## Delaware River Flow and Storage Data - March 2004 Summary

| DAY | Delaware @ Montague (CFS) | | Lehigh River @ | | | Delaware @ Trenton (CFS) | | Schuylkill River @ | | Max Temp Degrees C | [a] Salt Front | New York City Delaware River Basin Storage | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8:00 AM | MEAN | Lehighton FLOW (CFS) | Bethl FLOW (CFS) | Easton MIN DO (MG/L) | 8:00 AM | MEAN | Phila (CFS) | Potts (CFS) | Vincent Dam | River Mile | BG | %CAP |
| 1-Mar | 2,040 | 2,000 | 699 | 1,680 | | 6,670 | 6,730 | 2,320 | 1,720 | | 71 | 243.522 | 89.9% |
| 2-Mar | 2,310 | 2,530 | 743 | 1,760 | | 7,050 | 7,150 | 2,540 | 1,930 | | 72 | 243.057 | 89.7% |
| 3-Mar | 3,920 | 4,340 | 1,200 | 2,170 | | 7,930 | 8,220 | 2,930 | 2,180 | | 72 | 243.306 | 89.8% |
| 4-Mar | 7,330 | 7,750 | 1,990 | 2,720 | | 10,200 | 10,700 | 3,160 | 2,170 | | 72 | 244.966 | 90.4% |
| 5-Mar | 10,200 | 10,200 | 2,450 | 3,290 | | 16,300 | 16,300 | 3,170 | 2,210 | | 72 | 246.854 | 91.1% |
| 6-Mar | 11,200 | 12,200 | 2,780 | 3,600 | | 19,200 | 19,900 | 3,830 | 2,520 | | 72 | 250.614 | 92.5% |
| 7-Mar | 19,400 | 19,400 | 2,900 | 3,880 | | 22,600 | 24,000 | 4,470 | 2,740 | | 72 | 257.965 | 95.2% |
| 8-Mar | 17,900 | 17,400 | 3,070 | 3,840 | | 33,600 | 31,600 | 3,930 | 2,630 | | 72 | 261.388 | 96.5% |
| 9-Mar | 14,800 | 14,600 | 2,950 | 4,200 | | 29,500 | 29,000 | 4,120 | 2,700 | | 72 | 262.470 | 96.9% |
| 10-Mar | 12,300 | 12,300 | 2,340 | 3,250 | | 25,200 | 24,500 | 3,810 | 2,520 | | 71 | 262.726 | 97.0% |
| 11-Mar | 10,700 | 10,700 | 2,150 | 3,090 | | 21,500 | 21,000 | 3,480 | 2,340 | | 71 | 262.921 | 97.1% |
| 12-Mar | 10,100 | 9,800 | 1,770 | 2,750 | | 19,500 | 18,700 | 3,150 | 2,180 | | 71 | 263.112 | 97.1% |
| 13-Mar | 9,000 | 8,700 | 1,570 | 2,490 | | 17,200 | 16,900 | 2,890 | 2,060 | | 70 | 263.342 | 97.2% |
| 14-Mar | 7,420 | 7,410 | 1,500 | 2,360 | | 15,900 | 15,600 | 2,690 | 1,960 | | 70 | 263.276 | 97.2% |
| 15-Mar | 6,600 | 6,880 | 1,430 | 2,300 | | 14,200 | 14,000 | 2,590 | 1,890 | | 70 | 262.892 | 97.1% |
| 16-Mar | 7,150 | 7,200 | 1,310 | 2,210 | | 13,200 | 13,200 | 2,560 | 1,770 | | 69 | 262.622 | 97.0% |
| 17-Mar | 6,660 | 6,560 | 1,200 | 2,160 | | 13,900 | 13,700 | 2,720 | 1,870 | | 69 | 262.835 | 97.0% |
| 18-Mar | 6,150 | 6,090 | 1,230 | 2,140 | | 13,300 | 13,000 | 2,720 | 1,880 | | 69 | 262.791 | 97.0% |
| 19-Mar | 5,710 | 5,750 | 1,230 | 2,240 | | 12,900 | 12,900 | 4,020 | 2,310 | | 69 | 262.717 | 97.0% |
| 20-Mar | 5,400 | 5,380 | 1,190 | 2,200 | | 13,300 | 13,200 | 5,220 | 2,470 | | 69 | 262.591 | 97.0% |
| 21-Mar | 4,810 | 5,280 | 1,320 | 2,560 | | 14,500 | 14,600 | 5,960 | 2,770 | | 70 | 262.803 | 97.0% |
| 22-Mar | 6,120 | 6,170 | 1,320 | 2,610 | | 14,200 | 14,100 | 4,950 | 2,890 | | 70 | 263.211 | 97.2% |
| 23-Mar | 6,230 | 5,910 | 1,340 | 2,520 | | 14,000 | 13,900 | 4,220 | 2,860 | | 70 | 263.100 | 97.1% |
| 24-Mar | 5,420 | 5,370 | 1,280 | 2,450 | | 13,400 | 13,300 | 3,760 | 2,440 | | 69 | 263.057 | 97.1% |
| 25-Mar | 5,290 | 5,710 | 1,140 | 2,300 | | 12,500 | 12,500 | 3,400 | 2,300 | | 69 | 262.889 | 97.1% |
| 26-Mar | 6,040 | 6,180 | 1,240 | 2,300 | | 12,400 | 12,500 | 3,160 | 2,070 | | 68 | 262.987 | 97.1% |
| 27-Mar | 6,600 | 6,460 | 1,510 | 2,430 | | 13,200 | 13,200 | 2,970 | 1,980 | | 68 | 263.650 | 97.3% |
| 28-Mar | 7,870 | 8,280 | 1,690 | 2,600 | | 13,400 | 13,500 | 2,870 | 1,920 | | 67 | 265.414 | 98.0% |
| 29-Mar | 8,870 | 8,880 | 1,590 | 2,520 | | 14,400 | 14,900 | 2,670 | 1,790 | | 67 | 266.761 | 98.5% |
| 30-Mar | 8,620 | 8,530 | 1,400 | 2,360 | | 15,600 | 15,500 | 2,400 | 1,700 | | 67 | 267.501 | 98.8% |
| 31-Mar | 8,330 | 8,150 | 1,200 | 2,160 | | 15,600 | 15,900 | 3,260 | 1,700 | | 68 | 267.952 | 98.9% |
| | | | | | | | | | | | | | |
| **March Avg** | 8,080 | 8,133 | 1,637 | 2,617 | | 15,689 | 15,619 | 3,417 | 2,209 | | | | |
| **Normal** | | **8,820** | **1,768** | **3,835** | | | **18,225** | **4,596** | **2,970** | | **67** | | |
| **% of Normal** | | 92.2% | 92.6% | 68.3% | | | 85.7% | 74.4% | 74.4% | | | | |

