

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for November 7 - 13, 2005 (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, 2005 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Nov. 7	59	29	16	248	0	272	618
8	59	29	16	283	0	272	617
9	54	29	16	282	0	272	617
10	44	30	16	321	0	272	617
11	31	30	16	377	0	269	617
12	23	30	16	393	0	269	617
13	29	30	16	393	0	269	617

Pepacton Reservoir (P):	Available storage Nov. 14, 2005 (0800) Spillway crest elevation 1,280.00 ft.	103.073 billion gals. 73.5 % (elev. 1,258.25 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Nov. 14, 2005 (0800) Spillway crest elevation 1,150.00 ft.	48.203 billion gals. 50.4 % (elev. 1,114.25 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Nov. 14, 2005 (0800) Spillway crest elevation 1,440.00 ft.	30.255 billion gals. 86.6 % (elev. 1,430.13 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Nov. 14, 2005 (0800) Combined capacity at spillway level.	181.531 billion gals. 67.0 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Nov. 13, 2005 (2400) Spillway crest elevation 1,190.00 ft.	22.124 billion gals. 62.4 % (elev. 1,182.8 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	Excess Release Credits <sup>3</sup>		Precipitation (inches)	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
Nov. 7	0	63	46	25	759	0	3,397	4,290	0	4,629	.22	.36
8	0	76	45	25	541	0	3,503	4,190	0	4,629	0	.36
9	0	91	45	25	521	40	3,258	3,980	0	4,629	0	.36
10	0	91	45	25	743	344	3,562	4,810	0	4,629	.53	.89
11	0	91	45	25	637	344	4,728	5,870	0	4,629	0	.89
12	0	84	46	25	433	390	4,182	5,160	0	4,629	0	.89
13	0	68	46	25	0	387	3,704	4,230	0	4,629	0	.89

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

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

3. The excess-release quantity for the seasonal period beginning June 15, 2005 is 11,418 cfs-days. Under normal conditions, 5,718 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 and Raritan Canal November 7 - 13, 2005 averaged 34.0 mgd. The average diversion for the 30-day period ending November 13, 2005 was 44.7 mgd and the maximum diversion during the period was 82 mg on October 24, 2005.

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Summary river data for November 14 - 20, 2005 (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, 2005 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Nov. 14	47	30	16	398	0	272	618
15	32	30	16	399	0	272	618
16	23	30	16	399	0	271	618
17	23	29	16	399	0	271	619
18	23	30	16	261	0	271	618
19	23	30	16	262	0	272	618
20	23	30	16	264	0	271	617

Pepacton Reservoir (P):	Available storage Nov. 21, 2005 (0800) Spillway crest elevation 1,280.00 ft.	106.868 billion gals. 76.2 % (elev. 1,260.64 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Nov. 21, 2005 (0800) Spillway crest elevation 1,150.00 ft.	56.580 billion gals. 59.1 % (elev. 1,121.40 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Nov. 21, 2005 (0800) Spillway crest elevation 1,440.00 ft.	29.946 billion gals. 85.7 % (elev. 1,429.45 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Nov. 21, 2005 (0800) Combined capacity at spillway level.	193.394 billion gals. 71.4 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Nov. 20, 2005 (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 <sup>2</sup>	Total Discharge	Excess Release Credits <sup>3</sup>		Precipitation (inches)	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
Nov. 14	0	48	46	25	0	252	3,389	3,760	0	4,629	0	.89
15	0	36	46	25	481	0	3,242	3,830	0	4,629	.28	1.17
16	0	45	46	25	386	64	3,944	4,510	0	4,629	.06	1.23
17	0	73	46	25	483	163	7,960	8,750	0	4,629	.72	1.95
18	0	50	46	25	491	96	9,692	10,400	0	4,629	0	1.95
19	0	36	45	25	387	330	6,977	7,800	0	4,629	0	1.95
20	0	36	46	25	0	89	6,064	6,260	***	***	0	1.95

1. Release directed to maintain a flow at Montague of 1,800 cfs November 14 - 19; 1,750 cfs November 20.

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

3. The excess-release quantity for the seasonal period beginning June 15, 2005 is 11,418 cfs-days. Under normal conditions, 5,718 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. Note \*\*\* On July 20, 2005, the Decree Parties unanimously agreed to suspend release of the downbasin portion of the excess release quantity from design dates July 20 - August 2, 2005 (Montague dates July 23 - August 5, 2005). The agreement has been extended from November 17 to December 15, 2005 (Montague date December 18, 2005).

Diversions by New Jersey through the Delaware and Raritan Canal November 14 - 20, 2005 averaged 61.3 mgd. The average diversion for the 30-day period ending November 20, 2005 was 48.5 mgd and the maximum diversion during the period was 90 mg on November 20, 2005.

