

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for June 7 - 13, 2004 (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, 2004 to date
	release begin 1200	spill begin 0800	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
June 7	23	18	149	223	47	448	271	103	692
8	44	0	199	150	58	447	296	96	710
9	34	0	278	41	22	447	287	52	719
10	23	0	200	13	58	340	283	50	714
11	24	0	199	1	58	342	296	0	707
12	46	0	177	0	58	342	296	0	702
13	60	0	126	0	60	343	296	0	697

Pepacton Reservoir (P):	Available storage June 14, 2004 (0800) Spillway crest elevation 1,280.00 ft.	139.289 billion gals. 140.190 billion gallons.	99.4 % (elev. 1,279.51 ft.)
Cannonsville Reservoir (C):	Available storage June 14, 2004 (0800) Spillway crest elevation 1,150.00 ft.	95.113 billion gals. 95.706 billion gallons.	99.4 % (elev. 1,149.61 ft.)
Neversink Reservoir (N):	Available storage June 14, 2004 (0800) Spillway crest elevation 1,440.00 ft.	34.630 billion gals. 34.941 billion gallons.	99.1 % (elev. 1,439.37 ft.)
Combined contents, PCN:	Available storage June 14, 2004 (0800) Combined capacity at spillway level.	269.032 billion gals. 270.837 billion gallons.	99.3 %
Lake Wallenpaupack:	Available storage June 13, 2004 (2400) Spillway crest elevation 1,190.00 ft.	29.257 billion gals. 35.451 billion gallons.	82.5 % (elev. 1,186.7 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 (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	June 7	0	43	282	70	25	319	3,681	4,420	.02
8	0	37	260	70	331	220	3,322	4,240	0	1.12
9	0	36	231	73	604	199	2,827	3,970	0	1.12
10	0	36	308	90	619	131	2,716	3,900	.30	1.42
11	0	68	430	34	335	106	2,367	3,340	.01	1.43
12	0	53	309	90	375	152	2,121	3,100	0	1.43
13	0	36	308	90	0	0	1,906	2,340	0	1.43

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

2. Includes conservation release of 100 cfs from Rio Reservoir and spills from Pepacton and Cannonsville Reservoirs.

Diversions by New Jersey through the Delaware and Raritan Canal June 7 - 13, 2004 averaged 91.6 mgd. The average diversion for the 30-day period ending June 13, 2004 was 90.5 mgd and the maximum diversion during the period was 96 mgd on May 28, 2004.

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Summary river data for June 14 - 20, 2004 (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, 2004 to date
	Pepacton	Cannonsville	Neversink	Pepacton	Cannonsville	Neversink	
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
June 14	70	100	70	347	296	0	693
15	70	100	70	354	296	143	700
16	70	114	70	356	296	149	706
17	70	140	46	354	296	115	709
18	70	314	19	348	293	83	710
19	77	141	37	348	293	94	711
20	84	139	27	351	295	93	713

Pepacton Reservoir (P):	Available storage June 21, 2004 (0800) Spillway crest elevation 1,280.00 ft.	137.637 billion gals. 98.2 % (elev. 1,278.61 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage June 21, 2004 (0800) Spillway crest elevation 1,150.00 ft.	93.242 billion gals. 97.4 % (elev. 1,148.38 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage June 21, 2004 (0800) Spillway crest elevation 1,440.00 ft.	34.199 billion gals. 97.9 % (elev. 1,438.49 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage June 21, 2004 (0800) Combined capacity at spillway level.	265.078 billion gals. 97.9 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage June 20, 2004 (2400) Spillway crest elevation 1,190.00 ft.	28.886 billion gals. 81.5 % (elev. 1,186.5 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 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 14	0	37	274	90	29	0	1,710	2,140	-	-	.01	1.44
15	0	71	195	93	367	152	1,442	2,320	0	0	.02	1.46
16	0	93	155	108	285	0	1,549	2,190	0	0	0	1.46
17	114	108	155	108	302	0	1,597	2,270	114	114	.02	1.48
18	171	108	176	108	381	0	2,077	2,850	171	285	.83	2.31
19	204	108	217	71	315	0	2,189	2,900	204	489	.02	2.33
20	617	108	486	29	0	0	1,707	2,330	580	1,069	0	2.33

1. Release directed to maintain a flow at Montague of 1,750 cfs June 14; 1,820 cfs June 15 - 20, 2004.

2. Includes conservation release of 100 cfs from Rio Reservoir.

3. The excess-release quantity for the seasonal period beginning June 15, 2004 is 13,556 cfs-days. Under normal conditions, 7,856 cfs-days are to be released and 5,700 cfs-days are to be used for a habitat bank per DRBC Docket No. D-77-20 CP, Revision 7.

Diversions by New Jersey through the Delaware & Raritan Canal June 14 - 20, 2004 averaged 92.7 mgd. The average diversion for the 30-day period ending June 20, 2004 was 91.6 mgd and the maximum diversion during the period was 96 mg on May 28, 2004.

