

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for August 2 - 8, 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	
Aug. 2	23	66	30	0	0	382	638
3	23	103	81	88	0	286	634
4	23	142	68	86	0	271	630
5	23	136	30	246	98	219	629
6	23	81	18	295	98	211	628
7	23	66	25	32	244	308	628
8	34	73	35	0	299	292	627

Pepacton Reservoir (P):	Available storage Aug. 9, 2004 (0800) Spillway crest elevation 1,280.00 ft.	133.168 billion gals. 95.0 % (elev. 1,276.14 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Aug. 9, 2004 (0800) Spillway crest elevation 1,150.00 ft.	89.606 billion gals. 93.6 % (elev. 1,145.99 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Aug. 9, 2004 (0800) Spillway crest elevation 1,440.00 ft.	33.543 billion gals. 96.0 % (elev. 1,437.14 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Aug. 9, 2004 (0800) Combined capacity at spillway level.	256.317 billion gals. 94.6 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Aug. 8, 2004 (2400) Spillway crest elevation 1,190.00 ft.	22.665 billion gals. 63.9 % (elev. 1,183.1 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 Daily Cumul.	Precipitation (inches)		
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir				Daily	Cumul.	
												Daily
Aug. 2	0	36	62	25	419	195	4,773	5,510	0	5,139	.17	.43
3	0	36	62	25	578	319	3,970	4,990	0	5,139	.01	.44
4	0	36	102	46	580	284	3,132	4,180	0	5,139	0	.44
5	0	36	159	125	439	35	2,886	3,680	0	5,139	.62	1.06
6	0	36	220	105	310	0	3,229	3,900	0	5,139	.02	1.08
7	0	36	210	46	398	167	2,653	3,510	0	5,139	0	1.08
8	0	36	125	28	0	0	2,211	2,400	0	5,139	.01	1.09

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 August 2 - 8, 2004 averaged 94.0 mgd. The average diversion for the 30-day period ending August 8, 2004 was 91.4 mgd and the maximum diversion during the period was 97 mgd on August 4, 2004.

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

Summary river data for August 9 - 15, 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	spill begin 0800	release end 2400	release begin 1500	spill begin 0800	beginning 0800	beginning 0800	beginning 0800	
Aug. 9	56	0	80	49	0	117	299	293	629
10	69	0	80	54	0	449	299	293	634
11	69	0	84	41	0	304	97	29	631
12	64	0	89	23	0	177	5	35	626
13	23	0	57	16	273	0	0	0	617
14	23	0	39	16	511	0	0	0	609
15	23	37	38	16	362	0	0	0	601

Pepacton Reservoir (P):	Available storage Aug. 16, 2004 (0800) Spillway crest elevation 1,280.00 ft.	140.950 billion gals. 100.5 % (elev. 1,280.41 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Aug. 16, 2004 (0800) Spillway crest elevation 1,150.00 ft.	91.705 billion gals. 95.8 % (elev. 1,147.37 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Aug. 16, 2004 (0800) Spillway crest elevation 1,440.00 ft.	35.165 billion gals. 100.6 % (elev. 1,440.45 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Aug. 16, 2004 (0800) Combined capacity at spillway level.	267.820 billion gals. 98.9 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Aug. 15, 2004 (2400) Spillway crest elevation 1,190.00 ft.	25.950 billion gals. 73.2 % (elev. 1,184.9 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.
Aug. 9	0	36	102	39	1	0	1,922	2,100	0	5,139	0	1.09
10	0	36	113	54	400	0	1,747	2,350	0	5,139	0	1.09
11	0	53	124	76	451	0	1,716	2,420	0	5,139	.34	1.43
12	0	87	124	84	535	35	1,895	2,760	0	5,139	.04	1.47
13	70	107	130	63	870	562	30,568	32,300	70	5,209	2.87	4.34
14	0	107	138	36	1,459	1,465	25,695	28,900	0	5,209	.03	4.34
15	0	99	88	25	1,618	1,273	13,197	16,300	0	5,209	0	4.37

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 August 9 - 15, 2004 averaged 90.4 mgd. The average diversion for the 30-day period ending August 15, 2004 was 91.7 mgd and the maximum diversion during the period was 97 mgd on August 4, 2004.

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Summary river data for August 16 - 22, 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	spill begin 0800	release end 2400	release begin 1500	spill begin 0800	beginning 0800	beginning 0800	beginning 0800		
Aug. 16	375	1,083	38	35	344	224	0	0	596	
17	62	1,309	39	137	296	305	0	0	592	
18	425	933	65	139	155	310	0	0	589	
19	478	448	99	119	107	302	0	0	585	
20	473	220	202	30	18	136	0	301	583	
21	302	295	373	77	65	126	0	291	581	
22	304	311	489	32	40	125	0	290	579	

