

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for June 2 - 8, 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, 2003 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	
June 2	61	905	29	528	34	532	0	0	0	0
3	61	917	29	548	34	356	0	0	0	0
4	61	853	29	555	34	309	0	0	0	0
5	61	786	29	536	34	268	0	0	0	0
6	61	588	29	516	34	187	355	0	0	59
7	61	396	29	496	34	45	450	0	316	160
8	61	296	29	492	34	0	450	0	283	232

Pepacton Reservoir (P):	Available storage June 9, 2003 (0800)	140.727 billion gals. 100.4 % (elev. 1,280.29 ft.)
	Spillway crest elevation 1,280.00 ft.	140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage June 9, 2003 (0800)	97.331 billion gals. 101.7 % (elev. 1,151.01 ft.)
	Spillway crest elevation 1,150.00 ft.	95.706 billion gallons.
Neversink Reservoir (N):	Available storage June 9, 2003 (0800)	34.843 billion gals. 99.7 % (elev. 1,439.80 ft.)
	Spillway crest elevation 1,440.00 ft.	34.941 billion gallons.
Combined contents, PCN:	Available storage June 9, 2003 (0800)	272.901 billion gals. 100.8 %
	Combined capacity at spillway level.	270.837 billion gallons.
Lake Wallenpaupack:	Available storage June 8, 2003 (2400)	29.814 billion gals. 84.1 % (elev. 1,187.0 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.		
June 2	0	70	45	53	1,685	0	17,747	19,600	.19	1.85
3	0	74	45	53	1,621	14	13,193	15,000	0	1.85
4	0	94	45	53	1,714	142	10,752	12,800	.27	2.12
5	0	94	45	53	1,678	113	9,917	11,900	.10	2.22
6	0	94	45	53	1,676	142	8,690	10,700	.02	2.24
7	0	94	45	53	1,230	71	8,097	9,590	.01	2.25
8	0	94	45	53	1,068	174	9,666	11,100	.65	2.90

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 June 2 - 8, 2003, averaged 73.1 mgd. The average diversion for the 30-day period ending June 8, 2003 was 89.2 mgd and the maximum diversion during that period was 106 mg on May 11, 2003.

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Summary river data for June 9 - 15, 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, 2003 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	
June 9	61	146	29	464	34	0	197	0	125	237
10	61	224	29	383	34	0	0	0	216	235
11	61	326	29	352	34	0	0	0	193	231
12	61	424	29	399	34	0	0	0	24	214
13	61	489	29	433	34	127	0	0	0	197
14	61	799	29	930	34	248	0	0	0	183
15	61	810	29	1,099	34	194	0	0	0	171

Pepacton Reservoir (P):	Available storage June 16, 2003 (0800) Spillway crest elevation 1,280.00 ft.	141.375 billion gals. 100.8 % (elev. 1,280.64 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage June 16, 2003 (0800) Spillway crest elevation 1,150.00 ft.	98.426 billion gals. 102.8 % (elev. 1,151.69 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage June 16, 2003 (0800) Spillway crest elevation 1,440.00 ft.	35.080 billion gals. 100.4 % (elev. 1,440.28 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage June 16, 2003 (0800) Combined capacity at spillway level.	274.881 billion gals. 101.5 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage June 15, 2003 (2400) Spillway crest elevation 1,190.00 ft.	29.071 billion gals. 82.0 % (elev. 1,186.6 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	Excess Release Credits ³		Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
	June 9	0	94	45	53	1,037	418	8,213	9,860			.01
10	0	94	45	53	682	372	7,164	8,410			.07	2.98
11	0	94	45	53	707	312	6,129	7,340			0	2.98
12	0	94	45	53	1,026	213	6,009	7,440			.22	3.20
13	0	94	45	53	1,317	248	7,683	9,440			.54	3.74
14	0	94	45	53	861	248	9,999	11,300			.36	4.10
15	0	94	45	53	808	248	14,052	15,300	0	0	.04	4.14

1. Release directed to maintain a flow at Montague of 1,750 cfs (June 9 -14) and 1,810 cfs (June 15).

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

3. The excess-release quantity for the seasonal period beginning June 15, 2003 is 11,418 cfs-days. Sixty percent is to be released under normal conditions and forty percent is to be used for a habitat bank per DRBC Docket No. D-77-20 CP, Revision 6.

