

Delaware River Flow and Storage Data - July 2017



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			
7/1/2017	3,430	3,140	642	2,130	4,870	5,150	2,340	2,070	67	264.7	97.7%
7/2/2017	3,150	2,990	669	2,200	5,680	6,790	2,780	3,400	67	264.5	97.6%
7/3/2017	3,830	3,550	632	1,600	6,370	6,270	1,880	2,450	67	264.0	97.5%
7/4/2017	3,330	3,110	612	1,430	5,470	5,710	1,610	1,790	67	263.4	97.2%
7/5/2017	3,050	2,810	595	1,340	5,800	5,770	1,460	1,470	67	262.6	97.0%
7/6/2017	2,970	2,710	584	1,300	5,110	5,190	1,380	1,420	68	261.8	96.6%
7/7/2017	2,750	2,650	786	5,610	4,750	5,890	2,540	1,510	68	260.9	96.3%
7/8/2017	3,480	2,920	931	4,310	16,200	14,300	5,200	4,660	69	260.0	96.0%
7/9/2017	2,800	2,590	846	2,990	9,710	9,570	3,020	3,900	69	259.3	95.8%
7/10/2017	2,840	2,570	612	2,300	7,630	7,570	2,300	2,650	69	258.4	95.4%
7/11/2017	2,710	2,590	584	1,840	6,370	6,380	1,940	2,140	69	257.4	95.0%
7/12/2017	2,710	2,510	580	1,700	5,680	5,790	1,740	1,860	70	256.6	94.7%
7/13/2017	2,210	2,140	577	1,800	5,430	5,870	1,760	1,820	70	256.0	94.5%
7/14/2017	2,350	2,280	640	2,720	5,590	6,010	4,370	4,530	70	256.3	94.6%
7/15/2017	3,050	3,050	776	3,210	6,730	7,970	6,720	6,250	70	256.8	94.8%
7/16/2017	4,350	3,840	643	2,390	8,690	8,540	4,040	5,530	70	256.6	94.7%
7/17/2017	3,340	3,170	596	1,960	8,020	8,080	2,950	3,470	70	256.1	94.6%
7/18/2017	2,780	2,800	712	1,860	8,070	7,660	2,610	2,840	70	255.9	94.5%
7/19/2017	2,910	2,960	739	1,830	6,730	6,600	2,260	2,600	70	255.3	94.2%
7/20/2017	3,160	3,250	648	1,640	6,280	6,370	1,960	2,140	71	254.5	94.0%
7/21/2017	3,230	3,330	904	1,990	6,280	6,510	1,720	1,860	70	253.6	93.7%
7/22/2017	3,290	2,990	966	2,000	7,100	7,050	1,740	1,780	71	252.8	93.3%
7/23/2017	2,970	2,840	954	2,730	7,780	8,030	2,720	3,930	71	252.1	93.1%
7/24/2017	2,930	3,040	1,350	4,500	7,290	8,690	5,200	5,690	71	252.5	93.2%
7/25/2017	8,610	7,740	2,740	7,470	15,600	15,800	9,590	14,100	71	253.7	93.7%
7/26/2017	7,900	7,710	1,800	5,040	16,400	16,800	6,260	8,350	70	254.1	93.8%
7/27/2017	6,890	6,260	1,270	3,490	15,500	14,800	4,370	5,520	70	254.1	93.8%
7/28/2017	5,630	5,100	1,100	2,960	12,900	12,300	3,320	3,970	70	253.8	93.7%
7/29/2017	4,960	4,350	1,060	2,570	11,000	10,400	3,420	3,700	70	253.4	93.6%
7/30/2017	3,930	3,530	867	2,160	9,220	8,990	2,700	3,150	70	252.8	93.3%
7/31/2017	3,450	3,290	713	1,980	7,390	7,400	2,350	2,600	70	252.1	93.1%

Observed Average		3,478	875	2,679		8,331	3,169	3,650		70	
Mean Monthly		2,442	663	1,434		5,451	1,066	1,342			
% of Normal		142.4%	132.0%	186.9%		152.8%	297.3%	272.0%			

TODAY'S RESERVOIR OBSERVATIONS: 7/31/2017											
*Lower Delaware Basin:			New York City 24-hr, as of 8 am:						NYC Daily Storage (BG)=		
	Vol. (BG)	Capacity	7-Day Precip (inches)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)	NYC Daily Storage Median (BG)=	NYC Daily Storage Median (BG)=		
Blue Marsh	5.89	102.3%						232.4	232.4	85.8%	
Beltzville	13.52	100.2%	0.15	32.7	93.5%	0	0	19.7	19.7	8.47%	
Directed Releases from Basin Reservoirs (cfs):			Neversink	0.03	132.5	94.5%	449	0	108.2	108.2	
Blue Marsh	0	Merrill Creek	0	Cannonsville	0.18	87.0	90.9%	225	0	128.2	
Beltzville	0	Wallenpaupack	0	Rondout	0.01	48.4	97.5%	694	0	28.6	

*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
 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.