

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA

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

Summary river data for July 7 - 13, 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	
July 7	61	258	58	388	296	102	430
8	61	301	55	388	295	103	439
9	61	248	34	397	295	6	446
10	61	181	34	397	295	141	456
11	61	76	34	258	181	157	459
12	61	29	34	0	281	0	455
13	61	59	34	21	296	0	452

Pepacton Reservoir (P)	Available storage July 14, 2003 (0800) Spillway crest elevation 1,280.00 ft.	138.003 billion gals. 98.4% (elev. 1,278.81 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C)	Available storage July 14, 2003 (0800) Spillway crest elevation 1,150.00 ft.	93.683 billion gals. 97.9% (elev. 1,148.67 ft.) 95.706 billion gallons.
Neversink Reservoir (N)	Available storage July 14, 2003 (0800) Spillway crest elevation 1,440.00 ft.	33.993 billion gals. 97.3% (elev. 1,438.07 ft.) 34.941 billion gallons.
Combined contents, PCN	Available storage July 14, 2003 (0800) Combined capacity at spillway level.	265.679 billion gals. 98.1% 270.837 billion gallons.
Lake Wallenpaupack	Available storage July 13, 2003 (2400) Spillway crest elevation 1,190.00 ft.	25.402 billion gals. 71.7% (elev. 1,184.6 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.
July 7	0	94	306	74	1,132	128	1,836	3,570	0	0	0	.07
8	0	94	306	74	723	113	1,980	3,290	0	0	.57	.64
9	0	94	399	90	515	110	1,962	3,170	0	0	.01	.65
10	0	94	466	85	315	78	2,002	3,040	0	0	.17	.82
11	0	94	384	53	428	0	1,961	2,920	0	0	.63	1.45
12	0	94	280	53	561	43	3,209	4,240	0	0	.09	1.54
13	0	94	118	53	0	0	2,965	3,230	0	0	0	1.54

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 July 7 - 13, 2003, averaged 94.6 mgd. The average diversion for the 30-day period ending July 13, 2003 was 89.8 mgd and the maximum diversion during the period was 96 mg on July 3, 8, 2003.

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Summary river data for July 14 - 20, 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	
July 14	61	127	34	280	296	96	457
15	61	146	51	275	296	100	461
16	61	201	45	272	296	111	466
17	61	212	34	450	296	61	473
18	61	248	34	452	296	129	482
19	61	343	34	452	296	68	489
20	61	194	44	452	296	69	495

Pepacton Reservoir (P)	Available storage July 21, 2003 (0800) Spillway crest elevation 1,280.00 ft.	136.145 billion gals. 97.1% (elev. 1,277.79 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C)	Available storage July 21, 2003 (0800) Spillway crest elevation 1,150.00 ft.	91.629 billion gals. 95.7% (elev. 1,147.32 ft.) 95.706 billion gallons.
Neversink Reservoir (N)	Available storage July 21, 2003 (0800) Spillway crest elevation 1,440.00 ft.	33.446 billion gals. 95.7% (elev. 1,436.94 ft.) 34.941 billion gallons.
Combined contents, PCN	Available storage July 21, 2003 (0800) Combined capacity at spillway level.	261.220 billion gals. 96.4% 270.837 billion gallons.
Lake Wallenpaupack	Available storage July 20, 2003 (2400) Spillway crest elevation 1,190.00 ft.	24.125 billion gals. 68.1% (elev. 1,183.9 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.
July 14	0	94	45	53	0	53	2,235	2,480	0	0	0	1.54
15	0	94	91	53	629	89	1,864	2,820	0	0	0	1.54
16	0	94	196	53	525	60	1,592	2,520	0	0	.20	1.74
17	0	94	226	79	463	0	1,558	2,420	0	0	.02	1.76
18	0	94	311	70	515	0	1,650	2,640	0	0	0	1.76
19	0	94	328	53	459	0	1,566	2,500	0	0	.21	1.97
20	530	94	384	53	0	0	1,459	1,990	240	240	0	1.97

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 July 14 - 20, 2003, averaged 92.7 mgd. The average diversion for the 30-day period ending July 20, 2003 was 92.2 mgd and the maximum diversion during the period was 96 mg on July 3, 8, 2003.

