

Delaware River Flow and Storage Data -May 2015 Summary



DAY	Delaware at Montague		Lehigh River			Delaware at Trenton		Schuylkill River			Salt Front	New York City		
	Flow (cfs)		Flow (cfs)		Min DO (mg/l)	Flow (cfs)		Flow (cfs)		Max Temp (C)		Delaware River Basin Storage		
	8:00 AM	Mean	Lehighton	Bethlehem	Glendon	8:00 AM	Mean	Pottstown	Philadelphia	Vincent Dam	RM	(BG)	Capacity	
5/1/2015	4,000	4,220	1,190	2,200		9,770	9,570	1,650	2,100		70	265.7	98.1%	
5/2/2015	3,650	3,810	1,060	2,010		9,060	8,890	1,560	1,940		70	265.8	98.1%	
5/3/2015	3,510	3,620	1,000	1,890		8,690	8,400	1,470	1,860		71	266.0	98.2%	
5/4/2015	3,250	3,340	924	1,780		7,970	7,800	1,400	1,730		71	266.0	98.2%	
5/5/2015	2,850	3,040	938	1,730		7,530	7,290	1,320	1,630		71	266.0	98.2%	
5/6/2015	2,660	2,730	811	1,670		7,100	7,000	1,300	1,550		71	265.9	98.2%	
5/7/2015	2,590	2,610	798	1,550		6,870	6,720	1,270	1,550		71	265.8	98.2%	
5/8/2015	2,510	2,590	816	1,520		6,280	6,250	1,230	1,470		71	265.9	98.2%	
5/9/2015	2,530	2,490	1,010	1,500		6,100	6,090	1,150	1,410		71	266.0	98.2%	
5/10/2015	2,190	2,190	793	1,640		5,850	5,990	1,110	1,310		71	266.0	98.2%	
5/11/2015	2,340	2,250	667	1,360		5,800	5,720	1,050	1,270		71	265.9	98.2%	
5/12/2015	2,390	2,400	588	1,250		5,310	5,270	989	1,210		71	265.8	98.1%	
5/13/2015	2,220	2,120	569	1,170		5,030	5,090	923	1,100		71	265.5	98.0%	
5/14/2015	1,800	1,790	550	1,070		4,870	4,940	874	1,030		71	265.4	98.0%	
5/15/2015	1,720	1,740	567	1,060		4,530	4,480	813	984		71	265.0	97.9%	
5/16/2015	1,700	1,850	775	1,070		4,200	4,180	799	951		71	264.7	97.7%	
5/17/2015	1,890	2,040	617	1,370		4,160	4,200	878	1,050		71	264.6	97.7%	
5/18/2015	2,930	3,060	526	1,080		5,070	4,980	822	1,100		71	264.2	97.5%	
5/19/2015	3,140	2,890	537	1,180		4,790	5,040	994	1,080		71	263.8	97.4%	
5/20/2015	2,930	2,840	521	1,080		5,930	5,820	1,020	1,220		72	263.3	97.2%	
5/21/2015	2,930	2,770	535	1,020		5,110	5,240	880	1,120		72	262.8	97.0%	
5/22/2015	2,810	2,560	509	984		4,990	5,160	773	1,010		72	262.0	96.8%	
5/23/2015	2,740	2,390	708	930		4,680	4,840	690	868		72	261.4	96.5%	
5/24/2015	1,890	1,870	760	1,180		4,380	4,550	640	803		72	260.9	96.3%	
5/25/2015	1,770	1,790	487	1,150		4,530	4,340	622	742		72	260.2	96.1%	
5/26/2015	1,970	1,940	425	830		4,130	3,940	600	716		72	259.6	95.9%	
5/27/2015	2,210	2,010	502	888		3,510	3,650	614	712		72	258.9	95.6%	
5/28/2015	2,370	2,380	584	1,120		3,710	3,710	745	838		73	258.7	95.5%	
5/29/2015	2,600	2,760	483	1,010		4,060	4,060	789	955		73	258.2	95.3%	
5/30/2015	2,720	2,510	455	870		4,230	4,460	649	833		73	257.4	95.0%	
5/31/2015	2,370	2,310	580	921		4,420	4,530	611	690		73	256.9	94.9%	

Observed Average	2,545	687	1,293			5,555	975	1,188					
Mean Monthly	5,791	1,282	2,664			11,675	1,781	2,613		68			
% of Normal	44.0%	53.6%	48.5%			47.6%	54.8%	45.5%					

TODAY'S RESERVOIR OBSERVATIONS: 5/31/2015														
*Lower Delaware Basin:			New York City 24-hr, as of 8 am:							NYC Daily Storage (BG)=			256.9	94.9%
	Vol. (BG)	Capacity		Precip (inches)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)		NYC Daily Storage Median (BG)=	269.5	99.5%		
Blue Marsh	5.75	99.9%								BG Below Daily Storage Median =	12.6	-4.66%		
Beltzville	13.50	100.1%	Neversink	0.38	33.5	95.9%	0	0		BG Above Drought Watch =	66.9			
			Pepacton	0.46	133.4	95.3%	399	0		BG Above Drought Warning =	86.9			
Directed Releases from Basin Reservoirs (cfs):														
Blue Marsh	0	Merrill Creek	0	Cannonsville	0.36	90.0	94.0%	50	0	BG Above Drought =	106.9			
Beltzville	0	Wallenpaupack	0	Rondout	0.72	49.3	99.4%	698	0	BG Below One Year Ago =	13.2			

\*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.

**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 based on the 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. Reporting of the minimum dissolved oxygen for the Lehigh River at Glendon and the maximum temperature at the Schuylkill River at Vincent Dam will be discontinued at the end of September 2014. Reporting will begin again in June 2015.
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.