

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for October 29 - November 4, 2012 (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 | | Average June 1, 2012 to date | |
| | release begin 1200 | release end 2400 | release begin 1500 | spill begin 0800 | beginning 0800 | beginning 0800 | | beginning 0800 |
| Oct. 29 | 65 | 97 | 64 | 137 | 0 | 0 | 0 | 605 |
| 30 | 65 | 97 | 123 | 634 | 495 | 311 | 0 | 606 |
| 31 | 65 | 97 | 123 | 601 | 572 | 460 | 0 | 609 |
| Nov. 1 | 65 | 98 | 122 | 359 | 578 | 428 | 0 | 612 |
| 2 | 65 | 96 | 122 | 248 | 573 | 47 | 0 | 612 |
| 3 | 65 | 96 | 123 | 153 | 599 | 0 | 0 | 612 |
| 4 | 67 | 100 | 128 | 127 | 580 | 0 | 0 | 611 |

| | | |
|-----------------------------|--|---|
| Pepacton Reservoir (P): | Available storage Nov. 5, 2012 (0800) Spillway crest elevation 1,280.00 ft. | 105.177 billion gals. 75.0 % (elev. 1,259.58 ft.) 140.190 billion gallons. |
| Cannonsville Reservoir (C): | Available storage Nov. 5, 2012 (0800) Spillway crest elevation 1,150.00 ft. | 69.225 billion gals. 72.3 % (elev. 1,131.42 ft.) 95.706 billion gallons. |
| Neversink Reservoir (N): | Available storage Nov. 5, 2012 (0800) Spillway crest elevation 1,440.00 ft. | 35.050 billion gals. 100.3 % (elev. 1,440.22 ft.) 34.941 billion gallons. |
| Combined contents, PCN: | Available storage Nov. 5, 2012 (0800) Combined capacity at spillway level. | 209.452 billion gals. 77.3 % 270.837 billion gallons. |
| Lake Wallenpaupack: | Available storage Nov. 4, 2012 (2400) Spillway crest elevation 1,190.00 ft. | 20.332 billion gals. 57.4 % (elev. 1,181.8 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 ² | Total Discharge | Precipitation (inches) | |
|--------|----------------------------------|----------|-------------------|----------------|--------------------|------------------|--|--------------------|---------------------------|--------|
| | Directed release ¹ | Pepacton | Cannons- ville | Never- sink | Wallen- paupack | Rio Reservoir | | | Daily | Cumul. |
| | | | | | | | Oct. 29 | 0 | | |
| 30 | 0 | 101 | 150 | 183 | 1,022 | 71 | 6,023 | 7,550 | .84 | 4.91 |
| 31 | 0 | 101 | 150 | 99 | 746 | 0 | 11,304 | 12,400 | .27 | 5.18 |
| Nov. 1 | 0 | 101 | 150 | 190 | 679 | 0 | 10,780 | 11,900 | .02 | .02 |
| 2 | 0 | 101 | 150 | 190 | 748 | 0 | 8,491 | 9,680 | .03 | .05 |
| 3 | 0 | 101 | 152 | 189 | 498 | 0 | 6,980 | 7,920 | .02 | .07 |
| 4 | 0 | 101 | 149 | 189 | 0 | 0 | 6,191 | 6,630 | .01 | .08 |

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 October 29 - November 4, 2012, averaged 58.9 Mgal/d.

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

Summary river data for November 5 - 11, 2012 (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 | | Average June 1, 2012 to date | |
| | release begin 1200 | release end 2400 | release begin 1500 | spill begin 0800 | beginning 0800 | beginning 0800 | | beginning 0800 |
| Nov. 5 | 97 | 126 | 123 | 108 | 574 | 0 | 0 | 611 |
| 6 | 97 | 146 | 123 | 91 | 483 | 0 | 0 | 610 |
| 7 | 97 | 146 | 123 | 74 | 495 | 0 | 0 | 610 |
| 8 | 97 | 146 | 123 | 36 | 500 | 180 | 0 | 610 |
| 9 | 97 | 146 | 123 | 20 | 495 | 293 | 0 | 611 |
| 10 | 97 | 146 | 123 | 19 | 495 | 304 | 0 | 612 |
| 11 | 97 | 146 | 123 | 11 | 494 | 304 | 0 | 613 |

