

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA
 Web address: <http://water.usgs.gov/osw/odrm>
 Summary river data for September 28th – October 4th, 2019 (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 |
| | Spill Begin 1200 | Release begin 1200 | Spill begin 2400 | Release end 2400 | Spill begin 1500 | Release begin 1500 | Beginning 0800 | Beginning 0800 | Beginning 0800 | 1-June-16 to date |
| Sep 28 | 0 | 74 | 0 | 758 | 0 | 55 | 452 | 0 | 248 | 631 |
| 29 | 0 | 74 | 0 | 690 | 0 | 55 | 452 | 0 | 249 | 632 |
| 30 | 0 | 70 | 0 | 634 | 0 | 49 | 452 | 0 | 249 | 632 |
| Oct 1 | 0 | 47 | 0 | 546 | 0 | 35 | 452 | 0 | 248 | 633 |
| 2 | 0 | 48 | 0 | 388 | 0 | 36 | 452 | 0 | 249 | 633 |
| 3 | 0 | 47 | 0 | 421 | 0 | 36 | 453 | 0 | 248 | 634 |
| 4 | 0 | 48 | 0 | 553 | 0 | 36 | 453 | 0 | 248 | 635 |

| | | | | |
|-----------------------------|---|--|-------|---------------------|
| Pepacton Reservoir (P): | Available storage October 5, 2019 (0800) Spillway crest elevation 1,280.00 ft. | 97.460 billion gallons 139.320 billion gallons | 70.0% | 1,255.26 (elev.ft.) |
| Cannonsville Reservoir (C): | Available storage October 5, 2019 (0800) Spillway crest elevation 1,150.00 ft. | 44.231 billion gallons 93.448 billion gallons | 47.3% | 1,112.13 (elev.ft.) |
| Neversink Reservoir (N): | Available storage October 5, 2019 (0800) Spillway crest elevation 1,440.00 ft. | 23.624 billion gallons 34.692 billion gallons | 68.1% | 1,415.39 (elev.ft.) |
| Combined contents, PCN: | Available storage October 5, 2019 (0800) Combined capacity at spillway level | 165.315 billion gallons 267.460 billion gallons | 61.8% | |
| Lake Wallenpaupack: | Available storage October 4, 2019 (0800) Spillway crest elevation 1,190.00 ft. | 14.850 billion gallons 35.451 billion gallons | 41.9% | 1,178.76 (elev.ft.) |

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 NYC Reservoirs | | | | Power releases | | Computed | Total | Precipitation | |
|--------|----------------------------------|----------|--------------|-----------|--------------------|------------------|--------------------------------|-----------|---------------|-------------|
| | Directed release ¹ | Pepacton | Cannonsville | Neversink | Wallen- paupack | Rio Reservoir | Uncon- trolled ² | Discharge | (inches) | |
| | | | | | | | | | Daily | Cumulative |
| Sep 28 | 990 | 114 | 791 | 85 | 409 | 84 | 557 | 2,040 | 0.00 | 2.08 |
| 29 | 994 | 114 | 795 | 85 | 359 | 71 | 646 | 2,070 | 0.05 | 2.13 |
| 30 | 1,372 | 114 | 1,173 | 85 | 4 | 0 | 624 | 2,000 | <u>0.00</u> | <u>2.13</u> |
| Oct 1 | 1,266 | 114 | 1,067 | 85 | 4 | 9 | 481 | 1,760 | 0.28 | 0.28 |
| 2 | 1,171 | 114 | 981 | 76 | 4 | 13 | 522 | 1,710 | 0.05 | 0.33 |
| 3 | 1,007 | 108 | 845 | 54 | 4 | 0 | 569 | 1,580 | 0.05 | 0.38 |
| 4 | 729 | 73 | 600 | 56 | 4 | 80 | 647 | 1,460 | 0.56 | 0.94 |

1. Release directed to maintain a flow at Montague of 1,750 cfs and Trenton of 3,000 cfs.

2. Includes conservation release of 60 cfs from Rio Reservoir.

Diversions by New Jersey through the D&R Canal September 28th – October 4th, 2019 averaged 95.3 MGD.

The average diversion for the 30-day period ending October 4th 2019 is 96.2 MGD, the maximum is 98 MGD.

