

Delaware River Flow and Storage Data -January 2018



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
1/1/2018	Ice	2,420	302	806	Ice	4,250	575	795	75	184.6	68.2%
1/2/2018	Ice	2,530	312	854	Ice	4,350	626	842	75	183.9	67.9%
1/3/2018	Ice	2,610	367	786	Ice	4,420	634	868	75	183.6	67.8%
1/4/2018	Ice	2,760	410	762	Ice	4,300	658	893	75	183.3	67.7%
1/5/2018	Ice	3,790	392	736	Ice	6,380	575	798	75	183.0	67.6%
1/6/2018	Ice	3,910	369	713	Ice	7,040	588	721	75	182.6	67.4%
1/7/2018	Ice	3,770	368	696	Ice	6,890	594	760	75	182.1	67.2%
1/8/2018	Ice	2,890	366	738	Ice	4,640	553	820	75	181.7	67.1%
1/9/2018	Ice	2,440	403	766	Ice	10,100	533	827	75	181.6	67.0%
1/10/2018	Ice	2,150	465	790	Ice	Ice	527	829	75	181.4	67.0%
1/11/2018	Ice	1,900	488	846	Ice	Ice	517	845	76	181.2	66.9%
1/12/2018	Ice	3,510	792	Ice	Ice	Ice	1,050	2,110	76	181.3	66.9%
1/13/2018	Ice	Ice	4,860	Ice	Ice	Ice	6,410	7,300	76	187.9	69.4%
1/14/2018	18,400	16,500	5,280	7,990	Ice	Ice	6,910	9,310	76	193.2	71.3%
1/15/2018	10,800	9,980	2,950	5,640	Ice	Ice	4,110	5,350	76	195.4	72.2%
1/16/2018	7,430	7,280	2,590	4,610	Ice	Ice	3,020	3,710	76	197.2	72.8%
1/17/2018	6,570	6,550	2,380	4,190	Ice	Ice	2,590	3,090	76	198.7	73.4%
1/18/2018	6,600	6,870	1,550	3,260	Ice	Ice	2,140	2,640	76	199.8	73.8%
1/19/2018	6,510	6,070	1,460	2,790	Ice	Ice	1,760	2,160	76	200.5	74.0%
1/20/2018	5,710	4,950	1,240	2,530	Ice	Ice	1,700	1,920	76	201.2	74.3%
1/21/2018	4,140	4,130	1,180	2,370	Ice	Ice	1,600	1,850	75	202.0	74.6%
1/22/2018	3,950	4,110	1,180	-	Ice	Ice	1,550	1,770	76	202.7	74.8%
1/23/2018	4,720	6,220	3,700	-	Ice	Ice	3,440	2,330	75	203.6	75.2%
1/24/2018	22,000	21,000	5,310	9,110	27,300	25,100	10,200	10,800	75	209.6	77.4%
1/25/2018	15,300	14,500	4,290	6,940	36,700	33,800	6,430	8,380	75	212.2	78.4%
1/26/2018	11,300	10,200	3,390	5,670	26,100	24,600	4,500	5,740	75	214.0	79.0%
1/27/2018	9,140	7,930	2,120	3,960	19,800	18,800	3,360	4,170	75	215.3	79.5%
1/28/2018	7,030	6,790	2,210	3,800	15,800	15,600	3,050	3,540	74	216.6	80.0%
1/29/2018	6,340	6,320	2,060	3,600	14,900	14,800	2,810	3,540	74	217.8	80.4%
1/30/2018	6,160	6,030	1,720	3,340	13,900	13,900	2,410	3,080	73	218.7	80.8%
1/31/2018	5,650	5,680	1,500	2,960	13,100	12,600	2,100	2,670	73	219.4	81.0%

Observed Average	6,193	1,807	2,802		12,445	2,501	3,047	69		
Mean Monthly	5,078	1,271	2,779		14,005	1,829	2,744			
% of Normal	122.0%	142.2%	100.8%		88.9%	136.8%	111.0%			

TODAY'S RESERVOIR OBSERVATIONS: 1/31/2018											
*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)=	219.4	81.0%	
Blue Marsh	4.47	100.8%	(inches)	(BG)	(%)	(MG)	(MG)	BG Below Daily Storage Median =	8.4	-3.71%	
Beltzville	13.55	100.4%	Neversink	0.03	32.4	92.7%	258	0	BG Above Drought Watch =	77.0	
Directed Releases from Basin Reservoirs (cfs):			Pepacton	0.03	118.2	84.3%	0	0	BG Above Drought Warning =	97.0	
Blue Marsh	0	Merrill Creek	Cannonsville	0.04	68.8	71.8%	0	0	BG Above Drought =	117.0	
Beltzville	0	Wallenpaupack	Rondout	0.04	47.33	95.4%	559	0	BG Above One Year Ago =	40.9	

\*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.