Diversions by New Jersey through the D & R Canal June 9 - 15, 2003, averaged 86.4 mgd. The average diversion for the 30-day period ending June 15, 2003 was 85.5 mgd and the maximum diversion during the period was 98 mg on May 17 and 19, 2003.

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Summary river data for June 16 - 22, 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, 2003 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	
June 16	61	625	29	1,025	34	44	200	0	200	185
17	61	404	29	898	34	6	378	0	200	208
18	61	262	29	787	34	0	401	0	198	230
19	61	164	29	704	34	0	401	0	205	250
20	61	157	29	671	34	0	199	0	200	257
21	61	379	29	818	34	0	0	0	204	255
22	61	650	29	975	34	2	0	0	204	252

Pepacton Reservoir (P):	Available storage June 23, 2003 (0800)	141.319 billion gals. 100.8 % (elev. 1,280.61 ft.)
	Spillway crest elevation 1,280.00 ft.	140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage June 23, 2003 (0800)	98.345 billion gals. 102.8 % (elev. 1,151.64 ft.)
	Spillway crest elevation 1,150.00 ft.	95.706 billion gallons.
Neversink Reservoir (N):	Available storage June 23, 2003 (0800)	34.981 billion gals. 100.1 % (elev. 1,440.08 ft.)
	Spillway crest elevation 1,440.00 ft.	34.941 billion gallons.
Combined contents, PCN:	Available storage June 23, 2003 (0800)	274.645 billion gals. 101.4 %
	Combined capacity at spillway level.	270.837 billion gallons.
Lake Wallenpaupack:	Available storage June 22, 2003 (2400)	33.750 billion gals. 95.2 % (elev. 1,189.1 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	Excess Release Credits ³		Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
	June 16	0	94	45	53	710	124	11,074	12,100	0	0	0
17	0	94	45	53	456	195	8,947	9,790	0	0	0	4.14
18	0	94	45	53	442	138	7,758	8,530	0	0	.23	4.37
19	0	94	45	53	595	344	6,839	7,970	0	0	.04	4.41
20	0	94	45	53	573	170	6,085	7,020	0	0	.06	4.47
21	0	94	45	53	486	89	10,433	11,200	0	0	1.12	5.59
22	0	94	45	53	1,176	675	18,457	20,500	0	0	.96	6.55

1. Release directed to maintain a flow at Montague of 1,810 cfs.

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

3. The excess-release quantity for the seasonal period beginning June 15, 2003 is 11,418 cfs-days. Sixty percent is to be released under normal conditions and forty percent is to be used for a habitat bank per DRBC Docket No. D-77-20 CP, Revision 6.

Diversions by New Jersey through the D & R Canal June 16 - 22, 2003, averaged 80.3 mgd. The average diversion for the 30-day period ending June 22, 2003 was 81.9 mgd and the maximum diversion during the period was 95 mg on May 24, 2003.

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Summary river data for June 23 - 29, 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, 2003 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	
June 23	61	614	29	1,015	34	11	248	0	196	261
24	61	441	29	926	34	0	291	0	196	270
25	61	336	29	756	34	0	259	196	196	285
26	137	261	318	556	35	0	350	194	222	304
27	102	106	199	340	54	0	398	194	100	318
28	99	43	199	237	54	0	398	194	103	332
29	99	0	199	153	53	0	398	194	103	344