Pepacton Reservoir (P):	Available storage Aug. 23, 2004 (0800) Spillway crest elevation 1,280.00 ft.	140.801 billion gals. 100.4 % (elev. 1,280.33 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Aug. 23, 2004 (0800) Spillway crest elevation 1,150.00 ft.	95.600 billion gals. 99.9 % (elev. 1,149.93 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Aug. 23, 2004 (0800) Spillway crest elevation 1,440.00 ft.	34.946 billion gals. 100.0 % (elev. 1,440.01 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Aug. 23, 2004 (0800) Combined capacity at spillway level.	271.347 billion gals. 100.2 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Aug. 22, 2004 (2400) Spillway crest elevation 1,190.00 ft.	22.482 billion gals. 63.4 % (elev. 1,183.0 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. 16	0	36	60	25	1,618	691	11,270	13,700	0	5,209	.33	4.70
17	0	36	59	25	1,515	266	13,299	15,200	0	5,209	.09	4.79
18	0	36	59	54	1,392	532	10,927	13,000	0	5,209	0	4.79
19	0	580	60	212	1,574	426	7,648	10,500	0	5,209	0	4.79
20	0	96	101	215	1,553	337	6,868	9,170	0	5,209	.01	4.80
21	0	657	153	184	867	0	6,869	8,730	0	5,209	.93	5.73
22	0	739	312	46	499	528	8,276	10,400	0	5,209	.40	6.13

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 August 16 - 22, 2004 averaged 95.9 mgd. The average diversion for the 30-day period ending August 22, 2004 was 92.5 mgd and the maximum diversion during the period was 98 mgd on August 21, 2004.

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Summary river data for August 23 - 29, 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	spill begin 0800	release end 2400	spill begin 0800	release begin 1500	spill begin 0800	beginning 0800	beginning 0800	beginning 0800	
Aug. 23	224	229	549	6	16	106	134	0	310	578
24	343	159	577	10	18	0	132	0	306	576
25	420	60	617	0	25	0	132	0	298	574
26	424	8	502	0	32	0	133	0	306	573
27	284	0	440	0	42	0	1	0	263	569
28	297	0	402	0	45	0	0	149	147	566
29	330	0	393	0	45	0	0	151	210	564

Pepacton Reservoir (P):	Available storage Aug. 30, 2004 (0800) Spillway crest elevation 1,280.00 ft.	140.043 billion gals. 99.9 % (elev. 1,279.92 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Aug. 30, 2004 (0800) Spillway crest elevation 1,150.00 ft.	95.128 billion gals. 99.4 % (elev. 1,149.62 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Aug. 30, 2004 (0800) Spillway crest elevation 1,440.00 ft.	34.033 billion gals. 97.4 % (elev. 1,438.15 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Aug. 30, 2004 (0800) Combined capacity at spillway level.	269.204 billion gals. 99.4 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Aug. 29, 2004 (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. 23	0	732	577	119	440	791	6,091	8,750	0	5,209	0	6.13
24	0	467	756	50	449	323	4,715	6,760	0	5,209	.03	6.16
25	0	470	849	25	550	89	3,767	5,750	0	5,209	0	6.16
26	0	347	893	28	534	106	3,452	5,360	0	5,209	0	6.16
27	0	531	954	39	393	124	2,849	4,890	0	5,209	0	6.16
28	0	650	777	50	606	142	2,365	4,590	0	5,209	0	6.16
29	0	656	681	65	476	35	2,157	4,070	0	5,209	.06	6.22

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 August 23 - 29, 2004 averaged 94.9 mgd. The average diversion for the 30-day period ending August 29, 2004 was 93.8 mgd and the maximum diversion during the period was 98 mgd on August 21, 2004.

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Summary river data for August 30 - September 5, 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	
Aug. 30	330	226	45	215	149	96	563
31	326	162	40	295	150	243	564
Sept. 1	235	259	16	243	0	291	564
2	169	287	16	128	0	291	562
3	81	277	22	144	0	292	561
4	100	237	16	120	0	292	560
5	100	209	16	127	0	292	558

Pepacton Reservoir (P):	Available storage Sept. 6, 2004 (0800) Spillway crest elevation 1,280.00 ft.	138.627 billion gals. 98.9 % (elev. 1,279.15 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Sept. 6, 2004 (0800) Spillway crest elevation 1,150.00 ft.	95.189 billion gals. 99.5 % (elev. 1,149.66 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Sept. 6, 2004 (0800) Spillway crest elevation 1,440.00 ft.	33.533 billion gals. 96.0% (elev. 1,437.12 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Sept. 6, 2004 (0800) Combined capacity at spillway level.	267.349 billion gals. 98.7 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Sept. 5, 2004 (2400) Spillway crest elevation 1,190.00 ft.	19.256 billion gals. 54.3 % (elev. 1,181.2 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.
Aug. 30	0	439	622	70	513	18	2,878	4,540	0	5,209	.01	6.23
31	0	459	608	70	656	294	6,033	8,120	0	5,209	1.26	7.49
Sept. 1	0	511	350	70	584	1,220	6,155	8,890	0	5,209	.01	.01
2	0	511	251	62	568	833	4,475	6,700	0	5,209	0	.01
3	0	504	401	25	602	550	3,198	5,280	0	5,209	0	.01
4	0	364	444	25	616	270	2,651	4,370	0	5,209	0	.01
5	0	261	429	34	377	0	2,309	3,410	0	5,209	0	.01

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 August 30 - September 5, 2004 averaged 93.6 mgd. The average diversion for the 30-day period ending September 5, 2004 was 93.7 mgd and the maximum diversion during the period was 98 mg on August 21, 2004.