

Delaware River Flow and Storage Data -October 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)
10/1/2017	2,000	2,000	341	823	3,260	3,230	792	933	75	204.4	75.5%
10/2/2017	2,000	2,040	338	828	3,130	3,180	779	937	75	202.8	74.9%
10/3/2017	2,080	2,060	341	793	3,260	3,240	779	939	76	201.3	74.3%
10/4/2017	2,100	2,220	338	787	3,190	3,210	744	929	76	199.7	73.7%
10/5/2017	2,080	2,060	337	783	3,220	3,220	754	897	76	198.4	73.2%
10/6/2017	1,920	1,920	338	813	3,290	3,380	843	909	76	196.9	72.7%
10/7/2017	1,880	1,940	1,780	1,170	3,320	3,290	867	979	76	195.5	72.2%
10/8/2017	1,900	1,960	2,010	2,820	3,130	3,630	837	1,020	77	194.2	71.7%
10/9/2017	2,210	2,280	952	2,070	5,270	5,410	1,160	1,330	75	193.6	71.5%
10/10/2017	1,900	1,940	931	2,000	5,030	5,350	2,100	2,010	76	193.5	71.5%
10/11/2017	2,150	2,160	1,070	1,850	5,680	5,440	1,540	2,250	76	193.1	71.3%
10/12/2017	2,310	2,260	989	1,760	4,790	4,970	1,280	1,890	76	192.7	71.2%
10/13/2017	2,090	2,040	635	1,430	4,790	4,920	1,250	1,690	77	192.4	71.0%
10/14/2017	1,690	1,670	492	1,140	4,640	4,460	1,080	1,480	77	191.7	70.8%
10/15/2017	1,490	1,600	449	986	3,990	3,880	1,010	1,330	77	190.8	70.4%
10/16/2017	1,810	1,790	470	1,000	3,420	3,360	995	1,260	77	189.8	70.1%
10/17/2017	1,840	1,860	618	1,060	3,130	3,180	1,200	1,270	77	188.7	69.7%
10/18/2017	1,910	1,910	607	1,100	3,290	3,380	1,090	1,350	77	187.5	69.2%
10/19/2017	1,890	1,890	589	1,070	3,450	3,480	1,080	1,300	77	186.2	68.8%
10/20/2017	1,890	1,880	492	993	3,510	3,490	1,060	1,250	77	185.0	68.3%
10/21/2017	1,850	1,850	464	943	3,380	3,360	1,040	1,200	77	183.9	67.9%
10/22/2017	1,840	1,850	368	869	3,290	3,280	1,010	1,170	77	182.7	67.4%
10/23/2017	1,840	1,820	365	801	3,190	3,170	996	1,140	78	181.6	67.0%
10/24/2017	1,770	1,870	445	1,030	3,100	3,210	1,010	1,350	78	180.5	66.6%
10/25/2017	1,990	2,010	445	1,010	4,060	3,990	1,050	1,460	79	180.2	66.5%
10/26/2017	1,820	2,230	462	951	3,990	3,980	1,040	1,300	79	179.4	66.2%
10/27/2017	2,380	2,340	453	946	3,850	3,790	985	1,220	79	178.4	65.9%
10/28/2017	2,170	2,180	423	904	3,780	4,000	961	1,150	79	177.7	65.6%
10/29/2017	1,740	1,930	443	1,120	4,020	4,790	1,100	1,730	79	177.0	65.4%
10/30/2017	7,940	10,600	994	2,790	11,600	11,300	2,390	8,030	79	181.3	66.9%
10/31/2017	21,700	18,600	1,360	2,680	15,000	19,300	1,790	4,030	78	186.8	69.0%

Observed Average	2,799	656	1,268	4,576	1,117	1,604	72	
Mean Monthly	2,654	971	1,795	6,020	995	1,383		
% of Normal	105.5%	67.6%	70.7%	76.0%	112.2%	116.0%		

TODAY'S RESERVOIR OBSERVATIONS: 10/31/2017										
*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)=	186.8	69.0%
Blue Marsh	4.31	97.2%	(inches)	(BG)	(%)	(MG)	(MG)	BG Above Daily Storage Median =	13.0	7.50%
Beltzville	13.52	100.2%	Neversink	5.99	30.0	85.7%	2	0	BG Above Drought Watch =	76.8
Directed Releases from Basin Reservoirs (cfs):			Pepacton	4.21	111.9	79.8%	401	0	BG Above Drought Warning =	96.8
Blue Marsh	0	Merrill Creek	Cannonsville	2.82	44.9	47.0%	0	0	BG Above Drought =	116.8
Beltzville	0	Wallenpaupack	Rondout	3.43	46.9	94.4%	689		BG Above One Year Ago =	49.6

\*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
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.