

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA

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

Summary river data for August 4 - 10, 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	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Aug. 4	61	128	45	45	17	259	549
5	61	113	34	0	0	154	543
6	61	103	34	0	0	334	540
7	61	79	34	0	0	379	538
8	61	68	34	25	0	382	536
9	61	157	34	100	98	220	534
10	61	193	34	100	99	177	532

Pepacton Reservoir (P)	Available storage Aug. 11, 2003 (0800) Spillway crest elevation 1,280.00 ft.	138.866 billion gals. 99.1% (elev. 1,279.28 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C)	Available storage Aug. 11, 2003 (0800) Spillway crest elevation 1,150.00 ft.	94.656 billion gals. 98.9% (elev. 1,149.31 ft.) 95.706 billion gallons.
Neversink Reservoir (N)	Available storage Aug. 11, 2003 (0800) Spillway crest elevation 1,440.00 ft.	34.818 billion gals. 99.6% (elev. 1,439.75 ft.) 34.941 billion gallons.
Combined contents, PCN	Available storage Aug. 11, 2003 (0800) Combined capacity at spillway level.	268.340 billion gals. 99.1% 270.837 billion gallons.
Lake Wallenpaupack	Available storage Aug. 10, 2003 (2400) Spillway crest elevation 1,190.00 ft.	21.288 billion gals. 59.9% (elev. 1,182.3 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 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.
	Aug. 4	0	94	240	53	0	43	3,160	3,590	0	859	.58
5	0	94	198	53	250	0	4,975	5,570	0	859	.48	2.02
6	0	94	198	70	185	0	6,493	7,040	0	859	.62	2.64
7	0	94	175	53	245	0	6,653	7,220	0	859	.06	2.70
8	0	94	159	53	290	11	5,023	5,630	0	859	.13	2.83
9	0	94	122	53	434	124	4,663	5,490	0	859	.11	2.94
10	0	94	105	53	232	18	5,518	6,020	0	859	.45	3.39

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

2. Includes conservation release of 100 cfs from Rio 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 August 4 -10, 2003, averaged 93.3 mgd. The average diversion for the 30-day period ending August 10, 2003 was 91.3 mgd and the maximum diversion during the period was 98 mg on August 1, 2003.

Date	Releases from N.Y.C. Reservoirs				Power releases		Computed uncon- trolled ²	Total Discharge	Excess Release Credits ³		Precipitation	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily Cumul.		(inches)	
									Daily	Cumul.	Daily	Cumul.

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.

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Summary river data for August 11 - 17, 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	
Aug. 11	250	0	207	0	34	0	100	100	335	532
12	470	123	336	1	37	12	0	9	382	530
13	459	475	479	21	54	5	179	0	382	531
14	461	367	507	16	34	0	320	0	240	531
15	298	54	458	5	44	0	300	102	387	534
16	213	25	320	2	44	0	300	121	372	538
17	159	23	250	7	45	0	300	0	342	539

Pepacton Reservoir (P):	Available storage Aug. 18, 2003 (0800) Spillway crest elevation 1,280.00 ft.	140.282 billion gals. 100.1 % (elev. 1,280.05 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Aug. 18, 2003 (0800) Spillway crest elevation 1,150.00 ft.	95.851 billion gals. 100.2 % (elev. 1,150.09 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Aug. 18, 2003 (0800) Spillway crest elevation 1,440.00 ft.	34.219 billion gals. 97.9 % (elev. 1,438.53 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Aug. 18, 2003 (0800) Combined capacity at spillway level.	270.352 billion gals. 99.8 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Aug. 17, 2003 (2400) Spillway crest elevation 1,190.00 ft.	21.407 billion gals. 60.4 % (elev. 1,182.4 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 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.
	Aug. 11	0	94	243	53	367	89	5,384	6,230	0	859	.25
12	0	94	299	53	0	330	11,424	12,200	0	859	.61	4.25
13	0	94	320	53	0	816	9,717	11,000	0	859	.01	4.26
14	0	387	520	57	422	730	7,374	9,490	0	859	0	4.26
15	0	727	741	84	773	624	5,511	8,460	0	859	0	4.26
16	0	710	784	53	392	929	4,112	6,980	0	859	0	4.26
17	0	713	709	68	382	369	3,009	5,250	0	859	.06	4.32

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 August 11 - 17, 2003, averaged 95.9 mgd. The average diversion for the 30-day period ending August 17, 2003 was 91.6 mgd and the maximum diversion during the period was 98 mgd on August 1 and 16, 2003.

