

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA

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

Summary river data for March 3 - 9, 2003 (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, 2002 to date
	release begin 1200	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Mar. 3	29	29	140	16	300	296	255	513
4	29	29	126	16	300	296	34	513
5	29	29	112	16	300	296	164	514
6	29	29	102	16	298	296	157	515
7	29	29	99	16	299	196	0	515
8	29	29	93	16	272	196	0	515
9	29	29	78	16	285	196	0	515

Pepacton Reservoir (P):	Available storage March 10, 2003 (0800) Spillway crest elevation 1,280.00 ft.	114.279 billion gals. 81.5% 140.190 billion gallons.	(elev. 1,265.19 ft.)
Cannonsville Reservoir (C):	Available storage March 10, 2003 (0800) Spillway crest elevation 1,150.00 ft.	96.189 billion gals. 100.5% 95.706 billion gallons.	(elev. 1,150.30 ft.)
Neversink Reservoir (N):	Available storage March 10, 2003 (0800) Spillway crest elevation 1,440.00 ft.	27.275 billion gals. 78.1% 34.941 billion gallons.	(elev. 1,423.39 ft.)
Combined contents, PCN:	Available storage March 10, 2003 (0800) Combined capacity at spillway level.	237.743 billion gals. 87.8% 270.837 billion gallons.	
Lake Wallenpaupack:	Available storage March 9, 2003 (2400) Spillway crest elevation 1,190.00 ft.	13.971 billion gals. 39.4% 35.451 billion gallons.	(elev. 1,178.2 ft.)

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.		
Mar. 3	0	45	45	25	156	89	5,040	5,400	.26	.34
4	0	45	45	25	475	89	4,921	5,600	0	.34
5	0	45	45	25	619	89	4,577	5,400	.01	.35
6	0	45	45	25	403	82	4,600	5,200	.02	.37
7	0	45	45	25	499	170	4,516	5,300	.28	.65
8	0	45	45	25	561	74	3,950	4,700	.01	.66
9	0	45	45	25	168	89	4,028	4,400	0	.66

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

2. Includes conservation release of 100 cfs from Rio Reservoir and spill from Cannonsville Reservoir.

Diversions by New Jersey through the D & R Canal March 3 - 9, 2003, averaged 68.1 mgd. The average diversion for the 30-day period ending March 9, 2003 was 80.9 mgd and the maximum diversion was 105 mg on February 20, 2003.

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Summary river data for March 10 - 16, 2003 (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, 2002 to date
	release begin 1200	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Mar. 10	29	29	80	16	301	196	0	515
11	29	29	82	16	295	196	0	515
12	29	29	91	16	295	196	0	514
13	29	29	87	16	300	196	0	514
14	29	29	76	16	299	196	0	514
15	29	29	95	16	296	196	0	514
16	29	29	155	16	296	196	0	514

Pepacton Reservoir (P):	Available storage March 17, 2003 (0800) Spillway crest elevation 1,280.00 ft.	114.196 billion gals. 81.5% 140.190 billion gallons.	(elev. 1,265.14 ft.)
Cannonsville Reservoir (C):	Available storage March 17, 2003 (0800) Spillway crest elevation 1,150.00 ft.	96.559 billion gals. 100.9% 95.706 billion gallons.	(elev. 1,150.53 ft.)
Neversink Reservoir (N):	Available storage March 17, 2003 (0800) Spillway crest elevation 1,440.00 ft.	27.792 billion gals. 79.5% 34.941 billion gallons.	(elev. 1,424.59 ft.)
Combined contents, PCN:	Available storage March 17, 2003 (0800) Combined capacity at spillway level.	238.547 billion gals. 88.1% 270.837 billion gallons.	
Lake Wallenpaupack:	Available storage March 16, 2003 (2400) Spillway crest elevation 1,190.00 ft.	14.147 billion gals. 39.9% 35.451 billion gallons.	(elev. 1,178.3 ft.)

