

Delaware River Flow and Storage Data -September 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			
9/1/2017	2,890	2,460	485	1,190	4,720	4,590	1,370	1,530	71	230.8	85.2%
9/2/2017	1,750	1,800	1,200	1,420	4,570	4,550	1,340	1,450	71	229.8	84.8%
9/3/2017	1,720	1,750	931	2,250	4,720	5,120	2,000	2,330	72	229.0	84.6%
9/4/2017	2,120	2,020	633	1,810	5,430	5,500	1,750	2,510	72	228.4	84.3%
9/5/2017	2,930	2,380	592	1,580	5,030	4,910	1,520	1,910	72	227.7	84.1%
9/6/2017	3,080	2,680	923	2,560	4,790	5,480	4,580	3,290	72	226.8	83.7%
9/7/2017	3,600	3,060	1,390	3,620	6,590	7,830	6,330	7,060	72	226.9	83.8%
9/8/2017	3,970	3,340	1,170	2,890	8,590	8,540	4,840	6,040	72	226.8	83.7%
9/9/2017	3,720	3,180	818	2,160	7,680	7,750	3,240	4,260	72	226.4	83.6%
9/10/2017	2,890	2,590	769	1,840	6,780	6,900	2,570	3,130	72	225.7	83.3%
9/11/2017	2,740	2,440	729	1,710	6,100	6,110	2,180	2,610	72	225.1	83.1%
9/12/2017	2,970	2,560	609	1,590	5,310	5,400	1,870	2,230	72	224.3	82.8%
9/13/2017	2,830	2,320	565	1,480	4,990	5,150	1,820	2,030	72	223.5	82.5%
9/14/2017	2,760	2,290	563	1,410	5,110	5,010	1,860	2,190	72	222.9	82.3%
9/15/2017	2,680	2,260	533	1,360	4,870	4,770	1,690	2,030	72	222.2	82.0%
9/16/2017	2,850	2,430	517	1,300	4,720	4,600	1,490	1,780	72	221.3	81.7%
9/17/2017	1,840	2,090	507	1,240	4,640	4,570	1,410	1,600	72	220.5	81.4%
9/18/2017	2,470	2,350	512	1,230	4,680	4,470	1,380	1,540	72	219.7	81.1%
9/19/2017	2,280	2,030	530	1,230	4,200	4,260	1,310	1,480	72	219.1	80.9%
9/20/2017	2,010	1,740	486	1,200	4,530	4,460	1,220	1,400	72	218.3	80.6%
9/21/2017	1,790	1,700	460	1,100	4,130	4,000	1,100	1,270	73	217.4	80.3%
9/22/2017	1,770	1,620	442	1,050	3,710	3,600	1,100	1,200	73	216.4	79.9%
9/23/2017	1,750	1,760	415	999	3,450	3,420	1,010	1,130	73	215.1	79.4%
9/24/2017	2,490	2,120	407	979	3,350	3,280	971	1,070	73	213.9	79.0%
9/25/2017	2,640	2,370	404	959	3,260	3,340	948	1,030	74	212.7	78.5%
9/26/2017	2,490	2,310	391	939	3,750	3,720	983	1,020	74	211.3	78.0%
9/27/2017	2,530	2,310	385	923	3,950	3,870	967	1,040	74	209.9	77.5%
9/28/2017	2,450	2,200	376	888	3,810	3,800	942	1,040	74	208.5	77.0%
9/29/2017	1,960	1,930	350	852	3,710	3,670	846	975	74	207.1	76.5%
9/30/2017	1,800	1,860	341	819	3,580	3,490	819	905	75	205.8	76.0%

Observed Average	2,265	614	1,486	4,872	1,850	2,101	76	
Mean Monthly	2,016	477	1,099	4,439	781	1,102		
% of Normal	112.4%	128.7%	135.2%	109.8%	236.9%	190.7%		

*Lower Delaware Basin:		New York City 24-hr, as of 8 am:							NYC Daily Storage (BG)=		205.8	76.0%
Vol. (BG)	Capacity	7-Day Precip (inches)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)	NYC Daily Storage Median (BG)=	181.3	66.9%			
Blue Marsh	5.79	100.6%					24.5	13.52%				
Beltzville	13.50	100.0%	Neversink	0.03	29.7	85.1%	0	55	BG Above Drought Watch = 95.0			
Directed Releases from Basin Reservoirs (cfs):		Pepacton	0.18	113.0	80.6%	450	71	BG Above Drought Warning = 115.0				
Blue Marsh	0	Merrill Creek	0	Cannonsville	0.16	63.1	65.9%	299	793	BG Above Drought = 135.0		
Beltzville	0	Wallenpaupack	0	Rondout	0.10	47.8	96.4%	608		BG Above One Year Ago = 32.9		

*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.