

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for September 6 - 12, 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	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800		
Sept. 6	100	194	0	16	128	0	290	557	
7	110	152	0	16	135	0	291	555	
8	105	140	0	16	0	0	143	551	
9	23	347	21	16	0	0	151	547	
10	24	799	32	16	0	0	143	543	
11	37	808	3	16	0	0	309	541	
12	58	579	0	16	0	0	306	539	

Pepacton Reservoir (P):	Available storage Sept. 13, 2004 (0800) Spillway crest elevation 1,280.00 ft.	139.693 billion gals. 99.6 % (elev. 1,279.73 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Sept. 13, 2004 (0800) Spillway crest elevation 1,150.00 ft.	95.508 billion gals. 99.8 % (elev. 1,149.87 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Sept. 13, 2004 (0800) Spillway crest elevation 1,440.00 ft.	33.833 billion gals. 96.8 % (elev. 1,437.74 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Sept. 13, 2004 (0800) Combined capacity at spillway level.	269.034 billion gals. 99.3 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Sept. 12, 2004 (2400) Spillway crest elevation 1,190.00 ft.	19.077 billion gals. 53.8 % (elev. 1,181.1 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.	
	Sept. 6	0	125	367	25	280	0	2,143	2,940	0	5,209	0
7	0	155	323	25	299	71	1,967	2,840	0	5,209	0	.01
8	0	155	300	25	489	184	2,077	3,230	0	5,209	0	.01
9	0	155	235	25	703	316	5,806	7,240	0	5,209	1.89	1.90
10	0	170	217	25	898	770	12,120	14,200	0	5,209	.36	2.26
11	0	162	537	25	1,049	748	9,279	11,800	0	5,209	0	2.26
12	0	36	1,236	25	852	280	6,411	8,840	0	5,209	0	2.26

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 September 6 - 12, 2004 averaged 93.9 mgd. The average diversion for the 30-day period ending September 12, 2004 was 94.3 mgd and the maximum diversion during the period was 98 mg on August 21, 2004.

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Summary river data for September 13 - 19, 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		
Sept. 13	76	0	458	0	16	0	0	0	307	537	
14	85	0	379	0	16	0	134	0	306	536	
15	87	0	315	0	21	0	244	0	177	535	
16	90	0	285	0	16	0	239	0	190	534	
17	69	279	260	111	16	0	347	0	141	533	
18	23	9,118	115	4,392	16	1,389	0	0	0	528	
19	23	4,963	37	5,844	16	656	0	0	0	524	

Pepacton Reservoir (P):	Available storage Sept. 20, 2004 (0800) Spillway crest elevation 1,280.00 ft.	143.219 billion gals. 102.2 % (elev. 1,281.63 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Sept. 20, 2004 (0800) Spillway crest elevation 1,150.00 ft.	102.530 billion gals. 107.1 % (elev. 1,154.24 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Sept. 20, 2004 (0800) Spillway crest elevation 1,440.00 ft.	35.204 billion gals. 100.8 % (elev. 1,440.53 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Sept. 20, 2004 (0800) Combined capacity at spillway level.	280.953 billion gals. 103.7 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Sept. 19, 2004 (2400) Spillway crest elevation 1,190.00 ft.	29.628 billion gals. 83.6 % (elev. 1,186.9 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.
Sept. 13	0	37	1,250	25	983	117	4,698	7,110	0	5,209	0	2.26
14	0	57	896	25	880	461	3,791	6,110	0	5,209	0	2.26
15	0	90	709	25	856	443	3,357	5,480	0	5,209	0	2.26
16	0	118	586	25	937	195	3,029	4,890	0	5,209	.05	2.31
17	0	131	487	32	991	443	2,776	4,860	0	5,209	.01	2.32
18	0	135	441	25	1,008	706	79,885	82,200	0	5,209	4.54	6.86
19	0	139	402	25	992	2,489	111,953	116,000	0	5,209	.70	7.56

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 September 13 - 19, 2004 averaged 94.3 mgd. The average diversion for the 30-day period ending September 19, 2004 was 94.3 mgd and the maximum diversion during the period was 98 mg on August 21 and September 18, 2004.

