

Delaware River Flow and Storage Data -November 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)		River Mile	Delaware River Basin Storage	
	8:00 AM	Mean	Lehighton	Bethlehem	8:00 AM	Mean	Pottstown	Philadelphia		(BG)	Capacity
11/1/2017	10,100	9,390	952	2,050	26,400	23,600	1,260	2,320	77	188.9	69.7%
11/2/2017	7,000	6,690	837	1,710	15,600	14,700	1,120	1,760	76	189.9	70.1%
11/3/2017	5,650	5,470	831	1,580	11,900	11,400	1,050	1,540	75	190.7	70.4%
11/4/2017	4,070	4,490	694	1,450	9,880	9,800	983	1,410	74	191.4	70.7%
11/5/2017	3,510	3,940	698	1,380	8,480	8,460	971	1,360	75	191.9	70.9%
11/6/2017	3,140	3,170	713	1,390	7,680	7,490	1,010	1,330	74	192.3	71.0%
11/7/2017	2,890	2,900	749	1,440	7,100	6,820	988	1,370	73	192.9	71.2%
11/8/2017	3,010	3,030	724	1,510	6,190	6,240	1,230	1,710	73	193.2	71.3%
11/9/2017	2,910	2,880	513	1,280	6,060	6,040	1,130	1,760	73	193.6	71.5%
11/10/2017	2,700	2,690	545	1,140	5,890	5,740	1,040	1,490	73	193.7	71.5%
11/11/2017	2,640	2,600	533	1,140	5,350	5,310	1,000	1,380	73	193.8	71.5%
11/12/2017	2,490	2,450	521	1,110	5,110	5,100	944	1,290	73	193.9	71.6%
11/13/2017	2,300	2,290	476	1,120	4,990	5,010	957	1,290	73	193.9	71.6%
11/14/2017	2,220	2,240	467	1,070	4,990	4,890	998	1,360	73	193.7	71.5%
11/15/2017	2,150	2,180	464	1,030	4,570	4,580	957	1,350	73	193.4	71.4%
11/16/2017	2,080	2,100	450	1,020	4,340	4,360	939	1,290	73	193.2	71.3%
11/17/2017	1,970	2,070	446	987	4,340	4,310	888	1,230	73	192.7	71.2%
11/18/2017	2,080	2,100	455	1,010	4,130	4,150	964	1,210	73	192.5	71.1%
11/19/2017	2,150	2,180	534	1,250	4,380	4,460	1,630	2,470	73	192.6	71.1%
11/20/2017	2,950	3,060	537	1,260	4,870	4,900	1,420	2,740	72	193.0	71.3%
11/21/2017	3,530	3,460	681	1,260	4,870	5,000	1,340	1,990	72	193.7	71.5%
11/22/2017	2,930	2,920	617	1,290	5,800	5,910	1,260	1,810	72	193.9	71.6%
11/23/2017	2,680	2,670	544	1,150	5,800	5,690	1,140	1,650	72	193.7	71.5%
11/24/2017	2,530	2,510	532	1,110	5,270	5,200	1,090	1,500	72	193.7	71.5%
11/25/2017	2,410	2,390	541	1,110	4,950	4,890	985	1,410	72	193.7	71.5%
11/26/2017	2,300	2,310	546	1,110	4,720	4,710	943	1,300	72	193.6	71.5%
11/27/2017	2,240	2,240	552	1,080	4,640	4,600	910	1,250	72	193.4	71.4%
11/28/2017	2,150	2,190	614	1,120	4,450	4,450	881	1,190	72	193.5	71.4%
11/29/2017	2,040	2,050	607	1,150	4,420	4,470	846	1,160	73	193.3	71.4%
11/30/2017	1,940	1,970	559	1,110	4,380	4,370	825	1,120	73	193.5	71.4%

TODAY'S RESERVOIR OBSERVATIONS: 11/30/2017

*Lower Delaware Basin:			New York City 24-hr, as of 8 am:						NYC Daily Storage (BG)=		193.5	71.4%
Vol. (BG)	Capacity		7-Day Precip	Usable	Storage	Draft	Directed Rel	NYC Daily Storage Median (BG)=		197.8	73.0%	
			(inches)	(BG)	(%)	(MG)	(MG)	BG Below Daily Storage Median =		4.3	-2.17%	
Blue Marsh	4.47	100.8%										
Beltzville	13.51	100.1%	Neversink	0.18	31.1	89.1%	0	0	BG Above Drought Watch =	83.5		
Directed Releases from Basin Reservoirs (cfs):			Pepacton	0.22	112.3	80.1%	302	43	BG Above Drought Warning =	103.5		
Blue Marsh	0	Merrill Creek	0	Cannonsville	0.14	50.0	52.3%	298	47	BG Above Drought =	123.5	
Beltzville	0	Wallenpaupack	0	Rondout	0.05	46.2	93.1%	601		BG Above One Year Ago =	85.6	

\*Percent capacity in Blue Marsh Reservoir is based upon the normal WINTER POOL storage of 4.43 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.