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Summary river data for July 21 - 27, 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	
July 21	61	193	34	250	141	131	496
22	61	114	34	462	114	0	497
23	61	83	34	460	296	226	506
24	61	65	35	450	296	65	512
25	61	81	50	450	296	0	516
26	61	183	57	450	296	0	520
27	61	215	56	450	296	0	524

Pepacton Reservoir (P)	Available storage July 28, 2003 (0800) Spillway crest elevation 1,280.00 ft.	135.873 billion gals. 96.9% (elev. 1,277.64 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C)	Available storage July 28, 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 July 28, 2003 (0800) Spillway crest elevation 1,440.00 ft.	33.437 billion gals. 95.7% (elev. 1,436.92 ft.) 34.941 billion gallons.
Combined contents, PCN	Available storage July 28, 2003 (0800) Combined capacity at spillway level.	261.441 billion gals. 96.5% 270.837 billion gallons.
Lake Wallenpaupack	Available storage July 27, 2003 (2400) Spillway crest elevation 1,190.00 ft.	22.847 billion gals. 64.4% (elev. 1,183.2 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.
	July 21	678	94	531	53	0	43	1,289	2,010	260	500	0
22	0	94	300	68	529	0	1,829	2,820	0	500	1.20	3.17
23	0	94	299	53	431	21	3,812	4,710	0	500	.29	3.46
24	0	94	176	53	689	0	4,258	5,270	0	500	.15	3.61
25	0	94	128	53	579	0	3,396	4,250	0	500	.02	3.63
26	0	94	101	54	518	0	2,663	3,430	0	500	0	3.63
27	0	94	125	77	348	50	2,226	2,920	0	500	.02	3.65

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 July 21 - 27, 2003, averaged 82.4 mgd. The average diversion for the 30-day period ending July 27, 2003 was 91.4 mgd and the maximum diversion during the period was 96 mg on July 3, 8, 2003.

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Summary river data for July 28 - August 3, 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	
July 28	61	195	34	450	296	0	528
29	61	195	34	450	296	0	532
30	61	212	37	450	296	0	535
31	61	215	46	450	296	107	541
Aug. 1	61	192	34	400	296	109	545
2	61	155	34	400	296	104	549
3	61	128	34	400	296	109	553

Pepacton Reservoir (P)	Available storage Aug. 4, 2003 (0800) Spillway crest elevation 1,280.00 ft.	135.511 billion gals. 96.7% (elev. 1,277.44 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C)	Available storage Aug. 4, 2003 (0800) Spillway crest elevation 1,150.00 ft.	91.477 billion gals. 95.6% (elev. 1,147.22 ft.) 95.706 billion gallons.
Neversink Reservoir (N)	Available storage Aug. 4, 2003 (0800) Spillway crest elevation 1,440.00 ft.	34.086 billion gals. 97.6% (elev. 1,438.26 ft.) 34.941 billion gallons.
Combined contents, PCN	Available storage Aug. 4, 2003 (0800) Combined capacity at spillway level.	261.074 billion gals. 96.4% 270.837 billion gallons.
Lake Wallenpaupack	Available storage Aug. 3, 2003 (2400) Spillway crest elevation 1,190.00 ft.	20.690 billion gals. 58.4% (elev. 1,182.0 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.
	July 28	0	94	283	88	718	0	2,117	3,300	0	500	.30
29	0	94	333	87	923	0	1,963	3,400	0	500	0	3.95
30	0	94	302	53	1,043	0	1,638	3,130	0	500	0	3.95
31	0	94	302	53	1,060	0	1,491	3,000	0	500	0	3.95
Aug. 1	0	94	328	57	644	0	1,397	2,520	0	500	.23	.23
2	0	94	333	71	394	0	2,038	2,930	0	500	.73	.96
3	359	94	297	53	0	0	3,146	3,590	359	859	0	.96

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 July 28 - August 3, 2003, averaged 95.6 mgd. The average diversion for the 30-day period ending August 3, 2003 was 91.6 mgd and the maximum diversion during the period was 98 mgd on August 1, 2003.