

Delaware River Flow and Storage Data - March 2013 SUMMARY

| DAY | Delaware @ Montague (CFS) | | Lehigh River @ | | | Delaware @ Trenton (CFS) | | Schuylkill River @ | | Max Temp Degrees C Vincent Dam | a Salt Front River Mile | New York City Delaware River Basin Storage | |
|--------------------|------------------------------|---------------|-------------------------|------------------------|-----------------------------|-----------------------------|---------------|-----------------------|--------------------|---|----------------------------------|--|-------|
| | 8:00 AM | MEAN | Lehigh FLOW (CFS) | Bethl FLOW (CFS) | Glendon MIN DO (MG/L) | 8:00 AM | MEAN | Philadelphia (CFS) | Pottstown (CFS) | | | BG | %CAP |
| | | | | | | | | | | | | | |
| 1-Mar | 5,020 | 5,040 | 1,340 | 1,330 | | 11,500 | 11,700 | 3,530 | 2,230 | | 74 | 228,024 | 84.2% |
| 2-Mar | 4,690 | 4,380 | 1,260 | 1,260 | | 11,900 | 11,800 | 3,050 | 2,010 | | 74 | 227,391 | 84.0% |
| 3-Mar | 3,740 | 3,670 | 1,240 | 1,210 | | 11,100 | 10,900 | 2,780 | 1,900 | | 74 | 226,674 | 83.7% |
| 4-Mar | 3,360 | 3,320 | 1,50 | 1,040 | | 9,780 | 9,640 | 2,530 | 1,790 | | 74 | 225,877 | 83.4% |
| 5-Mar | 3,380 | 3,230 | 1,030 | 2,020 | | 8,900 | 8,800 | 2,270 | 1,710 | | 73 | 225,159 | 83.1% |
| 6-Mar | 3,510 | 3,160 | 963 | 1,960 | | 8,420 | 8,460 | 2,240 | 1,670 | | 73 | 224,409 | 82.9% |
| 7-Mar | 3,340 | 3,140 | 944 | 1,880 | | 8,110 | 8,160 | 2,210 | 1,620 | | 73 | 223,681 | 82.6% |
| 8-Mar | 3,380 | 3,310 | 934 | 1,790 | | 7,860 | 7,980 | 2,000 | 1,490 | | 73 | 223,187 | 82.4% |
| 9-Mar | 3,450 | 3,310 | 678 | 1,630 | | 7,810 | 8,000 | 1,890 | 1,420 | | 73 | 222,616 | 82.2% |
| 10-Mar | 3,020 | 3,080 | 668 | 1,480 | | 7,710 | 7,890 | 1,780 | 1,360 | | 73 | 222,018 | 82.0% |
| 11-Mar | 3,250 | 3,600 | 685 | 1,470 | | 7,370 | 7,420 | 1,790 | 1,310 | | 73 | 221,587 | 81.8% |
| 12-Mar | 4,390 | 5,380 | 2,580 | 3,550 | | 7,470 | 9,270 | 2,950 | 2,630 | | 73 | 221,938 | 81.9% |
| 13-Mar | 17,100 | 20,500 | 3,410 | 7,780 | | 27,000 | 28,100 | 10,500 | 6,180 | | 73 | 230,419 | 85.1% |
| 14-Mar | 17,100 | 16,400 | 2,980 | 5,450 | | 39,200 | 37,700 | 6,430 | 4,410 | | 73 | 235,019 | 86.8% |
| 15-Mar | 11,500 | 11,700 | 2,710 | 4,660 | | 29,800 | 28,500 | 4,780 | 3,450 | | 72 | 237,713 | 87.8% |
| 16-Mar | 9,480 | 9,460 | 2,440 | 4,270 | | 22,500 | 22,700 | 4,050 | 2,980 | | 72 | 239,340 | 88.4% |
| 17-Mar | 8,360 | 8,260 | 2,260 | 3,860 | | 19,500 | 19,600 | 3,840 | 2,740 | | 72 | 240,531 | 88.8% |
| 18-Mar | 7,540 | 7,500 | 2,050 | 3,460 | | 17,400 | 17,100 | 3,540 | 2,420 | | 71 | 241,132 | 89.0% |
| 19-Mar | 7,200 | 7,520 | 2,010 | 3,550 | | 17,000 | 17,300 | 5,020 | 2,650 | | 71 | 241,727 | 89.3% |
| 20-Mar | 6,410 | 6,810 | 1,920 | 3,630 | | 17,600 | 17,700 | 5,320 | 3,060 | | 70 | 242,162 | 89.4% |
| 21-Mar | 5,900 | 6,300 | 1,760 | 3,230 | | 15,800 | 15,900 | 4,150 | 2,730 | | 71 | 242,316 | 89.5% |
| 22-Mar | 6,490 | 6,580 | 1,510 | 2,820 | | 14,400 | 14,300 | 3,620 | 2,500 | | 71 | 242,250 | 89.4% |
| 23-Mar | 6,240 | 6,360 | 1,390 | 2,610 | | 13,600 | 13,600 | 3,280 | 2,330 | | 71 | 242,097 | 89.4% |
| 24-Mar | 5,900 | 5,750 | 1,310 | 2,480 | | 13,000 | 13,000 | 3,010 | 2,190 | | 71 | 241,865 | 89.3% |
| 25-Mar | 5,230 | 5,500 | 1,300 | 2,450 | | 12,400 | 12,300 | 3,080 | 2,170 | | 71 | 241,590 | 89.2% |
| 26-Mar | 5,230 | 5,180 | 1,240 | 2,460 | | 12,000 | 12,000 | 3,450 | 2,250 | | 72 | 241,212 | 89.1% |
| 27-Mar | 4,420 | 4,800 | 1,270 | 2,210 | | 11,800 | 11,500 | 3,230 | 2,040 | | 72 | 240,828 | 88.9% |
| 28-Mar | 4,440 | 4,610 | 1,290 | 2,140 | | 10,900 | 10,700 | 2,730 | 1,810 | | 72 | 240,397 | 88.8% |
| 29-Mar | 4,440 | 4,570 | 1,260 | 2,080 | | 10,700 | 10,400 | 2,350 | 1,680 | | 72 | 239,863 | 88.6% |
| 30-Mar | 4,350 | 4,460 | 1,230 | 2,040 | | 10,100 | 9,950 | 2,260 | 1,580 | | 72 | 239,360 | 88.4% |
| 31-Mar | 4,150 | 4,290 | 1,210 | 2,010 | | 9,890 | 9,750 | 2,140 | 1,540 | | 72 | 238,927 | 88.2% |
| March Avg | 6,000 | 6,167 | 1,517 | 2,704 | | 13,952 | 13,939 | 3,413 | 2,318 | | | | |
| Normal | | 4,973 | 1,318 | 3,002 | | | 12,865 | 4,032 | 2,739 | | 67 | | |
| % of Normal | | 124.0% | 115.1% | 90.1% | | | 108.4% | 84.6% | 84.6% | | | | |

