Delaware River Flow and Storage Data - February 2017

	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
2/1/2017	4,240	4,720	915	1,730		10,400	10,300	1,480	1,840		73	179.2	66.2%
2/2/2017	3,970	4,480	935	1,650		9,330	9,130	1,360	1,730		73	180.3	66.6%
2/3/2017	4,870	4,510	906	1,580		8,900	8,540	1,280	1,610		73	181.0	66.8%
2/4/2017	4,660	3,920	763	1,410		8,480	8,230	1,140	1,480		73	181.7	67.1%
2/5/2017	3,930	3,590	737	1,330		7,430	7,390	1,080	1,350		73	182.4	67.4%
2/6/2017	3,400	3,450	729	1,340		6,640	6,800	1,070	1,310		73	182.9	67.5%
2/7/2017	4,240	3,660	808	1,440		6,640	6,650	1,130	1,340		73	183.4	67.7%
2/8/2017	3,270	3,380	857	1,520		7,150	7,160	1,240	1,490		73	184.2	68.0%
2/9/2017	4,170	4,150	975	1,600		7,580	7,370	1,310	1,800		73	186.1	68.7%
2/10/2017	4,540	4,410	1,050	1,590		7,480	7,670	1,240	1,830		73	187.2	69.1%
2/11/2017	4,660	4,290	837	1,500		7,780	7,890	1,020	1,540		73	188.1	69.5%
2/12/2017	4,410	3,910	891	1,490		8,280	8,130	1,050	1,480		73	189.3	69.9%
2/13/2017	3,250	3,400	982	1,740		8,330	8,420	1,240	1,890		73	190.6	70.4%
2/14/2017	3,930	3,980	1,060	1,710		8,330	8,070	1,450	1,930		73	191.4	70.7%
2/15/2017	4,240	4,190	1,040	1,700		7,970	7,940	1,240	1,890		73	192.1	70.9%
2/16/2017	4,090	4,050	1,000	1,700		8,640	8,390	1,170	1,660		74	192.9	71.2%
2/17/2017	3,720	3,560	847	1,530		8,480	8,240	1,140	1,550		74	193.5	71.4%
2/18/2017	3,630	3,410	737	1,400		7,630	7,500	1,090	1,470		74	194.1	71.7%
2/19/2017	3,790	3,620	790	1,370		6,820	6,970	1,060	1,390		74	194.9	72.0%
2/20/2017	4,820	4,960	1,070	1,590		6,910	7,190	1,050	1,370		74	196.3	72.5%
2/21/2017	6,190	5,970	1,010	1,650		8,230	8,550	1,040	1,330		74	197.6	73.0%
2/22/2017	5,880	5,660	747	1,440		10,200	10,100	1,080	1,300		74	198.8	73.4%
2/23/2017	6,100	6,130	727	1,320		9,930	9,720	1,140	1,340		74	200.0	73.8%
2/24/2017	8,170	8,980	734	1,310		9,770	9,740	1,010	1,350		74	201.9	74.6%
2/25/2017	11,900	12,900	995	1,520		11,300	12,300	966	1,340		74	206.1	76.1%
2/26/2017	29,500	30,200	1,840	2,710		17,200	18,600	1,330	2,070		74	214.9	79.4%
2/27/2017	23,600	22,500	1,350	2,260		40,300	36,700	1,480	2,020		74	220.9	81.6%
2/28/2017	13,600	14,000	1,020	1,830		27,600	26,300	1,300	1,730		74	224.8	83.0%
Observed Average		6,642	941	1,606			10,357	1,185	1,587		71		
Mean Monthly		5,058	1,035	2,734			11,740	2,255	3,859				
% of Normal		131.3%	91.0%	58.7%			88.2%	52.6%	41.1%				

TODAY'S RESERVOIR OBSERVATIONS: 2/28/2017

*Lower Delaware Basin:	Vol. (BG)	Capacity
Blue Marsh	4.55	102.7%
Beltzville	13.04	96.7%

Directed Releases from Basin Reservoirs (cfs):			
Blue Marsh	0	Merrill Creek	0
Beltzville	0	Wallenpaupack	0

New York City 24-hr, as of 8 am:	Precip	Usable	Storage	Draft	Directed Rel
	(inches)	(BG)	(%)	(MG)	(MG)
Neversink	0.00	30.5	87.4%	416	0
Pepacton	0.00	115.9	82.7%	152	0
Cannonsville	0.00	78.4	81.9%	0	0
Rondout	0.00	47.0	94.6%	779	0

NYC Daily Storage (BG)=	224.8	83.0%
NYC Daily Storage Median (BG)=	228.0	84.2%
BG Below Daily Storage Median =	3.2	-1.41%
BG Above Drought Watch =	67.6	
BG Above Drought Warning =	83.6	
BG Above Drought =	107.6	
BG Below One Year Ago =	30.1	

*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
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 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.