	Releases from N.Y.C. Reservoirs				Power releases		Computed uncon- trolled ²	Total Discharge	Excess Release Credits ³	Precipitation	
Date	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir				(inches)	
									Daily Cumul.	Daily	Cumul.

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Summary river data for August 18 - 24, 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	spill begin 0800	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800		
Aug. 18	159	23	222	14	45	300	0	337	540	
19	158	5	221	10	45	300	100	193	541	
20	112	0	198	3	44	300	100	194	542	
21	109	0	167	0	44	300	197	206	544	
22	68	0	162	0	34	299	198	203	545	
23	61	0	160	0	34	308	198	174	547	
24	61	0	160	0	34	308	199	0	547	

Pepacton Reservoir (P):	Available storage Aug. 25, 2003 (0800) Spillway crest elevation 1,280.00 ft.	139.418 billion gals. 99.4 % (elev. 1,279.58 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Aug. 25, 2003 (0800) Spillway crest elevation 1,150.00 ft.	94.992 billion gals. 99.3 % (elev. 1,149.53 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Aug. 25, 2003 (0800) Spillway crest elevation 1,440.00 ft.	33.461 billion gals. 95.8 % (elev. 1,436.97 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Aug. 25, 2003 (0800) Combined capacity at spillway level.	267.871 billion gals. 98.9 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Aug. 24, 2003 (2400) Spillway crest elevation 1,190.00 ft.	20.152 billion gals. 56.8 % (elev. 1,181.7 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 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.
Aug. 18	0	461	495	68	329	71	3,206	4,630	0	859	.08	4.40
19	0	330	387	70	386	89	3,008	4,270	0	859	.02	4.42
20	0	246	343	70	482	71	2,678	3,890	0	859	0	4.42
21	0	246	342	70	415	103	2,364	3,540	0	859	0	4.42
22	0	244	306	68	455	191	2,006	3,270	0	859	0	4.42
23	0	173	258	68	501	53	1,887	2,940	0	859	.06	4.48
24	0	169	251	53	0	71	1,656	2,200	60	919	0	4.48

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 and Cannonsville 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 August 18 - 24, 2003, are currently unavailable.

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA

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Summary river data for August 25 - 31, 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	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Aug. 25	61	160	34	309	199	141	548
26	61	159	34	310	295	217	551
27	61	295	34	310	295	226	554
28	61	351	34	304	292	226	557
29	61	382	34	306	292	235	560
30	61	338	34	307	294	207	563
31	58	214	34	303	291	211	566

Pepacton Reservoir (P)	Available storage Sept. 1, 2003 (0800) Spillway crest elevation 1,280.00 ft.	137.729 billion gals. 98.2% (elev. 1,278.66 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C)	Available storage Sept. 1, 2003 (0800) Spillway crest elevation 1,150.00 ft.	92.131 billion gals. 96.3% (elev. 1,147.65 ft.) 95.706 billion gallons.
Neversink Reservoir (N)	Available storage Sept. 1, 2003 (0800) Spillway crest elevation 1,440.00 ft.	32.311 billion gals. 92.5% (elev. 1,434.56 ft.) 34.941 billion gallons.
Combined contents, PCN	Available storage Sept. 1, 2003 (0800) Combined capacity at spillway level.	262.171 billion gals. 96.8% 270.837 billion gallons.
Lake Wallenpaupack	Available storage Aug. 31, 2003 (2400) Spillway crest elevation 1,190.00 ft.	18.898 billion gals. 53.3% (elev. 1,181.0 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 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.
	Aug. 25	77	105	248	53	96	89	1,419	2,010	60	979	0
26	0	94	248	53	684	71	1,500	2,650	0	979	0	4.48
27	0	94	248	53	545	92	1,428	2,460	0	979	0	4.48
28	0	94	246	53	576	113	1,338	2,420	0	979	0	4.48
29	603	94	456	53	0	89	1,218	1,910	160	1,139	0	4.48
30	692	94	543	53	394	53	1,223	2,360	610	1,749	.30	4.78
31	738	94	591	53	0	0	1,362	2,100	350	2,099	.02	4.80

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

2. Includes conservation release of 100 cfs from Rio 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.

Diversion by New Jersey through the D & R Canal August 25 - 31, 2003, are currently unavailable.

Date	Releases from N.Y.C. Reservoirs				Power releases		Computed uncon- trolled ²	Total Discharge	Excess Release Credits ³		Precipitation	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily Cumul.		(inches)	
									Daily	Cumul.	Daily	Cumul.

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.