TODAY'S RESERVOIR OBSERVATIONS: March 31, 2013

New York City 24-hr, as of 8 am:

| | Precip (IN.) | Usable (BG) | Storage (%) | Draft (MG) | Directed Rel (MG) | NYC Daily Storage (BG)= 238,927 | 88.2% | Lower Delaware Basin: | | |
|--------------|-----------------|----------------|----------------|---------------|----------------------|--|--------|-----------------------|-----------|-------|
| | | | | | | | | Vol. (BG) | %Capacity | |
| | | | | | | NYC Daily Storage Median (BG) 258,533 | 95.5% | Blue Marsh | 5.29 | 94.3 |
| Neversink | 0.00 | 30.168 | 86.3% | 0 | 0 | BG Below Daily Storage Median 19,606 | -7.58% | Beltzville | 13.95 | 100.2 |
| Pepacton | 0.00 | 123.462 | 88.2% | 449 | 0 | BG Above Drought Watch = 65.351 | | | | |
| Cannonsville | 0.00 | 85.297 | 89.1% | 298 | 0 | BG Above Drought Warning = 81.351 | | | | |
| Rondout | 0.00 | 48.139 | 97.0% | 699 | 0 | BG Above Drought = 105.351 | | | | |
| | | | | | | BG Below One Year Ago = 5,523 | | | | |

Blue Marsh Reservoir's percent storage capacity has been changed to be based upon summer pool usable storage capacity of 5.6 BG. Storage will gradually be increased to the summer pool level through April.

TODAY'S DIRECTED RELEASES FROM BASIN RESERVOIRS (CFS): March 31, 2013

| | Blue Marsh | Beltzville | F.E. Walter | Merrill Cr. | Lake Wallenpaupack |
|--|------------|------------|-------------|-------------|--------------------|
| | 0 | 0 | 0 | 0 | 0 |

DATA SOURCES:

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.

NOTES:

- Based on the location of the 7-day average chloride concentration of 250 milligrams/liter (mg/L).
- 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.
- Directed releases from Lake Wallenpaupack are estimated values supplied by PPL.
- Lower Basin reservoir percentages are a percent of allocated storage, not total storage. More than 19.3 billion gallons of flood control is available in Beltzville and Blue Marsh reservoirs.
BG=Billion Gallons; CFS=Cubic Feet per Second; DO= Dissolved Oxygen; MG= Million Gallons;
ESTIMATES OF THE SALT FRONT ARE BASED ON PROVISIONAL DATA AND ARE SUBJECT TO CHANGE.

- During cold weather, ice effects on stage and discharge determinations at some stream-gaging stations are likely. Flow values reported on this report may be significantly higher or lower than actual streamflow. Revisions will be made as needed when adjusted data becomes available.
- The salt front river mile location will be updated as chloride data is received.
- Normal flow values represent the median of monthly means for 1971-2000, except for the Lehigh River at Lehigh. For Lehigh, normal flow values represent the median of monthly means for 1983-2000 (the entire period of record for the station).
- Reporting of the minimum dissolved oxygen for the Lehigh River at Glendon and the maximum temperature at the Schuylkill River at Vincent Dam has been discontinued. Reporting will begin again in June 2013.

DURING COLD WEATHER, ICE EFFECTS ON STREAMFLOW AT SOME STREAM-GAGING STATIONS ARE LIKELY. REPORTED DATA VALUES MAY BE SIGNIFICANTLY HIGHER OR LOWER THAN ACTUAL STREAMFLOWS.