

## Delaware River Flow and Storage Data - May 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
5/1/2017	5,320	5,640	943	1,700	11,100	10,800	1,360	1,840	65	270.0	99.7%
5/2/2017	5,820	9,330	993	1,850	10,200	10,000	1,410	1,700	65	273.4	101.0%
5/3/2017	18,700	18,600	1,000	1,770	10,700	13,200	1,460	1,750	65	275.2	101.6%
5/4/2017	15,000	15,100	1,030	1,700	22,400	21,900	1,330	1,650	64	275.1	101.6%
5/5/2017	12,400	12,800	1,200	2,040	18,800	19,900	1,600	2,540	64	274.8	101.5%
5/6/2017	13,300	14,200	1,510	2,820	18,600	19,200	2,290	3,080	64	275.1	101.6%
5/7/2017	14,700	14,700	1,760	2,810	19,800	20,300	2,380	3,000	64	275.0	101.5%
5/8/2017	13,400	13,500	1,910	2,810	20,500	20,300	2,100	2,660	64	274.7	101.4%
5/9/2017	12,000	11,600	1,860	2,880	18,700	18,700	1,920	2,390	63	274.3	101.3%
5/10/2017	10,300	10,000	1,430	2,400	17,200	16,600	1,780	2,160	63	273.8	101.1%
5/11/2017	9,070	8,880	1,340	2,170	15,000	14,500	1,670	2,000	63	273.5	101.0%
5/12/2017	8,570	8,000	1,290	2,090	13,400	13,100	1,600	1,900	62	273.2	100.9%
5/13/2017	6,510	6,970	1,640	3,100	13,100	15,500	2,720	4,560	62	273.1	100.8%
5/14/2017	8,800	9,430	1,940	4,020	19,500	19,300	3,190	7,080	63	273.6	101.0%
5/15/2017	9,950	10,200	2,400	3,670	18,700	18,800	2,490	4,070	63	273.6	101.0%
5/16/2017	9,110	8,850	2,210	3,840	18,500	18,300	2,220	3,080	64	273.5	101.0%
5/17/2017	7,840	7,950	1,510	2,950	16,900	16,100	2,010	2,720	65	273.1	100.8%
5/18/2017	6,870	7,290	1,510	2,730	14,300	14,000	1,790	2,400	65	272.7	100.7%
5/19/2017	6,750	6,740	1,310	2,500	13,100	13,000	1,680	2,150	66	272.5	100.6%
5/20/2017	5,510	5,420	1,400	2,290	12,300	11,900	1,550	1,920	67	272.4	100.6%
5/21/2017	4,690	4,800	1,060	2,130	11,300	10,700	1,500	1,790	68	272.3	100.5%
5/22/2017	4,240	4,240	1,000	1,910	9,220	9,180	1,450	1,820	68	271.9	100.4%
5/23/2017	4,410	4,260	920	1,930	8,850	8,690	1,370	1,850	68	271.7	100.3%
5/24/2017	4,310	4,060	939	1,830	8,380	8,380	1,350	1,700	69	271.5	100.2%
5/25/2017	4,140	3,980	949	1,930	8,180	8,740	1,510	2,590	69	271.2	100.1%
5/26/2017	4,560	4,560	1,020	2,080	12,700	11,800	2,370	4,640	69	271.1	100.1%
5/27/2017	4,540	4,260	1,180	1,910	10,100	10,100	1,580	3,040	69	271.0	100.1%
5/28/2017	3,720	3,780	1,120	1,900	9,770	9,460	1,390	2,110	69	270.9	100.0%
5/29/2017	3,380	3,630	1,550	2,610	8,280	8,340	1,810	2,010	69	270.6	99.9%
5/30/2017	4,540	4,550	1,580	2,920	9,550	9,750	3,120	3,160	69	271.0	100.0%
5/31/2017	5,030	4,880	1,710	2,940	10,200	10,300	2,640	3,540	69	271.5	100.2%

<b>Observed Average</b>	8,135	1,394	2,459		13,898	1,892	2,674	68		
<b>Mean Monthly</b>	5,791	1,282	2,664		11,675	1,781.0	2,613			
<b>% of Normal</b>	140.5%	108.7%	92.3%		119.0%	106.2%	102.4%			

**TODAY'S RESERVOIR OBSERVATIONS: 5/31/2017**

*Lower Delaware Basin:			New York City 24-hr, as of 8 am:					NYC Daily Storage (BG)=		271.5	100.2%
Vol. (BG)	Capacity		7-Day Precip (inches)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)	NYC Daily Storage Median (BG)=	269.5	99.5%	
Blue Marsh	5.95	103.3%						BG Above Daily Storage Median =	2.0	0.75%	
Beltzville	13.51	100.1%	Never sink	2.17	34.9	100.0%	88	0	BG Above Drought Watch =	81.5	
<b>Directed Releases from Basin Reservoirs (cfs):</b>			Pepacton	1.77	140.5	100.2%	411	0	BG Above Drought Warning =	97.5	
Blue Marsh	0	Merrill Creek	0	Cannonsville	1.51	96.1	100.4%	0	0	BG Above Drought =	121.5
Beltzville	0	Wallenpaupack	0	Rondout	2.33	49.1	98.9%	616	0	BG Above One Year Ago =	5.3

\*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
  - 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.
  - 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.
  - 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).
  - 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.
  - NYC Storage Median based on beginning of month values reported to the Delaware River Master from June 1967 - May 2013.
  - Drought Watch, Warning and Drought are defined by Figure 1 of Article 2 in the Delaware River Basin Water Code 18 CFR Part 410.