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Summary river data for June 21 - 27, 2004 (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, 2004 to date
	Pepacton	Cannonsville	Neversink	Pepacton	Cannonsville	Neversink	
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
June 21	89	121	40	351	295	0	710
22	90	122	49	352	295	146	713
23	90	129	53	352	295	121	716
24	90	147	57	436	295	96	720
25	90	123	57	452	296	96	725
26	78	258	51	452	296	109	730
27	90	121	57	453	296	107	735

Pepacton Reservoir (P):	Available storage June 28, 2004 (0800) Spillway crest elevation 1,280.00 ft.	135.149 billion gals. 96.4 % (elev. 1,277.24 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage June 28, 2004 (0800) Spillway crest elevation 1,150.00 ft.	91.051 billion gals. 95.1 % (elev. 1,146.94 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage June 28, 2004 (0800) Spillway crest elevation 1,440.00 ft.	33.591 billion gals. 96.1 % (elev. 1,437.24 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage June 28, 2004 (0800) Combined capacity at spillway level.	259.791 billion gals. 95.9 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage June 27, 2004 (2400) Spillway crest elevation 1,190.00 ft.	28.328 billion gals. 79.9 % (elev. 1,186.2 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.
June 21	0	108	218	57	34	0	1,383	1,800	50	1,119	0	2.33
22	0	119	215	42	279	0	1,305	1,960	70	1,189	0	2.33
23	75	130	187	62	256	0	1,235	1,870	70	1,259	.24	2.57
24	144	138	189	76	315	0	1,132	1,850	70	1,329	0	2.57
25	305	139	200	82	323	0	1,076	1,820	70	1,399	0	2.57
26	264	139	227	88	275	0	1,031	1,760	10	1,409	.61	3.18
27	376	139	190	88	0	71	1,262	1,750	0	1,409	.01	3.19

1. Release directed to maintain a flow at Montague of 1,820 cfs.

2. Includes conservation release of 100 cfs from Rio Reservoir.

3. The excess-release quantity for the seasonal period beginning June 15, 2004 is 13,556 cfs-days. Under normal conditions, 7,856 cfs-days are to be released and 5,700 cfs-days are to be used for a habitat bank per DRBC Docket No. D-77-20 CP, Revision 7.

Diversions by New Jersey through the Delaware & Raritan Canal June 21 - 27, 2004 averaged 88.1 mgd. The average diversion for the 30-day period ending June 27, 2004 was 91.2 mgd and the maximum diversion during the period was 94 mg on June 3, 15, 16, and 22, 2004.

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Summary river data for June 28 - July 4, 2004 (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, 2004 to date
	Pepacton	Cannonsville	Neversink	Pepacton	Cannonsville	Neversink	
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
June 28	90	121	57	448	293	95	739
29	90	331	57	453	296	106	743
30	107	231	58	449	293	96	746
July 1	120	240	67	454	296	110	750
2	120	460	67	454	296	97	753
3	120	478	67	454	296	96	755
4	120	529	67	449	296	96	758

Pepacton Reservoir (P):	Available storage July 5, 2004 (0800) Spillway crest elevation 1,280.00 ft.	131.951 billion gals. 94.1 % (elev. 1,275.46 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage July 5, 2004 (0800) Spillway crest elevation 1,150.00 ft.	87.103 billion gals. 91.0 % (elev. 1,144.31 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage July 5, 2004 (0800) Spillway crest elevation 1,440.00 ft.	32.723 billion gals. 93.7 % (elev. 1,435.43 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage July 5, 2004 (0800) Combined capacity at spillway level.	251.777 billion gals. 93.0 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage July 4, 2004 (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	Excess Release Credits ³		Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
June 28	600	139	399	79	0	0	1,333	1,950	183	1,592	0	3.19
29	325	121	187	88	177	0	1,207	1,780	30	1,622	.10	3.29
30	380	139	187	88	229	0	1,057	1,700	-50	1,572	0	3.29
July 1	743	139	512	88	231	0	870	1,840	90	1,662	0	0
2	583	139	357	90	184	0	940	1,710	-40	1,622	.03	.03
3	629	166	371	104	147	0	802	1,590	-160	1,462	0	.03
4	1,002	186	712	104	0	0	698	1,700	-50	1,412	0	.03

1. Release directed to maintain a flow at Montague of 1,820 cfs.

2. Includes conservation release of 100 cfs from Rio Reservoir.

3. The excess-release quantity for the seasonal period beginning June 15, 2004 is 13,556 cfs-days. Under normal conditions, 7,856 cfs-days are to be released and 5,700 cfs-days are to be used for a habitat bank per DRBC Docket No. D-77-20 CP, Revision 7.

Diversions by New Jersey through the Delaware & Raritan Canal June 28 - July 4, 2004 averaged 82.7 mgd. The average diversion for the 30-day period ending July 4, 2004 was 89.5 mgd and the maximum diversion during the period was 94 mg on June 15, 16, and 22, 2004.