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Summary river data for November 21 - 27, 2005 (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, 2005 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Nov. 21	23	30	16	267	0	271	617
22	23	30	16	268	0	271	616
23	23	30	16	268	0	271	616
24	23	30	16	268	0	271	615
25	33	30	16	260	0	271	615
26	51	31	16	0	0	271	613
27	63	41	16	0	0	271	611

Pepacton Reservoir (P):	Available storage Nov. 28, 2005 (0800) Spillway crest elevation 1,280.00 ft.	109.251 billion gals. 77.9 % (elev. 1,262.12 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Nov. 28, 2005 (0800) Spillway crest elevation 1,150.00 ft.	61.333 billion gals. 64.1 % (elev. 1,125.28 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Nov. 28, 2005 (0800) Spillway crest elevation 1,440.00 ft.	29.172 billion gals. 83.5 % (elev. 1,427.73 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Nov. 28, 2005 (0800) Combined capacity at spillway level.	199.756 billion gals. 73.8 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Nov. 27, 2005 (2400) Spillway crest elevation 1,190.00 ft.	23.395 billion gals. 66.0 % (elev. 1,183.5 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 <sup>2</sup>	Total Discharge	Excess Release Credits <sup>3</sup>		Precipitation (inches)	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
	Nov. 21	0	36	46	25	0	177	5,306	5,590	***	***	0
22	0	36	46	25	503	163	5,337	6,110	***	***	.36	2.31
23	0	36	46	25	210	284	6,069	6,670	***	***	.05	2.36
24	0	36	46	25	172	486	5,365	6,130	***	***	.04	2.40
25	0	36	46	25	303	645	4,645	5,700	***	***	.06	2.46
26	0	36	46	25	282	567	4,124	5,080	***	***	0	2.46
27	0	36	46	25	0	411	3,662	4,180	***	***	.03	2.49

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

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

3. The excess-release quantity for the seasonal period beginning June 15, 2005 is 11,418 cfs-days. Under normal conditions, 5,718 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. Note \*\*\* On July 20, 2005, the Decree Parties unanimously agreed to suspend release of the downbasin portion of the excess release quantity from design dates July 20 - August 2, 2005 (Montague dates July 23 -August 5, 2005). The agreement has been extended from November 17 to December 15, 2005 (Montague date December 18, 2005).

Diversions by New Jersey through the Delaware and Raritan Canal November 21 - 27, 2005 averaged 86.0 mgd. The average diversion for the 30-day period ending November 27, 2005 was 53.6 mgd and the maximum diversion during the period was 92 mg on November 26 and 27, 2005.

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Summary river data for November 28 - December 4, 2005 (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, 2005 to date
	release begin 1200	release end 2400	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Nov. 28	52	39	16	0	0	271	609
29	27	29	16	0	0	17	606
30	23	30	16	0	0	0	603
Dec. 1	23	30	16	0	0	0	599
2	23	30	16	0	0	0	596
3	23	30	16	0	0	0	593
4	23	30	16	0	0	0	590

Pepacton Reservoir (P):	Available storage Dec. 5, 2005 (0800) Spillway crest elevation 1,280.00 ft.	119.121 billion gals. 85.0 % (elev. 1,268.08 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Dec. 5, 2005 (0800) Spillway crest elevation 1,150.00 ft.	72.788 billion gals. 76.1 % (elev. 1,134.11 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Dec. 5, 2005 (0800) Spillway crest elevation 1,440.00 ft.	32.647 billion gals. 93.4 % (elev. 1,435.27 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Dec. 5, 2005 (0800) Combined capacity at spillway level.	224.556 billion gals. 82.9 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Dec. 4, 2005 (2400) Spillway crest elevation 1,190.00 ft.	26.497 billion gals. 74.7 % (elev. 1,185.2 ft.) 35.451 billion gallons.

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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	Excess Release Credits <sup>3</sup>		Precipitation (inches)	
	Directed release <sup>1</sup>	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
Nov. 28	0	51	48	25	0	305	3,551	3,980	***	***	.01	2.50
29	0	79	63	25	157	0	3,676	4,000	***	***	0	2.50
30	0	97	60	25	213	103	14,502	15,000	***	***	1.41	3.91
Dec. 1	0	80	45	25	384	752	20,314	21,600	***	***	0	0
2	0	42	46	25	453	777	13,057	14,400	***	***	0	0
3	0	36	46	25	681	773	10,139	11,700	***	***	.02	.02
4	0	36	46	25	658	773	8,342	9,880	***	***	.08	.10

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

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

3. The excess-release quantity for the seasonal period beginning June 15, 2005 is 11,418 cfs-days. Under normal conditions, 5,718 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. Note \*\*\* On July 20, 2005, the Decree Parties unanimously agreed to suspend release of the downbasin portion of the excess release quantity from design dates July 20 - August 2, 2005 (Montague dates July 23 -August 5, 2005). The agreement has been extended from November 17 to December 15, 2005 (Montague date December 18, 2005).

Diversions by New Jersey through the Delaware and Raritan Canal November 28 - December 4, 2005 averaged 85.9 mgd. The average diversion for the 30-day period ending December 4, 2005 was 63.4 mgd and the maximum diversion during the period was 94 mg on November 28 and 29, 2005.