Pepacton Reservoir (P):	Available storage June 30, 2003 (0800) Spillway crest elevation 1,280.00 ft.	140.024 billion gals. 99.9 % (elev. 1,279.91 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage June 30, 2003 (0800) Spillway crest elevation 1,150.00 ft.	96.350 billion gals. 100.7 % (elev. 1,150.40 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage June 30, 2003 (0800) Spillway crest elevation 1,440.00 ft.	34.596 billion gals. 99.0 % (elev. 1,439.30 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage June 30, 2003 (0800) Combined capacity at spillway level.	270.970 billion gals. 100.0 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage June 29, 2003 (2400) Spillway crest elevation 1,190.00 ft.	31.485 billion gals. 88.8 % (elev. 1,187.9 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	Excess Release Credits ³		Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
	June 23	0	94	45	53	1,703	550	19,155	21,600	0	0	.32
24	0	94	45	53	1,721	787	13,900	16,600	0	0	0	6.87
25	0	94	45	53	1,680	238	10,290	12,400	0	0	0	6.87
26	0	94	45	53	1,721	121	8,366	10,400	0	0	0	6.87
27	0	94	45	53	1,719	199	6,790	8,900	0	0	0	6.87
28	0	94	45	54	1,719	149	5,909	7,970	0	0	0	6.87
29	0	212	492	84	1,692	113	4,157	6,750	0	0	0	6.87

1. Release directed to maintain a flow at Montague of 1,810 cfs.

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

3. The excess-release quantity for the seasonal period beginning June 15, 2003 is 11,418 cfs-days. Sixty percent is to be released under normal conditions and forty percent is to be used for a habitat bank per DRBC Docket No. D-77-20 CP, Revision 6.

Diversions by New Jersey through the D & R Canal June 23 - 29, 2003, averaged 91.0 mgd. The average diversion for the 30-day period ending June 29, 2003 was 82.9 mgd and the maximum diversion during the period was 95 mg on June 27, 2003.

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Summary river data for June 30 - July 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			Average June 1, 2003 to date
	Pepacton	Cannonsville		Neversink	Pepacton	Cannonsville	Neversink	
	release begin 1200	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
June 30	64	199	85	34	398	269	93	358
July 1	61	198	25	34	398	425	109	377
2	61	198	0	34	398	331	118	391
3	61	198	0	48	398	296	110	404
4	61	198	0	48	255	189	94	408
5	61	198	0	48	210	157	60	408
6	61	198	0	48	388	296	143	420

Pepacton Reservoir (P):	Available storage July 7, 2003 (0800) Spillway crest elevation 1,280.00 ft.	138.480 billion gals. 98.8% (elev. 1,279.07 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage July 7, 2003 (0800) Spillway crest elevation 1,150.00 ft.	94.489 billion gals. 98.7% (elev. 1,149.20 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage July 7, 2003 (0800) Spillway crest elevation 1,440.00 ft.	34.155 billion gals. 97.8% (elev. 1,438.40 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage July 7, 2003 (0800) Combined capacity at spillway level.	267.124 billion gals. 98.6% 270.837 billion gallons.
Lake Wallenpaupack:	Available storage July 6, 2003 (2400) Spillway crest elevation 1,190.00 ft.	26.315 billion gals. 74.2% (elev. 1,185.1 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	Excess Release Credits ³		Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
	June 30	0	158	308	84	1,688			128	3,734	6,100	0
July 1	0	153	308	82	1,676	184	3,207	5,610	0	0	0	0
2	0	153	308	53	1,697	145	2,804	5,160	0	0	0	0
3	0	99	306	53	1,445	113	2,534	4,550	0	0	0	0
4	0	94	306	53	1,139	184	2,204	3,980	0	0	0	0
5	0	94	306	74	1,193	0	2,113	3,780	0	0	.04	.04
6	0	94	306	74	1,220	0	2,016	3,710	0	0	.03	.07

1. Release directed to maintain a flow at Montague of 1,810 cfs.

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

3. The excess-release quantity for the seasonal period beginning June 15, 2003 is 11,418 cfs-days. Sixty percent is to be released under normal conditions and forty percent is to be used for a habitat bank per DRBC Docket No. D-77-20 CP, Revision 6.

Diversions by New Jersey through the D & R Canal June 30 - July 6, 2003, averaged 95.1 mgd. The average diversion for the 30-day period ending July 6, 2003 was 87.4 mgd and the maximum diversion during the period was 96 mg on July 3, 2003.