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA
 Web address: <http://water.usgs.gov/osw/odrm>
 Summary river data for October 5th – October 11th, 2019 (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 |
| | Spill Begin 1200 | Release begin 1200 | Spill begin 2400 | Release end 2400 | Spill begin 1500 | Release begin 1500 | Beginning 0800 | Beginning 0800 | Beginning 0800 | 1-June-16 to date |
| Oct 5 | 0 | 48 | 0 | 594 | 0 | 36 | 453 | 0 | 248 | 635 |
| 6 | 0 | 48 | 0 | 340 | 0 | 36 | 453 | 0 | 248 | 636 |
| 7 | 0 | 48 | 0 | 198 | 0 | 36 | 453 | 0 | 177 | 636 |
| 8 | 0 | 177 | 0 | 123 | 0 | 36 | 453 | 193 | 0 | 636 |
| 9 | 0 | 52 | 0 | 411 | 0 | 122 | 453 | 230 | 0 | 636 |
| 10 | 0 | 48 | 0 | 437 | 0 | 37 | 453 | 230 | 0 | 636 |
| 11 | 0 | 48 | 0 | 304 | 0 | 36 | 453 | 230 | 0 | 637 |

| | | | | |
|-----------------------------|--|--|-------|---------------------|
| Pepacton Reservoir (P): | Available storage October 12, 2019 (0800) Spillway crest elevation 1,280.00 ft. | 95.020 billion gallons 139.320 billion gallons | 68.2% | 1,253.66 (elev.ft.) |
| Cannonsville Reservoir (C): | Available storage October 12, 2019 (0800) Spillway crest elevation 1,150.00 ft. | 42.239 billion gallons 93.448 billion gallons | 45.2% | 1,110.28 (elev.ft.) |
| Neversink Reservoir (N): | Available storage October 12, 2019 (0800) Spillway crest elevation 1,440.00 ft. | 22.996 billion gallons 34.692 billion gallons | 66.3% | 1,413.82 (elev.ft.) |
| Combined contents, PCN: | Available storage October 12, 2019 (0800) Combined capacity at spillway level | 160.255 billion gallons 267.460 billion gallons | 59.9% | |
| Lake Wallenpaupack: | Available storage October 11, 2019 (0800) Spillway crest elevation 1,190.00 ft. | 15.202 billion gallons 35.451 billion gallons | 42.9% | 1,178.93 (elev.ft.) |

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 NYC Reservoirs | | | | Power releases | | Computed | Total | Precipitation | |
|-------|----------------------------------|----------|--------------|-----------|--------------------|------------------|--------------------------------|-----------|---------------|------------|
| | Directed release ¹ | Pepacton | Cannonsville | Neversink | Wallen- paupack | Rio Reservoir | Uncon- trolled ² | Discharge | (inches) | |
| | | | | | | | | | Daily | Cumulative |
| Oct 5 | 781 | 74 | 651 | 56 | 4 | 115 | 770 | 1,670 | 0.00 | 0.94 |
| 6 | 984 | 73 | 855 | 56 | 4 | 79 | 733 | 1,800 | 0.00 | 0.94 |
| 7 | 1,049 | 74 | 919 | 56 | 3 | 80 | 628 | 1,760 | 0.31 | 1.25 |
| 8 | 0 | 74 | 526 | 56 | 3 | 81 | 740 | 1,480 | 0.78 | 2.03 |
| 9 | 0 | 74 | 306 | 56 | 4 | 81 | 1,199 | 1,720 | 0.00 | 2.03 |
| 10 | 320 | 74 | 190 | 56 | 4 | 82 | 1,384 | 1,790 | 0.00 | 2.03 |
| 11 | 1,099 | 274 | 636 | 189 | 4 | 84 | 863 | 2,050 | 0.00 | 2.03 |

1. Release directed to maintain a flow at Montague of 1,750 cfs and Trenton of 3,000 cfs.

2. Includes conservation release of 60 cfs from Rio Reservoir.

Diversions by New Jersey through the D&R Canal October 5th – October 11th, 2019 averaged 94.7 MGD.

The average diversion for the 30-day period ending October 11th 2019 is 96.0 MGD, the maximum is 98 MGD.

