

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for September 2 - 8, 2013 (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, 2013 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Sept. 2	97	303	65	300	203	0	563
3	97	306	65	478	203	0	564
4	97	308	65	500	203	101	566
5	97	308	65	500	201	0	568
6	97	307	65	500	127	0	568
7	97	308	65	499	0	0	568
8	97	302	65	499	0	0	567

Pepacton Reservoir (P):	Available storage Sept. 9, 2013 (0800) Spillway crest elevation 1,280.00 ft.	118.529 billion gals. 84.5 % (elev. 1,267.73 ft.) 140.286 billion gallons.
Cannonsville Reservoir (C):	Available storage Sept. 9, 2013 (0800) Spillway crest elevation 1,150.00 ft.	83.099 billion gals. 86.8 % (elev. 1,141.54 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Sept. 9, 2013 (0800) Spillway crest elevation 1,440.00 ft.	28.149 billion gals. 80.6 % (elev. 1,425.41 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Sept. 9, 2013 (0800) Combined capacity at spillway level.	229.777 billion gals. 84.8 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Sept. 8, 2013 (2400) Spillway crest elevation 1,190.00 ft.	17.490 billion gals. 49.3 % (elev. 1,180.2 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 <sup>2</sup>	Total Discharge	Precipitation (inches)	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	Sept. 2	0	139	498	107	257	0	2,809	3,810	.09
3	0	141	484	101	273	106	3,675	4,780	.68	.91
4	0	150	469	101	174	567	5,419	6,880	0	.91
5	0	150	473	101	188	124	3,754	4,790	.01	.92
6	0	150	476	101	79	124	2,920	3,850	0	.92
7	0	150	476	101	88	177	2,438	3,430	0	.92
8	0	150	475	101	273	89	1,892	2,980	0	.92

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

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

Diversions by New Jersey through the D&R Canal September 2 - 8, 2013 averaged 78.7 mgd. The average diversion for the 30-day period ending September 8, 2013 was 75.5 mgd and the maximum daily mean diversion was 82 mgd on September 8, 2013.

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Summary river data for September 9 - 15, 2013 (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, 2013 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Sept. 9	97	306	65	495	171	0	568
10	97	308	65	500	202	0	569
11	97	307	65	500	279	102	572
12	97	309	65	397	298	0	573
13	97	310	65	402	298	34	575
14	97	310	65	402	298	0	576
15	97	310	65	385	285	0	577

Pepacton Reservoir (P):	Available storage Sept. 16, 2013 (0800) Spillway crest elevation 1,280.00 ft.	118.462 billion gals. 84.5 % (elev. 1,267.69 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Sept. 16, 2013 (0800) Spillway crest elevation 1,150.00 ft.	82.666 billion gals. 86.4 % (elev. 1,141.24 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Sept. 16, 2013 (0800) Spillway crest elevation 1,440.00 ft.	27.896 billion gals. 79.8 % (elev. 1,424.83 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Sept. 16, 2013 (0800) Combined capacity at spillway level.	229.024 billion gals. 84.6 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Sept. 15, 2013 (2400) Spillway crest elevation 1,190.00 ft.	16.610 billion gals. 46.9 % (elev. 1,179.7 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 <sup>2</sup>	Total Discharge	Precipitation (inches)	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	Sept. 9	0	150	476	101	105	124	1,714	2,670	0
10	0	150	467	101	365	230	1,587	2,900	.05	.97
11	0	150	473	101	455	337	1,494	3,010	.04	1.01
12	0	150	476	101	459	426	1,668	3,280	.40	1.41
13	0	150	475	101	184	372	2,508	3,790	.59	2.00
14	0	150	478	101	134	319	2,558	3,740	.01	2.01
15	0	150	480	101	0	195	2,354	3,280	0	2.01

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

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

Diversions by New Jersey through the D&R Canal September 9 - 15, 2013 averaged 82.1 mgd. The average diversion for the 30-day period ending September 15, 2013 was 78.2 mgd and the maximum daily mean diversion was 85 mg on September 14, 2013.

