

Delaware River Flow and Storage Data -June 2018



DAY	Delaware at Montague		Lehigh River		Delaware at Trenton		Schuylkill River		Salt Front	New York City	
	Flow (cfs)		Flow (cfs)		Flow (cfs)		Flow (cfs)			Delaware River Basin Storage	
	8:00 AM	Mean	Lehigh	Bethlehem	8:00 AM	Mean	Pottstown	Philadelphia		River Mile	(BG)*
6/1/2018	4,390	4,490	1,630	3,390	12,600	12,000	2,220	3,590	<54	265.5	99.3%
6/2/2018	4,050	4,920	1,520	3,210	11,700	11,500	2,230	3,410	<54	265.5	99.3%
6/3/2018	5,270	5,430	1,430	3,040	11,600	11,300	2,130	4,000	47	265.3	99.2%
6/4/2018	4,340	4,590	1,370	2,980	12,200	12,200	2,130	3,780	55	265.1	99.1%
6/5/2018	4,590	4,520	1,170	2,570	11,500	11,000	1,870	3,420	60	264.7	99.0%
6/6/2018	4,360	4,330	1,040	2,300	10,600	10,200	1,710	3,080	64	264.3	98.8%
6/7/2018	4,170	4,080	1,020	2,140	9,880	9,400	1,600	2,770	66	263.9	98.7%
6/8/2018	3,900	3,680	946	2,020	9,270	8,820	1,510	2,560	67	263.5	98.5%
6/9/2018	3,290	3,140	1,040	1,930	8,590	8,220	1,450	2,440	68	262.9	98.3%
6/10/2018	2,720	2,770	1,010	2,000	7,680	7,690	1,700	2,610	69	262.2	98.0%
6/11/2018	2,590	2,610	907	2,620	8,020	8,320	7,800	17,700	69	261.5	97.8%
6/12/2018	2,930	2,720	900	2,050	8,070	7,830	5,820	8,810	69	260.8	97.5%
6/13/2018	2,810	2,650	889	1,920	6,910	6,990	3,450	6,030	69	260.1	97.2%
6/14/2018	2,760	2,610	905	1,850	6,550	6,660	2,550	4,230	69	259.5	97.0%
6/15/2018	2,720	2,550	980	1,870	6,550	6,550	2,230	3,580	69	258.8	96.8%
6/16/2018	2,640	2,540	945	1,810	6,190	6,250	1,860	3,190	68	258.2	96.5%
6/17/2018	2,040	2,050	780	1,630	5,890	5,880	1,760	2,870	68	257.3	96.2%
6/18/2018	2,470	2,300	776	1,550	5,640	5,480	1,680	2,760	68	256.3	95.8%
6/19/2018	2,600	2,470	725	1,640	5,190	5,360	1,820	2,970	68	255.6	95.6%
6/20/2018	2,740	2,410	758	1,490	5,510	5,550	1,690	2,830	68	254.8	95.3%
6/21/2018	2,350	2,150	775	1,510	5,270	5,370	1,540	2,580	68	253.8	94.9%
6/22/2018	2,170	2,050	736	1,470	5,070	5,100	1,440	2,400	68	252.9	94.6%
6/23/2018	2,080	2,000	917	1,470	4,830	4,800	1,380	2,300	69	251.9	94.2%
6/24/2018	1,870	1,850	887	1,740	4,570	4,690	1,680	2,440	69	251.3	94.0%
6/25/2018	2,010	2,100	627	1,600	4,870	4,820	1,500	2,770	69	250.8	93.8%
6/26/2018	2,340	2,410	569	1,240	4,570	4,440	1,460	2,270	69	250.0	93.5%
6/27/2018	2,390	2,290	561	1,140	4,270	4,370	1,390	2,170	70	249.1	93.1%
6/28/2018	2,570	2,470	1,090	3,080	5,030	5,780	4,660	5,680	70	248.8	93.0%
6/29/2018	2,760	3,660	1,070	2,530	7,580	7,530	4,420	7,040	70	249.0	93.1%
6/30/2018	4,290	4,040	877	1,880	6,550	6,480	2,460	4,070	70	248.7	93.0%

Observed Average	3,063	962	2,056	7,353	2,371	4,012	69
Mean Monthly	3,167	964	1,987	7,183	1,389	1,847	
% of Normal	96.7%	99.8%	103.5%	102.4%	170.8%	217.3%	

TODAY'S RESERVOIR OBSERVATIONS: **6/30/2018**

Lower Delaware Basin**:	New York City 24-hr, as of 8 am:						NYC Daily Storage (BG)=	248.7	93.0%		
	Vol. (BG)	Capacity	7-Day Precip (inches)	Usable (BG)	Storage (%)	Draft (MG)	Directed Release (MG)	NYC Daily Storage Median (BG)=	253.9	94.9%	
Blue Marsh	5.76	100.1%						BG Below Daily Storage Median =	5.2	-2.03%	
Beltzville	13.52	100.2%						BG Above Drought Watch =	58.7		
Directed Releases from Basin Reservoirs (cfs):	Neversink	1.56	33.2	95.8%	0	0		BG Above Drought Warning =	78.7		
Blue Marsh	0	Merrill Creek	0	Pepacton	1.75	130.6	93.7%	450	0	BG Above Drought =	98.7
Beltzville	0	Wallenpaupack	0	Cannonsville	1.70	84.9	90.9%	0	0	BG Below One Year Ago =	16.5

\* As of June 1, 2018, the NYC Delaware reservoir statistics have been changed to reflect the 2016 USGS bathymetry tables.  
 \*\*Percent capacity in Blue Marsh Reservoir is based upon the normal **SUMMER POOL** storage of 5.76 BG. Percent capacity for Beltzville Reservoir is based upon the year-round, normal pool storage of 13.49 BG.  
 Directed Release from NYC Reservoirs is the amount of water needed to meet the Montague Flow Objective.

**DATA SOURCES:**  
 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](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>  
 Chloride data for the salt front calculation 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

**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.  
 cfs=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 becomes available.
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.
3. 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, Lehigh 1983-2011; Blue Marsh: Pottstown and Philadelphia 1980-2011).
4. 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.
6. Drought Watch, Warning and Drought are defined by Figure 1 of Article 2 in the Delaware River Basin Water Code 18 CFR Part 410.