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA

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

Summary river data for October 12th – October 18th, 2019 (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 |
| | Spill Begin 1200 | Release begin 1200 | Spill begin 2400 | Release end 2400 | Spill begin 1500 | Release begin 1500 | Beginning 0800 | Beginning 0800 | Beginning 0800 | 1-June-16 to date |
| Oct 12 | 0 | 47 | 0 | 203 | 0 | 36 | 453 | 230 | 0 | 637 |
| 13 | 0 | 48 | 0 | 476 | 0 | 36 | 453 | 229 | 0 | 637 |
| 14 | 0 | 48 | 0 | 447 | 0 | 122 | 453 | 230 | 0 | 638 |
| 15 | 0 | 48 | 0 | 198 | 0 | 36 | 453 | 230 | 0 | 638 |
| 16 | 0 | 48 | 0 | 88 | 0 | 36 | 290 | 147 | 0 | 637 |
| 17 | 0 | 48 | 0 | 88 | 0 | 36 | 3 | 0 | 0 | 632 |
| 18 | 0 | 52 | 0 | 94 | 0 | 39 | 408 | 216 | 0 | 632 |

| | | | | |
|-----------------------------|--|--|-------|---------------------|
| Pepacton Reservoir (P): | Available storage October 19, 2019 (0800) Spillway crest elevation 1,280.00 ft. | 96.830 billion gallons 139.320 billion gallons | 69.5% | 1,254.85 (elev.ft.) |
| Cannonsville Reservoir (C): | Available storage October 19, 2019 (0800) Spillway crest elevation 1,150.00 ft. | 43.494 billion gallons 93.448 billion gallons | 46.5% | 1,111.45 (elev.ft.) |
| Neversink Reservoir (N): | Available storage October 19, 2019 (0800) Spillway crest elevation 1,440.00 ft. | 23.846 billion gallons 34.692 billion gallons | 68.7% | 1,415.94 (elev.ft.) |
| Combined contents, PCN: | Available storage October 19, 2019 (0800) Combined capacity at spillway level | 164.170 billion gallons 267.460 billion gallons | 61.4% | |
| Lake Wallenpaupack: | Available storage October 18, 2019 (0800) Spillway crest elevation 1,190.00 ft. | 16.082 billion gallons 35.451 billion gallons | 45.4% | 1,179.46 (elev.ft.) |

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 NYC Reservoirs | | | | Power releases | | Computed | Total | Precipitation | |
|--------|----------------------------------|----------|--------------|-----------|--------------------|------------------|--------------------------------|-----------|---------------|------------|
| | Directed release ¹ | Pepacton | Cannonsville | Neversink | Wallen- paupack | Rio Reservoir | Uncon- trolled ² | Discharge | (inches) | |
| | | | | | | | | | Daily | Cumulative |
| Oct 12 | 813 | 80 | 676 | 57 | 4 | 267 | 756 | 1,840 | 0.00 | 2.03 |
| 13 | 600 | 74 | 470 | 56 | 4 | 92 | 704 | 1,400 | 0.00 | 2.03 |
| 14 | 444 | 74 | 314 | 56 | 4 | 125 | 657 | 1,230 | 0.00 | 2.03 |
| 15 | 865 | 73 | 736 | 56 | 4 | 88 | 513 | 1,470 | 0.00 | 2.03 |
| 16 | 955 | 74 | 692 | 189 | 4 | 87 | 694 | 1,740 | 0.00 | 2.03 |
| 17 | 0 | 74 | 306 | 56 | 4 | 188 | 3,682 | 4,310 | 2.31 | 4.34 |
| 18 | 0 | 74 | 136 | 56 | 4 | 189 | 8,601 | 9,060 | 0.07 | 4.41 |

1. Release directed to maintain a flow at Montague of 1,750 cfs and Trenton of 3,000 cfs.

2. Includes conservation release of 60 cfs from Rio Reservoir.

Diversions by New Jersey through the D&R Canal October 12th – October 18th, 2019 averaged 94.2 MGD.

The average diversion for the 30-day period ending October 18th 2019 is 95.4 MGD, the maximum is 98 MGD.

