Delaware River Flow and Storage Data -February 2015 Summary

Delaware River Basin Commission
DELAWARE • NEW JERSEY
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UNITED STATES OF AMERICA

	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	
DAY	8:00 AM	Mean	Lehighton	Bethlehem	Glendon	8:00 AM	Mean	Pottstown	Philadelphia	Vincent Dam	RM	(BG)	Capacity
2/1/2015	Ice	Ice	564	911		Ice	Ice	830	1,320		75	187.9	69.4%
2/2/2015	Ice	Ice	560	1,070		Ice	Ice	1,350	2,840		75	188.0	69.4%
2/3/2015	Ice	Ice	544	965		Ice	Ice	1,460	3,940		75	187.6	69.2%
2/4/2015	Ice	Ice	552	1,010		Ice	Ice	1,330	2,510		75	187.1	69.1%
2/5/2015	Ice	Ice	533	1,040		Ice	Ice	1,170	2,120		75	186.7	68.9%
2/6/2015	Ice	Ice	461	833		Ice	Ice	980	1,650		75	186.2	68.8%
2/7/2015	Ice	Ice	519	865		Ice	Ice	917	1,470		75	185.7	68.6%
2/8/2015	Ice	Ice	529	978		Ice	Ice	974	1,470		76	185.6	68.5%
2/9/2015	Ice	Ice	505	974		Ice	Ice	970	1,470		76	185.6	68.5%
2/10/2015	Ice	Ice	517	992		Ice	Ice	1,010	1,450		76	185.1	68.4%
2/11/2015	Ice	Ice	Ice	983		Ice	Ice	976	1,480		76	184.6	68.2%
2/12/2015	Ice	Ice	Ice	984		Ice	Ice	944	1,460		76	183.8	67.9%
2/13/2015	Ice	Ice	Ice	779		Ice	Ice	871	1,320		76	183.3	67.7%
2/14/2015	Ice	Ice	Ice	727		Ice	Ice	796	1,120		77	182.7	67.5%
2/15/2015	Ice	Ice	Ice	654		Ice	Ice	Ice	Ice		77	182.3	67.3%
2/16/2015	Ice	Ice	Ice	Ice		Ice	Ice	Ice	Ice		76	181.7	67.1%
2/17/2015	Ice	Ice	Ice	Ice		Ice	Ice	Ice	Ice		76	181.1	66.9%
2/18/2015	Ice	Ice	Ice	Ice		Ice	Ice	Ice	Ice		76	180.7	66.7%
2/19/2015	Ice	Ice	Ice	Ice		Ice	Ice	Ice	Ice		77	180.2	66.5%
2/20/2015	Ice	Ice	Ice	Ice		Ice	Ice	Ice	Ice		76	179.5	66.3%
2/21/2015	Ice	Ice	Ice	Ice		Ice	Ice	Ice	Ice		77	178.8	66.0%
2/22/2015	Ice	Ice	Ice	Ice		Ice	Ice	Ice	Ice		77	178.7	66.0%
2/23/2015	Ice	Ice	Ice	Ice		Ice	Ice	Ice	Ice		77	178.8	66.0%
2/24/2015	Ice	Ice	Ice	Ice		Ice	Ice	Ice	Ice		78	178.1	65.8%
2/25/2015	Ice	Ice	Ice	Ice		Ice	Ice	Ice	Ice		78	177.3	65.5%
2/26/2015	Ice	Ice	Ice	Ice		Ice	Ice	Ice	Ice		78	176.7	65.2%
2/27/2015	Ice	Ice	Ice	Ice		Ice	Ice	Ice	Ice		79	175.9	64.9%
2/28/2015	Ice	Ice	Ice	Ice		Ice	Ice	Ice	Ice		79	175.1	64.7%
Observed Average			528	918				1,041	1,830				
Mean Monthly		5,058	1,035	2,734			11,740	2,255	3,859		71		
% of Normal			51.1%	33.6%				46.2%	47.4%				

TODAY'S RESERVOIR OBSERVATIONS: 2/28/2015

*Lower Delaware Basin:			New York City 24-hr, as of 8 am:						NYC Daily Storage (BG)=	175.1	64.7%
	Vol. (BG)	Capacity		Precip	Usable	Storage	Draft	Directed Rel	NYC Daily Storage Median (BG)=	228.0	84.2%
Blue Marsh	4.43	100.2%		(inches)	(BG)	(%)	(MG)	(MG)	BG Below Daily Storage Median =	52.9	-23.20%
Beltzville	13.50	100.1%	Neversink	0.00	24.0	68.6%	196	0	BG Above Drought Watch =	18.0	
Directed Releases from Basin Reservoirs (cfs):			Pepacton	0.00	95.0	67.8%	216	0	BG Above Drought Warning =	38.0	
Blue Marsh 0	Merrill Creek	0	Cannonsville	0.02	56.1	58.7%	11	0	BG Above Drought =	58.0	
Beltzville 0	Wallenpaupack	0	Rondout	0.00	46.6	93.9%	692	0	BG Below One Year Ago =	55.2	

*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 calcuation 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.