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.		
Mar. 10	0	45	45	25	222	96	3,957	4,390	0	.66
11	0	45	45	25	566	78	3,661	4,420	0	.66
12	0	45	45	25	408	82	3,355	3,960	0	.66
13	0	45	45	25	362	78	3,505	4,060	0	.66
14	0	45	45	25	450	121	3,334	4,020	.32	.98
15	0	45	45	25	443	138	3,214	3,910	0	.98
16	0	45	45	25	0	99	3,796	4,010	0	.98

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

2. Includes conservation release of 100 cfs from Rio Reservoir and spill from Cannonsville Reservoir.

Diversions by New Jersey through the D & R Canal March 10 - 16, 2003, averaged 77.4 mgd. The average diversion for the 30-day period ending March 16, 2003 was 75.8 mgd and the maximum diversion was 105 mg on February 20, 2003.

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Summary river data for March 17 - 23, 2003 (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, 2002 to date
	release begin 1200	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Mar. 17	29	29	549	16	284	221	0	514
18	29	29	1,063	16	247	149	0	514
19	29	29	1,764	16	290	260	0	514
20	29	29	2,647	16	150	99	0	513
21	29	29	2,885	16	0	0	0	511
22	29	29	5,080	16	0	0	0	510
23	29	29	5,554	16	0	0	0	508

Pepacton Reservoir (P):	Available storage March 24, 2003 (0800) Spillway crest elevation 1,280.00 ft.	133.527 billion gals. 95.2% 140.190 billion gallons.	(elev. 1,276.34 ft.)
Cannonsville Reservoir (C):	Available storage March 24, 2003 (0800) Spillway crest elevation 1,150.00 ft.	102.208 billion gals. 106.8% 95.706 billion gallons.	(elev. 1,154.04 ft.)
Neversink Reservoir (N):	Available storage March 24, 2003 (0800) Spillway crest elevation 1,440.00 ft.	33.374 billion gals. 95.5% 34.941 billion gallons.	(elev. 1,436.79 ft.)
Combined contents, PCN:	Available storage March 24, 2003 (0800) Combined capacity at spillway level.	269.109 billion gals. 99.4% 270.837 billion gallons.	
Lake Wallenpaupack:	Available storage March 23, 2003 (2400) Spillway crest elevation 1,190.00 ft.	24.307 billion gals. 68.6% 35.451 billion gallons.	(elev. 1,184.0 ft.)

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.		
Mar. 17	0	45	45	25	12	461	6,612	7,200	0	.98
18	0	45	45	25	12	514	13,159	13,800	0	.98
19	0	45	45	25	0	518	24,167	24,800	0	.98
20	0	45	45	25	0	652	22,433	23,200	.15	1.13
21	0	45	45	25	651	727	36,507	38,000	.94	2.07
22	0	45	45	25	465	1,599	47,721	49,900	.01	2.08
23	0	45	45	25	436	1,702	44,147	46,400	.01	2.09

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

2. Includes conservation release of 100 cfs from Rio Reservoir and spill from Cannonsville Reservoir.

Diversions by New Jersey through the D & R Canal March 17 - 23, 2003, averaged 80.0 mgd. The average diversion for the 30-day period ending March 23, 2003 was 74.5 mgd and the maximum diversion was 97 mg on February 28 and March 1, 2003.