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Summary river data for September 20 - 26, 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	
Sept. 20	23	2,554	35	3,748	16	407	0	0	0	519
21	23	1,609	29	2,500	16	141	0	0	278	517
22	23	1,116	30	1,770	16	5	0	0	289	515
23	365	682	172	1,253	16	0	383	0	363	517
24	479	204	994	636	16	0	348	0	384	519
25	479	75	995	282	16	0	0	0	384	517
26	476	55	994	93	16	0	0	0	385	516

Pepacton Reservoir (P):	Available storage Sept. 27, 2004 (0800) Spillway crest elevation 1,280.00 ft.	140.356 billion gals. 100.1 % (elev. 1,280.09 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Sept. 27, 2004 (0800) Spillway crest elevation 1,150.00 ft.	95.980 billion gals. 100.3 % (elev. 1,150.17 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Sept. 27, 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 Sept. 27, 2004 (0800) Combined capacity at spillway level.	270.369 billion gals. 99.8 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Sept. 26, 2004 (2400) Spillway crest elevation 1,190.00 ft.	27.227 billion gals. 76.8 % (elev. 1,185.6 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.
Sept. 20	0	107	178	25	1,603	7,996	39,291	49,200	0	5,209	0	7.56
21	0	36	57	25	1,547	4,504	24,831	31,000	0	5,209	0	7.56
22	0	36	54	25	1,560	2,812	17,613	22,100	0	5,209	0	7.56
23	0	36	45	25	1,566	1,582	13,546	16,800	0	5,209	0	7.56
24	0	36	46	25	1,563	801	11,529	14,000	0	5,209	.0	7.56
25	0	36	266	25	1,557	447	10,069	12,400	0	5,209	0	7.56
26	0	565	1,538	25	647	0	5,925	8,700	0	5,209	.03	7.59

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 September 20 - 26, 2004 averaged 90.4 mgd. The average diversion for the 30-day period ending September 26, 2004 was 93.1 mgd and the maximum diversion during the period was 99 mg on September 23 and 24, 2004.

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Summary river data for September 27 - October 3, 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	beginning 0800	beginning 0800	beginning 0800	
Sept. 27	387	17	730	20	16	212	0	385	517
28	414	247	527	111	16	27	0	142	514
29	414	578	983	236	16	0	0	311	512
30	220	609	1,333	84	16	0	0	384	511
Oct. 1	431	604	1,058	43	16	0	0	384	510
2	435	432	916	20	16	0	0	385	509
3	435	373	867	14	16	0	0	356	508

Pepacton Reservoir (P):	Available storage Oct. 4, 2004 (0800) Spillway crest elevation 1,280.00 ft.	140.857 billion gals. 100.5 % (elev. 1,280.36 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Oct. 4, 2004 (0800) Spillway crest elevation 1,150.00 ft.	95.770 billion gals. 100.1 % (elev. 1,150.04 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Oct. 4, 2004 (0800) Spillway crest elevation 1,440.00 ft.	34.374 billion gals. 98.4 % (elev. 1,438.85 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Oct. 4, 2004 (0800) Combined capacity at spillway level.	271.001 billion gals. 100.1 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Oct. 3, 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.
Sept. 27	0	741	1,539	25	858	106	4,531	7,800	0	5,209	0	7.59
28	0	741	1,538	25	827	539	4,930	8,600	0	5,209	1.06	8.65
29	0	736	1,129	25	871	1,152	16,187	20,100	0	5,209	.97	9.62
30	0	599	815	25	799	1,340	14,922	18,500	0	5,209	.02	9.64
Oct. 1	0	640	1,521	25	903	773	11,838	15,700	0	5,209	.22	.22
2	0	640	2,062	25	886	1,337	7,850	12,800	0	5,209	0	.22
3	0	340	1,637	25	906	779	7,813	11,500	0	5,209	.07	.29

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 September 27 - October 3, 2004 averaged 71.6 mgd. The average diversion for the 30-day period ending October 3, 2004 was 87.9 mgd and the maximum diversion during the period was 99 mg on September 23 and 24, 2004.