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA

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

Summary river data for October 19th – October 25th, 2019 (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 |
| | Spill Begin 1200 | Release begin 1200 | Spill begin 2400 | Release end 2400 | Spill begin 1500 | Release begin 1500 | Beginning 0800 | Beginning 0800 | Beginning 0800 | 1-June-16 to date |
| Oct 19 | 0 | 52 | 0 | 99 | 0 | 39 | 508 | 274 | 0 | 633 |
| 20 | 0 | 52 | 0 | 99 | 0 | 39 | 509 | 275 | 0 | 634 |
| 21 | 0 | 52 | 0 | 99 | 0 | 39 | 509 | 275 | 0 | 635 |
| 22 | 0 | 52 | 0 | 97 | 0 | 39 | 441 | 275 | 0 | 636 |
| 23 | 0 | 52 | 0 | 96 | 0 | 39 | 422 | 56 | 0 | 635 |
| 24 | 0 | 52 | 0 | 96 | 0 | 39 | 422 | 0 | 0 | 633 |
| 25 | 0 | 52 | 0 | 96 | 0 | 36 | 422 | 0 | 0 | 632 |

| | | | | |
|-----------------------------|--|--|-------|---------------------|
| Pepacton Reservoir (P): | Available storage October 26, 2019 (0800) Spillway crest elevation 1,280.00 ft. | 97.380 billion gallons 139.320 billion gallons | 69.9% | 1,255.21 (elev.ft.) |
| Cannonsville Reservoir (C): | Available storage October 26, 2019 (0800) Spillway crest elevation 1,150.00 ft. | 45.898 billion gallons 93.448 billion gallons | 49.1% | 1,113.65 (elev.ft.) |
| Neversink Reservoir (N): | Available storage October 26, 2019 (0800) Spillway crest elevation 1,440.00 ft. | 24.511 billion gallons 34.692 billion gallons | 70.7% | 1,417.57 (elev.ft.) |
| Combined contents, PCN: | Available storage October 26, 2019 (0800) Combined capacity at spillway level | 167.789 billion gallons 267.460 billion gallons | 62.7% | |
| Lake Wallenpaupack: | Available storage October 25, 2019 (0800) Spillway crest elevation 1,190.00 ft. | 16.962 billion gallons 35.451 billion gallons | 47.8% | 1,179.91 (elev.ft.) |

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 NYC Reservoirs | | | | Power releases | | Computed | Total | Precipitation | |
|--------|----------------------------------|----------|--------------|-----------|--------------------|------------------|--------------------------------|-----------|---------------|------------|
| | Directed release ¹ | Pepacton | Cannonsville | Neversink | Wallen- paupack | Rio Reservoir | Uncon- trolled ² | Discharge | (inches) | |
| | | | | | | | | | Daily | Cumulative |
| Oct 19 | 0 | 74 | 136 | 56 | 4 | 262 | 4,888 | 5,420 | 0.00 | 4.41 |
| 20 | 0 | 74 | 145 | 60 | 4 | 0 | 3,617 | 3,900 | 0.00 | 4.41 |
| 21 | 0 | 80 | 153 | 60 | 4 | 33 | 2,810 | 3,140 | 0.01 | 4.42 |
| 22 | 0 | 80 | 153 | 60 | 4 | 34 | 2,369 | 2,700 | 0.00 | 4.42 |
| 23 | 0 | 80 | 153 | 60 | 4 | 95 | 2,398 | 2,790 | 0.05 | 4.92 |
| 24 | 0 | 80 | 150 | 60 | 4 | 81 | 3,505 | 3,880 | 0.00 | 4.92 |
| 25 | 0 | 80 | 149 | 60 | 6 | 84 | 2,911 | 3,290 | 0.00 | 4.92 |

1. Release directed to maintain a flow at Montague of 1,750 cfs and Trenton of 3,000 cfs.

2. Includes conservation release of 60 cfs from Rio Reservoir.

Diversions by New Jersey through the D&R Canal October 19th – October 25th, 2019 averaged 92.5 MGD.

The average diversion for the 30-day period ending October 25th 2019 is 94.3 MGD, the maximum is 96 MGD.

