

Delaware River Flow and Storage Data -August 2017



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	Lehighton	Bethlehem	8:00 AM	Mean	Pottstown	Philadelphia	River Mile	(BG)	Capacity
8/1/2017	3,560	3,350	630	1,630	6,640	6,640	1,940	2,300	70	251.3	92.8%
8/2/2017	3,370	3,180	687	1,680	5,970	6,310	1,760	2,510	70	250.4	92.5%
8/3/2017	3,190	3,170	670	1,880	6,910	6,990	1,780	2,950	70	250.2	92.4%
8/4/2017	3,390	3,300	634	1,800	7,100	7,660	1,970	2,170	71	249.7	92.2%
8/5/2017	3,460	3,520	1,110	3,160	7,630	8,110	3,250	3,550	71	249.1	92.0%
8/6/2017	3,370	3,180	963	2,430	9,990	9,450	3,450	4,450	71	248.5	91.8%
8/7/2017	2,890	2,700	701	2,160	7,970	8,170	3,050	3,730	71	247.7	91.5%
8/8/2017	2,370	2,410	719	1,950	9,110	8,630	2,820	5,110	71	247.0	91.2%
8/9/2017	2,490	2,500	659	1,690	7,150	6,940	2,100	3,170	71	246.2	90.9%
8/10/2017	3,060	2,620	622	1,480	6,150	6,070	1,750	2,330	71	245.4	90.6%
8/11/2017	2,810	2,520	614	1,480	5,680	5,690	1,560	1,870	71	244.4	90.2%
8/12/2017	3,280	3,380	1,230	3,840	5,430	7,150	2,730	1,680	71	243.9	90.1%
8/13/2017	4,210	3,690	1,060	2,930	10,900	10,700	4,520	4,210	71	243.5	89.9%
8/14/2017	3,460	3,200	728	2,340	9,550	9,420	3,530	3,850	71	242.9	89.7%
8/15/2017	3,150	2,810	687	2,200	8,180	8,250	2,580	3,060	71	242.1	89.4%
8/16/2017	2,870	2,600	671	2,030	7,580	7,530	2,140	2,760	71	241.3	89.1%
8/17/2017	3,370	2,860	642	1,660	6,730	6,660	1,850	2,180	71	240.5	88.8%
8/18/2017	3,370	2,850	691	3,160	5,930	6,490	2,030	1,940	70	239.8	88.5%
8/19/2017	3,720	3,380	954	3,880	9,220	9,900	6,620	4,950	70	239.7	88.5%
8/20/2017	4,390	4,000	900	2,750	8,530	8,630	4,340	5,510	70	239.6	88.5%
8/21/2017	3,940	3,830	643	2,240	7,780	8,060	2,940	3,410	70	239.3	88.4%
8/22/2017	3,870	3,520	617	1,940	7,530	7,460	2,680	2,720	70	238.4	88.0%
8/23/2017	4,290	3,830	666	2,060	11,700	9,230	5,150	6,610	70	237.9	87.8%
8/24/2017	4,550	3,940	623	1,820	7,780	7,880	3,210	4,480	70	237.4	87.7%
8/25/2017	3,970	3,390	606	1,600	7,100	7,280	2,330	2,970	70	236.7	87.4%
8/26/2017	3,440	2,880	1,250	1,740	6,640	6,690	1,920	2,360	70	236.0	87.1%
8/27/2017	2,590	2,430	884	1,910	5,800	6,290	1,760	1,990	70	235.2	86.9%
8/28/2017	2,410	2,280	571	1,620	5,590	5,540	1,640	1,790	70	234.4	86.6%
8/29/2017	3,080	2,600	509	1,310	5,150	5,040	1,570	1,790	70	233.5	86.2%
8/30/2017	2,990	2,430	523	1,290	4,680	4,820	1,540	1,820	70	232.6	85.9%
8/31/2017	2,930	2,450	516	1,240	4,870	4,760	1,500	1,680	70	231.7	85.5%

Observed Average		3,058	741	2,094	7,369	2,645	3,094	74		
Mean Monthly		2,168	493	1,116	4,442	749	1,085			
% of Normal		141.1%	150.4%	187.6%	165.9%	353.3%	285.3%			

TODAY'S RESERVOIR OBSERVATIONS: 8/31/2017											
*Lower Delaware Basin:			New York City 24-hr, as of 8 am:						NYC Daily Storage (BG)=		
	Vol. (BG)	Capacity	7-Day Precip	Usable	Storage	Draft	Directed Rel	NYC Daily Storage Median (BG)=			
Blue Marsh	5.80	100.6%	(inches)	(BG)	(%)	(MG)	(MG)	204.4	75.5%		
Beltzville	13.50	100.1%	0.01	31.2	89.3%	0	0	27.3	13.36%		
Directed Releases from Basin Reservoirs (cfs):			Neversink	0.00	122.5	87.4%	450	81			
Blue Marsh	0	Merrill Creek	0	Cannonsville	0.00	78.0	81.5%	224	317		
Beltzville	0	Wallenpaupack	0	Rondout	0.00	48.4	97.6%	692			

\*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.