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Summary river data for September 16 - 22, 2013 (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, 2013 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Sept. 16	97	268	65	373	322	0	578
17	97	246	65	396	338	0	580
18	97	241	65	396	285	0	580
19	97	245	65	370	412	0	582
20	97	244	65	401	215	0	583
21	97	240	65	401	237	0	583
22	97	242	65	296	226	0	583

Pepacton Reservoir (P):	Available storage Sept. 23, 2013 (0800) Spillway crest elevation 1,280.00 ft.	116.997 billion gals. 83.5 % (elev. 1,266.82 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Sept. 23, 2013 (0800) Spillway crest elevation 1,150.00 ft.	80.874 billion gals. 84.5 % (elev. 1,140.00 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Sept. 23, 2013 (0800) Spillway crest elevation 1,440.00 ft.	27.675 billion gals. 79.2 % (elev. 1,424.32 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Sept. 23, 2013 (0800) Combined capacity at spillway level.	225.546 billion gals. 83.3 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Sept. 22, 2013 (2400) Spillway crest elevation 1,190.00 ft.	16.434 billion gals. 46.4 % (elev. 1,179.6 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 <sup>2</sup>	Total Discharge	Precipitation	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			(inches)	
							Daily	Cumul.		
Sept. 16	0	150	480	101	0	195	2,004	2,930	.02	2.03
17	0	150	480	101	0	71	1,788	2,590	0	2.03
18	0	150	415	101	16	0	1,658	2,340	0	2.03
19	0	150	381	101	11	0	1,577	2,220	0	2.03
20	92	150	373	101	0	0	1,436	2,060	0	2.03
21	199	150	379	101	78	0	1,382	2,090	0	2.03
22	0	150	377	101	311	195	1,456	2,590	.50	2.53

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

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

Diversion by New Jersey through the D&R Canal September 16 - 22, 2013 are currently unavailable.

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Summary river data for September 23 - 29, 2013 (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, 2013 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Sept. 23	97	245	65	385	358	0	584
24	97	245	65	401	373	0	586
25	97	244	65	401	373	0	587
26	97	256	65	377	372	0	589
27	97	293	65	441	217	0	589
28	97	484	65	449	238	0	590
29	97	552	65	431	226	0	591

Pepacton Reservoir (P):	Available storage Sept. 30, 2013 (0800) Spillway crest elevation 1,280.00 ft.	114.296 billion gals. 81.5 % (elev. 1,265.20 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Sept. 30, 2013 (0800) Spillway crest elevation 1,150.00 ft.	77.379 billion gals. 80.9 % (elev. 1,137.47 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Sept. 30, 2013 (0800) Spillway crest elevation 1,440.00 ft.	27.378 billion gals. 78.4 % (elev. 1,423.63 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Sept. 30, 2013 (0800) Combined capacity at spillway level.	219.053 billion gals. 80.9 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Sept. 29, 2013 (2400) Spillway crest elevation 1,190.00 ft.	15.378 billion gals. 43.4 % (elev. 1,179.0 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 <sup>2</sup>	Total Discharge	Precipitation (inches)	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	Sept. 23	16	150	371	101	7	18	1,473	2,120	0
24	0	150	374	101	312	0	1,383	2,320	0	2.53
25	34	150	379	101	430	0	1,270	2,330	0	2.53
26	0	150	379	101	361	0	1,179	2,170	0	2.53
27	82	150	377	101	287	0	1,055	1,970	0	2.53
28	647	150	396	101	0	0	963	1,610	0	2.53
29	700	150	453	101	17	0	889	1,610	0	2.53

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

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

Diversions by New Jersey through the D&R Canal September 23 - 29, 2013 averaged 89.6 mgd. The average diversion for the 30-day period ending September 29, 2013 is currently unavailable. The maximum daily mean diversion for the 30-day period ending September 29, 2013 is currently unavailable.