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Summary river data for March 24-30, 2003 (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, 2002 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	
Mar. 24	29	0	29	3,802	16	0	0	0	0	506
25	29	0	29	3,055	16	0	0	0	0	504
26	29	0	29	2,680	16	0	0	0	0	503
27	29	6	29	2,350	16	53	0	0	0	501
28	29	273	29	1,989	16	363	0	0	0	499
29	29	1,187	29	1,918	16	663	0	0	0	498
30	29	1,762	29	2,015	16	665	0	0	0	496

Pepacton Reservoir (P):	Available storage March 31, 2003 (0800) Spillway crest elevation 1,280.00 ft.	142.174 billion gals. 101.4 % (elev. 1,281.07 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage March 31, 2003 (0800) Spillway crest elevation 1,150.00 ft.	99.762 billion gals. 104.2 % (elev. 1,152.52 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage March 31, 2003 (0800) Spillway crest elevation 1,440.00 ft.	35.234 billion gals. 100.8 % (elev. 1,440.59 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage March 31, 2003 (0800) Combined capacity at spillway level.	277.170 billion gals. 102.3 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage March 30, 2003 (2400) Spillway crest elevation 1,190.00 ft.	27.775 billion gals. 78.3 % (elev. 1,185.9 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	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
							Daily	Cumul.		
Mar. 24	0	45	45	25	463	1,426	32,396	34,400	0	2.09
25	0	45	45	25	394	1,238	24,953	26,700	0	2.09
26	0	45	45	25	677	979	21,929	23,700	0	2.09
27	0	45	45	25	828	840	19,917	21,700	.14	2.23
28	0	45	45	25	601	840	16,844	18,400	0	2.23
29	0	45	45	25	768	826	14,891	16,600	0	2.23
30	0	45	45	25	963	859	20,363	22,300	.62	2.85

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

2. Includes conservation release of 100 cfs from Rio Reservoir and spill from Pepacton, Cannonsville and Neversink Reservoirs.

Diversions by New Jersey through the D & R Canal March 24-30, 2003, averaged 93.6 mgd. The average diversion for the 30-day period ending March 30, 2003 was 80.0 mgd and the maximum diversion during that period was 97 mgd on March 1, 2003.

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Summary river data for March 31 - April 6, 2003 (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, 2002 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	
Mar. 31	29	1,523	29	1,915	16	437	0	0	0	494
Apr. 1	29	1,206	29	1,673	16	385	0	0	0	493
2	29	1,109	29	1,537	16	370	0	0	0	491
3	29	1,095	29	1,399	16	365	0	0	0	490
4	29	1,078	29	1,428	16	343	0	0	0	488
5	28	1,045	29	1,450	15	319	0	0	0	486
6	29	1,028	28	1,500	16	285	0	0	0	485

Pepacton Reservoir (P):	Available storage April 7, 2003 (0800) Spillway crest elevation 1,280.00 ft.	141.579 billion gals. 101.0 % (elev. 1,280.75 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage April 7, 2003 (0800) Spillway crest elevation 1,150.00 ft.	99.070 billion gals. 103.5 % (elev. 1,152.09 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage April 7, 2003 (0800) Spillway crest elevation 1,440.00 ft.	35.135 billion gals. 100.6 % (elev. 1,440.39 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage April 7, 2003 (0800) Combined capacity at spillway level.	275.784 billion gals. 101.8 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage April 6, 2003 (2400) Spillway crest elevation 1,190.00 ft.	27.592 billion gals. 77.8 % (elev. 1,185.8 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.		
Mar. 31	0	45	45	25	1,014	1,064	20,007	22,200	.15	3.00
Apr. 1	0	45	45	25	1,087	755	16,743	18,700	.01	.01
2	0	45	45	25	922	933	14,330	16,300	.32	.33
3	0	45	45	25	1,070	833	13,482	15,500	.01	.34
4	0	45	45	25	1,080	557	12,648	14,400	.01	.35
5	0	45	45	25	1,038	734	12,113	14,000	.32	.67
6	0	45	45	25	911	699	12,275	14,000	.25	.92

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

2. Includes conservation release of 100 cfs from Rio Reservoir and spill from Pepacton, Cannonsville and Neversink Reservoirs.

Diversions by New Jersey through the D & R Canal March 31-April 6, 2003, averaged 99.7 mgd. The average diversion for the 30-day period ending April 6, 2003 was 90.8 mgd and the maximum diversion during that period was 104 mgd on April 3, 2003.