

## Delaware River Flow and Storage Data -February 2018

											UNITED STATES O		
	Delaware at Montague Flow (cfs)		Lehigh River Flow (cfs)		Delaware at Trenton Flow (cfs)		Schuylkill River Flow (cfs)		Salt From	nt	t New York City		
									,		Delaware River Basin Storage		
DAY	8:00 AM	Mean	Lehighton	Bethlehem	8:00 AM	Mean	Pottstown	Philadelphia	River Mi	ile	(BG)	Сар	acity
2/1/2018	5,000	4,870	1,310	2,590	11,700	11,600	1,950	2,340		72	220.0		81.29
2/2/2018	4,790	4,680	1,340	2,660	10,900	10,800	2,140	2,460		72	220.2		81.39
2/3/2018	4,560	4,390	1,190	2,260	10,400	9,920	1,880	2,630		72	220.2		81.3
2/4/2018	3,310	3,160	1,100	2,320	9,060	8,950	1,820	2,350		71	220.3		81.3
2/5/2018	3,140	3,330	1,180	2,860	11,500	10,900	3,150	6,810		71	220.5		81.4
2/6/2018	4,070	3,890	1,180	2,570	10,200	10,200	2,780	4,420		71	220.6		81.5
2/7/2018	4,000	3,730	1,130	2,490	9,490	10,000	2,640	4,050		71	220.6		81.5
2/8/2018	4,260	3,950	1,180	2,950	12,000	11,700	3,430	7,420		71	220.8		81.5
2/9/2018	4,920	4,730	1,090	2,550	10,200	10,200	2,990	4,690		71	220.6		81.5
2/10/2018	4,770	4,430	1,050	2,370	8,900	9,320	2,610	3,730		71	220.3		81.3
2/11/2018	3,140	3,710	1,340	4,240	13,800	18,000	4,710	13,900		72	220.3		81.3
2/12/2018	4,980	6,040	3,040	6,830	22,600	21,700	7,290	12,800		72	221.4		81.7
2/13/2018	7,560	7,770	3,480	6,860	20,600	21,300	6,970	9,500		72	223.0		82.4
2/14/2018	7,210	7,530	2,640	5,500	21,400	20,600	5,690	7,540		72	223.8		82.6
2/15/2018	6,870	7,610	2,530	5,020	18,800	18,800	4,770	6,530		72	224.5		82.9
2/16/2018	9,280	10,500	4,030	6,700	19,100	21,300	6,040	9,080		71	225.9		83.4
2/17/2018	15,100	14,700	4,220	6,940	25,100	25,900		9,280		70	228.3		84.3
2/18/2018	12,200	12,300	3,530	6,350	28,400	27,900	5,600	7,640		69	230.8		85.2
2/19/2018	10,300	10,400	2,560	5,020	24,500	23,900	5,020	7,290		68	232.2		85.7
2/20/2018	10,600	11,900	2,720	5,010	21,700	21,700	5,000	7,030		66	234.2		86.5
2/21/2018	17,100	17,100	3,040	5,450	22,400	23,700	4,760	6,690		64	237.1		87.5
2/22/2018	18,700	18,500	3,050	5,680	29,100	29,000	4,710	6,170	62		239.7		88.5
2/23/2018	18,300	17,700	3,390	6,270	31,800	31,400	5,240	6,480	59		242.0		89.4
2/24/2018	16,800	16,600	3,250	6,310	31,100	30,600	5,210	6,900	55		244.4		90.2
2/25/2018	20,100	23,500	4,880	8,940	30,300	34,400	6,750	10,300	<54		247.2		91.3
2/26/2018	32,100	29,800	5,500	10,200	49,000	50,900	8,360	12,000	<54		251.2		92.7
2/27/2018	22,500	21,700	5,650	9,230	49,400	47,400	7,030	9,480	<54		253.5		93.6
2/28/2018	17,800	17,400	4,270	7,520	38,300	37,100	5,460	7,440	<54		255.0		94.2
Observed Av	erage	10,569	2,674	5,132		21,757	4,429	7,034	71				
	Mean Monthly		1,035	2,734		11,740	2,255	3,859					
% of Normal		209.0%	258.5%			185.3%	196.4%	182.3%					
DAY'S RESERVOIR OBS				28/2018									
ower Delaware Basin:				New York City 24-hr, as of 8 am:						NYC Daily St	orage (BG)=	255.0	94.2
Vol. (BG) Capacity			Capacity		7-Day Precip	Usable	Storage	Draft	Directed Rel		orage Median (BG)=	228.0	84.2
					,								

Percent capacity in Blue Marsh Reservoir is based upon the normal WINTER POOL storage of 4.43 BG. Percent capacity for Beltzville Reservoir is based upon the year-round, normal pool storage of 13.49 BG.

(inches)

1.37

1.43

1.68

Directed Release from NYC Reservoirs is the amount of water needed to meet the Montague Flow Objective.

4.42

13.64

Merrill Creek

Wallenpaupack

## DATA SOURCES:

Blue Marsh

Beltzville

Blue Marsh

Beltzville

Storage data provided by New York City Department of Environmental Protection, Bureau of Water Supply. http://www.nyc.gov/html/dep/html/drinking\_water/maplevels\_wide.shtml Flow data provided by U.S. Geological Survey http://waterdata.usgs.gov/nwis/rt

Pepacton

Cannonsville

Chloride data for the salt front calcuation provided by U.S. Geological Survey and Kimberly Clark Corporation.

Lower Basin reservoir storage data provided by Philadelphia District Corps of Engineers. See basin summaries at http://www.nap-wc.usace.army.mil/nap/ ALL DATA ARE PROVISIONAL

99.7%

101.1%

Directed Releases from Basin Reservoirs (cfs):

## NOTES:

The Salt Front is the estimated 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.

fs=Cubic Feet per Second; DO= Dissolved Oxygen; MG= Million Gallons; BG=Billion Gallons

1. 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 romes available

(BG)

130.5

89.7

(%)

93.1%

93.7%

(MG)

(MG)

3G Above Daily Storage Median =

Above Drought Watch

BG Above Drought Warning =

3G Above Drought =

27.0

117.9

137.9

11.85%

- 2. The location of the salt front is estimated. The salt front river mile location will be updated as chloride data is received. DRBC does not track the salt front below river mile 54. The normal location of the salt front represents the median monthly calculated value based upon values from 1/1998 through 2/28/2013. Normal flow values represent the median of monthly means for the period of record after construction completion of major reservoirs regulating their flow (NYC Reservoirs: Montague 1956-2011; FE Walter and Beltzville: Bethlehem and Trenton 1971-2011, Lehighton
- 1983-2011; Blue Marsh: Pottstown and Philadelphia 1980-2011).
- I. Minimum dissolved oxygen for the Lehigh River at Glendon and the maximum temperature at the Schuylkill River at Vincent Dam will be reported for the period June through September. 5. NYC Storage Median based on beginning of month values reported to the Delaware River Master from June 1967 - May 2013.
- i. Drought Watch, Warning and Drought are defined by Figure 1 of Article 2 in the Delaware River Basin Water Code 18 CFR Part 410