| | | |
|-----------------------------|---|---|
| Pepacton Reservoir (P): | Available storage Nov. 12, 2012 (0800) Spillway crest elevation 1,280.00 ft. | 104.240 billion gals. 74.4 % (elev. 1,258.99 ft.) 140.190 billion gallons. |
| Cannonsville Reservoir (C): | Available storage Nov. 12, 2012 (0800) Spillway crest elevation 1,150.00 ft. | 70.682 billion gals. 73.9 % (elev. 1,132.52 ft.) 95.706 billion gallons. |
| Neversink Reservoir (N): | Available storage Nov. 12, 2012 (0800) Spillway crest elevation 1,440.00 ft. | 34.956 billion gals. 100.0 % (elev. 1,440.03 ft.) 34.941 billion gallons. |
| Combined contents, PCN: | Available storage Nov. 12, 2012 (0800) Combined capacity at spillway level. | 209.878 billion gals. 77.5 % 270.837 billion gallons. |
| Lake Wallenpaupack: | Available storage Nov. 11, 2012 (2400) Spillway crest elevation 1,190.00 ft. | 20.332 billion gals. 57.4 % (elev. 1,181.8 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 ² | Total Discharge | Precipitation (inches) | |
|------|----------------------------------|----------|-------------------|----------------|--------------------|------------------|--|--------------------|---------------------------|--------|
| | Directed release ¹ | Pepacton | Cannons- ville | Never- sink | Wallen- paupack | Rio Reservoir | | | Daily | Cumul. |
| | Nov. 5 | 0 | 101 | 149 | 198 | 0 | 195 | 5,447 | 6,090 | 0 |
| 6 | 0 | 104 | 155 | 190 | 456 | 177 | 4,758 | 5,840 | 0 | .08 |
| 7 | 0 | 107 | 195 | 190 | 537 | 177 | 4,254 | 5,460 | 0 | .08 |
| 8 | 0 | 150 | 226 | 190 | 539 | 177 | 3,808 | 5,090 | 0 | .08 |
| 9 | 0 | 150 | 226 | 190 | 527 | 160 | 3,537 | 4,790 | 0 | .08 |
| 10 | 0 | 150 | 226 | 190 | 441 | 177 | 3,176 | 4,360 | 0 | .08 |
| 11 | 0 | 150 | 226 | 190 | 0 | 177 | 2,997 | 3,740 | 0 | .08 |

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 November 5 - 11, 2012 are currently unavailable.

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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

Summary river data for November 12 - 18, 2012 (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 | | Average June 1, 2012 to date | |
| | release begin 1200 | release end 2400 | release begin 1500 | spill begin 0800 | beginning 0800 | beginning 0800 | | beginning 0800 |
| Nov. 12 | 97 | 146 | 123 | 4 | 494 | 304 | 0 | 615 |
| 13 | 96 | 145 | 123 | 58 | 494 | 301 | 0 | 616 |
| 14 | 97 | 146 | 123 | 86 | 494 | 304 | 0 | 617 |
| 15 | 97 | 146 | 123 | 65 | 495 | 304 | 0 | 618 |
| 16 | 97 | 146 | 123 | 43 | 397 | 304 | 0 | 618 |
| 17 | 97 | 146 | 123 | 28 | 396 | 304 | 0 | 619 |
| 18 | 97 | 146 | 123 | 17 | 396 | 301 | 0 | 619 |

| | | |
|-----------------------------|---|---|
| Pepacton Reservoir (P): | Available storage Nov. 19, 2012 (0800) Spillway crest elevation 1,280.00 ft. | 103.121 billion gals. 73.6 % (elev. 1,258.28 ft.) 140.190 billion gallons. |
| Cannonsville Reservoir (C): | Available storage Nov. 19, 2012 (0800) Spillway crest elevation 1,150.00 ft. | 70.907 billion gals. 74.1 % (elev. 1,132.69 ft.) 95.706 billion gallons. |
| Neversink Reservoir (N): | Available storage Nov. 19, 2012 (0800) Spillway crest elevation 1,440.00 ft. | 34.956 billion gals. 100.0 % (elev. 1,440.03 ft.) 34.941 billion gallons. |
| Combined contents, PCN: | Available storage Nov. 19, 2012 (0800) Combined capacity at spillway level. | 208.984 billion gals. 77.2 % 270.837 billion gallons. |
| Lake Wallenpaupack: | Available storage Nov. 18, 2012 (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 | Precipitation (inches) | |
|------|----------------------------------|----------|-------------------|----------------|--------------------|------------------|--|--------------------|---------------------------|--------|
| | Directed release ¹ | Pepacton | Cannons- ville | Never- sink | Wallen- paupack | Rio Reservoir | | | Daily | Cumul. |
| | | | | | | | Nov. 12 | 0 | | |
| 13 | 0 | 150 | 226 | 190 | 104 | 106 | 3,264 | 4,040 | .71 | .79 |
| 14 | 0 | 150 | 226 | 190 | 290 | 106 | 4,898 | 5,860 | .09 | .88 |
| 15 | 0 | 150 | 224 | 190 | 245 | 106 | 4,625 | 5,540 | 0 | .88 |
| 16 | 0 | 149 | 226 | 190 | 187 | 89 | 3,929 | 4,770 | 0 | .88 |
| 17 | 0 | 150 | 226 | 190 | 331 | 71 | 3,442 | 4,410 | 0 | .88 |
| 18 | 0 | 150 | 226 | 190 | 0 | 71 | 3,253 | 3,890 | 0 | .88 |

