Delaware River Flow and Storage Data -November 2014 Summary

DAY	Delaware at Montague Flow (cfs) 8:00 AM	Mean	Lehigh River Flow (cfs) Lehighton	Bethlehem	Min DO (mg/l) Glendon	Delaware at Trenton Flow (cfs) 8:00 AM	Mean	Schuylkill River Flow (cfs) Pottstown	Philadelphia	Max Temp (C) Vincent Dam	Salt Front RM	New York City Delaware River Basin Storage (BG)	Capacity
11/1/2014	1,690	1,660	364	744		3,350	3,390	612	1,150		78	167.6	61.9%
11/2/2014	1,610	1,610	337	647		3,450	3,380	538	1,060		78	166.8	61.6%
11/3/2014	1,690	1,800	333	618		3,100	3,070	507	830		78	166.0	61.3%
11/4/2014	1,740	1,770	335	717		2,950	2,930	454	716		78	165.2	61.0%
11/5/2014	1,910	1,770	330	759		3,010	3,150	454	625		78	164.3	60.6%
11/6/2014	1,740	1,730	338	774		3,290	3,250	525	780		78	163.6	60.4%
11/7/2014	1,410	1,390	342	742		3,380	3,290	663	948		78	162.7	60.1%
11/8/2014	1,360	1,550	337	678		3,190	3,140	572	990		78	161.9	59.8%
11/9/2014	1,810	1,840	328	709		2,830	2,770	493	830		78	160.9	59.4%
11/10/2014	1,930	1,930	321	714		2,600	2,780	466	680		79	160.0	59.1%
11/11/2014	1,940	1,940	332	636		3,100	3,130	477	675		80	158.8	58.7%
11/12/2014	2,200	2,200	345	620		3,160	3,160	481	696		80	158.1	58.4%
11/13/2014	2,070	2,260	332	632		3,130	3,150	473	679		81	157.2	58.0%
11/14/2014	2,070	2,150	297	622		3,380	3,470	485	720		81	156.4	57.8%
11/15/2014	1,960	1,930	274	570		3,420	3,510	460	744		81	155.8	57.5%
11/16/2014	1,690	1,680	274	543		3,320	3,300	435	684		82	155.1	57.3%
11/17/2014	1,660	1,690	292	672		3,190	3,510	568	1,330		82	154.5	57.1%
11/18/2014	1,840	1,950	335	746		4,270	4,110	748	2,300		81	154.3	57.0%
11/19/2014	2,620	2,710	352	683		3,580	3,580	681	1,430		81	154.0	56.8%
11/20/2014	2,560	2,500	281	644		3,450	3,560	502	1,110		80	153.4	56.7%
11/21/2014	2,290	2,200	285	543		4,270	4,130	462	831		79	153.2	56.6%
11/22/2014	1,670	1,730	282	561		3,850	3,750	439	772		79	152.6	56.3%
11/23/2014	1,820	1,800	288	590		3,510	3,420	429	707		78	151.9	56.1%
11/24/2014	2,100	2,110	393	818		3,220	3,370	545	1,310		78	151.7	56.0%
11/25/2014	2,210	2,380	585	1,120		4,130	4,270	846	1,530		78	152.3	56.2%
11/26/2014	3,340	3,190	687	1,160		4,950	5,100	936	1,970		78	152.6	56.3%
11/27/2014	2,820	2,780	672	1,330		6,020	6,340	1,150	3,220		79	153.4	56.6%
11/28/2014	2,540	2,510	643	1,220		6,820	6,590	973	2,650		79	154.3	57.0%
11/29/2014	2,330	2,280	528	1,080		5,850	5,730	901	1,930		78	154.6	57.1%
11/30/2014	2,100	2,080	495	943		5,190	5,090	808	1,640		78	154.5	57.1%
Observed Average		2,037	378	761			3,781	603	1,185				
Mean monthly		4,555	1,293	2,375			10,038	1,707	2,363		70		
% of Normal		44.7%	29.2%	32.0%			37.7%	35.3%	50.1%				

TODAY'S RESERVOIR OBSERVATIONS: 11/30/2014

*Lower Delaware Basin:			New York City 24-hr, as of 8 am:					NYC Daily Storage (BG)=	154.5	57.1%
	Vol. (BG)	Capacity		Precip	Usable	Storage	Draft	Directed Rel	NYC Daily Storage Median (BG)=	197.8	73.0%
Blue Marsh	4.56	103.1%		(inches)	(BG)	(%)	(MG)	(MG)	BG Below Daily Storage Median =	43.2	-21.85%
Beltzville	10.67	79.1%	Neversink	0.00	23.4	67.0%	0	0	BG Above Drought Watch =	44.5	
Directed Releases from Basin Reservoirs (cfs):			Pepacton	0.00	87.0	62.1%	397	0	BG Above Drought Warning =	64.5	
Blue Marsh	0	Merrill Creek	0	Cannonsville	0.00	44.2	46.1%	275	0	BG Above Drought =	84.5
Beltzville	0	Wallenpaupack	0	Rondout	0.00	44.8	90.3%	688	0	BG Below One Year Ago =	44.6

*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.