

Delaware River Flow and Storage Data -August 2018



DAY	Delaware at Montague		Lehigh River		Delaware at Trenton		Schuylkill River		Salt Front River Mile	New York City Delaware River Basin Storage	
	Flow (cfs)		Flow (cfs)		Flow (cfs)		Flow (cfs)			(BG)*	Capacity
	8:00 AM	Mean	Lehighton	Bethlehem	8:00 AM	Mean	Pottstown	Philadelphia			
8/1/2018	4,640	5,020	2,250	4,250	11,400	11,000	2,870	3,640	67	246.8	92.3%
8/2/2018	7,240	7,240	3,330	5,860	11,600	12,400	4,690	4,390	66	247.9	92.7%
8/3/2018	8,230	8,060	3,970	6,490	15,800	16,200	4,750	6,650	65	248.2	92.8%
8/4/2018	17,400	21,100	5,160	20,200	19,000	36,500	16,100	19,000	65	253.8	94.9%
8/5/2018	21,900	19,900	3,480	10,900	54,900	51,500	12,800	19,100	64	257.6	96.3%
8/6/2018	12,800	12,400	4,690	8,400	37,400	35,300	8,790	11,800	63	259.5	97.0%
8/7/2018	9,320	9,710	4,010	8,100	28,200	27,200	6,810	8,700	62	260.1	97.3%
8/8/2018	8,430	9,090	2,160	5,470	22,900	22,000	5,410	8,360	61	260.5	97.4%
8/9/2018	8,400	13,900	2,100	4,700	18,300	18,400	3,350	5,660	60	263.1	98.4%
8/10/2018	16,200	15,100	1,750	4,020	16,900	21,600	2,720	4,320	59	264.4	98.9%
8/11/2018	11,100	10,900	1,780	4,330	22,800	23,800	4,240	5,580	58	264.4	98.9%
8/12/2018	11,900	12,400	1,890	4,460	26,100	24,400	5,000	9,070	59	264.8	99.0%
8/13/2018	11,000	11,500	3,930	10,600	21,400	22,700	14,300	21,700	59	264.5	98.9%
8/14/2018	11,800	13,300	4,850	16,400	40,400	38,100	21,400	30,700	59	265.8	99.4%
8/15/2018	20,300	19,800	8,250	11,900	32,200	33,300	13,500	19,500	58	267.3	99.9%
8/16/2018	18,100	17,400	7,900	10,700	37,600	36,500	9,010	11,600	56	267.2	99.9%
8/17/2018	13,500	13,300	6,430	9,010	32,100	30,800	6,330	8,220	54	266.7	99.7%
8/18/2018	12,000	16,000	2,710	-	27,600	26,100	6,420	7,370	<54	269.6	100.8%
8/19/2018	21,400	21,700	2,050	4,790	22,400	25,800	5,840	6,920	<54	272.6	101.9%
8/20/2018	19,100	18,500	1,500	4,010	29,700	29,200	5,550	6,670	<54	272.2	101.8%
8/21/2018	15,000	14,300	1,550	3,910	25,600	24,900	4,600	5,600	<54	271.3	101.5%
8/22/2018	12,300	12,400	2,190	-	26,900	29,500	9,990	18,100	56	270.3	101.1%
8/23/2018	12,200	11,800	2,190	6,030	27,000	25,900	8,210	10,800	58	269.6	100.8%
8/24/2018	9,920	9,510	1,730	-	22,100	21,100	5,250	7,680	60	268.8	100.5%
8/25/2018	8,170	7,830	2,040	4,180	17,800	17,200	4,050	5,480	62	267.9	100.2%
8/26/2018	6,900	6,670	1,610	3,810	15,600	15,000	3,630	4,730	64	267.0	99.8%
8/27/2018	6,220	6,200	1,230	3,300	13,400	13,000	3,400	4,320	64	266.0	99.5%
8/28/2018	6,190	6,240	969	2,740	11,900	11,600	3,310	4,170	65	264.9	99.0%
8/29/2018	5,960	6,170	928	2,530	11,100	10,900	2,950	3,900	65	263.5	98.5%
8/30/2018	6,100	5,930	881	2,350	10,900	10,600	2,570	3,450	66	262.1	98.0%
8/31/2018	5,570	5,380	1,000	2,310	10,700	10,200	3,380	3,290	66	260.8	97.5%

Observed Average	11,895	2,920	5,992		23,635	6,814	9,370	74		
Mean Monthly	2,168	493	1,116		4,442	749	1,085			
% of Normal	548.7%	592.2%	536.9%		532.1%	909.9%	864.0%			

TODAY'S RESERVOIR OBSERVATIONS: <b>8/31/2018</b>												
Lower Delaware Basin**:			New York City 24-hr, as of 8 am:					NYC Daily Storage (BG)=			260.8	97.5%
	Vol. (BG)	Capacity	7-Day Precip		Usable	Storage	Draft	Directed Release	NYC Daily Storage Median (BG)=		201.1	75.2%
Blue Marsh	5.82	101.0%	(inches)		(BG)	(%)	(MG)	(MG)	BG Above Daily Storage Median =		59.7	29.71%
Beltzville	13.50	100.1%							BG Above Drought Watch =		123.9	
Directed Releases from Basin Reservoirs (cfs):			Neversink	0.00	34.7	99.9%	0	0	BG Above Drought Warning =		143.9	
Blue Marsh	0	Merrill Creek	Pepacton	0.61	136.0	97.6%	499	0	BG Above Drought =		163.9	
Beltzville	0	Wallenpaupack	Cannonsville	0.22	90.2	96.5%	0	0	BG Above One Year Ago =		29.1	

\* 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, Lehighton 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.