**NYC 24-hr Reservoir Observations: March 31, 8 am**

| | Precip (IN.) | Usable (BG) | Storage (%) | Draft (MG) | Directed Rel (MG) |
|---|---|---|---|---|---|
| **Neversink** | 0.24 | 32.524 | 93.1% | 143 | 0 |
| **Pepacton** | 0.06 | 137.163 | 97.8% | 449 | 0 |
| **Cannonsville** | 0.02 | 98.265 | 102.7% | 0 | 0 |
| **Rondout** | 0.66 | 47.979 | 96.7% | 611 | 0 |

**DIRECTED RELEASES (CFS)**

| | |
|---|---|
| **Blue Marsh** | 0 |
| **Beltzville** | 0 |
| **[b]F.E. Walter** | 0 |
| **Merrill Cr** | 0 |
| **NYC Res.-Excess Bank** | 0 |
| **[c]Lake Wallenpaupack** | 0 |

**Summary of NYC Storage Observations for March 31**

| | | |
|---|---|---|
| **NYC Daily Storage (BG)=** | 267.952 | 98.9% |
| **NYC Daily Storage Median (BG)=** | 258.533 | 95.5% |
| **BG Above NYC Daily Storage Median =** | 9.419 | 3.64% |
| **BG Above Drought Watch =** | 94.376 | |
| **BG Above Drought Warning =** | 110.376 | |
| **BG Above Drought =** | 134.376 | |
| **BG Below One Year Ago =** | 9.218 | |

**DAILY USABLE STORAGE 3/31/04**

| | VOL. (BG) | [d]%CAP |
|---|---|---|
| **Blue Marsh** | 4.47 | 93.9 |
| **Beltzville** | 13.13 | 101.0 |

Storage data provided by New York City Department of Environmental Protection, Bureau of Water Supply.
Chloride data provided by U.S. Geological Survey and Kimberly Clark Corporation.
Lower Basin reservoir storage data provided by Philadelphia District Corps of Engineers.

[a] Based on the location of the 7-day average chloride concentration of 250 milligrams/liter (mg/L).

[b] Releases from F.E. Walter are requested from the U.S. Army Corps of Engineers and are made from the reservoir's temporary drought storage.

[c] Directed releases from Lake Wallenpaupack are estimated values supplied by PPL.

[d] Percent of usable storage available.

BG=Billion Gallons; MG= Million Gallons; CFS=Cubic Feet per Second

ESTIMATES OF THE SALT FRONT ARE BASED ON PROVISIONAL DATA AND ARE SUBJECT TO CHANGE

**NOTES:**

**1. The salt front river mile location will be updated as chloride data is received.**

**2. Normal flow values represent median of monthly means for 1971-2000, except for the Lehigh River at Lehighton. For Lehighton, normal flow values represent the median of monthly means for 1983-2000 (the entire period of record for the station) .**

**3. During cold weather, ice effects on stage and discharge determinations at some stream-gaging stations are likely. Data values reported on this report may be significantly higher or lower than actual streamflow. Data will be adjusted as revised values are made available by the USGS.**