

Delaware River Flow and Storage Data -January 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
1/1/2015	4,680	4,450	1,040	1,810		10,200	9,810	1,750	2,400		72	183.3	67.7%
1/2/2015	4,100	4,080	996	1,740		8,690	8,580	1,640	2,170		71	184.2	68.0%
1/3/2015	4,630	4,060	942	1,690		7,390	7,620	1,380	2,100		71	184.9	68.3%
1/4/2015	3,460	3,810	1,070	2,130		9,770	9,930	2,050	3,990		71	186.0	68.7%
1/5/2015	5,810	6,580	1,360	2,330		10,200	10,100	2,090	4,370		71	188.1	69.5%
1/6/2015	8,690	7,390	1,470	2,360		11,100	11,500	1,930	3,270		71	189.4	69.9%
1/7/2015	6,400	Ice	1,070	Ice		12,700	11,800	1,580	2,560		70	189.8	70.1%
1/8/2015	Ice	Ice	992	Ice		10,400	Ice	Ice	1,740		70	190.0	70.2%
1/9/2015	Ice	Ice	924	Ice		Ice	Ice	1,390	1,820		70	190.2	70.2%
1/10/2015	Ice	Ice	883	1,520		Ice	Ice	Ice	1,830		70	190.4	70.3%
1/11/2015	Ice	Ice	905	1,420		Ice	Ice	Ice	1,580		70	190.8	70.5%
1/12/2015	Ice	Ice	999	1,770		Ice	Ice	1,400	2,080		70	191.4	70.7%
1/13/2015	Ice	Ice	1,020	1,890		Ice	Ice	1,650	3,180		71	191.7	70.8%
1/14/2015	Ice	Ice	910	1,510		Ice	Ice	1,430	2,520		71	191.6	70.8%
1/15/2015	Ice	Ice	830	1,560		Ice	Ice	1,270	2,060		72	191.5	70.7%
1/16/2015	Ice	Ice	817	1,420		Ice	Ice	1,140	1,830		72	191.5	70.7%
1/17/2015	Ice	Ice	695	1,240		Ice	Ice	1,040	1,600		72	191.3	70.6%
1/18/2015	Ice	Ice	732	1,350		Ice	Ice	1,030	4,050		73	191.4	70.7%
1/19/2015	Ice	Ice	717	1,430		Ice	Ice	1,060	5,080		73	191.8	70.8%
1/20/2015	Ice	Ice	699	1,350		Ice	Ice	1,010	2,380		73	192.0	70.9%
1/21/2015	Ice	Ice	682	1,260		Ice	Ice	993	1,950		73	191.8	70.8%
1/22/2015	Ice	Ice	635	1,230		Ice	Ice	965	1,800		73	191.4	70.7%
1/23/2015	Ice	Ice	607	1,110		Ice	Ice	937	1,680		73	191.1	70.6%
1/24/2015	Ice	Ice	607	Ice		Ice	Ice	961	1,830		73	190.8	70.5%
1/25/2015	Ice	Ice	597	1,170		Ice	Ice	984	1,940		73	190.8	70.5%
1/26/2015	Ice	Ice	593	1,110		Ice	Ice	961	1,970		73	190.8	70.5%
1/27/2015	Ice	Ice	590	1,070		Ice	Ice	934	1,870		73	190.2	70.2%
1/28/2015	Ice	Ice	553	906		Ice	Ice	847	1,710		74	189.6	70.0%
1/29/2015	Ice	Ice	489	899		Ice	Ice	741	1,430		74	189.0	69.8%
1/30/2015	Ice	Ice	578	1,020		Ice	Ice	783	1,520		74	188.4	69.6%
1/31/2015	Ice	Ice	502	867		Ice	Ice	Ice	1,310		74	188.1	69.5%

Observed Average	5,062	823	1,450			9,906	1,257	2,310					
Mean Monthly	5,078	1,271	2,779			14,005	1,829	2,744			69		
% of Normal	99.7%	64.8%	52.2%			70.7%	68.8%	84.2%					

TODAY'S RESERVOIR OBSERVATIONS: 1/31/2015											
*Lower Delaware Basin:			New York City 24-hr, as of 8 am:						NYC Daily Storage (BG)=		
Blue Marsh	Vol. (BG)	Capacity	Precip (inches)	Usable (BG)	Storage (%)	Draft (MG)	Directed Rel (MG)	NYC Daily Storage Median (BG)=	188.1	69.5%	
	4.46	100.8%						227.8		84.1%	
Beltzville	13.36	99.0%	Neversink 0.00	27.9	79.9%	0	0	BG Below Daily Storage Median =	39.7	-17.42%	
Directed Releases from Basin Reservoirs (cfs):			Pepacton 0.00	100.9	72.0%	0	0	BG Above Drought Watch =	45.8		
Blue Marsh	0	Merrill Creek	0	59.4	62.0%	299	0	BG Above Drought Warning =	65.8		
Beltzville	0	Wallenpaupack	0	46.7	94.2%	602	0	BG Above Drought =	85.8		
								BG Below One Year Ago =	58.8		

*Percent capacity in Blue Marsh Reservoir is based upon the normal winter pool storage of 4.42 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
 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.