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 November 12 - 18, 2012 averaged 73.3 mgd. The average diversion for the 30-day period ending November 18, 2012 was 66.3 mgd and the maximum diversion was 78 mgd on November 16, 2012.

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

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Summary river data for November 19 - 25, 2012 (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 | | Average June 1, 2012 to date | |
| | release begin 1200 | release end 2400 | release begin 1500 | spill begin 0800 | beginning 0800 | beginning 0800 | | beginning 0800 |
| Nov. 19 | 97 | 144 | 123 | 3 | 396 | 304 | 0 | 620 |
| 20 | 97 | 144 | 123 | 0 | 396 | 304 | 0 | 621 |
| 21 | 97 | 148 | 123 | 0 | 396 | 304 | 0 | 621 |
| 22 | 97 | 148 | 123 | 0 | 396 | 304 | 0 | 621 |
| 23 | 97 | 145 | 123 | 0 | 396 | 304 | 0 | 622 |
| 24 | 97 | 144 | 123 | 0 | 396 | 304 | 0 | 622 |
| 25 | 96 | 145 | 123 | 0 | 397 | 301 | 0 | 623 |

| | | |
|-----------------------------|---|---|
| Pepacton Reservoir (P): | Available storage Nov. 26, 2012 (0800) Spillway crest elevation 1,280.00 ft. | 101.617 billion gals. 72.5 % (elev. 1,257.32 ft.) 140.190 billion gallons. |
| Cannonsville Reservoir (C): | Available storage Nov. 26, 2012 (0800) Spillway crest elevation 1,150.00 ft. | 70.046 billion gals. 73.2 % (elev. 1,132.04 ft.) 95.706 billion gallons. |
| Neversink Reservoir (N): | Available storage Nov. 26, 2012 (0800) Spillway crest elevation 1,440.00 ft. | 34.680 billion gals. 99.3 % (elev. 1,439.47 ft.) 34.941 billion gallons. |
| Combined contents, PCN: | Available storage Nov. 26, 2012 (0800) Combined capacity at spillway level. | 206.343 billion gals. 76.2 % 270.837 billion gallons. |
| Lake Wallenpaupack: | Available storage Nov. 25, 2012 (2400) Spillway crest elevation 1,190.00 ft. | 21.586 billion gals. 60.9 % (elev. 1,182.5 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 | Precipitation (inches) | |
|------|----------------------------------|----------|-------------------|----------------|--------------------|------------------|--|--------------------|---------------------------|--------|
| | Directed release ¹ | Pepacton | Cannons- ville | Never- sink | Wallen- paupack | Rio Reservoir | | | Daily | Cumul. |
| | Nov. 19 | 0 | 150 | 226 | 190 | 63 | 35 | 3,086 | 3,750 | 0 |
| 20 | 0 | 150 | 226 | 190 | 485 | 195 | 2,914 | 4,160 | 0 | .88 |
| 21 | 0 | 150 | 223 | 190 | 426 | 124 | 2,767 | 3,880 | 0 | .88 |
| 22 | 0 | 150 | 223 | 190 | 347 | 124 | 2,586 | 3,620 | 0 | .88 |
| 23 | 0 | 150 | 229 | 190 | 0 | 0 | 2,581 | 3,150 | 0 | .88 |
| 24 | 0 | 150 | 229 | 190 | 0 | 89 | 2,442 | 3,100 | .04 | .92 |
| 25 | 0 | 150 | 224 | 190 | 0 | 0 | 2,426 | 2,990 | 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 November 19 - 25, 2012 averaged 68.8 mgd. The average diversion for the 30-day period ending November 25, 2012 was 67.7 mgd and the maximum diversion was 78 mgd on November 16, 2012.