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA
 Web address: <http://water.usgs.gov/osw/odrm>
 Summary river data for October 26th – November 1st, 2019 (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 |
| | Spill Begin 1200 | Release begin 1200 | Spill begin 2400 | Release end 2400 | Spill begin 1500 | Release begin 1500 | Beginning 0800 | Beginning 0800 | Beginning 0800 | 1-June-16 to date |
| Oct 26 | 0 | 52 | 0 | 96 | 0 | 39 | 422 | 0 | 0 | 630 |
| 27 | 0 | 52 | 0 | 97 | 0 | 39 | 422 | 0 | 0 | 629 |
| 28 | 0 | 52 | 0 | 97 | 0 | 39 | 204 | 0 | 0 | 626 |
| 29 | 0 | 52 | 0 | 97 | 0 | 39 | 66 | 0 | 0 | 622 |
| 30 | 0 | 52 | 0 | 97 | 0 | 39 | 0 | 229 | 0 | 620 |
| 31 | 0 | 46 | 0 | 97 | 0 | 38 | 0 | 222 | 0 | 617 |
| Nov 1 | 0 | 52 | 0 | 95 | 0 | 39 | 0 | 0 | 0 | 613 |

| | | | | |
|-----------------------------|--|--|-------|---------------------|
| Pepacton Reservoir (P): | Available storage November 2, 2019 (0800) Spillway crest elevation 1,280.00 ft. | 103.450 billion gallons 139.320 billion gallons | 74.3% | 1,259.09 (elev.ft.) |
| Cannonsville Reservoir (C): | Available storage November 2, 2019 (0800) Spillway crest elevation 1,150.00 ft. | 54.145 billion gallons 93.448 billion gallons | 57.9% | 1,120.83 (elev.ft.) |
| Neversink Reservoir (N): | Available storage November 2, 2019 (0800) Spillway crest elevation 1,440.00 ft. | 28.908 billion gallons 34.692 billion gallons | 83.3% | 1,427.78 (elev.ft.) |
| Combined contents, PCN: | Available storage November 2, 2019 (0800) Combined capacity at spillway level | 186.503 billion gallons 267.460 billion gallons | 69.7% | |
| Lake Wallenpaupack: | Available storage November 1, 2019 (0800) Spillway crest elevation 1,190.00 ft. | 18.898 billion gallons 35.451 billion gallons | 53.3% | 1,181.08 (elev.ft.) |

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 NYC Reservoirs | | | | Power releases | | Computed | Total | Precipitation | |
|--------|----------------------------------|----------|--------------|-----------|--------------------|------------------|--------------------------------|-----------|---------------|-------------|
| | Directed release ¹ | Pepacton | Cannonsville | Neversink | Wallen- paupack | Rio Reservoir | Uncon- trolled ² | Discharge | (inches) | |
| | | | | | | | | | Daily | Cumulative |
| Oct 26 | 0 | 80 | 149 | 60 | 0 | 85 | 2,336 | 2,710 | 0.00 | 4.92 |
| 27 | 0 | 80 | 149 | 60 | 4 | 210 | 2,247 | 2,750 | 0.14 | 5.06 |
| 28 | 0 | 80 | 149 | 56 | 4 | 137 | 5,774 | 6,200 | 0.76 | 5.82 |
| 29 | 0 | 80 | 150 | 60 | 3 | 127 | 5,330 | 5,750 | 0.00 | 5.82 |
| 30 | 0 | 80 | 150 | 60 | 5 | 133 | 3,902 | 4,330 | 0.00 | 5.82 |
| 31 | 0 | 80 | 150 | 60 | 3 | 134 | 3,513 | 3,940 | <u>0.43</u> | <u>6.25</u> |
| Nov 1 | 0 | 80 | 150 | 60 | 7 | 203 | 16,500 | 17,000 | 1.69 | 1.69 |

1. Release directed to maintain a flow at Montague of 1,750 cfs and Trenton of 3,000 cfs.

2. Includes conservation release of 60 cfs from Rio Reservoir.

Diversions by New Jersey through the D&R Canal October 26th – November 1st, 2019 averaged 87.3 MGD.

The average diversion for the 30-day period ending November 1st 2019 is 92.3 MGD, the maximum is 96 MGD.