4	5	3	343	0	146	393
3	4	5	3	350	0	137	396
4	4	5	3	316	0	160	398
5	4	5	3	295	0	91	398
6	4	5	3	311	0	91	398

Pepacton Reservoir (P):	Available storage January 7, 2002 (0800) Spillway crest elevation 1,280.00 ft.	47.182 billion gals. 33.7 % (elev. 1,215.17 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage January 7, 2002 (0800) Spillway crest elevation 1,150.00 ft.	9.827 billion gals. 10.3 % (elev. 1,067.89 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage January 7, 2002 (0800) Spillway crest elevation 1,440.00 ft.	12.071 billion gals. 34.5 % (elev. 1,380.87 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage January 7, 2002 (0800) Combined capacity at spillway level	69.080 billion gals. 25.5 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage January 6, 2002 (2400) Spillway crest elevation 1,190.00 ft.	18.018 billion gals. 50.8 % (elev. 1,180.5 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.
Dec. 31	0	6	8	5	0	0	1,871	1,890	0	2.71
Jan. 1	0	6	8	5	0	0	1,431	1,450	0	0
2	0	6	8	5	0	0	1,351	1,370	0	0
3	0	6	8	5	174	0	1,447	1,640	0	0
4	0	6	8	5	196	0	1,405	1,620	0	0
5	0	6	8	5	177	0	1,314	1,510	0	0
6	0	6	8	5	0	0	1,341	1,360	0	0

1. Release directed to maintain a flow at Montague of 1,100 cfs.

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

Diversion by New Jersey through the D & R Canal, December 31, 2001 to January 6, 2002 averaged 65.0 mgd. The average diversion during drought, December 1, 2001 to January 6, 2002 was 65.8 mgd and the maximum diversion was 74 mgd on December 19 and 20, 2001.